

ezShrink // EZ
熱膨脹燒結刀柄



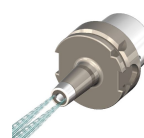
ezShrink+ezKool // EZKK
鼻端噴水熱膨脹燒結刀柄



ezShrink+SlimRegular // EZSR
細型熱膨脹燒結刀柄



ezShrink+SlimRegular+ezKool // EZSRKK
細型鼻端噴水熱膨脹燒結刀柄



ezShrink+SlimSuper // EZSS
超細型熱膨脹燒結刀柄



ezShrink+SlimSuperUltra // EZSSU
極細型熱膨脹燒結刀柄



S-EZ
熱膨脹燒結刀柄延長桿



ER-EZ
熱膨脹燒結ER筒夾



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為什麼我們要投資更精度更高的刀柄? =>為了降低生產成本
精度更高的刀柄如何降低生產成本? =>可以提升刀具的壽命
提升的程度有多少?

假設刀尖的偏擺是0, 刀具壽命是100

0.003mm 刀尖偏擺的刀具, 壽命是80.4

0.005mm 刀尖偏擺的刀具, 壽命是69.6

0.010mm 刀尖偏擺的刀具, 壽命是48.4

0.020mm 刀尖偏擺的刀具, 壽命是23.4

0.003mm 刀尖偏擺的刀具比0.020mm 刀尖偏擺的刀具, 刀具壽命差將近4倍

想想看這樣的差別可以降低多少刀具的成本!!!

Why we invest on precision toolholders? =>To reduce the production cost

How precision toolholders reduce the production cost? =>It will extend the tool life evidently

How much is the difference?

Let's set 0mm runout at tool nose with tool life 100.0

0.003mm runout at tool nose, tool life is 80.4

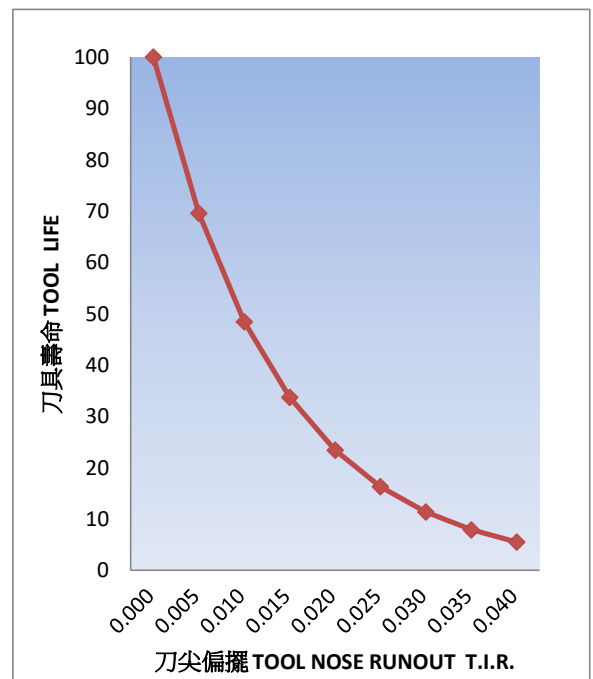
0.005mm runout at tool nose, tool life is 69.6

0.010mm runout at tool nose, tool life is 48.4

0.020mm runout at tool nose, tool life is 23.4

Tool life for 0.003mm runout is 4 TIMES longer than 0.020mm runout

See how much you can reduce the cost in cutting tools!!!



Introduction of ezshrink shrink fit chucks:

Shrink fit chuck is produced by heat resisit steel
 The diameter of bore is smaller than the shank of tool
 Heat up the shrink fit chuck to expand the bore
 Then, insert the shank of tool
 It will clamp the tool by interference joint after cooling down
 It does not need force to clamp the tool
 It is the most accurate way to clamp the tool

ezShrink 熱膨脹燒結刀柄簡介：

熱膨脹燒結刀柄是一種以耐熱鋼生產的刀柄
 刀柄孔徑比刀具柄徑小
 加熱刀柄膨脹內孔後插入刀具柄部
 刀柄冷卻後自動夾緊刀具柄部
 達到一種干涉夾持
 這是一種不需要靠外力的夾持方式
 也是最精準的刀具夾持方式

Technical information of ezshrink shrink fit chucks:

Material: SKD61/1.2344/4CrMo5SiV1/H13
 Tensile strength: 1,200+ N/mm² (Mpa)
 Hardness: HRC50~52
 Tool requirment: Shank tolerance with h6
 Times of tool change: Over 1,000 times
 Run out of T.I.R: 0.002mm at nose, 0.003mm at 3*d

ezShrink 熱膨脹燒結刀柄技術資料：

材質: SKD61/1.2344/4Cr5MoSiV1/H13
 抗拉強度: 1,200+ N/mm² (Mpa)
 熱處理硬度: HRC50~52
 刀具柄徑要求: h6
 刀柄加熱交換次數: 1,000次以上
 刀柄內孔偏擺精度: 0.002mm在鼻端, 0.003mm在3*d

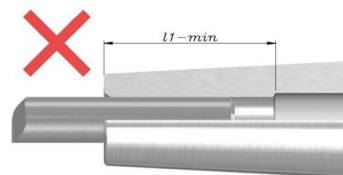
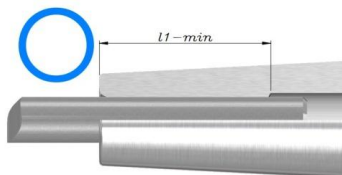
孔徑 Ød mm Bore Ød mm	扭力 N-m Torque N-m	最小夾持長 min. length	刀具柄徑 h6 Tool shank h6	孔徑 Ød mm Bore Ød mm	扭力 N-m Torque N-m	最小夾持長 min. length	刀具柄徑 h6 Tool shank h6
3	8 N-m	11 mm	3.000 +0.000/-0.008	(1/8") 3.175	8 N-m	11 mm	3.175 +0.000/-0.008
4	10 N-m	14 mm	4.000 +0.000/-0.008	(3/16") 4.7625	12 N-m	17 mm	4.7625 +0.000/-0.008
5	12 N-m	17 mm	5.000 +0.000/-0.008	(1/4") 6.35	20 N-m	23 mm	6.35 +0.000/-0.009
6	20 N-m	23 mm	6.000 +0.000/-0.009	(5/16") 7.9375	50 N-m	27 mm	7.9375 +0.000/-0.009
8	50 N-m	27 mm	8.000 +0.000/-0.009	(3/8") 9.525	70 N-m	32 mm	9.525 +0.000/-0.009
10	70 N-m	32 mm	10.000 +0.000/-0.011	(7/16") 11.1125	110 N-m	37 mm	11.1125 +0.000/-0.011
12	150 N-m	37 mm	12.000 +0.000/-0.011	(1/2") 12.7	150 N-m	37 mm	12.7 +0.000/-0.011
14	180 N-m	37 mm	14.000 +0.000/-0.011	(9/16") 14.2875	180 N-m	37 mm	14.2875 +0.000/-0.011
16	300 N-m	40 mm	16.000 +0.000/-0.011	(5/8") 15.875	300 N-m	40 mm	15.875 +0.000/-0.011
18	370 N-m	40 mm	18.000 +0.000/-0.013	(3/4") 19.05	410 N-m	42 mm	19.05 +0.000/-0.013
20	450 N-m	42 mm	20.000 +0.000/-0.013	(7/8") 22.225	560 N-m	48 mm	22.225 +0.000/-0.013
25	680 N-m	48 mm	25.000 +0.000/-0.013	(1") 25.4	680 N-m	48 mm	25.4 +0.000/-0.013
32	750 N-m	52 mm	32.000 +0.000/-0.016	(1 1/4") 31.75	750 N-m	52 mm	31.75 +0.000/-0.016

Caution of ezShrink shrink fit chucks:

Wear heat resist gloves during the operation of heating tool change
 Clean the bore every time tool change for 3, 4 & 5 mm
 Clean the bore once for every 10 times tool change tool for 6mm and above
 Wrong clamping length will damage the shrink fit chucks "FOREVER"

ezShrink 熱膨脹燒結刀柄注意事項：

屬於高溫作業，操作時需要全程穿戴耐熱手套。
 小孔徑3, 4 & 5在刀具交換時，每次都需要清潔刀柄內孔。
 6孔徑以上在刀具交換10次時，需要清潔刀柄內孔1次。
 錯誤的刀具夾持長度將會永久損壞熱膨脹燒結刀柄內孔。



ezShrink 熱膨脹燒結刀柄種類:

Type of ezshrink shrink fit chuck:

ezShrink 熱膨脹燒結刀柄種類:

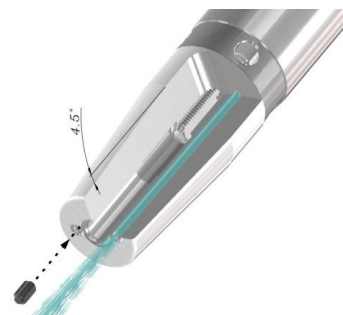
Type of ezshrink shrink fit chuck:

ezShrink EZ

ezShrink EZKK



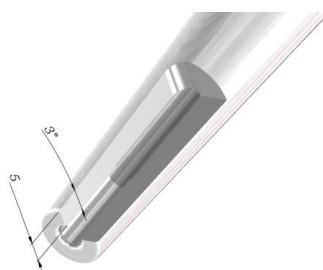
EZ=4.5度斜角標準型
EZ=4.5° regular



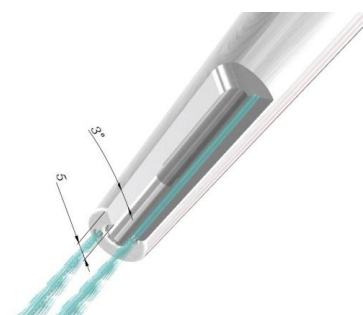
EZKK=4.5度斜角鼻端出水標準型
EZKK=4.5° regular with coolant through nose

ezShrink EZSR

ezShrink EZSRKK



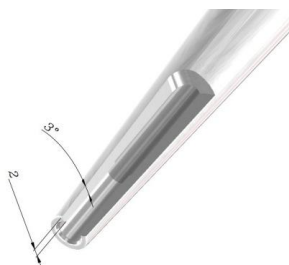
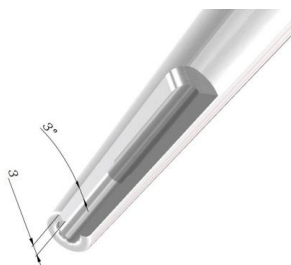
EZSR=3度斜角細型
EZSR=3° SlimRegular



EZSRKK=3度斜角鼻端出水細型
EZSRKK=3° SlimRegular with coolant through nose

ezShrink EZSS & EZSSU

ezShrink EZSUB



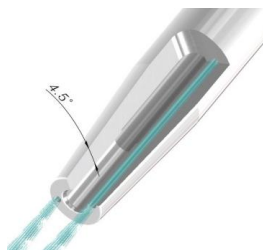
EZSS=3度斜角超細型(3mm), EZSSU=3度斜角極細型(2mm)
EZSS=3° SlimSuper(3mm), EZSSU=3° SlimSuperUltra(2mm)



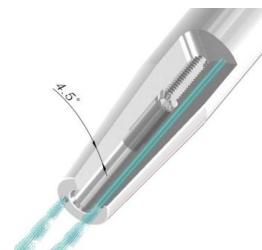
EZSUB=3度斜角極細型附螺絲
EZSUB=3° SlimUltra with back up screw

ezShrink EZS & EZSKK

ezShrink EZSB & EZSBKK



EZS=4.5度斜角細型
EZS=4.5° Slim
EZSKK=4.5度斜角鼻端出水細型
EZSKK=4.5° Slim with coolant through nose



EZSB=4.5度斜角細型+止動螺絲
EZSB=4.5° Slim with back up screw
EZSBKK=4.5度斜角鼻端出水細型附螺絲
EZSBKK=4.5° Slim with coolant through nose and with back up screw

ezShrink EZ // β-BT

ezShrink EZ // β-BT

β-BT is the norm of 7/24 BT taper and face contact
β-BT**A is standard type
β-BT**AD is standard type with coolant through center
β-BT**B is standard type with coolant through flange
β-BT**AD/B is standard type with both type coolant through

β-BT toolholder has two IC chip holes is a standard from YAMAKEN

β-BT是BT 7/24圓錐與端面接觸版本
β-BT**A是標準型刀柄

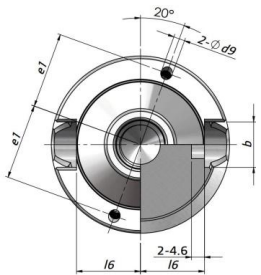
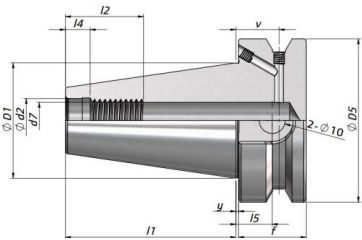
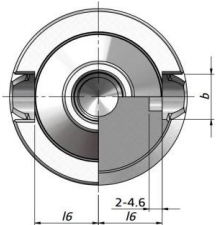
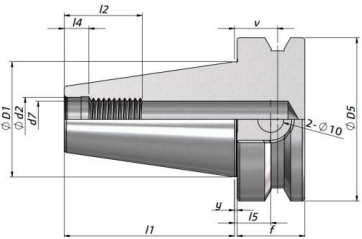
β-BT**AD是標準型刀柄內帶中心貫穿冷卻孔
β-BT**B是標準型刀柄法蘭端面帶冷卻孔
β-BT**AD/B是標準型刀柄將兩種內冷卻方式整合

β-BT刀柄上有兩個IC晶片孔是山謙的生產標準品

CLAMPING FORCE	β-BT30	β-BT40	β-BT50
	6KN	12KN	25KN

TAPER	β-BT30AD	β-BT40AD	β-BT50AD
ØD1	31.75	44.45	69.85
Ød2 H8	12.5	17	25
d7 6H	M12*P1.75	M16*P2.0	M24*P3.0
ØD5 h8	46	63	100
v +/-0.1	13.6	16.6	23.2
y +0/-0.005	1	1	1.5
f	21	26	36.5
l1 +/-0.2	48.4	65.4	101.8
l2	24	30	45
l4+0.5/0.0	7	9	13
l6	16.3 -0.3/+0.0	22.6 -0.3/+0.0	35.4 -0.4/+0.0
b +0.2/0.0	16.1	16.1	25.7

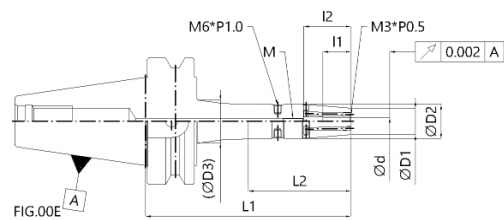
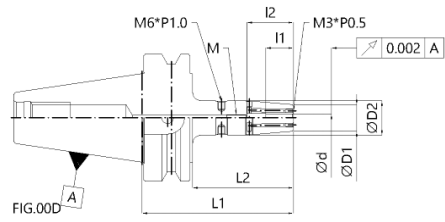
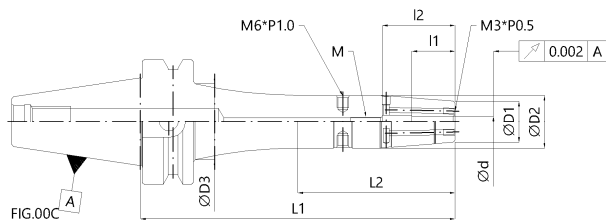
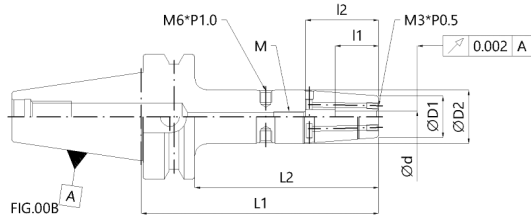
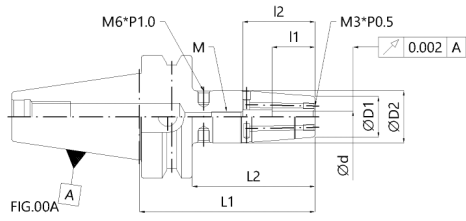
TAPER	β-BT30AD/B	β-BT40AD/B	β-BT50AD/B
e1	20	27	42
Ød9	2	4	6



圓錐角度公差 // TAPER ANGLE TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
AT1 (mm)	+0.0008/+0.0013	+0.0010/+0.0016	+0.0013/+0.0020
AT2 (mm)	+0.0013/+0.0020	+0.0016/+0.0025	+0.0020/+0.0032
AT3 (mm)	+0.0020/+0.0032	+0.0025/+0.0040	+0.0032/+0.0050
圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
	0.001	0.001	0.002
圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
	0.001	0.001	0.002

AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準



ezShrink EZKK // RF β-BT-EZKK

ezShrink+ezKool RF防鏽鍍層鼻端噴水熱膨脹燒結刀柄
ezShrink RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	▲	RF β-BT30AD-EZ06-080KK	00A	80	58	21	27	-	6	23	37	M5*P0.8	0.70	A	
O	▲	RF β-BT30AD-EZ06-120KK	00B	120	98	21	27	-	6	23	37	M5*P0.8	1.10	A	
O	▲	RF β-BT30AD-EZ08-080KK	00A	80	58	21	27	-	8	27	37	M6*P1.0	0.70	A	
O	▲	RF β-BT30AD-EZ08-120KK	00B	120	98	21	27	-	8	27	37	M6*P1.0	1.10	A	
O	▲	RF β-BT30AD-EZ10-080KK	00A	80	58	24	32	-	10	32	42	M8*P1.0	0.80	A	
O	▲	RF β-BT30AD-EZ10-120KK	00B	120	98	24	32	-	10	32	42	M8*P1.0	1.20	A	
O	▲	RF β-BT30AD-EZ12-080KK	00A	80	58	24	32	-	12	37	48	M10*P1.0	0.80	A	
O	▲	RF β-BT30AD-EZ12-120KK	00B	120	98	24	32	-	12	37	48	M10*P1.0	1.20	A	
O	▲	RF β-BT30AD-EZ14-080KK	00A	80	58	27	34	-	14	37	48	M10*P1.0	0.90	A	
O	▲	RF β-BT30AD-EZ14-120KK	00B	120	98	27	34	-	14	37	48	M10*P1.0	1.30	A	
O	▲	RF β-BT30AD-EZ16-080KK	00A	80	58	27	34	-	16	40	51	M12*P1.0	0.90	A	
O	▲	RF β-BT30AD-EZ16-120KK	00B	120	98	27	34	-	16	40	51	M12*P1.0	1.30	A	
O	▲	RF β-BT30AD-EZ18-080KK	00A	80	58	33	41	-	18	40	51	M12*P1.0	1.00	A	
O	▲	RF β-BT30AD-EZ18-120KK	00B	120	98	33	41	-	18	40	51	M12*P1.0	1.40	A	
O	▲	RF β-BT30AD-EZ20-080KK	00A	80	58	33	41	-	20	42	53	M16*P1.0	1.00	A	
O	▲	RF β-BT30AD-EZ20-120KK	00B	120	98	33	41	-	20	42	53	M16*P1.0	1.40	A	

產品FIG.00A & 00B出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.00A & 00B EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request
STOCK ▲=售完停產 // STOCK ▲=No more production after sold out
HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	◎	RF β-BT40AD-EZ06-090KK	00A	90	63	21	27	-	6	23	37	M5*P0.8	1.20	A	
O	◎	RF β-BT40AD-EZ06-120KK	00B	120	93	21	27	-	6	23	37	M5*P0.8	1.50	A	
O		RF β-BT40AD-EZ06-160KK	00C	160	80	21	27	40	6	23	37	M5*P0.8	1.90	A	
O		RF β-BT40AD-EZ06-200KK	00C	200	120	21	27	40	6	23	37	M5*P0.8	2.30	A	
O	◎	RF β-BT40AD-EZ08-090KK	00A	90	63	21	27	-	8	27	37	M6*P1.0	1.20	A	
O	◎	RF β-BT40AD-EZ08-120KK	00B	120	93	21	27	-	8	27	37	M6*P1.0	1.50	A	
O		RF β-BT40AD-EZ08-160KK	00C	160	80	21	27	40	8	27	37	M6*P1.0	1.90	A	
O		RF β-BT40AD-EZ08-200KK	00C	200	120	21	27	40	8	27	37	M6*P1.0	2.30	A	
O	◎	RF β-BT40AD-EZ10-090KK	00A	90	63	24	32	-	10	32	42	M8*P1.0	1.30	A	
O	◎	RF β-BT40AD-EZ10-120KK	00B	120	93	24	32	-	10	32	42	M8*P1.0	1.60	A	
O		RF β-BT40AD-EZ10-160KK	00C	160	80	24	32	42	10	32	42	M8*P1.0	2.00	A	
O		RF β-BT40AD-EZ10-200KK	00C	200	120	24	32	42	10	32	42	M8*P1.0	2.40	A	
O	◎	RF β-BT40AD-EZ12-090KK	00A	90	63	24	32	-	12	37	48	M10*P1.0	1.30	A	
O	◎	RF β-BT40AD-EZ12-120KK	00B	120	93	24	32	-	12	37	48	M10*P1.0	1.60	A	
O		RF β-BT40AD-EZ12-160KK	00C	160	80	24	32	42	12	37	48	M10*P1.0	2.00	A	
O		RF β-BT40AD-EZ12-200KK	00C	200	120	24	32	42	12	37	48	M10*P1.0	2.40	A	
O	◎	RF β-BT40AD-EZ14-090KK	00A	90	63	27	34	-	14	37	48	M10*P1.0	1.40	A	
O	◎	RF β-BT40AD-EZ14-120KK	00B	120	93	27	34	-	14	37	48	M10*P1.0	1.70	A	
O		RF β-BT40AD-EZ14-160KK	00C	160	80	27	34	42	14	37	48	M10*P1.0	2.10	A	
O		RF β-BT40AD-EZ14-200KK	00C	200	120	27	34	42	14	37	48	M10*P1.0	2.50	A	
O	◎	RF β-BT40AD-EZ16-090KK	00A	90	63	27	34	-	16	40	51	M12*P1.0	1.40	A	
O	◎	RF β-BT40AD-EZ16-120KK	00B	120	93	27	34	-	16	40	51	M12*P1.0	1.70	A	
O		RF β-BT40AD-EZ16-160KK	00C	160	80	27	34	42	16	40	51	M12*P1.0	2.10	A	
O		RF β-BT40AD-EZ16-200KK	00C	200	120	27	34	42	16	40	51	M12*P1.0	2.50	A	
O	◎	RF β-BT40AD-EZ18-090KK	00A	90	63	33	41	-	18	40	51	M12*P1.0	1.50	A	
O	◎	RF β-BT40AD-EZ18-120KK	00B	120	93	33	41	-	18	40	51	M12*P1.0	1.80	A	
O		RF β-BT40AD-EZ18-160KK	00C	160	80	33	41	50	18	40	51	M12*P1.0	2.20	A	
O		RF β-BT40AD-EZ18-200KK	00C	200	120	33	41	50	18	40	51	M12*P1.0	2.60	A	
O	◎	RF β-BT40AD-EZ20-090KK	00A	90	63	33	41	-	20	42	53	M16*P1.0	1.50	A	
O	◎	RF β-BT40AD-EZ20-120KK	00B	120	93	33	41	-	20	42	53	M16*P1.0	1.80	A	
O		RF β-BT40AD-EZ20-160KK	00C	160	80	33	41	50	20	42	53	M16*P1.0	2.20	A	
O		RF β-BT40AD-EZ20-200KK	00C	200	120	33	41	50	20	42	53	M16*P1.0	2.60	A	
O	◎	RF β-BT40AD-EZ25-100KK	00A	100	63	44	53	-	25	48	59	M16*P1.0	2.00	A	
O	◎	RF β-BT40AD-EZ25-120KK	00B	120	93	44	53	-	25	48	59	M16*P1.0	2.20	A	
O		RF β-BT40AD-EZ25-160KK	00B	160	133	44	53	-	25	48	59	M16*P1.0	2.60	A	
O		RF β-BT40AD-EZ25-200KK	00B	200	173	44	53	-	25	48	59	M16*P1.0	3.00	A	
O	◎	RF β-BT40AD-EZ32-100KK	00A	100	63	44	53	-	32	52	63	M16*P1.0	2.00	A	
O	◎	RF β-BT40AD-EZ32-120KK	00B	120	93	44	53	-	32	52	63	M16*P1.0	2.20	A	
O		RF β-BT40AD-EZ32-160KK	00B	160	133	44	53	-	32	52	63	M16*P1.0	2.60	A	
O		RF β-BT40AD-EZ32-200KK	00B	200	173	44	53	-	32	52	63	M16*P1.0	3.00	A	

產品FIG.00A, 00B & 00C出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.00A, 00B & 00C EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.00A, 00B & 00C出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.00A, 00B & 00C EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK O=少量在庫品 // STOCK O=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

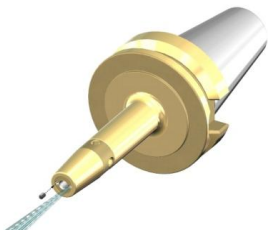
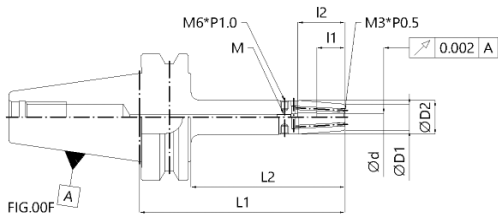
ezShrink EZKK // RF β-BT-EZKK

ezShrink+ezKool RF防鏽鍍層鼻端噴水熱膨脹燒結刀柄
ezShrink RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	○	RF β-BT50AD-EZX06-120KK	00D	120	80	21	27	-	6	23	37	M5*P0.8	4.00	C	
O	○	RF β-BT50AD-EZX06-160KK	00E	160	80	21	27	34	6	23	37	M5*P0.8	4.40	C	
O		RF β-BT50AD-EZX06-200KK	00E	200	120	21	27	34	6	23	37	M5*P0.8	4.80	C	
O	○	RF β-BT50AD-EZX08-120KK	00D	120	80	21	27	-	8	27	37	M6*P1.0	4.00	C	
O	○	RF β-BT50AD-EZX08-160KK	00E	160	80	21	27	34	8	27	37	M6*P1.0	4.40	C	
O		RF β-BT50AD-EZX08-200KK	00E	200	120	21	27	34	8	27	37	M6*P1.0	4.80	C	
O	○	RF β-BT50AD-EZX10-120KK	00D	120	80	24	32	-	10	32	42	M8*P1.0	4.10	C	
O	○	RF β-BT50AD-EZX10-160KK	00E	160	80	24	32	38	10	32	42	M8*P1.0	4.50	C	
O		RF β-BT50AD-EZX10-200KK	00E	200	120	24	32	38	10	32	42	M8*P1.0	4.90	C	
O	○	RF β-BT50AD-EZX12-120KK	00D	120	80	24	32	-	12	37	48	M10*P1.0	4.10	C	
O	○	RF β-BT50AD-EZX12-160KK	00E	160	80	24	32	38	12	37	48	M10*P1.0	4.50	C	
O		RF β-BT50AD-EZX12-200KK	00E	200	120	24	32	38	12	37	48	M10*P1.0	4.90	C	
O	○	RF β-BT50AD-EZX14-120KK	00D	120	80	27	34	-	14	37	48	M10*P1.0	4.20	C	
O	○	RF β-BT50AD-EZX14-160KK	00E	160	80	27	34	40	14	37	48	M10*P1.0	4.60	C	
O		RF β-BT50AD-EZX14-200KK	00E	200	120	27	34	40	14	37	48	M10*P1.0	5.00	C	
O	○	RF β-BT50AD-EZX16-120KK	00D	120	80	27	34	-	16	40	51	M12*P1.0	4.20	C	
O	○	RF β-BT50AD-EZX16-160KK	00E	160	80	27	34	40	16	40	51	M12*P1.0	4.60	C	
O		RF β-BT50AD-EZX16-200KK	00E	200	120	27	34	40	16	40	51	M12*P1.0	5.00	C	
O	○	RF β-BT50AD-EZX18-120KK	00D	120	80	33	41	-	18	40	51	M12*P1.0	4.30	C	
O	○	RF β-BT50AD-EZX18-160KK	00E	160	80	33	41	46	18	40	51	M12*P1.0	4.70	C	
O		RF β-BT50AD-EZX18-200KK	00E	200	120	33	41	46	18	40	51	M12*P1.0	5.10	C	
O	○	RF β-BT50AD-EZX20-120KK	00D	120	80	33	41	-	20	42	53	M16*P1.0	4.30	C	
O	○	RF β-BT50AD-EZX20-160KK	00E	160	80	33	41	46	20	42	53	M16*P1.0	4.70	C	
O		RF β-BT50AD-EZX20-200KK	00E	200	120	33	41	46	20	42	53	M16*P1.0	5.10	C	
O		RF β-BT50AD-EZ25-120KK	00B	120	82	44	53	-	25	48	59	M16*P1.0	4.70	C	
O		RF β-BT50AD-EZ25-160KK	00C	160	80	44	53	58	25	48	59	M16*P1.0	5.10	C	
O		RF β-BT50AD-EZ25-200KK	00C	200	120	44	53	58	25	48	59	M16*P1.0	5.50	C	
O		RF β-BT50AD-EZ32-120KK	00B	120	82	44	53	-	32	52	63	M16*P1.0	4.70	C	
O		RF β-BT50AD-EZ32-160KK	00C	160	80	44	53	58	32	52	63	M16*P1.0	5.10	C	
O		RF β-BT50AD-EZ32-200KK	00C	200	120	44	53	58	32	52	63	M16*P1.0	5.50	C	

產品FIG.00B, 00C, 00D & 00E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.00B, 00C, 00D & 00E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC
產品FIG.00B, 00C, 00D & 00E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.00B, 00C, 00D & 00E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request
HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only
每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck



動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	▲	TiNGold β-BT50AD-EZZ06-160KK	00F	160	120	21	27	-	6	23	37	M5*P0.8	4.40	C	
O	▲	TiNGold β-BT50AD-EZZ08-160KK	00F	160	120	21	27	-	8	27	37	M6*P1.0	4.40	C	
O	▲	TiNGold β-BT50AD-EZZ10-160KK	00F	160	120	24	32	-	10	32	42	M8*P1.0	4.40	C	

產品FIG.00F出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.00F EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC
產品FIG.00F出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.00F EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request
STOCK ▲=售完停產 // STOCK ▲=No more production after sold out
HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only
每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	▲	RF β-BT30AD-EZ1/4"-3.15"KK	00A	3.15"	2.28"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.70	A	
O	▲	RF β-BT30AD-EZ1/4"-4.72"KK	00B	4.72"	3.86"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.10	A	
O	▲	RF β-BT30AD-EZ5/16"-3.15"KK	00A	3.15"	2.28"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.70	A	
O	▲	RF β-BT30AD-EZ5/16"-4.72"KK	00B	4.72"	3.86"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.10	A	
O	▲	RF β-BT30AD-EZ3/8"-3.15"KK	00A	3.15"	2.28"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.80	A	
O	▲	RF β-BT30AD-EZ3/8"-4.72"KK	00B	4.72"	3.86"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.20	A	
O	▲	RF β-BT30AD-EZ7/16"-3.15"KK	00A	3.15"	2.28"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	0.80	A	
O	▲	RF β-BT30AD-EZ7/16"-4.72"KK	00B	4.72"	3.86"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	1.20	A	
O	▲	RF β-BT30AD-EZ1/2"-3.15"KK	00A	3.15"	2.28"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	0.90	A	
O	▲	RF β-BT30AD-EZ1/2"-4.72"KK	00B	4.72"	3.86"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.30	A	
O	▲	RF β-BT30AD-EZ5/8"-3.15"KK	00A	3.15"	2.28"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	0.90	A	
O	▲	RF β-BT30AD-EZ5/8"-4.72"KK	00B	4.72"	3.86"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.30	A	
O	▲	RF β-BT30AD-EZ3/4"-3.15"KK	00A	3.15"	2.28"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.00	A	
O	▲	RF β-BT30AD-EZ3/4"-4.72"KK	00B	4.72"	3.86"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.40	A	
O	▲	RF β-BT30AD-EZ7/8"-3.15"KK	00A	3.15"	2.28"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.00	A	
O	▲	RF β-BT30AD-EZ7/8"-4.72"KK	00B	4.72"	3.86"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.40	A	

產品FIG.00A & 00B出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.00A & 00B EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZKK // RF β-BT-EZKK inch

ezShrink+ezKool RF防鏽鍍層鼻端噴水熱膨脹燒結刀柄-英制

ezShrink RF rustproof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		RF β-BT40AD-EZ1/4"-3.54"KK	00A	3.54"	2.48"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.20	A	
O		RF β-BT40AD-EZ1/4"-4.72"KK	00B	4.72"	3.66"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.50	A	
O		RF β-BT40AD-EZ1/4"-6.30"KK	00C	6.30"	3.15"	0.83"	1.06"	1.58"	1/4"	0.91"	1.46"	M5*P0.8	1.90	A	
O		RF β-BT40AD-EZ1/4"-7.87"KK	00C	7.87"	4.72"	0.83"	1.06"	1.58"	1/4"	0.91"	1.46"	M5*P0.8	2.30	A	
O		RF β-BT40AD-EZ5/16"-3.54"KK	00A	3.54"	2.48"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.20	A	
O		RF β-BT40AD-EZ5/16"-4.72"KK	00B	4.72"	3.66"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.50	A	
O		RF β-BT40AD-EZ5/16"-6.30"KK	00C	6.30"	3.15"	0.83"	1.06"	1.58"	5/16"	1.06"	1.46"	M6*P1.0	1.90	A	
O		RF β-BT40AD-EZ5/16"-7.87"KK	00C	7.87"	4.72"	0.83"	1.06"	1.58"	5/16"	1.06"	1.46"	M6*P1.0	2.30	A	
O		RF β-BT40AD-EZ3/8"-3.54"KK	00A	3.54"	2.48"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.30	A	
O		RF β-BT40AD-EZ3/8"-4.72"KK	00B	4.72"	3.66"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.60	A	
O		RF β-BT40AD-EZ3/8"-6.30"KK	00C	6.30"	3.15"	0.94"	1.26"	1.66"	3/8"	1.26"	1.65"	M8*P1.0	2.00	A	
O		RF β-BT40AD-EZ3/8"-7.87"KK	00C	7.87"	4.72"	0.94"	1.26"	1.66"	3/8"	1.26"	1.65"	M8*P1.0	2.40	A	
O		RF β-BT40AD-EZ7/16"-3.54"KK	00A	3.54"	2.48"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	1.30	A	
O		RF β-BT40AD-EZ7/16"-4.72"KK	00B	4.72"	3.66"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	1.60	A	
O		RF β-BT40AD-EZ7/16"-6.30"KK	00C	6.30"	3.15"	0.94"	1.26"	1.66"	7/16"	1.26"	1.65"	M8*P1.0	2.00	A	
O		RF β-BT40AD-EZ7/16"-7.87"KK	00C	7.87"	4.72"	0.94"	1.26"	1.66"	7/16"	1.26"	1.65"	M8*P1.0	2.40	A	
O		RF β-BT40AD-EZ1/2"-3.54"KK	00A	3.54"	2.48"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.40	A	
O		RF β-BT40AD-EZ1/2"-4.72"KK	00B	4.72"	3.66"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.70	A	
O		RF β-BT40AD-EZ1/2"-6.30"KK	00C	6.30"	3.15"	0.94"	1.26"	1.66"	1/2"	1.46"	1.89"	M10*P1.0	2.10	A	
O		RF β-BT40AD-EZ1/2"-7.87"KK	00C	7.87"	4.72"	0.94"	1.26"	1.66"	1/2"	1.46"	1.89"	M10*P1.0	2.50	A	
O		RF β-BT40AD-EZ5/8"-3.54"KK	00A	3.54"	2.48"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.40	A	
O		RF β-BT40AD-EZ5/8"-4.72"KK	00B	4.72"	3.66"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.70	A	
O		RF β-BT40AD-EZ5/8"-6.30"KK	00C	6.30"	3.15"	1.06"	1.34"	1.66"	5/8"	1.57"	2.01"	M12*P1.0	2.10	A	
O		RF β-BT40AD-EZ5/8"-7.87"KK	00C	7.87"	4.72"	1.06"	1.34"	1.66"	5/8"	1.57"	2.01"	M12*P1.0	2.50	A	
O		RF β-BT40AD-EZ3/4"-3.54"KK	00A	3.54"	2.48"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.50	A	
O		RF β-BT40AD-EZ3/4"-4.72"KK	00B	4.72"	3.66"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.80	A	
O		RF β-BT40AD-EZ3/4"-6.30"KK	00C	6.30"	3.15"	1.30"	1.62"	1.97"	3/4"	1.65"	2.09"	M16*P1.0	2.20	A	
O		RF β-BT40AD-EZ3/4"-7.87"KK	00C	7.87"	4.72"	1.30"	1.62"	1.97"	3/4"	1.65"	2.09"	M16*P1.0	2.60	A	
O		RF β-BT40AD-EZ7/8"-3.54"KK	00A	3.54"	2.48"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.50	A	
O		RF β-BT40AD-EZ7/8"-4.72"KK	00B	4.72"	3.15"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.80	A	
O		RF β-BT40AD-EZ7/8"-6.30"KK	00C	6.30"	4.72"	1.30"	1.62"	1.97"	7/8"	1.65"	2.09"	M16*P1.0	2.20	A	
O		RF β-BT40AD-EZ7/8"-7.87"KK	00C	7.87"	6.81"	1.30"	1.62"	1.97"	7/8"	1.65"	2.09"	M16*P1.0	2.60	A	
O		RF β-BT40AD-EZ1"-3.94"KK	00A	3.94"	2.87"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.00	A	
O		RF β-BT40AD-EZ1"-4.72"KK	00B	4.72"	3.66"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.20	A	
O		RF β-BT40AD-EZ1"-6.30"KK	00B	6.30"	5.23"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.60	A	
O		RF β-BT40AD-EZ1"-7.87"KK	00B	7.87"	6.81"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	3.00	A	
O		RF β-BT40AD-EZ1 1/4"-3.94"KK	00A	3.94"	2.87"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.00	A	
O		RF β-BT40AD-EZ1 1/4"-4.72"KK	00B	4.72"	3.66"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.20	A	
O		RF β-BT40AD-EZ1 1/4"-6.30"KK	00B	6.30"	5.23"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.60	A	
O		RF β-BT40AD-EZ1 1/4"-7.87"KK	00B	7.87"	6.81"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	3.00	A	

產品FIG.00A, 00B & 00C出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.00A, 00B & 00C EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.00A, 00B & 00C出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.00A, 00B & 00C EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS 無標示=限用鈨鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		RF β -BT50AD-EZX1/4"-4.72"KK	00D	4.72"	3.15"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	4.00	C	
O		RF β -BT50AD-EZX1/4"-6.30"KK	00E	6.30"	3.15"	0.83"	1.06"	1.34"	1/4"	0.91"	1.46"	M5*P0.8	4.40	C	
O		RF β -BT50AD-EZX1/4"-7.87"KK	00E	7.87"	4.72"	0.83"	1.06"	1.34"	1/4"	0.91"	1.46"	M5*P0.8	4.80	C	
O		RF β -BT50AD-EZX5/16"-4.72"KK	00D	4.72"	3.15"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	4.00	C	
O		RF β -BT50AD-EZX5/16"-6.30"KK	00E	6.30"	3.15"	0.83"	1.06"	1.34"	5/16"	1.06"	1.46"	M6*P1.0	4.40	C	
O		RF β -BT50AD-EZX5/16"-7.87"KK	00E	7.87"	4.72"	0.83"	1.06"	1.34"	5/16"	1.06"	1.46"	M6*P1.0	4.80	C	
O		RF β -BT50AD-EZX3/8"-4.72"KK	00D	4.72"	3.15"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	4.10	C	
O		RF β -BT50AD-EZX3/8"-6.30"KK	00E	6.30"	3.15"	0.94"	1.26"	1.50"	3/8"	1.26"	1.65"	M8*P1.0	4.50	C	
O		RF β -BT50AD-EZX3/8"-7.87"KK	00E	7.87"	4.72"	0.94"	1.26"	1.50"	3/8"	1.26"	1.65"	M8*P1.0	4.90	C	
O		RF β -BT50AD-EZX7/16"-4.72"KK	00D	4.72"	3.15"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	4.10	C	
O		RF β -BT50AD-EZX7/16"-6.30"KK	00E	6.30"	3.15"	0.94"	1.26"	1.50"	7/16"	1.26"	1.65"	M8*P1.0	4.50	C	
O		RF β -BT50AD-EZX7/16"-7.87"KK	00E	7.87"	4.72"	0.94"	1.26"	1.50"	7/16"	1.26"	1.65"	M8*P1.0	4.90	C	
O		RF β -BT50AD-EZX1/2"-4.72"KK	00D	4.72"	3.15"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	4.20	C	
O		RF β -BT50AD-EZX1/2"-6.30"KK	00E	6.30"	3.15"	0.94"	1.34"	1.58"	1/2"	1.46"	1.89"	M10*P1.0	4.60	C	
O		RF β -BT50AD-EZX1/2"-7.87"KK	00E	7.87"	4.72"	0.94"	1.34"	1.58"	1/2"	1.46"	1.89"	M10*P1.0	5.00	C	
O		RF β -BT50AD-EZX5/8"-4.72"KK	00D	4.72"	3.15"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	4.20	C	
O		RF β -BT50AD-EZX5/8"-6.30"KK	00E	6.30"	3.15"	1.06"	1.34"	1.58"	5/8"	1.57"	2.01"	M12*P1.0	4.60	C	
O		RF β -BT50AD-EZX5/8"-7.87"KK	00E	7.87"	4.72"	1.06"	1.34"	1.58"	5/8"	1.57"	2.01"	M12*P1.0	5.00	C	
O		RF β -BT50AD-EZX3/4"-4.72"KK	00D	4.72"	3.15"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	4.30	C	
O		RF β -BT50AD-EZX3/4"-6.30"KK	00E	6.30"	3.15"	1.30"	1.62"	1.82"	3/4"	1.65"	2.09"	M16*P1.0	4.70	C	
O		RF β -BT50AD-EZX3/4"-7.87"KK	00E	7.87"	4.72"	1.30"	1.62"	1.82"	3/4"	1.65"	2.09"	M16*P1.0	5.10	C	
O		RF β -BT50AD-EZX7/8"-4.72"KK	00D	4.72"	3.15"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	4.30	C	
O		RF β -BT50AD-EZX7/8"-6.30"KK	00E	6.30"	3.15"	1.30"	1.62"	1.82"	7/8"	1.65"	2.09"	M16*P1.0	4.70	C	
O		RF β -BT50AD-EZX7/8"-7.87"KK	00E	7.87"	4.72"	1.30"	1.62"	1.82"	7/8"	1.65"	2.09"	M16*P1.0	5.10	C	
O		RF β -BT50AD-EZ1"-4.72"KK	00B	4.72"	3.23"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	4.70	C	
O		RF β -BT50AD-EZ1"-6.30"KK	00C	6.30"	3.15"	1.73"	2.09"	2.29"	1"	1.89"	2.32"	M16*P1.0	5.10	C	
O		RF β -BT50AD-EZ1"-7.87"KK	00C	7.87"	4.72"	1.73"	2.09"	2.29"	1"	1.89"	2.32"	M16*P1.0	5.50	C	
O		RF β -BT50AD-EZ1 1/4"-4.72"KK	00B	4.72"	3.23"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	4.70	C	
O		RF β -BT50AD-EZ1 1/4"-6.30"KK	00C	6.30"	3.15"	1.73"	2.09"	2.29"	1 1/4"	2.05"	2.48"	M16*P1.0	5.10	C	
O		RF β -BT50AD-EZ1 1/4"-7.87"KK	00C	7.87"	4.72"	1.73"	2.09"	2.29"	1 1/4"	2.05"	2.48"	M16*P1.0	5.50	C	

產品FIG.00B, 00C, 00D & 00E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.00B, 00C, 00D & 00E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.00B, 00C, 00D & 00E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.00B, 00C, 00D & 00E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

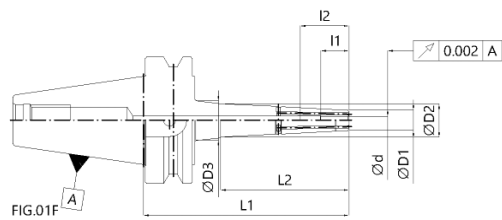
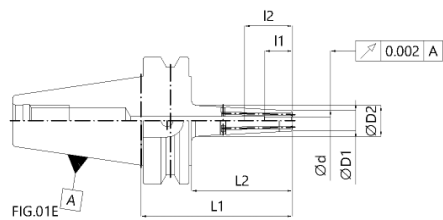
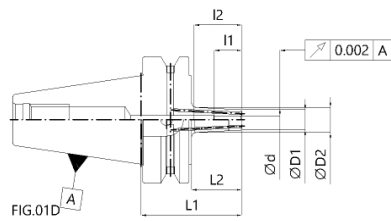
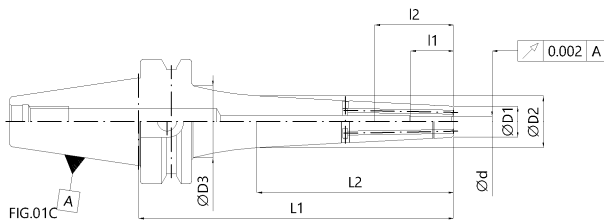
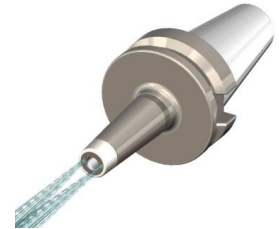
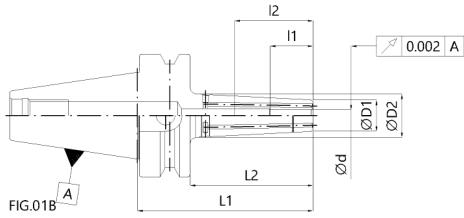
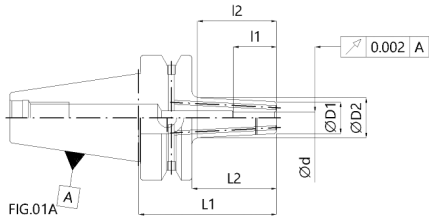
HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // RF β-BT-EZSRKK

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose



動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
◎		RF β-BT30AD-EZ03SR-060KV	01A	60	38	13	17	-	3	11	-	-	0.40	A	
◎		RF β-BT30AD-EZ03SR-080KV	01A	80	58	13	19	-	3	11	-	-	0.60	A	
◎		RF β-BT30AD-EZ03SR-120KK	01B	120	98	13	23	-	3	11	-	-	1.00	A	
○		RF β-BT30AD-EZ03SR-160KK	01C	160	100	13	24	37	3	11	-	-	1.40	A	
◎		RF β-BT30AD-EZ04SR-060KV	01A	60	38	14	18	-	4	14	-	-	0.40	A	
◎		RF β-BT30AD-EZ04SR-080KV	01A	80	58	14	20	-	4	14	-	-	0.60	A	
◎		RF β-BT30AD-EZ04SR-120KK	01B	120	98	14	24	-	4	14	-	-	1.00	A	
○		RF β-BT30AD-EZ04SR-160KK	01C	160	100	14	25	38	4	14	-	-	1.40	A	
◎		RF β-BT30AD-EZ05SR-060KV	01A	60	38	15	19	-	5	17	-	-	0.40	A	
◎		RF β-BT30AD-EZ05SR-080KV	01A	80	58	15	21	-	5	17	-	-	0.60	A	
◎		RF β-BT30AD-EZ05SR-120KK	01B	120	98	15	25	-	5	17	-	-	1.00	A	
○		RF β-BT30AD-EZ05SR-160KK	01C	160	100	15	26	39	5	17	-	-	1.40	A	
◎		RF β-BT30AD-EZ06SR-060KV	01A	60	38	16	20	-	6	23	-	-	0.50	A	
◎		RF β-BT30AD-EZ06SR-080KV	01A	80	58	16	22	-	6	23	-	-	0.70	A	
◎		RF β-BT30AD-EZ06SR-120KK	01B	120	98	16	26	-	6	23	-	-	1.10	A	
○		RF β-BT30AD-EZ06SR-160KK	01C	160	100	16	27	40	6	23	-	-	1.50	A	
◎		RF β-BT30AD-EZ08SR-060KV	01A	60	38	18	22	-	8	27	-	-	0.50	A	
◎		RF β-BT30AD-EZ08SR-080KV	01A	80	58	18	24	-	8	27	-	-	0.70	A	
◎		RF β-BT30AD-EZ08SR-120KK	01B	120	98	18	28	-	8	27	-	-	1.10	A	
○		RF β-BT30AD-EZ08SR-160KK	01C	160	100	18	29	41	8	27	-	-	1.50	A	
◎		RF β-BT30AD-EZ10SR-060KV	01A	60	38	20	24	-	10	32	60	-	0.60	A	
◎		RF β-BT30AD-EZ10SR-080KV	01A	80	58	20	26	-	10	32	60	-	0.80	A	
◎		RF β-BT30AD-EZ10SR-120KK	01B	120	98	20	30	-	10	32	60	-	1.20	A	
○		RF β-BT30AD-EZ10SR-160KK	01C	160	100	20	31	42	10	32	60	-	1.60	A	
◎		RF β-BT30AD-EZ12SR-060KV	01A	60	38	22	26	-	12	37	60	-	0.60	A	
◎		RF β-BT30AD-EZ12SR-080KV	01A	80	58	22	28	-	12	37	60	-	0.80	A	
◎		RF β-BT30AD-EZ12SR-120KK	01B	120	98	22	32	-	12	37	60	-	1.20	A	
○		RF β-BT30AD-EZ12SR-160KK	01C	160	100	22	33	43	12	37	60	-	1.60	A	
◎		RF β-BT30AD-EZ14SR-060KV	01A	60	38	24	28	-	14	37	60	-	0.70	A	
◎		RF β-BT30AD-EZ14SR-080KV	01A	80	58	24	30	-	14	37	80	-	0.90	A	
◎		RF β-BT30AD-EZ14SR-120KK	01B	120	98	24	34	-	14	37	80	-	1.30	A	
○		RF β-BT30AD-EZ14SR-160KK	01C	160	100	24	35	43	14	37	80	-	1.70	A	
◎		RF β-BT30AD-EZ16SR-060KV	01A	60	38	26	30	-	16	37	60	-	0.70	A	
◎		RF β-BT30AD-EZ16SR-080KV	01A	80	58	26	32	-	16	40	80	-	0.90	A	
◎		RF β-BT30AD-EZ16SR-120KK	01B	120	98	26	36	-	16	40	80	-	1.30	A	
○		RF β-BT30AD-EZ16SR-160KK	01C	160	100	26	37	43	16	40	80	-	1.70	A	
◎		RF β-BT30AD-EZ18SR-060KV	01A	60	38	28	32	-	18	37	60	-	0.80	A	
◎		RF β-BT30AD-EZ18SR-080KV	01A	80	58	28	34	-	18	40	80	-	1.00	A	
◎		RF β-BT30AD-EZ18SR-120KK	01B	120	98	28	38	-	18	40	80	-	1.40	A	
○		RF β-BT30AD-EZ18SR-160KK	01B	160	138	28	43	-	18	40	80	-	1.80	A	
◎		RF β-BT30AD-EZ20SR-060KV	01A	60	38	30	34	-	20	37	60	-	0.80	A	
◎		RF β-BT30AD-EZ20SR-080KV	01A	80	58	30	36	-	20	42	80	-	1.00	A	
◎		RF β-BT30AD-EZ20SR-120KK	01B	120	98	30	40	-	20	42	80	-	1.40	A	
○		RF β-BT30AD-EZ20SR-160KK	01B	160	138	30	45	-	20	42	80	-	1.80	A	

STOCK ◎=標準在庫品 // STOCK ○=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // RF β-BT-EZSRKK

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
⊙		RF β-BT40AD-EZ03SR-070KV	01A	70	43	13	18	-	3	11	-	-	0.90	A	
⊙		RF β-BT40AD-EZ03SR-090KK	01B	90	63	13	20	-	3	11	-	-	1.10	A	
⊙		RF β-BT40AD-EZ03SR-120KK	01B	120	93	13	23	-	3	11	-	-	1.40	A	
⊙		RF β-BT40AD-EZ03SR-160KK	01C	160	100	13	24	34	3	11	-	-	1.80	A	
○		RF β-BT40AD-EZ03SR-200KK	01C	200	100	13	24	40	3	11	-	-	2.20	A	
⊙		RF β-BT40AD-EZ04SR-070KV	01A	70	43	14	19	-	4	14	-	-	0.90	A	
⊙		RF β-BT40AD-EZ04SR-090KK	01B	90	63	14	21	-	4	14	-	-	1.10	A	
⊙		RF β-BT40AD-EZ04SR-120KK	01B	120	93	14	24	-	4	14	-	-	1.40	A	
⊙		RF β-BT40AD-EZ04SR-160KK	01C	160	100	14	25	35	4	14	-	-	1.80	A	
○		RF β-BT40AD-EZ04SR-200KK	01C	200	100	14	25	41	4	14	-	-	2.20	A	
⊙		RF β-BT40AD-EZ05SR-070KV	01A	70	43	15	20	-	5	17	-	-	0.90	A	
⊙		RF β-BT40AD-EZ05SR-090KK	01B	90	63	15	22	-	5	17	-	-	1.10	A	
⊙		RF β-BT40AD-EZ05SR-120KK	01B	120	93	15	25	-	5	17	-	-	1.40	A	
⊙		RF β-BT40AD-EZ05SR-160KK	01C	160	100	15	26	36	5	17	-	-	1.80	A	
○		RF β-BT40AD-EZ05SR-200KK	01C	200	100	15	26	42	5	17	-	-	2.20	A	
⊙		RF β-BT40AD-EZ06SR-070KV	01A	70	43	16	21	-	6	23	-	-	1.00	A	
⊙		RF β-BT40AD-EZ06SR-090KK	01B	90	63	16	23	-	6	23	-	-	1.20	A	
⊙		RF β-BT40AD-EZ06SR-120KK	01B	120	93	16	26	-	6	23	-	-	1.50	A	
⊙		RF β-BT40AD-EZ06SR-160KK	01C	160	100	16	27	37	6	23	-	-	1.90	A	
○		RF β-BT40AD-EZ06SR-200KK	01C	200	100	16	27	43	6	23	-	-	2.30	A	
⊙		RF β-BT40AD-EZ08SR-070KV	01A	70	43	18	23	-	8	27	-	-	1.00	A	
⊙		RF β-BT40AD-EZ08SR-090KK	01B	90	63	18	25	-	8	27	-	-	1.20	A	
⊙		RF β-BT40AD-EZ08SR-120KK	01B	120	93	18	28	-	8	27	-	-	1.50	A	
⊙		RF β-BT40AD-EZ08SR-160KK	01C	160	100	18	29	38	8	27	-	-	1.90	A	
○		RF β-BT40AD-EZ08SR-200KK	01C	200	100	18	29	44	8	27	-	-	2.30	A	
⊙		RF β-BT40AD-EZ10SR-070KV	01A	70	43	20	25	-	10	32	-	-	1.10	A	
⊙		RF β-BT40AD-EZ10SR-090KK	01B	90	63	20	27	-	10	32	-	-	1.30	A	
⊙		RF β-BT40AD-EZ10SR-120KK	01B	120	93	20	30	-	10	32	-	-	1.60	A	
⊙		RF β-BT40AD-EZ10SR-160KK	01C	160	100	20	31	40	10	32	-	-	2.00	A	
○		RF β-BT40AD-EZ10SR-200KK	01C	200	100	20	31	44	10	32	-	-	2.40	A	
⊙		RF β-BT40AD-EZ12SR-070KV	01A	70	43	22	27	-	12	37	-	-	1.10	A	
⊙		RF β-BT40AD-EZ12SR-090KK	01B	90	63	22	29	-	12	37	-	-	1.30	A	
⊙		RF β-BT40AD-EZ12SR-120KK	01B	120	93	22	32	-	12	37	-	-	1.60	A	
⊙		RF β-BT40AD-EZ12SR-160KK	01C	160	100	22	33	40	12	37	-	-	2.00	A	
○		RF β-BT40AD-EZ12SR-200KK	01C	200	100	22	33	44	12	37	-	-	2.40	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		RF β-BT40AD-EZ14SR-070KV	01A	70	43	24	29	-	14	37	70	-	1.20	A	
◎		RF β-BT40AD-EZ14SR-090KK	01B	90	63	24	31	-	14	37	80	-	1.40	A	
◎		RF β-BT40AD-EZ14SR-120KK	01B	120	93	24	34	-	14	37	80	-	1.70	A	
◎		RF β-BT40AD-EZ14SR-160KK	01C	160	100	24	35	41	14	37	80	-	2.10	A	
○		RF β-BT40AD-EZ14SR-200KK	01B	200	173	24	42	-	14	37	80	-	2.50	A	
◎		RF β-BT40AD-EZ16SR-070KV	01A	70	43	26	31	-	16	40	70	-	1.20	A	
◎		RF β-BT40AD-EZ16SR-090KK	01B	90	63	26	33	-	16	40	80	-	1.40	A	
◎		RF β-BT40AD-EZ16SR-120KK	01B	120	93	26	36	-	16	40	80	-	1.70	A	
◎		RF β-BT40AD-EZ16SR-160KK	01C	160	100	26	37	42	16	40	80	-	2.10	A	
○		RF β-BT40AD-EZ16SR-200KK	01B	200	173	26	44	-	16	40	80	-	2.50	A	
◎		RF β-BT40AD-EZ18SR-070KV	01A	70	43	28	33	-	18	40	70	-	1.30	A	
◎		RF β-BT40AD-EZ18SR-090KK	01B	90	63	28	35	-	18	40	80	-	1.50	A	
◎		RF β-BT40AD-EZ18SR-120KK	01B	120	93	28	38	-	18	40	80	-	1.80	A	
◎		RF β-BT40AD-EZ18SR-160KK	01B	160	133	28	42	-	18	40	80	-	2.20	A	
○		RF β-BT40AD-EZ18SR-200KK	01B	200	173	28	46	-	18	40	80	-	2.60	A	
◎		RF β-BT40AD-EZ20SR-070KV	01A	70	43	30	35	-	20	42	70	-	1.30	A	
◎		RF β-BT40AD-EZ20SR-090KK	01B	90	63	30	37	-	20	42	80	-	1.50	A	
◎		RF β-BT40AD-EZ20SR-120KK	01B	120	93	30	40	-	20	42	80	-	1.80	A	
◎		RF β-BT40AD-EZ20SR-160KK	01B	160	133	30	44	-	20	42	80	-	2.20	A	
○		RF β-BT40AD-EZ20SR-200KK	01B	200	173	30	48	-	20	42	80	-	2.60	A	
◎		RF β-BT40AD-EZ25SR-070KV	01A	70	43	35	40	-	25	42	70	-	1.70	A	
◎		RF β-BT40AD-EZ25SR-090KK	01B	90	63	35	42	-	25	48	90	-	1.90	A	
◎		RF β-BT40AD-EZ25SR-120KK	01B	120	93	35	45	-	25	48	100	-	2.20	A	
◎		RF β-BT40AD-EZ25SR-160KK	01B	160	133	35	49	-	25	48	100	-	2.60	A	
○		RF β-BT40AD-EZ25SR-200KK	01B	200	173	35	53	-	25	48	100	-	3.00	A	
◎		RF β-BT40AD-EZ32SR-070KV	01A	70	43	42	47	-	32	42	70	-	1.70	A	
◎		RF β-BT40AD-EZ32SR-090KK	01B	90	63	42	49	-	32	52	90	-	1.90	A	
◎		RF β-BT40AD-EZ32SR-120KK	01B	120	93	42	52	-	32	52	100	-	2.20	A	
◎		RF β-BT40AD-EZ32SR-160KK	01B	160	133	42	56	-	32	52	100	-	2.60	A	
○		RF β-BT40AD-EZ32SR-200KK	01B	200	173	42	60	-	32	52	100	-	3.00	A	

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○	RF β-BT50AD-EZX03SR-080KV	01D	80	40	13	18	-	3	11	-	-	3.50	C		
○	RF β-BT50AD-EZX03SR-100KV	01D	100	60	13	20	-	3	11	-	-	3.70	C		
○	RF β-BT50AD-EZX03SR-120KK	01E	120	80	13	22	-	3	11	-	-	3.90	C		
○	RF β-BT50AD-EZX03SR-160KK	01F	160	100	13	24	28	3	11	-	-	4.30	C		
○	RF β-BT50AD-EZX03SR-200KK	01F	200	100	13	24	36	3	11	-	-	4.70	C		
○	RF β-BT50AD-EZX04SR-080KV	01D	80	40	14	19	-	4	14	-	-	3.50	C		
○	RF β-BT50AD-EZX04SR-100KV	01D	100	60	14	21	-	4	14	-	-	3.70	C		
○	RF β-BT50AD-EZX04SR-120KK	01E	120	80	14	23	-	4	14	-	-	3.90	C		
○	RF β-BT50AD-EZX04SR-160KK	01F	160	100	14	25	29	4	14	-	-	4.30	C		
○	RF β-BT50AD-EZX04SR-200KK	01F	200	100	14	25	37	4	14	-	-	4.70	C		
○	RF β-BT50AD-EZX05SR-080KV	01D	80	40	15	20	-	5	17	-	-	3.50	C		
○	RF β-BT50AD-EZX05SR-100KV	01D	100	60	15	22	-	5	17	-	-	3.70	C		
○	RF β-BT50AD-EZX05SR-120KK	01E	120	80	15	24	-	5	17	-	-	3.90	C		
○	RF β-BT50AD-EZX05SR-160KK	01F	160	100	15	26	30	5	17	-	-	4.30	C		
○	RF β-BT50AD-EZX05SR-200KK	01F	200	100	15	26	38	5	17	-	-	4.70	C		
○	RF β-BT50AD-EZX06SR-080KV	01D	80	40	16	21	-	6	23	-	-	3.60	C		
○	RF β-BT50AD-EZX06SR-100KV	01D	100	60	16	23	-	6	23	-	-	3.80	C		
○	RF β-BT50AD-EZX06SR-120KK	01E	120	80	16	25	-	6	23	-	-	4.00	C		
○	RF β-BT50AD-EZX06SR-160KK	01F	160	100	16	27	31	6	23	-	-	4.40	C		
○	RF β-BT50AD-EZX06SR-200KK	01F	200	100	16	27	39	6	23	-	-	4.80	C		
○	RF β-BT50AD-EZX08SR-080KV	01D	80	40	18	23	-	8	27	-	-	3.60	C		
○	RF β-BT50AD-EZX08SR-100KV	01D	100	60	18	25	-	8	27	-	-	3.80	C		
○	RF β-BT50AD-EZX08SR-120KK	01E	120	80	18	27	-	8	27	-	-	4.00	C		
○	RF β-BT50AD-EZX08SR-160KK	01F	160	100	18	29	33	8	27	-	-	4.40	C		
○	RF β-BT50AD-EZX08SR-200KK	01F	200	100	18	29	40	8	27	-	-	4.80	C		
○	RF β-BT50AD-EZX10SR-080KV	01D	80	40	20	25	-	10	32	-	-	3.70	C		
○	RF β-BT50AD-EZX10SR-100KV	01D	100	60	20	27	-	10	32	-	-	3.90	C		
○	RF β-BT50AD-EZX10SR-120KK	01E	120	80	20	29	-	10	32	-	-	4.10	C		
○	RF β-BT50AD-EZX10SR-160KK	01F	160	100	20	31	35	10	32	-	-	4.50	C		
○	RF β-BT50AD-EZX10SR-200KK	01F	200	100	20	31	41	10	32	-	-	4.90	C		
○	RF β-BT50AD-EZX12SR-080KV	01D	80	40	22	27	-	12	37	-	-	3.70	C		
○	RF β-BT50AD-EZX12SR-100KV	01D	100	60	22	29	-	12	37	-	-	3.90	C		
○	RF β-BT50AD-EZX12SR-120KK	01E	120	80	22	31	-	12	37	-	-	4.10	C		
○	RF β-BT50AD-EZX12SR-160KK	01F	160	100	22	33	36	12	37	-	-	4.50	C		
○	RF β-BT50AD-EZX12SR-200KK	01F	200	100	22	33	42	12	37	-	-	4.90	C		

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○	RF β-BT50AD-EZX14SR-080KV	01D	80	40	24	29	-	14	37	-	-	3.80	C		
○	RF β-BT50AD-EZX14SR-100KV	01D	100	60	24	31	-	14	37	-	-	4.00	C		
○	RF β-BT50AD-EZX14SR-120KK	01E	120	80	24	33	-	14	37	-	-	4.20	C		
○	RF β-BT50AD-EZX14SR-160KK	01F	160	100	24	35	38	14	37	-	-	4.60	C		
○	RF β-BT50AD-EZX14SR-200KK	01E	200	160	24	41	-	14	37	-	-	5.00	C		
○	RF β-BT50AD-EZX16SR-080KV	01D	80	40	26	31	-	16	39	-	-	3.80	C		
○	RF β-BT50AD-EZX16SR-100KV	01D	100	60	26	33	-	16	40	-	-	4.00	C		
○	RF β-BT50AD-EZX16SR-120KK	01E	120	80	26	35	-	16	40	-	-	4.20	C		
○	RF β-BT50AD-EZX16SR-160KK	01F	160	100	26	37	40	16	40	-	-	4.60	C		
○	RF β-BT50AD-EZX16SR-200KK	01E	200	160	26	43	-	16	40	-	-	5.00	C		
○	RF β-BT50AD-EZX18SR-080KV	01D	80	40	28	33	-	18	39	-	-	3.90	C		
○	RF β-BT50AD-EZX18SR-100KV	01D	100	60	28	35	-	18	40	-	-	4.10	C		
○	RF β-BT50AD-EZX18SR-120KK	01E	120	80	28	37	-	18	40	-	-	4.30	C		
○	RF β-BT50AD-EZX18SR-160KK	01E	160	120	28	41	-	18	40	-	-	4.70	C		
○	RF β-BT50AD-EZX18SR-200KK	01E	200	160	28	45	-	18	40	-	-	5.10	C		
○	RF β-BT50AD-EZX20SR-080KV	01D	80	40	30	35	-	20	39	-	-	3.90	C		
○	RF β-BT50AD-EZX20SR-100KV	01D	100	60	30	37	-	20	42	-	-	4.10	C		
○	RF β-BT50AD-EZX20SR-120KK	01E	120	80	30	39	-	20	42	-	-	4.30	C		
○	RF β-BT50AD-EZX20SR-160KK	01E	160	120	30	43	-	20	42	-	-	4.70	C		
○	RF β-BT50AD-EZX20SR-200KK	01E	200	160	30	47	-	20	42	-	-	5.10	C		
○	RF β-BT50AD-EZ25SR-080KV	01A	80	42	35	40	-	25	41	80	-	4.30	C		
○	RF β-BT50AD-EZ25SR-100KK	01A	100	62	35	42	-	25	48	100	-	4.50	C		
○	RF β-BT50AD-EZ25SR-120KK	01B	120	82	35	44	-	25	48	100	-	4.70	C		
○	RF β-BT50AD-EZ25SR-160KK	01B	160	122	35	48	-	25	48	100	-	5.10	C		
○	RF β-BT50AD-EZ25SR-200KK	01B	200	162	35	52	-	25	48	100	-	5.50	C		
○	RF β-BT50AD-EZ32SR-080KV	01A	80	42	42	49	-	32	41	80	-	4.30	C		
○	RF β-BT50AD-EZ32SR-100KK	01A	100	62	42	49	-	32	52	100	-	4.50	C		
○	RF β-BT50AD-EZ32SR-120KK	01B	120	82	42	51	-	32	52	100	-	4.70	C		
○	RF β-BT50AD-EZ32SR-160KK	01B	160	122	42	55	-	32	52	100	-	5.10	C		
○	RF β-BT50AD-EZ32SR-200KK	01B	200	162	42	59	-	32	52	100	-	5.50	C		

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // RF β-BT-EZSRKK inch

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄-英制

ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-BT30AD-EZ1/8"SR-2.36"KV	01A	2.36"	1.50"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.40	A	
		RF β-BT30AD-EZ1/8"SR-3.15"KV	01A	3.15"	2.28"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.60	A	
		RF β-BT30AD-EZ1/8"SR-4.72"KK	01B	4.72"	3.86"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.00	A	
		RF β-BT30AD-EZ1/8"SR-6.30"KK	01C	6.30"	3.94"	0.52"	0.96"	1.48"	1/8"	0.43"	-	-	1.40	A	
		RF β-BT30AD-EZ3/16"SR-2.36"KV	01A	2.36"	1.50"	0.59"	0.75"	-	3/16"	0.55"	-	-	0.40	A	
		RF β-BT30AD-EZ3/16"SR-3.15"KV	01A	3.15"	2.28"	0.59"	0.83"	-	3/16"	0.55"	-	-	0.60	A	
		RF β-BT30AD-EZ3/16"SR-4.72"KK	01B	4.72"	3.86"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.00	A	
		RF β-BT30AD-EZ3/16"SR-6.30"KK	01C	6.30"	3.94"	0.59"	1.03"	1.55"	3/16"	0.55"	-	-	1.40	A	
		RF β-BT30AD-EZ1/4"SR-2.36"KV	01A	2.36"	1.50"	0.65"	0.81"	-	1/4"	0.91"	-	-	0.50	A	
		RF β-BT30AD-EZ1/4"SR-3.15"KV	01A	3.15"	2.28"	0.65"	0.89"	-	1/4"	0.91"	-	-	0.70	A	
		RF β-BT30AD-EZ1/4"SR-4.72"KK	01B	4.72"	3.86"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.10	A	
		RF β-BT30AD-EZ1/4"SR-6.30"KK	01C	6.30"	3.94"	0.65"	1.09"	1.61"	1/4"	0.91"	-	-	1.50	A	
		RF β-BT30AD-EZ5/16"SR-2.36"KV	01A	2.36"	1.50"	0.71"	0.87"	-	5/16"	1.06"	-	-	0.50	A	
		RF β-BT30AD-EZ5/16"SR-3.15"KV	01A	3.15"	2.28"	0.71"	0.95"	-	5/16"	1.06"	-	-	0.70	A	
		RF β-BT30AD-EZ5/16"SR-4.72"KK	01B	4.72"	3.86"	0.71"	1.11"	-	5/16"	1.06"	-	-	1.10	A	
		RF β-BT30AD-EZ5/16"SR-6.30"KK	01C	6.30"	3.94"	0.71"	1.15"	1.63"	5/16"	1.06"	-	-	1.50	A	
		RF β-BT30AD-EZ3/8"SR-2.36"KV	01A	2.36"	1.50"	0.77"	0.93"	-	3/8"	1.26"	2.36"	-	0.60	A	
		RF β-BT30AD-EZ3/8"SR-3.15"KV	01A	3.15"	2.28"	0.77"	1.01"	-	3/8"	1.26"	2.36"	-	0.80	A	
		RF β-BT30AD-EZ3/8"SR-4.72"KK	01B	4.72"	3.86"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.20	A	
		RF β-BT30AD-EZ3/8"SR-6.30"KK	01C	6.30"	3.94"	0.77"	1.21"	1.65"	3/8"	1.26"	2.36"	-	1.60	A	
		RF β-BT30AD-EZ7/16"SR-2.36"KV	01A	2.36"	1.50"	0.84"	1.00"	-	7/16"	1.26"	2.36"	-	0.60	A	
		RF β-BT30AD-EZ7/16"SR-3.15"KV	01A	3.15"	2.28"	0.84"	1.08"	-	7/16"	1.26"	2.36"	-	0.80	A	
		RF β-BT30AD-EZ7/16"SR-4.72"KK	01B	4.72"	3.86"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.20	A	
		RF β-BT30AD-EZ7/16"SR-6.30"KK	01C	6.30"	3.94"	0.84"	1.28"	1.68"	7/16"	1.26"	2.36"	-	1.60	A	
		RF β-BT30AD-EZ1/2"SR-2.36"KV	01A	2.36"	1.50"	0.90"	1.06"	-	1/2"	1.46"	2.36"	-	0.70	A	
		RF β-BT30AD-EZ1/2"SR-3.15"KV	01A	3.15"	2.28"	0.90"	1.14"	-	1/2"	1.46"	3.15"	-	0.90	A	
		RF β-BT30AD-EZ1/2"SR-4.72"KK	01B	4.72"	3.86"	0.90"	1.30"	-	1/2"	1.46"	3.15"	-	1.30	A	
		RF β-BT30AD-EZ1/2"SR-6.30"KK	01C	6.30"	3.94"	0.90"	1.34"	1.66"	1/2"	1.46"	3.15"	-	1.70	A	
		RF β-BT30AD-EZ5/8"SR-2.36"KV	01A	2.36"	1.50"	1.02"	1.18"	-	5/8"	1.46"	2.36"	-	0.70	A	
		RF β-BT30AD-EZ5/8"SR-3.15"KV	01A	3.15"	2.28"	1.02"	1.26"	-	5/8"	1.57"	3.15"	-	0.90	A	
		RF β-BT30AD-EZ5/8"SR-4.72"KK	01B	4.72"	3.86"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.30	A	
		RF β-BT30AD-EZ5/8"SR-6.30"KK	01C	6.30"	3.94"	1.02"	1.46"	1.70"	5/8"	1.57"	3.15"	-	1.70	A	
		RF β-BT30AD-EZ3/4"SR-2.36"KV	01A	2.36"	1.50"	1.15"	1.31"	-	3/4"	1.46"	2.36"	-	0.80	A	
		RF β-BT30AD-EZ3/4"SR-3.15"KV	01A	3.15"	2.28"	1.15"	1.39"	-	3/4"	1.65"	3.15"	-	1.00	A	
		RF β-BT30AD-EZ3/4"SR-4.72"KK	01B	4.72"	3.86"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.40	A	
		RF β-BT30AD-EZ3/4"SR-6.30"KK	01B	6.30"	5.43"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	1.80	A	
		RF β-BT30AD-EZ7/8"SR-2.36"KV	01A	2.36"	1.50"	1.27"	1.43"	-	7/8"	1.46"	2.36"	-	0.80	A	
		RF β-BT30AD-EZ7/8"SR-3.15"KV	01A	3.15"	2.28"	1.27"	1.51"	-	7/8"	1.65"	3.15"	-	1.00	A	
		RF β-BT30AD-EZ7/8"SR-4.72"KK	01B	4.72"	3.86"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	1.40	A	
		RF β-BT30AD-EZ7/8"SR-6.30"KK	01B	6.30"	5.43"	1.27"	1.74"	-	7/8"	1.65"	3.15"	-	1.80	A	

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ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β -BT40AD-EZ1/8"SR-2.76"KV	01A	2.76"	1.69"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.90	A	
		RF β -BT40AD-EZ1/8"SR-3.54"KK	01B	3.54"	2.48"	0.52"	0.80"	-	1/8"	0.43"	-	-	1.10	A	
		RF β -BT40AD-EZ1/8"SR-4.72"KK	01B	4.72"	3.66"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.40	A	
		RF β -BT40AD-EZ1/8"SR-6.30"KK	01C	6.30"	3.94"	0.52"	0.96"	1.36"	1/8"	0.43"	-	-	1.80	A	
		RF β -BT40AD-EZ1/8"SR-7.87"KK	01C	7.87"	3.94"	0.52"	0.96"	1.60"	1/8"	0.43"	-	-	2.20	A	
		RF β -BT40AD-EZ3/16"SR-2.76"KV	01A	2.76"	1.69"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.90	A	
		RF β -BT40AD-EZ3/16"SR-3.54"KK	01B	3.54"	2.48"	0.59"	0.87"	-	3/16"	0.55"	-	-	1.10	A	
		RF β -BT40AD-EZ3/16"SR-4.72"KK	01B	4.72"	3.66"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.40	A	
		RF β -BT40AD-EZ3/16"SR-6.30"KK	01C	6.30"	3.94"	0.59"	1.03"	1.43"	3/16"	0.55"	-	-	1.80	A	
		RF β -BT40AD-EZ3/16"SR-7.87"KK	01C	7.87"	3.94"	0.59"	1.03"	1.67"	3/16"	0.55"	-	-	2.20	A	
		RF β -BT40AD-EZ1/4"SR-2.76"KV	01A	2.76"	1.69"	0.65"	0.85"	-	1/4"	0.91"	-	-	1.00	A	
		RF β -BT40AD-EZ1/4"SR-3.54"KK	01B	3.54"	2.48"	0.65"	0.93"	-	1/4"	0.91"	-	-	1.20	A	
		RF β -BT40AD-EZ1/4"SR-4.72"KK	01B	4.72"	3.66"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.50	A	
		RF β -BT40AD-EZ1/4"SR-6.30"KK	01C	6.30"	3.94"	0.65"	1.09"	1.49"	1/4"	0.91"	-	-	1.90	A	
		RF β -BT40AD-EZ1/4"SR-7.87"KK	01C	7.87"	3.94"	0.65"	1.09"	1.73"	1/4"	0.91"	-	-	2.30	A	
		RF β -BT40AD-EZ5/16"SR-2.76"KV	01A	2.76"	1.69"	0.71"	0.91"	-	5/16"	1.06"	-	-	1.00	A	
		RF β -BT40AD-EZ5/16"SR-3.54"KK	01B	3.54"	2.48"	0.71"	0.99"	-	5/16"	1.06"	-	-	1.20	A	
		RF β -BT40AD-EZ5/16"SR-4.72"KK	01B	4.72"	3.66"	0.71"	1.11"	-	5/16"	1.06"	-	-	1.50	A	
		RF β -BT40AD-EZ5/16"SR-6.30"KK	01C	6.30"	3.94"	0.71"	1.15"	1.51"	5/16"	1.06"	-	-	1.90	A	
		RF β -BT40AD-EZ5/16"SR-7.87"KK	01C	7.87"	3.94"	0.71"	1.15"	1.75"	5/16"	1.06"	-	-	2.30	A	
		RF β -BT40AD-EZ3/8"SR-2.76"KV	01A	2.76"	1.69"	0.77"	0.97"	-	3/8"	1.26"	-	-	1.10	A	
		RF β -BT40AD-EZ3/8"SR-3.54"KK	01B	3.54"	2.48"	0.77"	1.05"	-	3/8"	1.26"	-	-	1.30	A	
		RF β -BT40AD-EZ3/8"SR-4.72"KK	01B	4.72"	3.66"	0.77"	1.17"	-	3/8"	1.26"	-	-	1.60	A	
		RF β -BT40AD-EZ3/8"SR-6.30"KK	01C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	-	-	2.00	A	
		RF β -BT40AD-EZ3/8"SR-7.87"KK	01C	7.87"	3.94"	0.77"	1.21"	1.73"	3/8"	1.26"	-	-	2.40	A	
		RF β -BT40AD-EZ7/16"SR-2.76"KV	01A	2.76"	1.69"	0.84"	1.04"	-	7/16"	1.26"	-	-	1.10	A	
		RF β -BT40AD-EZ7/16"SR-3.54"KK	01B	3.54"	2.48"	0.84"	1.12"	-	7/16"	1.26"	-	-	1.30	A	
		RF β -BT40AD-EZ7/16"SR-4.72"KK	01B	4.72"	3.66"	0.84"	1.24"	-	7/16"	1.26"	-	-	1.60	A	
		RF β -BT40AD-EZ7/16"SR-6.30"KK	01C	6.30"	3.94"	0.84"	1.28"	1.56"	7/16"	1.26"	-	-	2.00	A	
		RF β -BT40AD-EZ7/16"SR-7.87"KK	01C	7.87"	3.94"	0.84"	1.28"	1.72"	7/16"	1.26"	-	-	2.40	A	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-BT40AD-EZ1/2"SR-2.76"KV	01A	2.76"	1.69"	0.90"	1.10"	-	1/2"	1.46"	-	-	1.20	A	
		RF β-BT40AD-EZ1/2"SR-3.54"KK	01B	3.54"	2.48"	0.90"	1.18"	-	1/2"	1.46"	-	-	1.40	A	
		RF β-BT40AD-EZ1/2"SR-4.72"KK	01B	4.72"	3.66"	0.90"	1.30"	-	1/2"	1.46"	-	-	1.70	A	
		RF β-BT40AD-EZ1/2"SR-6.30"KK	01C	6.30"	3.94"	0.90"	1.34"	1.58"	1/2"	1.46"	-	-	2.10	A	
		RF β-BT40AD-EZ1/2"SR-7.87"KK	01B	7.87"	6.81"	0.90"	1.74"	-	1/2"	1.46"	-	-	2.50	A	
		RF β-BT40AD-EZ5/8"SR-2.76"KV	01A	2.76"	1.69"	1.02"	1.22"	-	5/8"	1.57"	2.76"	-	1.20	A	
		RF β-BT40AD-EZ5/8"SR-3.54"KK	01B	3.54"	2.48"	1.02"	1.30"	-	5/8"	1.57"	3.15"	-	1.40	A	
		RF β-BT40AD-EZ5/8"SR-4.72"KK	01B	4.72"	3.66"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.70	A	
		RF β-BT40AD-EZ5/8"SR-6.30"KK	01C	6.30"	3.94"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	2.10	A	
		RF β-BT40AD-EZ5/8"SR-7.87"KK	01B	7.87"	6.81"	1.02"	1.74"	-	5/8"	1.57"	3.15"	-	2.50	A	
		RF β-BT40AD-EZ3/4"SR-2.76"KV	01A	2.76"	1.69"	1.15"	1.35"	-	3/4"	1.65"	2.76"	-	1.30	A	
		RF β-BT40AD-EZ3/4"SR-3.54"KK	01B	3.54"	2.48"	1.15"	1.43"	-	3/4"	1.65"	3.15"	-	1.50	A	
		RF β-BT40AD-EZ3/4"SR-4.72"KK	01B	4.72"	3.66"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.80	A	
		RF β-BT40AD-EZ3/4"SR-6.30"KK	01B	6.30"	5.24"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	2.20	A	
		RF β-BT40AD-EZ3/4"SR-7.87"KK	01B	7.87"	6.81"	1.15"	1.87"	-	3/4"	1.65"	3.15"	-	2.60	A	
		RF β-BT40AD-EZ7/8"SR-2.76"KV	01A	2.76"	1.69"	1.27"	1.47"	-	7/8"	1.65"	2.76"	-	1.30	A	
		RF β-BT40AD-EZ7/8"SR-3.54"KK	01B	3.54"	2.48"	1.27"	1.55"	-	7/8"	1.65"	3.15"	-	1.50	A	
		RF β-BT40AD-EZ7/8"SR-4.72"KK	01B	4.72"	3.66"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	1.80	A	
		RF β-BT40AD-EZ7/8"SR-6.30"KK	01B	6.30"	5.24"	1.27"	1.83"	-	7/8"	1.65"	3.15"	-	2.20	A	
		RF β-BT40AD-EZ7/8"SR-7.87"KK	01B	7.87"	6.81"	1.27"	1.99"	-	7/8"	1.65"	3.15"	-	2.60	A	
		RF β-BT40AD-EZ1"SR-2.76"KV	01A	2.76"	1.69"	1.40"	1.60"	-	1"	1.65"	2.76"	-	1.70	A	
		RF β-BT40AD-EZ1"SR-3.54"KK	01B	3.54"	2.48"	1.40"	1.68"	-	1"	1.89"	3.54"	-	1.90	A	
		RF β-BT40AD-EZ1"SR-4.72"KK	01B	4.72"	3.66"	1.40"	1.80"	-	1"	1.89"	3.94"	-	2.20	A	
		RF β-BT40AD-EZ1"SR-6.30"KK	01B	6.30"	5.24"	1.40"	1.96"	-	1"	1.89"	3.94"	-	2.60	A	
		RF β-BT40AD-EZ1"SR-7.87"KK	01B	7.87"	6.81"	1.40"	2.12"	-	1"	1.89"	3.94"	-	3.00	A	
		RF β-BT40AD-EZ1 1/4"SR-2.76"KV	01A	2.76"	1.69"	1.65"	1.85"	-	1 1/4"	1.65"	2.76"	-	1.70	A	
		RF β-BT40AD-EZ1 1/4"SR-3.54"KK	01B	3.54"	2.48"	1.65"	1.93"	-	1 1/4"	2.05"	3.54"	-	1.90	A	
		RF β-BT40AD-EZ1 1/4"SR-4.72"KK	01B	4.72"	3.66"	1.65"	2.05"	-	1 1/4"	2.05"	3.94"	-	2.20	A	
		RF β-BT40AD-EZ1 1/4"SR-6.30"KK	01B	6.30"	5.24"	1.65"	2.21"	-	1 1/4"	2.05"	3.94"	-	2.60	A	
		RF β-BT40AD-EZ1 1/4"SR-7.87"KK	01B	7.87"	6.81"	1.65"	2.37"	-	1 1/4"	2.05"	3.94"	-	3.00	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β -BT50AD-EZX1/8"SR-3.15"KV	01D	3.15"	1.57"	0.52"	0.72"	-	1/8"	0.43"	-	-	3.50	C	
		RF β -BT50AD-EZX1/8"SR-3.94"KV	01D	3.94"	2.36"	0.52"	0.80"	-	1/8"	0.43"	-	-	3.70	C	
		RF β -BT50AD-EZX1/8"SR-4.72"KK	01E	4.72"	3.15"	0.52"	0.88"	-	1/8"	0.43"	-	-	3.90	C	
		RF β -BT50AD-EZX1/8"SR-6.30"KK	01F	6.30"	3.94"	0.52"	0.96"	1.12"	1/8"	0.43"	-	-	4.30	C	
		RF β -BT50AD-EZX1/8"SR-7.87"KK	01F	7.87"	3.94"	0.52"	0.96"	1.44"	1/8"	0.43"	-	-	4.70	C	
		RF β -BT50AD-EZX3/16"SR-3.15"KV	01D	3.15"	1.57"	0.59"	0.79"	-	3/16"	0.55"	-	-	3.50	C	
		RF β -BT50AD-EZX3/16"SR-3.94"KV	01D	3.94"	2.36"	0.59"	0.87"	-	3/16"	0.55"	-	-	3.70	C	
		RF β -BT50AD-EZX3/16"SR-4.72"KK	01E	4.72"	3.15"	0.59"	0.95"	-	3/16"	0.55"	-	-	3.90	C	
		RF β -BT50AD-EZX3/16"SR-6.30"KK	01F	6.30"	3.94"	0.59"	1.03"	1.17"	3/16"	0.55"	-	-	4.30	C	
		RF β -BT50AD-EZX3/16"SR-7.87"KK	01F	7.87"	3.94"	0.59"	1.03"	1.51"	3/16"	0.55"	-	-	4.70	C	
		RF β -BT50AD-EZX1/4"SR-3.15"KV	01D	3.15"	1.57"	0.65"	0.85"	-	1/4"	0.91"	-	-	3.60	C	
		RF β -BT50AD-EZX1/4"SR-3.94"KV	01D	3.94"	2.36"	0.65"	0.93"	-	1/4"	0.91"	-	-	3.80	C	
		RF β -BT50AD-EZX1/4"SR-4.72"KK	01E	4.72"	3.15"	0.65"	1.01"	-	1/4"	0.91"	-	-	4.00	C	
		RF β -BT50AD-EZX1/4"SR-6.30"KK	01F	6.30"	3.94"	0.65"	1.09"	1.25"	1/4"	0.91"	-	-	4.40	C	
		RF β -BT50AD-EZX1/4"SR-7.87"KK	01F	7.87"	3.94"	0.65"	1.09"	1.57"	1/4"	0.91"	-	-	4.80	C	
		RF β -BT50AD-EZX5/16"SR-3.15"KV	01D	3.15"	1.57"	0.71"	0.91"	-	5/16"	1.06"	-	-	3.60	C	
		RF β -BT50AD-EZX5/16"SR-3.94"KV	01D	3.94"	2.36"	0.71"	0.99"	-	5/16"	1.06"	-	-	3.80	C	
		RF β -BT50AD-EZX5/16"SR-4.72"KK	01E	4.72"	3.15"	0.71"	1.07"	-	5/16"	1.06"	-	-	4.00	C	
		RF β -BT50AD-EZX5/16"SR-6.30"KK	01F	6.30"	3.94"	0.71"	1.15"	1.31"	5/16"	1.06"	-	-	4.40	C	
		RF β -BT50AD-EZX5/16"SR-7.87"KK	01F	7.87"	3.94"	0.71"	1.15"	1.59"	5/16"	1.06"	-	-	4.80	C	
		RF β -BT50AD-EZX3/8"SR-3.15"KV	01D	3.15"	1.57"	0.77"	0.97"	-	3/8"	1.26"	-	-	3.70	C	
		RF β -BT50AD-EZX3/8"SR-3.94"KV	01D	3.94"	2.36"	0.77"	1.05"	-	3/8"	1.26"	-	-	3.90	C	
		RF β -BT50AD-EZX3/8"SR-4.72"KK	01E	4.72"	3.15"	0.77"	1.13"	-	3/8"	1.26"	-	-	4.10	C	
		RF β -BT50AD-EZX3/8"SR-6.30"KK	01F	6.30"	3.94"	0.77"	1.21"	1.37"	3/8"	1.26"	-	-	4.50	C	
		RF β -BT50AD-EZX3/8"SR-7.87"KK	01F	7.87"	3.94"	0.77"	1.21"	1.61"	3/8"	1.26"	-	-	4.90	C	
		RF β -BT50AD-EZX7/16"SR-3.15"KV	01D	3.15"	1.57"	0.84"	1.04"	-	7/16"	1.26"	-	-	3.70	C	
		RF β -BT50AD-EZX7/16"SR-3.94"KV	01D	3.94"	2.36"	0.84"	1.12"	-	7/16"	1.26"	-	-	3.90	C	
		RF β -BT50AD-EZX7/16"SR-4.72"KK	01E	4.72"	3.15"	0.84"	1.20"	-	7/16"	1.26"	-	-	4.10	C	
		RF β -BT50AD-EZX7/16"SR-6.30"KK	01F	6.30"	3.94"	0.84"	1.28"	1.40"	7/16"	1.26"	-	-	4.50	C	
		RF β -BT50AD-EZX7/16"SR-7.87"KK	01F	7.87"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	-	-	4.90	C	

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // RF β-BT-EZSRKK inch

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄-英制

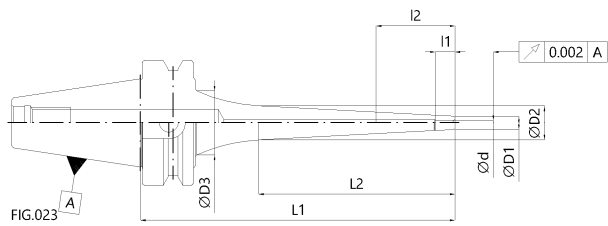
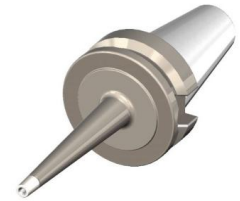
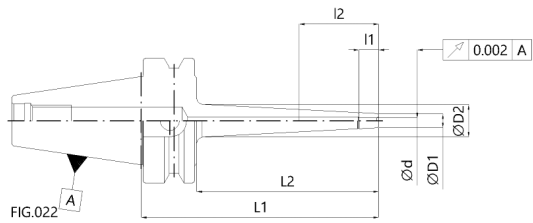
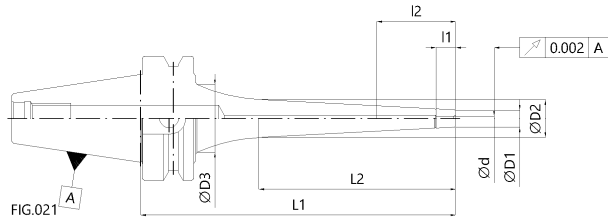
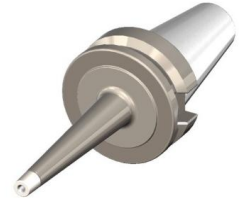
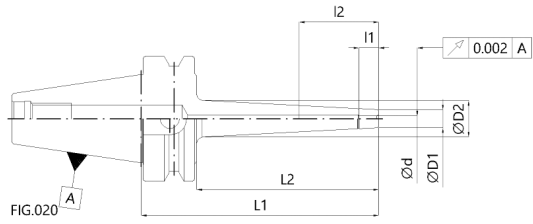
ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-BT50AD-EZX1/2"SR-3.15"KV	01D	3.15"	1.57"	0.90"	1.10"	-	1/2"	1.46"	-	-	3.80	C	
		RF β-BT50AD-EZX1/2"SR-3.94"KV	01D	3.94"	2.36"	0.90"	1.18"	-	1/2"	1.46"	-	-	4.00	C	
		RF β-BT50AD-EZX1/2"SR-4.72"KK	01E	4.72"	3.15"	0.90"	1.26"	-	1/2"	1.46"	-	-	4.20	C	
		RF β-BT50AD-EZX1/2"SR-6.30"KK	01F	6.30"	3.94"	0.90"	1.34"	1.46"	1/2"	1.46"	-	-	4.60	C	
		RF β-BT50AD-EZX1/2"SR-7.87"KK	01E	7.87"	6.30"	0.90"	1.58"	-	1/2"	1.46"	-	-	5.00	C	
		RF β-BT50AD-EZX5/8"SR-3.15"KV	01D	3.15"	1.57"	1.02"	1.22"	-	5/8"	1.54"	-	-	3.80	C	
		RF β-BT50AD-EZX5/8"SR-3.94"KV	01D	3.94"	2.36"	1.02"	1.30"	-	5/8"	1.57"	-	-	4.00	C	
		RF β-BT50AD-EZX5/8"SR-4.72"KK	01E	4.72"	3.15"	1.02"	1.38"	-	5/8"	1.57"	-	-	4.20	C	
		RF β-BT50AD-EZX5/8"SR-6.30"KK	01F	6.30"	3.94"	1.02"	1.46"	1.58"	5/8"	1.57"	-	-	4.60	C	
		RF β-BT50AD-EZX5/8"SR-7.87"KK	01E	7.87"	6.30"	1.02"	1.70"	-	5/8"	1.57"	-	-	5.00	C	
		RF β-BT50AD-EZX3/4"SR-3.15"KV	01D	3.15"	1.57"	1.15"	1.35"	-	3/4"	1.54"	-	-	3.90	C	
		RF β-BT50AD-EZX3/4"SR-3.94"KV	01D	3.94"	2.36"	1.15"	1.43"	-	3/4"	1.65"	-	-	4.10	C	
		RF β-BT50AD-EZX3/4"SR-4.72"KK	01E	4.72"	3.15"	1.15"	1.51"	-	3/4"	1.65"	-	-	4.50	C	
		RF β-BT50AD-EZX3/4"SR-6.30"KK	01E	6.30"	4.72"	1.15"	1.67"	-	3/4"	1.65"	-	-	4.70	C	
		RF β-BT50AD-EZX3/4"SR-7.87"KK	01E	7.87"	6.30"	1.15"	1.83"	-	3/4"	1.65"	-	-	5.10	C	
		RF β-BT50AD-EZX7/8"SR-3.15"KV	01D	3.15"	1.57"	1.27"	1.47"	-	7/8"	1.54"	3.15"	-	3.90	C	
		RF β-BT50AD-EZX7/8"SR-3.94"KV	01D	3.94"	2.36"	1.27"	1.55"	-	7/8"	1.65"	3.15"	-	4.10	C	
		RF β-BT50AD-EZX7/8"SR-4.72"KK	01E	4.72"	3.15"	1.27"	1.63"	-	7/8"	1.65"	3.15"	-	4.30	C	
		RF β-BT50AD-EZX7/8"SR-6.30"KK	01E	6.30"	4.72"	1.27"	1.79"	-	7/8"	1.65"	3.15"	-	4.70	C	
		RF β-BT50AD-EZX7/8"SR-7.87"KK	01E	7.87"	6.30"	1.27"	1.95"	-	7/8"	1.65"	3.15"	-	5.10	C	
		RF β-BT50AD-EZ1"SR-3.15"KV	01A	3.15"	1.65"	1.40"	1.60"	-	1"	1.61"	3.15"	-	4.30	C	
		RF β-BT50AD-EZ1"SR-3.94"KK	01A	3.94"	2.44"	1.40"	1.68"	-	1"	1.89"	3.94"	-	4.50	C	
		RF β-BT50AD-EZ1"SR-4.72"KK	01B	4.72"	3.23"	1.40"	1.76"	-	1"	1.89"	3.94"	-	4.70	C	
		RF β-BT50AD-EZ1"SR-6.30"KK	01B	6.30"	4.80"	1.40"	1.92"	-	1"	1.89"	3.94"	-	5.10	C	
		RF β-BT50AD-EZ1"SR-7.87"KK	01B	7.87"	6.38"	1.40"	2.08"	-	1"	1.89"	3.94"	-	5.50	C	
		RF β-BT50AD-EZ1 1/4"SR-3.15"KV	01A	3.15"	1.65"	1.65"	1.85"	-	1 1/4"	1.61"	3.15"	-	4.30	C	
		RF β-BT50AD-EZ1 1/4"SR-3.94"KK	01A	3.94"	2.44"	1.65"	1.93"	-	1 1/4"	2.05"	3.94"	-	4.50	C	
		RF β-BT50AD-EZ1 1/4"SR-4.72"KK	01B	4.72"	3.23"	1.65"	2.01"	-	1 1/4"	2.05"	3.94"	-	4.70	C	
		RF β-BT50AD-EZ1 1/4"SR-6.30"KK	01B	6.30"	4.80"	1.65"	2.17"	-	1 1/4"	2.05"	3.94"	-	5.10	C	
		RF β-BT50AD-EZ1 1/4"SR-7.87"KK	01B	7.87"	6.38"	1.65"	2.33"	-	1 1/4"	2.05"	3.94"	-	5.50	C	

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ezShrink EZSS & EZSSU // RF β-BT-EZSS & RF β-BT-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎	RF β-BT30AD-EZ03SS-120	020	120	96	9	19	-	3	11	-	-	-	0.90	A	
○	RF β-BT30AD-EZ03SS-160	021	160	100	9	20	39	3	11	-	-	-	1.30	A	
◎	RF β-BT30AD-EZ04SS-120	020	120	96	10	20	-	4	14	-	-	-	0.90	A	
○	RF β-BT30AD-EZ04SS-160	021	160	100	10	21	40	4	14	-	-	-	1.30	A	
◎	RF β-BT30AD-EZ05SS-120	020	120	96	11	21	-	5	17	-	-	-	0.90	A	
○	RF β-BT30AD-EZ05SS-160	021	160	100	11	22	41	5	17	-	-	-	1.30	A	
◎	RF β-BT30AD-EZ06SS-120	020	120	96	12	22	-	6	23	-	-	-	1.00	A	
○	RF β-BT30AD-EZ06SS-160	021	160	100	12	23	42	6	23	-	-	-	1.40	A	
◎	RF β-BT30AD-EZ08SS-120	020	120	96	14	24	-	8	27	-	-	-	1.00	A	
○	RF β-BT30AD-EZ08SS-160	021	160	100	14	25	42	8	27	-	-	-	1.40	A	
◎	RF β-BT30AD-EZ10SS-120	020	120	96	16	26	-	10	32	60	-	-	1.10	A	
○	RF β-BT30AD-EZ10SS-160	021	160	100	16	27	44	10	32	60	-	-	1.50	A	
◎	RF β-BT30AD-EZ12SS-120	020	120	96	18	28	-	12	37	60	-	-	1.10	A	
○	RF β-BT30AD-EZ12SS-160	021	160	100	18	29	44	12	37	60	-	-	1.50	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎	RF β-BT30AD-EZ03SSU-120	022	120	96	7	17	-	3	11	-	-	-	0.90	A	
○	RF β-BT30AD-EZ03SSU-160	023	160	100	7	18	37	3	11	-	-	-	1.30	A	
◎	RF β-BT30AD-EZ04SSU-120	022	120	96	8	18	-	4	14	-	-	-	0.90	A	
○	RF β-BT30AD-EZ04SSU-160	023	160	100	8	19	38	4	14	-	-	-	1.30	A	
○	RF β-BT30AD-EZ05SSU-120	022	120	96	9	19	-	5	17	-	-	-	0.90	A	
○	RF β-BT30AD-EZ05SSU-160	023	160	100	9	20	39	5	17	-	-	-	1.30	A	
◎	RF β-BT30AD-EZ06SSU-120	022	120	96	10	20	-	6	23	-	-	-	1.00	A	
○	RF β-BT30AD-EZ06SSU-160	023	160	100	10	21	40	6	23	-	-	-	1.40	A	
○	RF β-BT30AD-EZ08SSU-120	022	120	96	12	22	-	8	27	-	-	-	1.00	A	
○	RF β-BT30AD-EZ08SSU-160	023	160	100	12	23	40	8	27	-	-	-	1.40	A	
○	RF β-BT30AD-EZ10SSU-120	022	120	96	14	24	-	10	32	60	-	-	1.10	A	
○	RF β-BT30AD-EZ10SSU-160	023	160	100	14	25	42	10	32	60	-	-	1.50	A	
○	RF β-BT30AD-EZ12SSU-120	022	120	96	16	26	-	12	37	60	-	-	1.10	A	
○	RF β-BT30AD-EZ12SSU-160	023	160	100	16	27	42	12	37	60	-	-	1.50	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSS & EZSSU // RF β -BT-EZSS & RF β -BT-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		RF β -BT40AD-EZ03SS-120	020	120	92	9	19	-	3	11	-	-	1.40	A	
◎		RF β -BT40AD-EZ03SS-160	021	160	100	9	20	37	3	11	-	-	1.80	A	
○		RF β -BT40AD-EZ03SS-200	021	200	100	9	20	39	3	11	-	-	2.20	A	
◎		RF β -BT40AD-EZ04SS-120	020	120	92	10	20	-	4	14	-	-	1.40	A	
◎		RF β -BT40AD-EZ04SS-160	021	160	100	10	21	38	4	14	-	-	1.80	A	
○		RF β -BT40AD-EZ04SS-200	021	200	100	10	21	40	4	14	-	-	2.20	A	
◎		RF β -BT40AD-EZ05SS-120	020	120	92	11	21	-	5	17	-	-	1.40	A	
◎		RF β -BT40AD-EZ05SS-160	021	160	100	11	22	39	5	17	-	-	1.80	A	
○		RF β -BT40AD-EZ05SS-200	021	200	100	11	22	41	5	17	-	-	2.20	A	
◎		RF β -BT40AD-EZ06SS-120	020	120	92	12	22	-	6	23	-	-	1.50	A	
◎		RF β -BT40AD-EZ06SS-160	021	160	100	12	23	40	6	23	-	-	1.90	A	
○		RF β -BT40AD-EZ06SS-200	021	200	100	12	23	42	6	23	-	-	2.30	A	
◎		RF β -BT40AD-EZ08SS-120	020	120	92	14	24	-	8	27	-	-	1.50	A	
◎		RF β -BT40AD-EZ08SS-160	021	160	100	14	25	40	8	27	-	-	1.90	A	
○		RF β -BT40AD-EZ08SS-200	021	200	100	14	25	42	8	27	-	-	2.30	A	
◎		RF β -BT40AD-EZ10SS-120	020	120	92	16	26	-	10	32	-	-	1.60	A	
◎		RF β -BT40AD-EZ10SS-160	021	160	100	16	27	42	10	32	-	-	2.00	A	
○		RF β -BT40AD-EZ10SS-200	021	200	100	16	27	44	10	32	-	-	2.40	A	
◎		RF β -BT40AD-EZ12SS-120	020	120	92	18	28	-	12	37	-	-	1.60	A	
◎		RF β -BT40AD-EZ12SS-160	021	160	100	18	29	42	12	37	-	-	2.00	A	
○		RF β -BT40AD-EZ12SS-200	021	200	100	18	29	44	12	37	-	-	2.40	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		RF β -BT40AD-EZ03SSU-120	022	120	92	7	17	-	3	11	-	-	1.40	A	
◎		RF β -BT40AD-EZ03SSU-160	023	160	100	7	18	35	3	11	-	-	1.80	A	
○		RF β -BT40AD-EZ03SSU-200	023	200	100	7	18	37	3	11	-	-	2.20	A	
◎		RF β -BT40AD-EZ04SSU-120	022	120	92	8	18	-	4	14	-	-	1.40	A	
◎		RF β -BT40AD-EZ04SSU-160	023	160	100	8	19	36	4	14	-	-	1.80	A	
○		RF β -BT40AD-EZ04SSU-200	023	200	100	8	19	38	4	14	-	-	2.20	A	
○		RF β -BT40AD-EZ05SSU-120	022	120	92	9	19	-	5	17	-	-	1.40	A	
○		RF β -BT40AD-EZ05SSU-160	023	160	100	9	20	37	5	17	-	-	1.80	A	
○		RF β -BT40AD-EZ05SSU-200	023	200	100	9	20	39	5	17	-	-	2.20	A	
◎		RF β -BT40AD-EZ06SSU-120	022	120	92	10	20	-	6	23	-	-	1.50	A	
◎		RF β -BT40AD-EZ06SSU-160	023	160	100	10	21	38	6	23	-	-	1.90	A	
○		RF β -BT40AD-EZ06SSU-200	023	200	100	10	21	40	6	23	-	-	2.30	A	
○		RF β -BT40AD-EZ08SSU-120	022	120	92	12	22	-	8	27	-	-	1.50	A	
○		RF β -BT40AD-EZ08SSU-160	023	160	100	12	23	38	8	27	-	-	1.90	A	
○		RF β -BT40AD-EZ08SSU-200	023	200	100	12	23	40	8	27	-	-	2.30	A	
○		RF β -BT40AD-EZ10SSU-120	022	120	92	14	24	-	10	32	-	-	1.60	A	
○		RF β -BT40AD-EZ10SSU-160	023	160	100	14	25	40	10	32	-	-	2.00	A	
○		RF β -BT40AD-EZ10SSU-200	023	200	100	14	25	42	10	32	-	-	2.40	A	
○		RF β -BT40AD-EZ12SSU-120	022	120	92	16	26	-	12	37	-	-	1.60	A	
○		RF β -BT40AD-EZ12SSU-160	023	160	100	16	27	40	12	37	-	-	2.00	A	
○		RF β -BT40AD-EZ12SSU-200	023	200	100	16	27	42	12	37	-	-	2.40	A	

STOCK ◎=標準在庫品 // STOCK ○=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

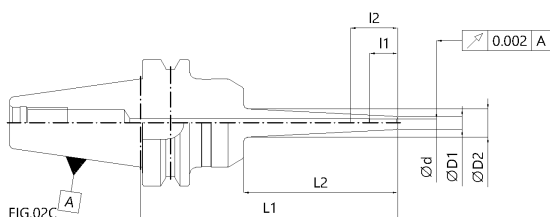
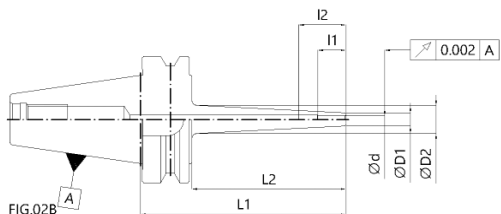
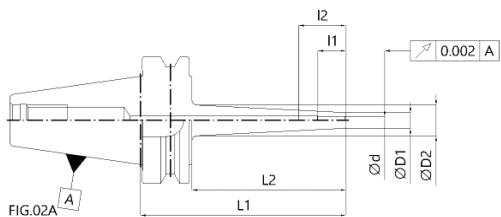
ezShrink EZSS & EZSSU // RF β-BT-EZSS & RF β-BT-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF β-BT50AD-EZX03SS-120	020	120	80	9	18	-	3	11	-	-	3.90	C	
○		RF β-BT50AD-EZX03SS-160	021	160	100	9	20	26	3	11	-	-	4.30	C	
○		RF β-BT50AD-EZX03SS-200	021	200	100	9	20	33	3	11	-	-	4.70	C	
○		RF β-BT50AD-EZX04SS-120	020	120	80	10	19	-	4	14	-	-	3.90	C	
○		RF β-BT50AD-EZX04SS-160	021	160	100	10	21	27	4	14	-	-	4.30	C	
○		RF β-BT50AD-EZX04SS-200	021	200	100	10	21	34	4	14	-	-	4.70	C	
○		RF β-BT50AD-EZX05SS-120	020	120	80	11	20	-	5	17	-	-	3.90	C	
○		RF β-BT50AD-EZX05SS-160	021	160	100	11	22	28	5	17	-	-	4.30	C	
○		RF β-BT50AD-EZX05SS-200	021	200	100	11	22	35	5	17	-	-	4.70	C	
○		RF β-BT50AD-EZX06SS-120	020	120	80	12	21	-	6	23	-	-	4.00	C	
○		RF β-BT50AD-EZX06SS-160	021	160	100	12	23	29	6	23	-	-	4.40	C	
○		RF β-BT50AD-EZX06SS-200	021	200	100	12	23	36	6	23	-	-	4.80	C	
○		RF β-BT50AD-EZX08SS-120	020	120	80	14	23	-	8	27	-	-	4.00	C	
○		RF β-BT50AD-EZX08SS-160	021	160	100	14	25	31	8	27	-	-	4.40	C	
○		RF β-BT50AD-EZX08SS-200	021	200	100	14	25	38	8	27	-	-	4.80	C	
○		RF β-BT50AD-EZX10SS-120	020	120	80	16	25	-	10	32	-	-	4.10	C	
○		RF β-BT50AD-EZX10SS-160	021	160	100	16	27	32	10	32	-	-	4.50	C	
○		RF β-BT50AD-EZX10SS-200	021	200	100	16	27	39	10	32	-	-	4.90	C	
○		RF β-BT50AD-EZX12SS-120	020	120	80	18	27	-	12	37	-	-	4.10	C	
○		RF β-BT50AD-EZX12SS-160	021	160	100	18	29	34	12	37	-	-	4.50	C	
○		RF β-BT50AD-EZX12SS-200	021	200	100	18	29	40	12	37	-	-	4.90	C	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF β-BT50AD-EZX03SSU-120	022	120	80	7	16	-	3	11	-	-	3.90	C	
○		RF β-BT50AD-EZX03SSU-160	023	160	100	7	18	24	3	11	-	-	4.30	C	
○		RF β-BT50AD-EZX03SSU-200	023	200	100	7	18	31	3	11	-	-	4.70	C	
○		RF β-BT50AD-EZX04SSU-120	022	120	80	8	17	-	4	14	-	-	3.90	C	
○		RF β-BT50AD-EZX04SSU-160	023	160	100	8	19	25	4	14	-	-	4.30	C	
○		RF β-BT50AD-EZX04SSU-200	023	200	100	8	19	32	4	14	-	-	4.70	C	
○		RF β-BT50AD-EZX05SSU-120	022	120	80	9	18	-	5	17	-	-	3.90	C	
○		RF β-BT50AD-EZX05SSU-160	023	160	100	9	20	26	5	17	-	-	4.30	C	
○		RF β-BT50AD-EZX05SSU-200	023	200	100	9	20	33	5	17	-	-	4.70	C	
○		RF β-BT50AD-EZX06SSU-120	022	120	80	10	19	-	6	23	-	-	4.00	C	
○		RF β-BT50AD-EZX06SSU-160	023	160	100	10	21	27	6	23	-	-	4.40	C	
○		RF β-BT50AD-EZX06SSU-200	023	200	100	10	21	34	6	23	-	-	4.80	C	
○		RF β-BT50AD-EZX08SSU-120	022	120	80	12	21	-	8	27	-	-	4.00	C	
○		RF β-BT50AD-EZX08SSU-160	023	160	100	12	23	29	8	27	-	-	4.40	C	
○		RF β-BT50AD-EZX08SSU-200	023	200	100	12	23	36	8	27	-	-	4.80	C	
○		RF β-BT50AD-EZX10SSU-120	022	120	80	14	23	-	10	32	-	-	4.10	C	
○		RF β-BT50AD-EZX10SSU-160	023	160	100	14	25	30	10	32	-	-	4.50	C	
○		RF β-BT50AD-EZX10SSU-200	023	200	100	14	25	37	10	32	-	-	4.90	C	
○		RF β-BT50AD-EZX12SSU-120	022	120	80	16	25	-	12	37	-	-	4.10	C	
○		RF β-BT50AD-EZX12SSU-160	023	160	100	16	27	32	12	37	-	-	4.50	C	
○		RF β-BT50AD-EZX12SSU-200	023	200	100	16	27	38	12	37	-	-	4.90	C	

STOCK ◎=標準在庫品 // STOCK ◉=regular stock | STOCK ○=少量在庫品 // STOCK ◊=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck



動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	TiNGold β -BT50AD-EZZ06SS-160	02A	160	120	12	24	-	6	23	60	-	4.40	C	
▲	TiNGold β -BT50AD-EZZ08SS-160	02A	160	120	14	26	-	8	27	60	-	4.40	C	
▲	TiNGold β -BT50AD-EZZ10SS-160	02A	160	120	16	28	-	10	32	80	-	4.40	C	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	TiNGold β -BT50AD-EZZ04SSU-160	02B	160	120	8	20	-	4	14	-	-	4.30	C	
▲	TiNGold β -BT50AD-EZZ04SSU-200	02B	200	120	8	24	-	4	14	-	-	5.50	C	
▲	TiNGold β -BT50AD-EZZ06SSU-160	02B	160	120	10	22	-	6	23	60	-	4.40	C	
▲	TiNGold β -BT50AD-EZZ06SSU-200	02C	200	120	10	26	-	6	23	60	-	5.60	C	
▲	TiNGold β -BT50AD-EZZ08SSU-160	02B	160	120	12	24	-	8	27	60	-	4.40	C	
▲	TiNGold β -BT50AD-EZZ08SSU-200	02C	200	120	12	28	-	8	27	60	-	5.60	C	
▲	TiNGold β -BT50AD-EZZ10SSU-160	02B	160	120	14	26	-	10	32	80	-	4.50	C	
▲	TiNGold β -BT50AD-EZZ10SSU-200	02C	200	120	14	30	-	10	32	80	-	5.70	C	

產品FIG.104 & 105出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.104 & 105 EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSS & EZSSU // RF β-BT-EZSS & RF β-BT-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-BT30AD-EZ1/8"SS-4.72"	020	4.72"	3.78"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.90	A	
		RF β-BT30AD-EZ1/8"SS-6.30"	021	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.30	A	
		RF β-BT30AD-EZ3/16"SS-4.72"	020	4.72"	3.78"	0.42"	0.82"	-	3/16"	0.55"	-	-	0.90	A	
		RF β-BT30AD-EZ3/16"SS-6.30"	021	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.30	A	
		RF β-BT30AD-EZ1/4"SS-4.72"	020	4.72"	3.78"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.00	A	
		RF β-BT30AD-EZ1/4"SS-6.30"	021	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.40	A	
		RF β-BT30AD-EZ5/16"SS-4.72"	020	4.72"	3.78"	0.55"	0.95"	-	5/16"	1.06"	-	-	1.00	A	
		RF β-BT30AD-EZ5/16"SS-6.30"	021	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	-	-	1.40	A	
		RF β-BT30AD-EZ3/8"SS-4.72"	020	4.72"	3.78"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF β-BT30AD-EZ3/8"SS-6.30"	021	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	1.50	A	
		RF β-BT30AD-EZ7/16"SS-4.72"	020	4.72"	3.78"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF β-BT30AD-EZ7/16"SS-6.30"	021	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	1.50	A	
		RF β-BT30AD-EZ1/2"SS-4.72"	020	4.72"	3.78"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF β-BT30AD-EZ1/2"SS-6.30"	021	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	1.60	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-BT30AD-EZ1/8"SSU-4.72"	022	4.72"	3.78"	0.28"	0.68"	-	1/8"	0.43"	-	-	0.90	A	
		RF β-BT30AD-EZ1/8"SSU-6.30"	023	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.30	A	
		RF β-BT30AD-EZ3/16"SSU-4.72"	022	4.72"	3.78"	0.34"	0.74"	-	3/16"	0.55"	-	-	0.90	A	
		RF β-BT30AD-EZ3/16"SSU-6.30"	023	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.30	A	
		RF β-BT30AD-EZ1/4"SSU-4.72"	022	4.72"	3.78"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.00	A	
		RF β-BT30AD-EZ1/4"SSU-6.30"	023	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.40	A	
		RF β-BT30AD-EZ5/16"SSU-4.72"	022	4.72"	3.78"	0.47"	0.87"	-	5/16"	1.06"	-	-	1.00	A	
		RF β-BT30AD-EZ5/16"SSU-6.30"	023	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	-	-	1.40	A	
		RF β-BT30AD-EZ3/8"SSU-4.72"	022	4.72"	3.78"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF β-BT30AD-EZ3/8"SSU-6.30"	023	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	1.50	A	
		RF β-BT30AD-EZ7/16"SSU-4.72"	022	4.72"	3.78"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF β-BT30AD-EZ7/16"SSU-6.30"	023	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	1.50	A	
		RF β-BT30AD-EZ1/2"SSU-4.72"	022	4.72"	3.78"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF β-BT30AD-EZ1/2"SSU-6.30"	023	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	1.60	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSS & EZSSU // RF β-BT-EZSS & RF β-BT-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF β-BT40AD-EZ1/8"SS-4.72"	020	4.72"	3.62"	0.36"	0.76"	-	1/8"	0.43"	-	-	1.40	A	
	RF β-BT40AD-EZ1/8"SS-6.30"	021	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.80	A	
	RF β-BT40AD-EZ1/8"SS-7.87"	021	7.87"	3.94"	0.36"	0.80"	1.54"	1/8"	0.43"	-	-	2.20	A	
	RF β-BT40AD-EZ3/16"SS-4.72"	020	4.72"	3.62"	0.42"	0.82"	-	3/16"	0.55"	-	-	1.40	A	
	RF β-BT40AD-EZ3/16"SS-6.30"	021	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.80	A	
	RF β-BT40AD-EZ3/16"SS-7.87"	021	7.87"	3.94"	0.42"	0.86"	1.58"	3/16"	0.55"	-	-	2.20	A	
	RF β-BT40AD-EZ1/4"SS-4.72"	020	4.72"	3.62"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.50	A	
	RF β-BT40AD-EZ1/4"SS-6.30"	021	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.90	A	
	RF β-BT40AD-EZ1/4"SS-7.87"	021	7.87"	3.94"	0.49"	0.93"	1.62"	1/4"	0.91"	-	-	2.30	A	
	RF β-BT40AD-EZ5/16"SS-4.72"	020	4.72"	3.62"	0.55"	0.95"	-	5/16"	1.06"	-	-	1.50	A	
	RF β-BT40AD-EZ5/16"SS-6.30"	021	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	-	-	1.90	A	
	RF β-BT40AD-EZ5/16"SS-7.87"	021	7.87"	3.94"	0.55"	0.99"	1.66"	5/16"	1.06"	-	-	2.30	A	
	RF β-BT40AD-EZ3/8"SS-4.72"	020	4.72"	3.62"	0.61"	1.01"	-	3/8"	1.26"	-	-	1.60	A	
	RF β-BT40AD-EZ3/8"SS-6.30"	021	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	-	-	2.00	A	
	RF β-BT40AD-EZ3/8"SS-7.87"	021	7.87"	3.94"	0.61"	1.05"	1.66"	3/8"	1.26"	-	-	2.40	A	
	RF β-BT40AD-EZ7/16"SS-4.72"	020	4.72"	3.62"	0.67"	1.07"	-	7/16"	1.26"	-	-	1.60	A	
	RF β-BT40AD-EZ7/16"SS-6.30"	021	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	-	-	2.00	A	
	RF β-BT40AD-EZ7/16"SS-7.87"	021	7.87"	3.94"	0.67"	1.11"	1.74"	7/16"	1.26"	-	-	2.40	A	
	RF β-BT40AD-EZ1/2"SS-4.72"	020	4.72"	3.62"	0.74"	1.14"	-	1/2"	1.46"	-	-	1.70	A	
	RF β-BT40AD-EZ1/2"SS-6.30"	021	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	-	-	2.10	A	
	RF β-BT40AD-EZ1/2"SS-7.87"	021	7.87"	3.94"	0.74"	1.18"	1.74"	1/2"	1.46"	-	-	2.50	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF β-BT40AD-EZ1/8"SSU-4.72"	022	4.72"	3.62"	0.28"	0.68"	-	1/8"	0.43"	-	-	1.40	A	
	RF β-BT40AD-EZ1/8"SSU-6.30"	023	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.80	A	
	RF β-BT40AD-EZ1/8"SSU-7.87"	023	7.87"	3.94"	0.28"	0.72"	1.46"	1/8"	0.43"	-	-	2.20	A	
	RF β-BT40AD-EZ3/16"SSU-4.72"	022	4.72"	3.62"	0.34"	0.74"	-	3/16"	0.55"	-	-	1.40	A	
	RF β-BT40AD-EZ3/16"SSU-6.30"	023	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.80	A	
	RF β-BT40AD-EZ3/16"SSU-7.87"	023	7.87"	3.94"	0.34"	0.78"	1.50"	3/16"	0.55"	-	-	2.20	A	
	RF β-BT40AD-EZ1/4"SSU-4.72"	022	4.72"	3.62"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.50	A	
	RF β-BT40AD-EZ1/4"SSU-6.30"	023	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.90	A	
	RF β-BT40AD-EZ1/4"SSU-7.87"	023	7.87"	3.94"	0.41"	0.85"	1.54"	1/4"	0.91"	-	-	2.30	A	
	RF β-BT40AD-EZ5/16"SSU-4.72"	022	4.72"	3.62"	0.47"	0.87"	-	5/16"	1.06"	-	-	1.50	A	
	RF β-BT40AD-EZ5/16"SSU-6.30"	023	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	-	-	1.90	A	
	RF β-BT40AD-EZ5/16"SSU-7.87"	023	7.87"	3.94"	0.47"	0.91"	1.58"	5/16"	1.06"	-	-	2.30	A	
	RF β-BT40AD-EZ3/8"SSU-4.72"	022	4.72"	3.62"	0.53"	0.93"	-	3/8"	1.26"	-	-	1.60	A	
	RF β-BT40AD-EZ3/8"SSU-6.30"	023	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	-	-	2.00	A	
	RF β-BT40AD-EZ3/8"SSU-7.87"	023	7.87"	3.94"	0.53"	0.97"	1.58"	3/8"	1.26"	-	-	2.40	A	
	RF β-BT40AD-EZ7/16"SSU-4.72"	022	4.72"	3.62"	0.59"	0.99"	-	7/16"	1.26"	-	-	1.60	A	
	RF β-BT40AD-EZ7/16"SSU-6.30"	023	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	-	-	2.00	A	
	RF β-BT40AD-EZ7/16"SSU-7.87"	023	7.87"	3.94"	0.59"	1.03"	1.66"	7/16"	1.26"	-	-	2.40	A	
	RF β-BT40AD-EZ1/2"SSU-4.72"	022	4.72"	3.62"	0.66"	1.06"	-	1/2"	1.46"	-	-	1.70	A	
	RF β-BT40AD-EZ1/2"SSU-6.30"	023	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	-	-	2.10	A	
	RF β-BT40AD-EZ1/2"SSU-7.87"	023	7.87"	3.94"	0.66"	1.10"	1.66"	1/2"	1.46"	-	-	2.50	A	

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSS & EZSSU // RF β-BT-EZSS & RF β-BT-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF β-BT50AD-EZX1/8"SS-4.72"	020	4.72"	3.15"	0.36"	0.72"	-	1/8"	0.43"	-	-	3.90	C	
	RF β-BT50AD-EZX1/8"SS-6.30"	021	6.30"	3.94"	0.36"	0.80"	1.04"	1/8"	0.43"	-	-	4.30	C	
	RF β-BT50AD-EZX1/8"SS-7.87"	021	7.87"	3.94"	0.36"	0.80"	1.32"	1/8"	0.43"	-	-	4.70	C	
	RF β-BT50AD-EZX3/16"SS-4.72"	020	4.72"	3.15"	0.42"	0.78"	-	3/16"	0.55"	-	-	3.90	C	
	RF β-BT50AD-EZX3/16"SS-6.30"	021	6.30"	3.94"	0.42"	0.86"	1.10"	3/16"	0.55"	-	-	4.30	C	
	RF β-BT50AD-EZX3/16"SS-7.87"	021	7.87"	3.94"	0.42"	0.86"	1.38"	3/16"	0.55"	-	-	4.70	C	
	RF β-BT50AD-EZX1/4"SS-4.72"	020	4.72"	3.15"	0.49"	0.85"	-	1/4"	0.91"	-	-	4.00	C	
	RF β-BT50AD-EZX1/4"SS-6.30"	021	6.30"	3.94"	0.49"	0.93"	1.17"	1/4"	0.91"	-	-	4.40	C	
	RF β-BT50AD-EZX1/4"SS-7.87"	021	7.87"	3.94"	0.49"	0.93"	1.45"	1/4"	0.91"	-	-	4.80	C	
	RF β-BT50AD-EZX5/16"SS-4.72"	020	4.72"	3.15"	0.55"	0.91"	-	5/16"	1.06"	-	-	4.00	C	
	RF β-BT50AD-EZX5/16"SS-6.30"	021	6.30"	3.94"	0.55"	0.99"	1.23"	5/16"	1.06"	-	-	4.40	C	
	RF β-BT50AD-EZX5/16"SS-7.87"	021	7.87"	3.94"	0.55"	0.99"	1.51"	5/16"	1.06"	-	-	4.80	C	
	RF β-BT50AD-EZX3/8"SS-4.72"	020	4.72"	3.15"	0.61"	0.97"	-	3/8"	1.26"	-	-	4.10	C	
	RF β-BT50AD-EZX3/8"SS-6.30"	021	6.30"	3.94"	0.61"	1.05"	1.25"	3/8"	1.26"	-	-	4.50	C	
	RF β-BT50AD-EZX3/8"SS-7.87"	021	7.87"	3.94"	0.61"	1.05"	1.53"	3/8"	1.26"	-	-	4.90	C	
	RF β-BT50AD-EZX7/16"SS-4.72"	020	4.72"	3.15"	0.67"	1.03"	-	7/16"	1.26"	-	-	4.10	C	
	RF β-BT50AD-EZX7/16"SS-6.30"	021	6.30"	3.94"	0.67"	1.11"	1.31"	7/16"	1.26"	-	-	4.50	C	
	RF β-BT50AD-EZX7/16"SS-7.87"	021	7.87"	3.94"	0.67"	1.11"	1.55"	7/16"	1.26"	-	-	4.90	C	
	RF β-BT50AD-EZX1/2"SS-4.72"	020	4.72"	3.15"	0.74"	1.10"	-	1/2"	1.46"	-	-	4.20	C	
	RF β-BT50AD-EZX1/2"SS-6.30"	021	6.30"	3.94"	0.74"	1.18"	1.38"	1/2"	1.46"	-	-	4.60	C	
	RF β-BT50AD-EZX1/2"SS-7.87"	021	7.87"	3.94"	0.74"	1.18"	1.62"	1/2"	1.46"	-	-	5.00	C	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF β-BT50AD-EZX1/8"SSU-4.72"	022	4.72"	3.15"	0.28"	0.64"	-	1/8"	0.43"	-	-	3.90	C	
	RF β-BT50AD-EZX1/8"SSU-6.30"	023	6.30"	3.94"	0.28"	0.72"	0.96"	1/8"	0.43"	-	-	4.30	C	
	RF β-BT50AD-EZX1/8"SSU-7.87"	023	7.87"	3.94"	0.28"	0.72"	1.24"	1/8"	0.43"	-	-	4.70	C	
	RF β-BT50AD-EZX3/16"SSU-4.72"	022	4.72"	3.15"	0.34"	0.70"	-	3/16"	0.55"	-	-	3.90	C	
	RF β-BT50AD-EZX3/16"SSU-6.30"	023	6.30"	3.94"	0.34"	0.78"	1.02"	3/16"	0.55"	-	-	4.30	C	
	RF β-BT50AD-EZX3/16"SSU-7.87"	023	7.87"	3.94"	0.34"	0.78"	1.30"	3/16"	0.55"	-	-	4.70	C	
	RF β-BT50AD-EZX1/4"SSU-4.72"	022	4.72"	3.15"	0.41"	0.77"	-	1/4"	0.91"	-	-	4.00	C	
	RF β-BT50AD-EZX1/4"SSU-6.30"	023	6.30"	3.94"	0.41"	0.85"	1.09"	1/4"	0.91"	-	-	4.40	C	
	RF β-BT50AD-EZX1/4"SSU-7.87"	023	7.87"	3.94"	0.41"	0.85"	1.37"	1/4"	0.91"	-	-	4.80	C	
	RF β-BT50AD-EZX5/16"SSU-4.72"	022	4.72"	3.15"	0.47"	0.83"	-	5/16"	1.06"	-	-	4.00	C	
	RF β-BT50AD-EZX5/16"SSU-6.30"	023	6.30"	3.94"	0.47"	0.91"	1.15"	5/16"	1.06"	-	-	4.40	C	
	RF β-BT50AD-EZX5/16"SSU-7.87"	023	7.87"	3.94"	0.47"	0.91"	1.43"	5/16"	1.06"	-	-	4.80	C	
	RF β-BT50AD-EZX3/8"SSU-4.72"	022	4.72"	3.15"	0.53"	0.89"	-	3/8"	1.26"	-	-	4.10	C	
	RF β-BT50AD-EZX3/8"SSU-6.30"	023	6.30"	3.94"	0.53"	0.97"	1.17"	3/8"	1.26"	-	-	4.50	C	
	RF β-BT50AD-EZX3/8"SSU-7.87"	023	7.87"	3.94"	0.53"	0.97"	1.45"	3/8"	1.26"	-	-	4.90	C	
	RF β-BT50AD-EZX7/16"SSU-4.72"	022	4.72"	3.15"	0.59"	0.95"	-	7/16"	1.26"	-	-	4.10	C	
	RF β-BT50AD-EZX7/16"SSU-6.30"	023	6.30"	3.94"	0.59"	1.03"	1.23"	7/16"	1.26"	-	-	4.50	C	
	RF β-BT50AD-EZX7/16"SSU-7.87"	023	7.87"	3.94"	0.59"	1.03"	1.47"	7/16"	1.26"	-	-	4.90	C	
	RF β-BT50AD-EZX1/2"SSU-4.72"	022	4.72"	3.15"	0.66"	1.02"	-	1/2"	1.46"	-	-	4.20	C	
	RF β-BT50AD-EZX1/2"SSU-6.30"	023	6.30"	3.94"	0.66"	1.10"	1.30"	1/2"	1.46"	-	-	4.60	C	
	RF β-BT50AD-EZX1/2"SSU-7.87"	023	7.87"	3.94"	0.66"	1.10"	1.54"	1/2"	1.46"	-	-	5.00	C	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZ // BT

ezShrink EZ // BT

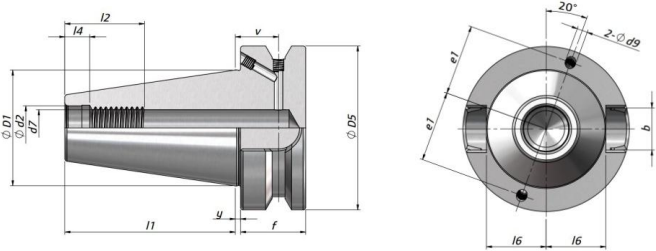
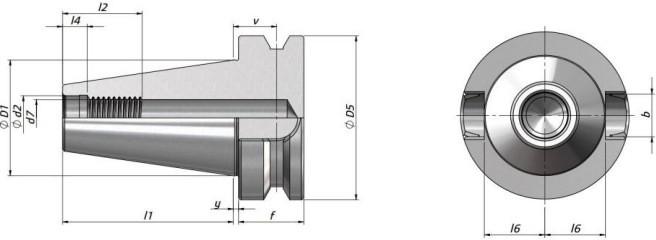
BT is the norm of 7/24 taper from Japan,
It started from the norm MAS403 in 1969, called MAS403-BT.
It was the first norm of 7/24 taper with ATC (Automatic Tool Changer)
In 1998, Japan published norm JIS B 6339:1998 to replace MAS403-BT
In 2007, ISO published ISO7388-2:2007 as new norm for 7/24 BT taper toolholder
BT** was named as ISO**J
BT**AD with coolant through center was named as ISO**JD
BT**B with coolant through flange was named as ISO**JF
BT**AD/B with two type coolant through was named as ISO**JD/F

BT是日本規範7/24圓錐的代號
始於1969年的MAS403規範,稱為MAS403-BT
是最早的ATC(Automatic Tool Changer)7/24圓錐規範
1998年日本公佈JIS B 6339:1998規範代替了MAS403規範
2007年ISO7388-2:2007是7/24 BT外圓錐新規範
BT**刀柄命名為ISO**J
BT**AD刀柄內帶中心貫穿冷卻孔命名為ISO**JD
BT**B刀柄法蘭端面帶冷卻孔命名為ISO**JF
BT**AD/B刀柄將兩種內冷卻方式整合命名為ISO**JD/F

CLAMPING FORCE	BT30	BT40	BT50
	6KN	12KN	25KN

TAPER	BT30AD ISO30JD	BT40AD ISO40JD	BT50AD ISO50JD
ØD1	31.75	44.45	69.85
Ød2 H8	12.5	17	25
d7 6H	M12*P1.75	M16*P2.0	M24*P3.0
ØD5 h8	46	63	100
v +/-0.1	13.6	16.6	23.2
y +/-0.4	2	2	3
f	20	25	35
l1 +/-0.2	48.4	65.4	101.8
l2	24	30	45
l4+0.5/0.0	7	9	13
l6	16.3 -0.3/+0.0	22.6 -0.3/+0.0	35.4 -0.4/+0.0
b +0.2/0.0	16.1	16.1	25.7

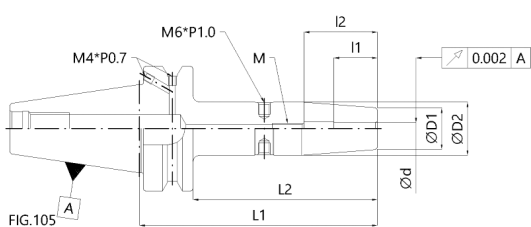
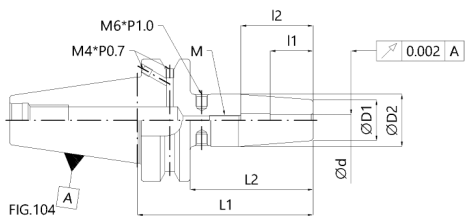
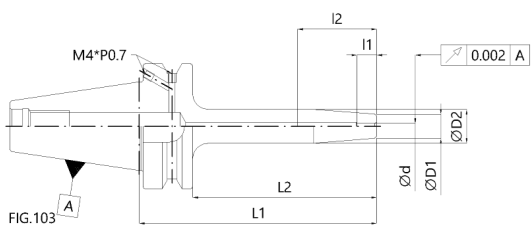
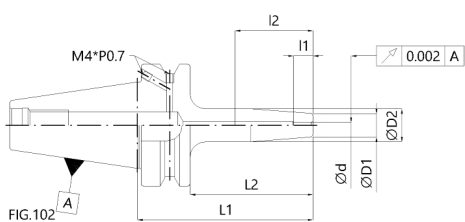
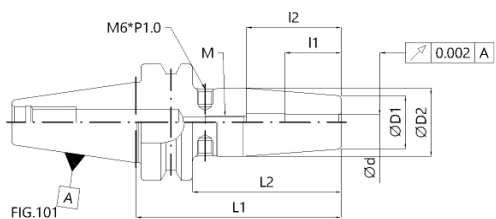
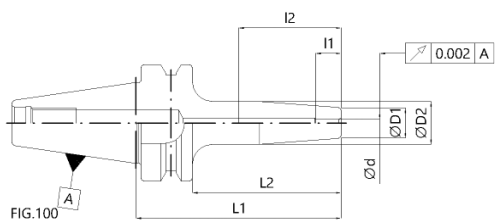
TAPER	BT30AD/B ISO30JD/F	BT40AD/B ISO40JD/F	BT50AD/B ISO50JD/F
e1	20	27	42
Ød9	2	4	6

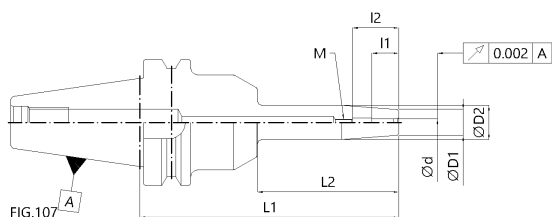
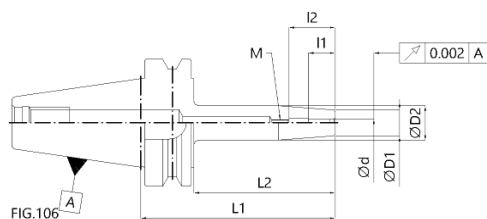


圓錐角度公差 // TAPER ANGLE TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
AT1 (mm)	+0.0008/+0.0013	+0.0010/+0.0016	+0.0013/+0.0020
AT2 (mm)	+0.0013/+0.0020	+0.0016/+0.0025	+0.0020/+0.0032
AT3 (mm)	+0.0020/+0.0032	+0.0025/+0.0040	+0.0032/+0.0050
圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
	0.001	0.001	0.002
圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
	0.001	0.001	0.002

AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準





動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	▲	BT30AD-EZ03-080	100	80	58	12	17	-	3	11	-	-	0.60	A	
	▲	BT30AD-EZ04-080	100	80	58	12	17	-	4	14	-	-	0.60	A	
	▲	BT30AD-EZ05-080	100	80	58	12	17	-	5	17	-	-	0.60	A	
O	◎	BT30AD-EZ06-080	101	80	58	21	27	-	6	23	37	M5*P0.8	0.70	A	
O	◎	BT30AD-EZ08-080	101	80	58	21	27	-	8	27	37	M6*P1.0	0.70	A	
O	◎	BT30AD-EZ10-080	101	80	58	24	32	-	10	32	42	M8*P1.0	0.80	A	
O	◎	BT30AD-EZ12-080	101	80	58	24	32	-	12	37	48	M10*P1.0	0.80	A	
O	◎	BT30AD-EZ14-080	101	80	58	27	34	-	14	37	48	M10*P1.0	0.90	A	
O	◎	BT30AD-EZ16-080	101	80	58	27	34	-	16	40	51	M12*P1.0	0.90	A	
O	◎	BT30AD-EZ18-080	101	80	58	33	41	-	18	40	51	M12*P1.0	1.00	A	
O	◎	BT30AD-EZ20-080	101	80	58	33	41	-	20	42	53	M16*P1.0	1.00	A	

產品FIG.101出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.101EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZ // BT-EZ

ezShrink 熱膨脹燒結刀柄

ezShrink shrink fit chucks

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	▲	BT40AD/B-EZ03-090	102	90	63	12	17	-	3	11	-	-	1.10	A	
	▲	BT40AD/B-EZ04-090	102	90	63	12	17	-	4	14	-	-	1.10	A	
	▲	BT40AD/B-EZ05-090	102	90	63	12	17	-	5	17	-	-	1.10	A	
O	◎	BT40AD/B-EZ06-090	104	90	63	21	27	-	6	23	37	M5*P0.8	1.20	A	
O	●	BT40AD/B-EZ06-120	105	120	93	21	27	-	6	23	37	M5*P0.8	1.50	A	
O	◎	BT40AD/B-EZ08-090	104	90	63	21	27	-	8	27	37	M6*P1.0	1.20	A	
O	●	BT40AD/B-EZ08-120	105	120	93	21	27	-	8	27	37	M6*P1.0	1.50	A	
O	◎	BT40AD/B-EZ10-090	104	90	63	24	32	-	10	32	42	M8*P1.0	1.30	A	
O	●	BT40AD/B-EZ10-120	105	120	93	24	32	-	10	32	42	M8*P1.0	1.60	A	
O	◎	BT40AD/B-EZ12-090	104	90	63	24	32	-	12	37	48	M10*P1.0	1.30	A	
O	●	BT40AD/B-EZ12-120	105	120	93	24	32	-	12	37	48	M10*P1.0	1.60	A	
O	◎	BT40AD/B-EZ14-090	104	90	63	27	34	-	14	37	48	M10*P1.0	1.40	A	
O	●	BT40AD/B-EZ14-120	105	120	93	27	34	-	14	37	48	M10*P1.0	1.70	A	
O	◎	BT40AD/B-EZ16-090	104	90	63	27	34	-	16	40	51	M12*P1.0	1.40	A	
O	●	BT40AD/B-EZ16-120	105	120	93	27	34	-	16	40	51	M12*P1.0	1.70	A	
O	◎	BT40AD/B-EZ18-090	104	90	63	33	41	-	18	40	51	M12*P1.0	1.50	A	
O	●	BT40AD/B-EZ18-120	105	120	93	33	41	-	18	40	51	M12*P1.0	1.80	A	
O	◎	BT40AD/B-EZ20-090	104	90	63	33	41	-	20	42	53	M16*P1.0	1.50	A	
O	●	BT40AD/B-EZ20-120	105	120	93	33	41	-	20	42	53	M16*P1.0	1.80	A	
O	◎	BT40AD/B-EZ25-100	104	100	73	44	53	-	25	48	59	M16*P1.0	2.00	A	
O	●	BT40AD/B-EZ25-120	105	120	93	44	53	-	25	48	59	M16*P1.0	2.20	A	
O	◎	BT40AD/B-EZ32-100	104	100	73	44	53	-	32	52	63	M16*P1.0	2.00	A	
O	●	BT40AD/B-EZ32-120	105	120	93	44	53	-	32	52	63	M16*P1.0	2.20	A	

產品FIG.104 & 105出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.104 & 105 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

STOCK ●=售完變更規格 // STOCK ●=Change Code No. after sold out

STOCK▲=售完停產 // STOCK ▲=No more production after sold out

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	▲	BT50AD-EZX06-105	106	105	65	21	27	-	6	23	37	M5*P0.8	3.90	C	
O	▲	BT50AD-EZX06-150	106	150	110	21	27	-	6	23	37	M5*P0.8	4.30	C	
O	▲	BT50AD-EZX06-200	107	200	110	21	27	-	6	23	37	M5*P0.8	5.60	C	
O	▲	BT50AD-EZX08-105	106	105	65	21	27	-	8	27	37	M6*P1.0	3.90	C	
O	▲	BT50AD-EZX08-150	106	150	110	21	27	-	8	27	37	M6*P1.0	4.30	C	
O	▲	BT50AD-EZX08-200	107	200	110	21	27	-	8	27	37	M6*P1.0	5.60	C	
O	▲	BT50AD-EZX10-105	106	105	65	24	32	-	10	32	42	M8*P1.25	4.00	C	
O	▲	BT50AD-EZX10-150	106	150	110	24	32	-	10	32	42	M8*P1.25	4.40	C	
O	▲	BT50AD-EZX10-200	107	200	110	24	32	-	10	32	42	M8*P1.25	5.70	C	
O	▲	BT50AD-EZX12-105	106	105	65	24	32	-	12	37	48	M10*P1.5	4.00	C	
O	▲	BT50AD-EZX12-150	106	150	110	24	32	-	12	37	48	M10*P1.5	4.40	C	
O	▲	BT50AD-EZX12-200	107	200	110	24	32	-	12	37	48	M10*P1.5	5.70	C	
O	▲	BT50AD-EZX14-105	106	105	65	27	34	-	14	37	48	M10*P1.5	4.10	C	
O	▲	BT50AD-EZX14-150	106	150	110	27	34	-	14	37	48	M10*P1.5	4.50	C	
O	▲	BT50AD-EZX14-200	107	200	110	27	34	-	14	37	48	M10*P1.5	5.80	C	
O	▲	BT50AD-EZX16-105	106	105	65	27	34	-	16	40	51	M12*P1.75	4.10	C	
O	▲	BT50AD-EZX16-150	106	150	110	27	34	-	16	40	51	M12*P1.75	4.50	C	
O	▲	BT50AD-EZX16-200	107	200	110	27	34	-	16	40	51	M12*P1.75	5.80	C	
O	▲	BT50AD-EZX18-105	106	105	65	33	41	-	18	40	51	M12*P1.75	4.20	C	
O	▲	BT50AD-EZX18-150	106	150	110	33	41	-	18	40	51	M12*P1.75	4.60	C	
O	▲	BT50AD-EZX18-200	107	200	110	33	41	-	18	40	51	M12*P1.75	5.90	C	
O	▲	BT50AD-EZX20-105	106	105	65	33	41	-	20	42	53	M16*P2.0	4.20	C	
O	▲	BT50AD-EZX20-150	106	150	110	33	41	-	20	42	53	M16*P2.0	4.60	C	
O	▲	BT50AD-EZX20-200	107	200	110	33	41	-	20	42	53	M16*P2.0	5.90	C	

產品FIG.106 & 107出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.106 & 107 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZ // BT-EZ inch

ezShrink 熱膨脹燒結刀柄-英制

ezShrink shrink fit chucks-inch

動平衡G2.5/30,000RPM-G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM-G2.5/25,000RPM IS AVAILABLE ON REQUEST

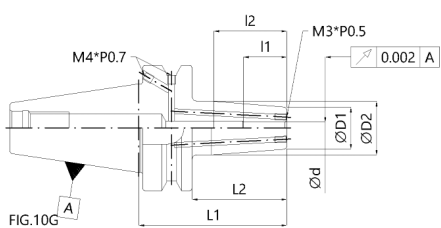
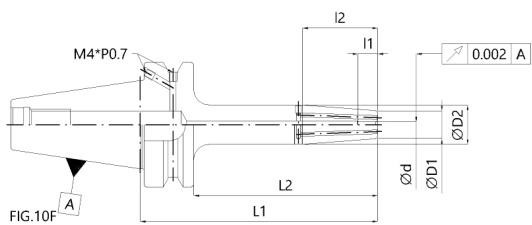
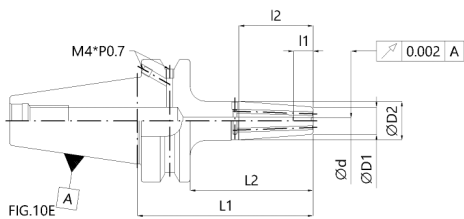
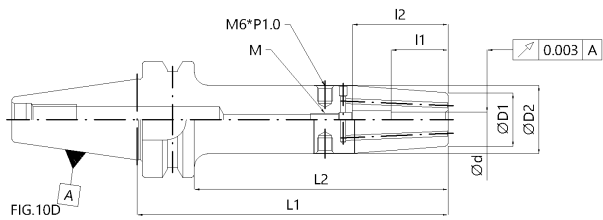
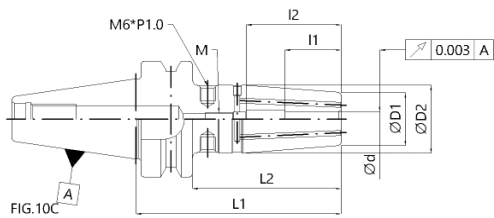
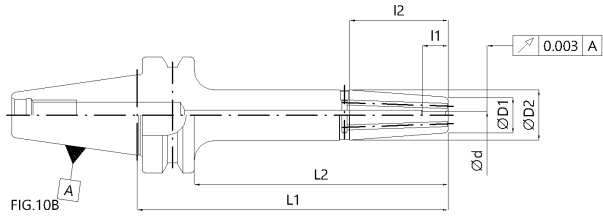
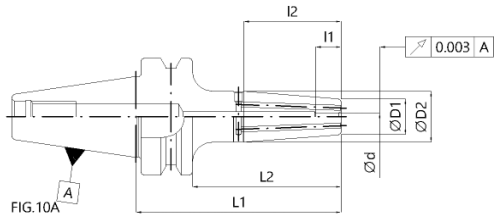
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		BT30AD-EZ1/4"-3.15"	101	3.15"	2.28"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.70	A	
O		BT30AD-EZ5/16"-3.15"	101	3.15"	2.28"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.70	A	
O		BT30AD-EZ3/8"-3.15"	101	3.15"	2.28"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.80	A	
O		BT30AD-EZ7/16"-3.15"	101	3.15"	2.28"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	0.80	A	
O		BT30AD-EZ1/2"-3.15"	101	3.15"	2.28"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	0.90	A	
O		BT30AD-EZ5/8"-3.15"	101	3.15"	2.28"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	0.90	A	
O		BT30AD-EZ3/4"-3.54"	101	3.54"	2.68"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16**P1.0	1.10	A	
O		BT30AD-EZ7/8"-3.54"	101	3.54"	2.68"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16**P1.0	1.10	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		BT40AD/B-EZ1/4"-3.54"	104	3.54"	2.48"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.20	A	
O		BT40AD/B-EZ5/16"-3.54"	104	3.54"	2.48"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.20	A	
O		BT40AD/B-EZ3/8"-3.54"	104	3.54"	2.48"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.30	A	
O		BT40AD/B-EZ7/16"-3.54"	104	3.54"	2.48"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	1.30	A	
O		BT40AD/B-EZ1/2"-3.54"	104	3.54"	2.48"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.40	A	
O		BT40AD/B-EZ5/8"-3.54"	104	3.54"	2.48"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.40	A	
O		BT40AD/B-EZ3/4"-3.54"	104	3.54"	2.48"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.50	A	
O		BT40AD/B-EZ7/8"-3.54"	104	3.54"	2.48"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.50	A	
O		BT40AD/B-EZ1"-3.94"	104	3.94"	2.87"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.00	A	
O		BT40AD/B-EZ1 1/4"-3.94"	104	3.94"	2.87"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.00	A	

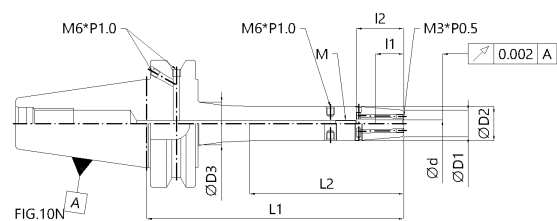
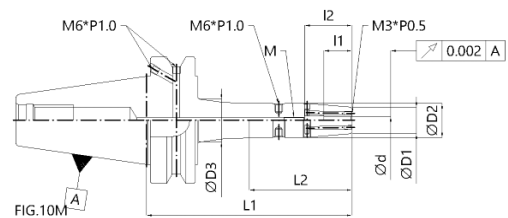
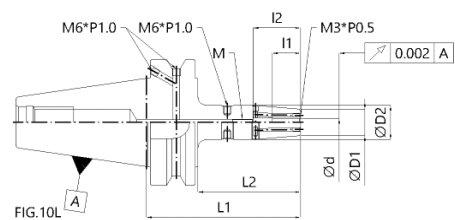
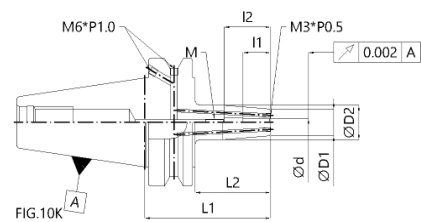
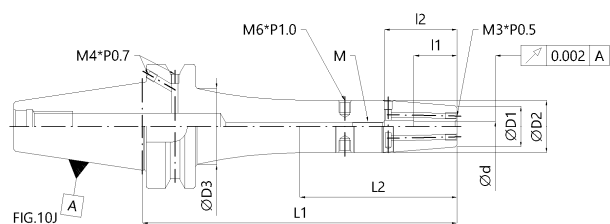
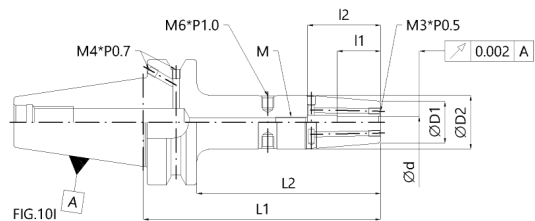
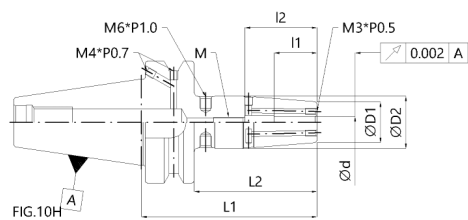
產品FIG.101, 104 & 105出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.101, 104 & 105 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck





動平衡G2.5/30,000RPM-G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM-G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	▲	BT30AD-EZ03-080KK	10A	80	58	14	20	-	3	11	-	-	0.60	A	
	▲	BT30AD-EZ03-120KK	10B	120	98	14	20	-	3	11	-	-	1.00	A	
	▲	BT30AD-EZ04-080KK	10A	80	58	14	20	-	4	14	-	-	0.60	A	
	▲	BT30AD-EZ04-120KK	10B	120	98	14	20	-	4	14	-	-	1.00	A	
	▲	BT30AD-EZ05-080KK	10A	80	58	14	20	-	5	17	-	-	0.60	A	
	▲	BT30AD-EZ05-120KK	10B	120	98	14	20	-	5	17	-	-	1.00	A	
O	▲	BT30AD-EZ06-080KK	10C	80	58	21	27	-	6	23	37	M5*P0.8	0.70	A	
O	▲	BT30AD-EZ06-120KK	10D	120	98	21	27	-	6	23	37	M5*P0.8	1.10	A	
O	▲	BT30AD-EZ08-080KK	10C	80	58	21	27	-	8	27	37	M6*P1.0	0.70	A	
O	▲	BT30AD-EZ08-120KK	10D	120	98	21	27	-	8	27	37	M6*P1.0	1.10	A	
O	▲	BT30AD-EZ10-080KK	10C	80	58	24	32	-	10	32	42	M8*P1.0	0.80	A	
O	▲	BT30AD-EZ10-120KK	10D	120	98	24	32	-	10	32	42	M8*P1.0	1.20	A	
O	▲	BT30AD-EZ12-080KK	10C	80	58	24	32	-	12	37	48	M10*P1.0	0.80	A	
O	▲	BT30AD-EZ12-120KK	10D	120	98	24	32	-	12	37	48	M10*P1.0	1.20	A	
O	▲	BT30AD-EZ14-080KK	10C	80	58	27	34	-	14	37	48	M10*P1.0	0.90	A	
O	▲	BT30AD-EZ14-120KK	10D	120	98	27	34	-	14	37	48	M10*P1.0	1.30	A	
O	▲	BT30AD-EZ16-080KK	10C	80	58	27	34	-	16	40	51	M12*P1.0	0.90	A	
O	▲	BT30AD-EZ16-120KK	10D	120	98	27	34	-	16	40	51	M12*P1.0	1.30	A	
O	▲	BT30AD-EZ18-090KK	10C	90	68	33	41	-	18	40	51	M12*P1.0	1.10	A	
O	▲	BT30AD-EZ18-120KK	10D	120	98	33	41	-	18	40	51	M12*P1.0	1.40	A	
O	▲	BT30AD-EZ20-090KK	10C	90	68	33	41	-	20	42	53	M16*P1.0	1.10	A	
O	▲	BT30AD-EZ20-120KK	10D	120	98	33	41	-	20	42	53	M16*P1.0	1.40	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	▲	BT40AD/B-EZ03-090KK	10E	90	63	14	20	-	3	11	-	-	1.10	A	
	▲	BT40AD/B-EZ03-120KK	10F	120	93	14	20	-	3	11	-	-	1.40	A	
	▲	BT40AD/B-EZ04-090KK	10E	90	63	14	20	-	4	14	-	-	1.10	A	
	▲	BT40AD/B-EZ04-120KK	10F	120	93	14	20	-	4	14	-	-	1.40	A	
	▲	BT40AD/B-EZ05-090KK	10E	90	63	14	20	-	5	17	-	-	1.10	A	
	▲	BT40AD/B-EZ05-120KK	10F	120	93	14	20	-	5	17	-	-	1.40	A	
O	▲	BT40AD/B-EZ06-075KK	10G	75	48	21	27	-	6	23	-	-	1.10	A	
O	◎	BT40AD/B-EZ06-090KK	10H	90	63	21	27	-	6	23	37	M5*P0.8	1.20	A	
O	◎	BT40AD/B-EZ06-120KK	10I	120	93	21	27	-	6	23	37	M5*P0.8	1.50	A	
O	◎	BT40AD/B-EZ06-160KK	10J	160	80	21	27	40	6	23	37	M5*P0.8	1.90	A	
O		BT40AD/B-EZ06-200KK	10J	200	120	21	27	40	6	23	37	M5*P0.8	2.30	A	
O	▲	BT40AD/B-EZ08-075KK	10G	75	48	21	27	-	8	27	-	-	1.10	A	
O	◎	BT40AD/B-EZ08-090KK	10H	90	63	21	27	-	8	27	37	M6*P1.0	1.20	A	
O	◎	BT40AD/B-EZ08-120KK	10I	120	93	21	27	-	8	27	37	M6*P1.0	1.50	A	
O	◎	BT40AD/B-EZ08-160KK	10J	160	80	21	27	40	8	27	37	M6*P1.0	1.90	A	
O		BT40AD/B-EZ08-200KK	10J	200	120	21	27	40	8	27	37	M6*P1.0	2.30	A	

產品FIG.10C, 10D, 10H, 10I & 10J出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.10C, 10D, 10H, 10I & 10J EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.10G, 10H, 10I & 10J出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.10G, 10H, 10I & 10J EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS 無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZKK // BT-EZKK

ezShrink+ezKool 鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
O	▲	BT40AD/B-EZ10-075KK	10G	75	48	24	32	-	10	32	-	-	1.20	A	
O	◎	BT40AD/B-EZ10-090KK	10H	90	63	24	32	-	10	32	42	M8*P1.0	1.30	A	
O	◎	BT40AD/B-EZ10-120KK	10I	120	93	24	32	-	10	32	42	M8*P1.0	1.60	A	
O	◎	BT40AD/B-EZ10-160KK	10J	160	80	24	32	42	10	32	42	M8*P1.0	2.00	A	
O		BT40AD/B-EZ10-200KK	10J	200	120	24	32	42	10	32	42	M8*P1.0	2.40	A	
O	▲	BT40AD/B-EZ12-075KK	10G	75	48	24	32	-	12	37	-	-	1.20	A	
O	◎	BT40AD/B-EZ12-090KK	10H	90	63	24	32	-	12	37	48	M10*P1.0	1.30	A	
O	◎	BT40AD/B-EZ12-120KK	10I	120	93	24	32	-	12	37	48	M10*P1.0	1.60	A	
O	◎	BT40AD/B-EZ12-160KK	10J	160	80	24	32	42	12	37	48	M10*P1.0	2.00	A	
O		BT40AD/B-EZ12-200KK	10J	200	120	24	32	42	12	37	48	M10*P1.0	2.40	A	
O	▲	BT40AD/B-EZ14-075KK	10G	75	48	27	34	-	14	37	80	-	1.30	A	
O	◎	BT40AD/B-EZ14-090KK	10H	90	63	27	34	-	14	37	48	M10*P1.0	1.40	A	
O	◎	BT40AD/B-EZ14-120KK	10I	120	93	27	34	-	14	37	48	M10*P1.0	1.70	A	
O	◎	BT40AD/B-EZ14-160KK	10J	160	80	27	34	42	14	37	48	M10*P1.0	2.10	A	
O		BT40AD/B-EZ14-200KK	10J	200	120	27	34	42	14	37	48	M10*P1.0	2.50	A	
O	▲	BT40AD/B-EZ16-075KK	10G	75	48	27	34	-	16	40	80	-	1.30	A	
O	◎	BT40AD/B-EZ16-090KK	10H	90	63	27	34	-	16	40	51	M12*P1.0	1.40	A	
O	◎	BT40AD/B-EZ16-120KK	10I	120	93	27	34	-	16	40	51	M12*P1.0	1.70	A	
O	◎	BT40AD/B-EZ16-160KK	10J	160	80	27	34	42	16	40	51	M12*P1.0	2.10	A	
O		BT40AD/B-EZ16-200KK	10J	200	120	27	34	42	16	40	51	M12*P1.0	2.50	A	
O	▲	BT40AD/B-EZ18-075KK	10G	75	48	33	41	-	18	40	80	-	1.40	A	
O	◎	BT40AD/B-EZ18-090KK	10H	90	63	33	41	-	18	40	51	M12*P1.0	1.50	A	
O	◎	BT40AD/B-EZ18-120KK	10I	120	93	33	41	-	18	40	51	M12*P1.0	1.80	A	
O	◎	BT40AD/B-EZ18-160KK	10J	160	80	33	41	50	18	40	51	M12*P1.0	2.20	A	
O		BT40AD/B-EZ18-200KK	10J	200	120	33	41	50	18	40	51	M12*P1.0	2.60	A	
O	▲	BT40AD/B-EZ20-075KK	10G	75	48	33	41	-	20	42	80	-	1.40	A	
O	◎	BT40AD/B-EZ20-090KK	10H	90	63	33	41	-	20	42	53	M16*P1.0	1.50	A	
O	◎	BT40AD/B-EZ20-120KK	10I	120	93	33	41	-	20	42	53	M16*P1.0	1.80	A	
O	◎	BT40AD/B-EZ20-160KK	10J	160	80	33	41	50	20	42	53	M16*P1.0	2.20	A	
O		BT40AD/B-EZ20-200KK	10J	200	120	33	41	50	20	42	53	M16*P1.0	2.60	A	
O	▲	BT40AD/B-EZ25-075KK	10G	75	48	44	53	-	25	48	80	-	1.80	A	
O	◎	BT40AD/B-EZ25-100KK	10H	100	63	44	53	-	25	48	59	M16*P1.0	2.00	A	
O	◎	BT40AD/B-EZ25-120KK	10I	120	93	44	53	-	25	48	59	M16*P1.0	2.20	A	
O	◎	BT40AD/B-EZ25-160KK	10I	160	133	44	53	-	25	48	59	M16*P1.0	2.60	A	
O		BT40AD/B-EZ25-200KK	10I	200	173	44	53	-	25	48	59	M16*P1.0	3.00	A	
O	▲	BT40AD/B-EZ32-075KK	10G	75	48	44	53	-	32	52	80	-	1.80	A	
O	◎	BT40AD/B-EZ32-100KK	10H	100	63	44	53	-	32	52	63	M16*P1.0	2.00	A	
O	◎	BT40AD/B-EZ32-120KK	10I	120	93	44	53	-	32	52	63	M16*P1.0	2.20	A	
O	◎	BT40AD/B-EZ32-160KK	10I	160	133	44	53	-	32	52	63	M16*P1.0	2.60	A	
O		BT40AD/B-EZ32-200KK	10I	200	173	44	53	-	32	52	63	M16*P1.0	3.00	A	

產品FIG.10H, 10I & 10J出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.10H, 10I & 10J EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.10G, 10H, 10I & 10J出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.10G, 10H, 10I & 10J EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產產品 // STOCK BLANK=on request

STOCK ●=售完變更規格 // STOCK ●=Change Code No. after sold out

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS 無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
O	▲	BT50AD/B-EZX06-100KK	10K	100	60	21	27	-	6	23	-	-	3.80	C	
O	◎	BT50AD/B-EZX06-120KK	10L	120	80	21	27	-	6	23	37	M5*P0.8	4.00	C	
O	◎	BT50AD/B-EZX06-160KK	10M	160	80	21	27	34	6	23	37	M5*P0.8	4.40	C	
O	◆	BT50AD/B-EZX06-200KK	10N	200	80	21	27	34	6	23	37	M5*P0.8	5.60	C	
O	▲	BT50AD/B-EZX08-100KK	10K	100	60	21	27	-	8	27	-	-	3.80	C	
O	◎	BT50AD/B-EZX08-120KK	10L	120	80	21	27	-	8	27	37	M6*P1.0	4.00	C	
O	◎	BT50AD/B-EZX08-160KK	10M	160	80	21	27	34	8	27	37	M6*P1.0	4.40	C	
O	◆	BT50AD/B-EZX08-200KK	10N	200	80	21	27	34	8	27	37	M6*P1.0	5.60	C	
O	▲	BT50AD/B-EZX10-100KK	10K	100	60	24	32	-	10	32	-	-	3.90	C	
O	◎	BT50AD/B-EZX10-120KK	10L	120	80	24	32	-	10	32	42	M8*P1.0	4.10	C	
O	◎	BT50AD/B-EZX10-160KK	10M	160	80	24	32	38	10	32	42	M8*P1.0	4.50	C	
O		BT50AD/B-EZX10-200KK	10N	200	80	24	32	38	10	32	42	M8*P1.0	5.70	C	
O	▲	BT50AD/B-EZX12-100KK	10K	100	60	24	32	-	12	37	-	-	3.90	C	
O	◎	BT50AD/B-EZX12-120KK	10L	120	80	24	32	-	12	37	48	M10*P1.0	4.10	C	
O	◎	BT50AD/B-EZX12-160KK	10M	160	80	24	32	38	12	37	48	M10*P1.0	4.50	C	
O	◆	BT50AD/B-EZX12-200KK	10N	200	80	24	32	38	12	37	48	M10*P1.0	5.70	C	
O	▲	BT50AD/B-EZX14-100KK	10K	100	60	27	34	-	14	37	-	-	4.00	C	
O	◎	BT50AD/B-EZX14-120KK	10L	120	80	27	34	-	14	37	48	M10*P1.0	4.20	C	
O	◎	BT50AD/B-EZX14-160KK	10M	160	80	27	34	40	14	37	48	M10*P1.0	4.60	C	
O		BT50AD/B-EZX14-200KK	10N	200	80	27	34	40	14	37	48	M10*P1.0	5.80	C	
O	▲	BT50AD/B-EZX16-100KK	10K	100	60	27	34	-	16	40	-	-	4.00	C	
O	◎	BT50AD/B-EZX16-120KK	10L	120	80	27	34	-	16	40	51	M12*P1.0	4.20	C	
O	◎	BT50AD/B-EZX16-160KK	10M	160	80	27	34	40	16	40	51	M12*P1.0	4.60	C	
O		BT50AD/B-EZX16-200KK	10N	200	80	27	34	40	16	40	51	M12*P1.0	5.80	C	
O	▲	BT50AD/B-EZX18-100KK	10K	100	60	33	41	-	18	40	-	-	4.10	C	
O	◎	BT50AD/B-EZX18-120KK	10L	120	80	33	41	-	18	40	51	M12*P1.0	4.30	C	
O	◎	BT50AD/B-EZX18-160KK	10M	160	80	33	41	46	18	40	51	M12*P1.0	4.70	C	
O		BT50AD/B-EZX18-200KK	10N	200	80	33	41	46	18	40	51	M12*P1.0	5.90	C	
O	▲	BT50AD/B-EZX20-100KK	10K	100	60	33	41	-	20	42	-	-	4.10	C	
O	◎	BT50AD/B-EZX20-120KK	10L	120	80	33	41	-	20	42	53	M16*P1.0	4.30	C	
O	◎	BT50AD/B-EZX20-160KK	10M	160	80	33	41	46	20	42	53	M16*P1.0	4.70	C	
O		BT50AD/B-EZX20-200KK	10N	200	80	33	41	46	20	42	53	M16*P1.0	5.90	C	
O	▲	BT50AD/B-EZ25-100KK	10H	100	62	44	53	-	25	48	59	M16*P1.0	4.50	C	
O		BT50AD/B-EZ25-120KK	10I	120	82	44	53	-	25	48	59	M16*P1.0	4.70	C	
O		BT50AD/B-EZ25-160KK	10J	160	80	44	53	58	25	48	59	M16*P1.0	5.10	C	
O		BT50AD/B-EZ25-200KK	10J	200	120	44	53	58	25	48	59	M16*P1.0	5.50	C	
O	▲	BT50AD/B-EZ32-100KK	10H	100	62	44	53	-	32	52	63	M16*P1.0	4.50	C	
O		BT50AD/B-EZ32-120KK	10I	120	82	44	53	-	32	52	63	M16*P1.0	4.70	C	
O		BT50AD/B-EZ32-160KK	10J	160	80	44	53	58	32	52	63	M16*P1.0	5.10	C	
O		BT50AD/B-EZ32-200KK	10J	200	120	44	53	58	32	52	63	M16*P1.0	5.50	C	

產品FIG.10H, 10I, 10J, 10L, 10M & 10N出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.10H, 10I, 10J, 10L, 10M & 10N EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.10H, 10I, 10J, 10K, 10L, 10M & 10N出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.10H, 10I, 10J, 10K, 10L, 10M & 10N EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產 // STOCK BLANK=on request

STOCK ●=售完變更規格 // STOCK ●=Change Code No. after sold out

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

STOCK ◆=售完後設計變更 // STOCK ◆=Change design after sold out

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZKK // BT-EZKK inch

ezShrink+ezKool 鼻端噴水熱膨脹燒結刀柄-英制

ezShrink+ezKool shrink fit chucks with coolant through nose-inch

動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	▲	BT30AD-EZ1/4"-3.15"KK	10C	3.15"	2.28"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.70	A	
O	▲	BT30AD-EZ1/4"-4.72"KK	10D	4.72"	3.86"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.10	A	
O	▲	BT30AD-EZ5/16"-3.15"KK	10C	3.15"	2.28"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.70	A	
O	▲	BT30AD-EZ5/16"-4.72"KK	10D	4.72"	3.86"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.10	A	
O	▲	BT30AD-EZ3/8"-3.15"KK	10C	3.15"	2.28"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.80	A	
O	▲	BT30AD-EZ3/8"-4.72"KK	10D	4.72"	3.86"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.20	A	
O	▲	BT30AD-EZ7/16"-3.15"KK	10C	3.15"	2.28"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	0.80	A	
O	▲	BT30AD-EZ7/16"-4.72"KK	10D	4.72"	3.86"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	1.20	A	
O	▲	BT30AD-EZ1/2"-3.15"KK	10C	3.15"	2.28"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	0.90	A	
O	▲	BT30AD-EZ1/2"-4.72"KK	10D	4.72"	3.86"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.30	A	
O	▲	BT30AD-EZ5/8"-3.15"KK	10C	3.15"	2.28"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	0.90	A	
O	▲	BT30AD-EZ5/8"-4.72"KK	10D	4.72"	3.86"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.30	A	
O	▲	BT30AD-EZ3/4"-3.15"KK	10C	3.15"	2.28"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16**P1.0	1.00	A	
O	▲	BT30AD-EZ3/4"-4.72"KK	10D	4.72"	3.86"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16**P1.0	1.40	A	
O	▲	BT30AD-EZ7/8"-3.15"KK	10C	3.15"	2.28"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16**P1.0	1.00	A	
O	▲	BT30AD-EZ7/8"-4.72"KK	10D	4.72"	3.86"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16**P1.0	1.40	A	

產品FIG.10C & 10D出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.10C & 10D EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產產品 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		BT40AD/B-EZ1/4"-3.54"KK	10H	3.54"	2.48"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.20	A	
O		BT40AD/B-EZ1/4"-4.72"KK	10I	4.72"	3.66"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.50	A	
O		BT40AD/B-EZ1/4"-6.30"KK	10J	6.30"	3.15"	0.83"	1.06"	1.58"	1/4"	0.91"	1.46"	M5*P0.8	1.90	A	
O		BT40AD/B-EZ1/4"-7.87"KK	10J	7.87"	4.72"	0.83"	1.06"	1.58"	1/4"	0.91"	1.46"	M5*P0.8	2.30	A	
O		BT40AD/B-EZ5/16"-3.54"KK	10H	3.54"	2.48"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.20	A	
O		BT40AD/B-EZ5/16"-4.72"KK	10I	4.72"	3.66"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.50	A	
O		BT40AD/B-EZ5/16"-6.30"KK	10J	6.30"	3.15"	0.83"	1.06"	1.58"	5/16"	1.06"	1.46"	M6*P1.0	1.90	A	
O		BT40AD/B-EZ5/16"-7.87"KK	10J	7.87"	4.72"	0.83"	1.06"	1.58"	5/16"	1.06"	1.46"	M6*P1.0	2.30	A	
O		BT40AD/B-EZ3/8"-3.54"KK	10H	3.54"	2.48"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.30	A	
O		BT40AD/B-EZ3/8"-4.72"KK	10I	4.72"	3.66"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.60	A	
O		BT40AD/B-EZ3/8"-6.30"KK	10J	6.30"	3.15"	0.94"	1.26"	1.66"	3/8"	1.26"	1.65"	M8*P1.0	2.00	A	
O		BT40AD/B-EZ3/8"-7.87"KK	10J	7.87"	4.72"	0.94"	1.26"	1.66"	3/8"	1.26"	1.65"	M8*P1.0	2.40	A	
O		BT40AD/B-EZ7/16"-3.54"KK	10H	3.54"	2.48"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	1.30	A	
O		BT40AD/B-EZ7/16"-4.72"KK	10I	4.72"	3.66"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	1.60	A	
O		BT40AD/B-EZ7/16"-6.30"KK	10J	6.30"	3.15"	0.94"	1.26"	1.66"	7/16"	1.26"	1.65"	M8*P1.0	2.00	A	
O		BT40AD/B-EZ7/16"-7.87"KK	10J	7.87"	4.72"	0.94"	1.26"	1.66"	7/16"	1.26"	1.65"	M8*P1.0	2.40	A	
O		BT40AD/B-EZ1/2"-3.54"KK	10H	3.54"	2.48"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.40	A	
O		BT40AD/B-EZ1/2"-4.72"KK	10I	4.72"	3.66"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.70	A	
O		BT40AD/B-EZ1/2"-6.30"KK	10J	6.30"	3.15"	0.94"	1.26"	1.66"	1/2"	1.46"	1.89"	M10*P1.0	2.10	A	
O		BT40AD/B-EZ1/2"-7.87"KK	10J	7.87"	4.72"	0.94"	1.26"	1.66"	1/2"	1.46"	1.89"	M10*P1.0	2.50	A	
O		BT40AD/B-EZ5/8"-3.54"KK	10H	3.54"	2.48"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.40	A	
O		BT40AD/B-EZ5/8"-4.72"KK	10I	4.72"	3.66"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.70	A	
O		BT40AD/B-EZ5/8"-6.30"KK	10J	6.30"	3.15"	1.06"	1.34"	1.66"	5/8"	1.57"	2.01"	M12*P1.0	2.10	A	
O		BT40AD/B-EZ5/8"-7.87"KK	10J	7.87"	4.72"	1.06"	1.34"	1.66"	5/8"	1.57"	2.01"	M12*P1.0	2.50	A	
O		BT40AD/B-EZ3/4"-3.54"KK	10H	3.54"	2.48"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.50	A	
O		BT40AD/B-EZ3/4"-4.72"KK	10I	4.72"	3.66"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.80	A	
O		BT40AD/B-EZ3/4"-6.30"KK	10J	6.30"	3.15"	1.30"	1.62"	1.97"	3/4"	1.65"	2.09"	M16*P1.0	2.20	A	
O		BT40AD/B-EZ3/4"-7.87"KK	10J	7.87"	4.72"	1.30"	1.62"	1.97"	3/4"	1.65"	2.09"	M16*P1.0	2.60	A	
O		BT40AD/B-EZ7/8"-3.54"KK	10H	3.54"	2.48"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.50	A	
O		BT40AD/B-EZ7/8"-4.72"KK	10I	4.72"	3.66"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.80	A	
O		BT40AD/B-EZ7/8"-6.30"KK	10J	6.30"	3.15"	1.30"	1.62"	1.97"	7/8"	1.65"	2.09"	M16*P1.0	2.20	A	
O		BT40AD/B-EZ7/8"-7.87"KK	10J	7.87"	4.72"	1.30"	1.62"	1.97"	7/8"	1.65"	2.09"	M16*P1.0	2.60	A	
O		BT40AD/B-EZ1"-3.94"KK	10H	3.94"	2.87"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.00	A	
O		BT40AD/B-EZ1"-4.72"KK	10I	4.72"	3.66"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.20	A	
O		BT40AD/B-EZ1"-6.30"KK	10I	6.30"	5.23"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.60	A	
O		BT40AD/B-EZ1"-7.87"KK	10I	7.87"	6.81"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	3.00	A	
O		BT40AD/B-EZ1 1/4"-3.94"KK	10H	3.94"	2.87"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.00	A	
O		BT40AD/B-EZ1 1/4"-4.72"KK	10I	4.72"	3.66"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.20	A	
O		BT40AD/B-EZ1 1/4"-6.30"KK	10I	6.30"	5.23"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.60	A	
O		BT40AD/B-EZ1 1/4"-7.87"KK	10I	7.87"	6.81"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	3.00	A	

產品FIG.10H, 10I & 10J出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.10H, 10I & 10J EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.10H, 10I & 10J出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.10H, 10I & 10J EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZKK // BT-EZKK inch

ezShrink+ezKool 鼻端噴水熱膨脹燒結刀柄-英制

ezShrink+ezKool shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		BT50AD/B-EZX1/4"-4.72"KK	10L	4.72"	3.15"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	4.00	C	
O		BT50AD/B-EZX1/4"-6.30"KK	10M	6.30"	3.15"	0.83"	1.06"	1.34"	1/4"	0.91"	1.46"	M5*P0.8	4.40	C	
O		BT50AD/B-EZX1/4"-7.87"KK	10M	7.87"	4.72"	0.83"	1.06"	1.34"	1/4"	0.91"	1.46"	M5*P0.8	4.80	C	
O		BT50AD/B-EZX5/16"-4.72"KK	10L	4.72"	3.15"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	4.00	C	
O		BT50AD/B-EZX5/16"-6.30"KK	10M	6.30"	3.15"	0.83"	1.06"	1.34"	5/16"	1.06"	1.46"	M6*P1.0	4.40	C	
O		BT50AD/B-EZX5/16"-7.87"KK	10M	7.87"	4.72"	0.83"	1.06"	1.34"	5/16"	1.06"	1.46"	M6*P1.0	4.80	C	
O		BT50AD/B-EZX3/8"-4.72"KK	10L	4.72"	3.15"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	4.10	C	
O		BT50AD/B-EZX3/8"-6.30"KK	10M	6.30"	3.15"	0.94"	1.26"	1.50"	3/8"	1.26"	1.65"	M8*P1.0	4.50	C	
O		BT50AD/B-EZX3/8"-7.87"KK	10M	7.87"	4.72"	0.94"	1.26"	1.50"	3/8"	1.26"	1.65"	M8*P1.0	4.90	C	
O		BT50AD/B-EZX7/16"-4.72"KK	10L	4.72"	3.15"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	4.10	C	
O		BT50AD/B-EZX7/16"-6.30"KK	10M	6.30"	3.15"	0.94"	1.26"	1.50"	7/16"	1.26"	1.65"	M8*P1.0	4.50	C	
O		BT50AD/B-EZX7/16"-7.87"KK	10M	7.87"	4.72"	0.94"	1.26"	1.50"	7/16"	1.26"	1.65"	M8*P1.0	4.90	C	
O		BT50AD/B-EZX1/2"-4.72"KK	10L	4.72"	3.15"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	4.20	C	
O		BT50AD/B-EZX1/2"-6.30"KK	10M	6.30"	3.15"	0.94"	1.34"	1.58"	1/2"	1.46"	1.89"	M10*P1.0	4.60	C	
O		BT50AD/B-EZX1/2"-7.87"KK	10M	7.87"	4.72"	0.94"	1.34"	1.58"	1/2"	1.46"	1.89"	M10*P1.0	5.00	C	
O		BT50AD/B-EZX5/8"-4.72"KK	10L	4.72"	3.15"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	4.20	C	
O		BT50AD/B-EZX5/8"-6.30"KK	10M	6.30"	3.15"	1.06"	1.34"	1.58"	5/8"	1.57"	2.01"	M12*P1.0	4.60	C	
O		BT50AD/B-EZX5/8"-7.87"KK	10M	7.87"	4.72"	1.06"	1.34"	1.58"	5/8"	1.57"	2.01"	M12*P1.0	5.00	C	
O		BT50AD/B-EZX3/4"-4.72"KK	10L	4.72"	3.15"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	4.30	C	
O		BT50AD/B-EZX3/4"-6.30"KK	10M	6.30"	3.15"	1.30"	1.62"	1.82"	3/4"	1.65"	2.09"	M16*P1.0	4.70	C	
O		BT50AD/B-EZX3/4"-7.87"KK	10M	7.87"	4.72"	1.30"	1.62"	1.82"	3/4"	1.65"	2.09"	M16*P1.0	5.10	C	
O		BT50AD/B-EZX7/8"-4.72"KK	10L	4.72"	3.15"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	4.30	C	
O		BT50AD/B-EZX7/8"-6.30"KK	10M	6.30"	3.15"	1.30"	1.62"	1.82"	7/8"	1.65"	2.09"	M16*P1.0	4.70	C	
O		BT50AD/B-EZX7/8"-7.87"KK	10M	7.87"	4.72"	1.30"	1.62"	1.82"	7/8"	1.65"	2.09"	M16*P1.0	5.10	C	
O		BT50AD/B-EZ1"-4.72"KK	10I	4.72"	3.23"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	4.70	C	
O		BT50AD/B-EZ1"-6.30"KK	10J	6.30"	3.15"	1.73"	2.09"	2.29"	1"	1.89"	2.32"	M16*P1.0	5.10	C	
O		BT50AD/B-EZ1"-7.87"KK	10J	7.87"	4.72"	1.73"	2.09"	2.29"	1"	1.89"	2.32"	M16*P1.0	5.50	C	
O		BT50AD/B-EZ1 1/4"-4.72"KK	10I	4.72"	3.23"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	4.70	C	
O		BT50AD/B-EZ1 1/4"-6.30"KK	10J	6.30"	3.15"	1.73"	2.09"	2.29"	1 1/4"	2.05"	2.48"	M16*P1.0	5.10	C	
O		BT50AD/B-EZ1 1/4"-7.87"KK	10J	7.87"	4.72"	1.73"	2.09"	2.29"	1 1/4"	2.05"	2.48"	M16*P1.0	5.50	C	

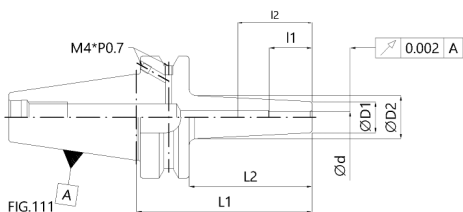
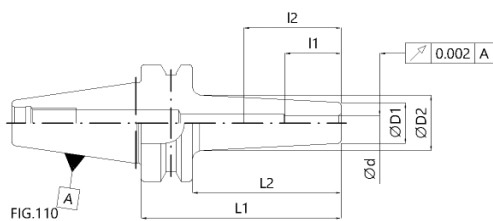
產品FIG.10I, 10J, 10L & 10M出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.10I, 10J, 10L & 10M EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.10I, 10J, 10L & 10M出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.10I, 10J, 10L & 10M EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck



動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
◎	◎	BT30AD-EZ03SR-060	110	60	38	13	17	-	3	11	-	-	0.40	A	
◎	◎	BT30AD-EZ03SR-080	110	80	58	13	19	-	3	11	-	-	0.60	A	
◎	◎	BT30AD-EZ04SR-060	110	60	38	14	18	-	4	14	-	-	0.40	A	
◎	◎	BT30AD-EZ04SR-080	110	80	58	14	20	-	4	14	-	-	0.60	A	
◎	◎	BT30AD-EZ05SR-060	110	60	38	15	19	-	5	17	-	-	0.40	A	
◎	◎	BT30AD-EZ05SR-080	110	80	58	15	21	-	5	17	-	-	0.60	A	
◎	◎	BT30AD-EZ06SR-060	110	60	38	16	20	-	6	23	-	-	0.50	A	
◎	◎	BT30AD-EZ06SR-080	110	80	58	16	22	-	6	23	-	-	0.70	A	
◎	◎	BT30AD-EZ08SR-060	110	60	38	18	22	-	8	27	-	-	0.50	A	
◎	◎	BT30AD-EZ08SR-080	110	80	58	18	24	-	8	27	-	-	0.70	A	
◎	◎	BT30AD-EZ10SR-060	110	60	38	20	24	-	10	32	60	-	0.60	A	
◎	◎	BT30AD-EZ10SR-080	110	80	58	20	26	-	10	32	60	-	0.80	A	
◎	◎	BT30AD-EZ12SR-060	110	60	38	22	26	-	12	37	60	-	0.60	A	
◎	◎	BT30AD-EZ12SR-080	110	80	58	22	28	-	12	37	60	-	0.80	A	
◎	◎	BT30AD-EZ14SR-060	110	60	38	24	28	-	14	37	60	-	0.70	A	
◎	◎	BT30AD-EZ14SR-080	110	80	58	24	30	-	14	37	80	-	0.90	A	
◎	◎	BT30AD-EZ16SR-060	110	60	38	26	30	-	16	37	60	-	0.70	A	
◎	◎	BT30AD-EZ16SR-080	110	80	58	26	32	-	16	40	80	-	0.90	A	
◎	◎	BT30AD-EZ18SR-060	110	60	38	28	32	-	18	37	60	-	0.80	A	
◎	◎	BT30AD-EZ18SR-080	110	80	58	28	34	-	18	40	80	-	1.00	A	
◎	◎	BT30AD-EZ20SR-060	110	60	38	30	34	-	20	37	60	-	0.80	A	
◎	◎	BT30AD-EZ20SR-080	110	80	58	30	36	-	20	42	80	-	1.00	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSR // BT-EZSR

ezShrink SlimRegular 細型熱膨脹燒結刀柄
ezShrink SlimRegular shrink fit chucks

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		BT40AD/B-EZ03SR-070	111	70	43	13	18	-	3	11	-	-	0.90	A	
◎		BT40AD/B-EZ03SR-090	111	90	63	13	20	-	3	11	-	-	1.10	A	
◎		BT40AD/B-EZ04SR-070	111	70	43	14	19	-	4	14	-	-	0.90	A	
◎		BT40AD/B-EZ04SR-090	111	90	63	14	21	-	4	14	-	-	1.10	A	
◎		BT40AD/B-EZ05SR-070	111	70	43	15	20	-	5	17	-	-	0.90	A	
◎		BT40AD/B-EZ05SR-090	111	90	63	15	22	-	5	17	-	-	1.10	A	
◎		BT40AD/B-EZ06SR-070	111	70	43	16	21	-	6	23	-	-	1.00	A	
◎		BT40AD/B-EZ06SR-090	111	90	63	16	23	-	6	23	-	-	1.20	A	
◎		BT40AD/B-EZ08SR-070	111	70	43	18	23	-	8	27	-	-	1.00	A	
◎		BT40AD/B-EZ08SR-090	111	90	63	18	25	-	8	27	-	-	1.20	A	
◎		BT40AD/B-EZ10SR-070	111	70	43	20	25	-	10	32	-	-	1.10	A	
◎		BT40AD/B-EZ10SR-090	111	90	63	20	27	-	10	32	-	-	1.30	A	
◎		BT40AD/B-EZ12SR-070	111	70	43	22	27	-	12	37	-	-	1.10	A	
◎		BT40AD/B-EZ12SR-090	111	90	63	22	29	-	12	37	-	-	1.30	A	
◎		BT40AD/B-EZ14SR-070	111	70	43	24	29	-	14	37	70	-	1.20	A	
◎		BT40AD/B-EZ14SR-090	111	90	63	24	31	-	14	37	80	-	1.40	A	
◎		BT40AD/B-EZ16SR-070	111	70	43	26	31	-	16	40	70	-	1.20	A	
◎		BT40AD/B-EZ16SR-090	111	90	63	26	33	-	16	40	80	-	1.40	A	
◎		BT40AD/B-EZ18SR-070	111	70	43	28	33	-	18	40	70	-	1.30	A	
◎		BT40AD/B-EZ18SR-090	111	90	63	28	35	-	18	40	80	-	1.50	A	
◎		BT40AD/B-EZ20SR-070	111	70	43	30	35	-	20	42	70	-	1.30	A	
◎		BT40AD/B-EZ20SR-090	111	90	63	30	37	-	20	42	80	-	1.50	A	
◎		BT40AD/B-EZ25SR-070	111	70	43	35	40	-	25	42	70	-	1.70	A	
◎		BT40AD/B-EZ25SR-090	111	90	63	35	42	-	25	48	90	-	1.90	A	
◎		BT40AD/B-EZ32SR-070	111	70	43	42	47	-	32	42	70	-	1.70	A	
◎		BT40AD/B-EZ32SR-090	111	90	63	42	49	-	32	52	90	-	1.90	A	

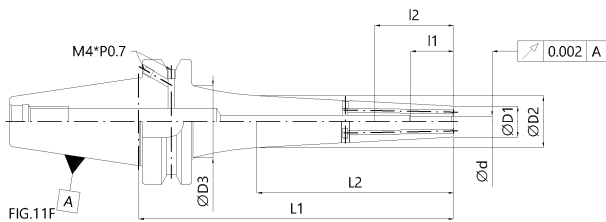
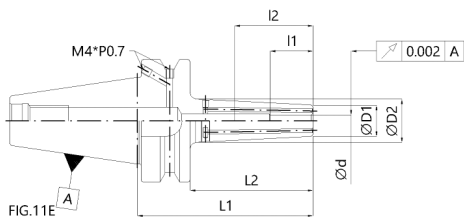
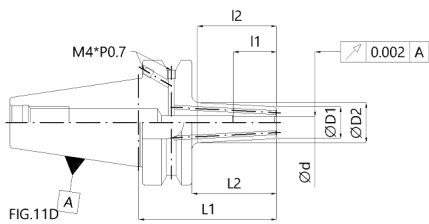
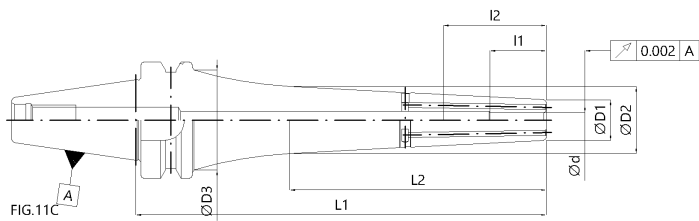
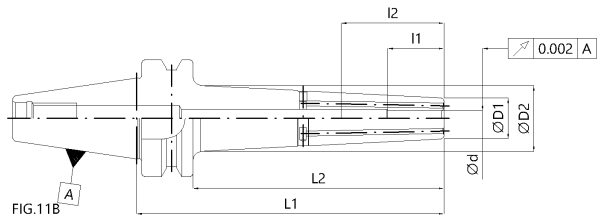
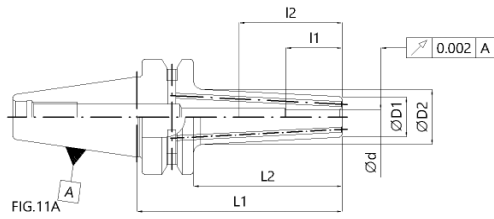
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

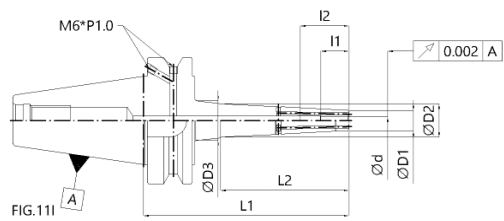
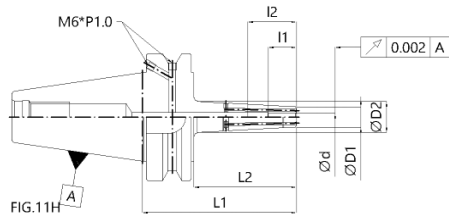
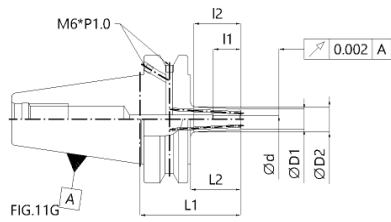
動平衡G2.5/30,000RPM-G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM-G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		BT30AD-EZ1/8"SR-3.15"	110	3.15"	2.28"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.60	A	
		BT30AD-EZ3/16"SR-3.15"	110	3.15"	2.28"	0.59"	0.83"	-	3/16"	0.55"	-	-	0.60	A	
		BT30AD-EZ1/4"SR-3.15"	110	3.15"	2.28"	0.65"	0.89"	-	1/4"	0.91"	-	-	0.70	A	
		BT30AD-EZ5/16"SR-3.15"	110	3.15"	2.28"	0.71"	0.95"	-	5/16"	1.06"	-	-	0.70	A	
		BT30AD-EZ3/8"SR-3.15"	110	3.15"	2.28"	0.77"	1.01"	-	3/8"	1.26"	2.36"	-	0.80	A	
		BT30AD-EZ7/16"SR-3.15"	110	3.15"	2.28"	0.84"	1.08"	-	7/16"	1.26"	2.36"	-	0.80	A	
		BT30AD-EZ1/2"SR-3.15"	110	3.15"	2.28"	0.90"	1.14"	-	1/2"	1.46"	3.15"	-	0.90	A	
		BT30AD-EZ5/8"SR-3.15"	110	3.15"	2.28"	1.02"	1.26"	-	5/8"	1.57"	3.15"	-	0.90	A	
		BT30AD-EZ3/4"SR-3.15"	110	3.15"	2.28"	1.15"	1.39"	-	3/4"	1.65"	3.15"	-	1.00	A	
		BT30AD-EZ7/8"SR-3.15"	110	3.15"	2.28"	1.27"	1.51"	-	7/8"	1.65"	3.15"	-	1.00	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		BT40AD/B-EZ1/8"SR-3.54"	111	3.54"	2.48"	0.52"	0.80"	-	1/8"	0.43"	-	-	1.10	A	
		BT40AD/B-EZ3/16"SR-3.54"	111	3.54"	2.48"	0.59"	0.87"	-	3/16"	0.55"	-	-	1.10	A	
		BT40AD/B-EZ1/4"SR-3.54"	111	3.54"	2.48"	0.65"	0.93"	-	1/4"	0.91"	-	-	1.20	A	
		BT40AD/B-EZ5/16"SR-3.54"	111	3.54"	2.48"	0.71"	0.99"	-	5/16"	1.06"	-	-	1.20	A	
		BT40AD/B-EZ3/8"SR-3.54"	111	3.54"	2.48"	0.77"	1.05"	-	3/8"	1.26"	-	-	1.30	A	
		BT40AD/B-EZ7/16"SR-3.54"	111	3.54"	2.48"	0.84"	1.12"	-	7/16"	1.26"	-	-	1.30	A	
		BT40AD/B-EZ1/2"SR-3.54"	111	3.54"	2.48"	0.90"	1.18"	-	1/2"	1.46"	-	-	1.40	A	
		BT40AD/B-EZ5/8"SR-3.54"	111	3.54"	2.48"	1.02"	1.30"	-	5/8"	1.57"	3.15"	-	1.40	A	
		BT40AD/B-EZ3/4"SR-3.54"	111	3.54"	2.48"	1.15"	1.43"	-	3/4"	1.65"	3.15"	-	1.50	A	
		BT40AD/B-EZ7/8"SR-3.54"	111	3.54"	2.48"	1.27"	1.55"	-	7/8"	1.65"	3.15"	-	1.50	A	
		BT40AD/B-EZ1"SR-3.54"	111	3.54"	2.48"	1.40"	1.68"	-	1"	1.89"	3.54"	-	1.90	A	
		BT40AD/B-EZ1 1/4"SR-3.54"	111	3.54"	2.48"	1.65"	1.93"	-	1 1/4"	2.05"	3.54"	-	1.90	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck





ezShrink EZSRKK // BT-EZSRKK

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose

動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
◎		BT30AD-EZ03SR-060KV	11A	60	38	13	17	-	3	11	-	-	0.40	A	
◎		BT30AD-EZ03SR-080KV	11A	80	58	13	19	-	3	11	-	-	0.60	A	
◎		BT30AD-EZ03SR-120KK	11B	120	98	13	23	-	3	11	-	-	1.00	A	
		BT30AD-EZ03SR-160KK	11C	160	100	13	24	37	3	11	-	-	1.40	A	
◎		BT30AD-EZ04SR-060KV	11A	60	38	14	18	-	4	14	-	-	0.40	A	
◎		BT30AD-EZ04SR-080KV	11A	80	58	14	20	-	4	14	-	-	0.60	A	
◎		BT30AD-EZ04SR-120KK	11B	120	98	14	24	-	4	14	-	-	1.00	A	
		BT30AD-EZ04SR-160KK	11C	160	100	14	25	38	4	14	-	-	1.40	A	
◎		BT30AD-EZ05SR-060KV	11A	60	38	15	19	-	5	17	-	-	0.40	A	
◎		BT30AD-EZ05SR-080KV	11A	80	58	15	21	-	5	17	-	-	0.60	A	
◎		BT30AD-EZ05SR-120KK	11B	120	98	15	25	-	5	17	-	-	1.00	A	
		BT30AD-EZ05SR-160KK	11C	160	100	15	26	39	5	17	-	-	1.40	A	
◎		BT30AD-EZ06SR-060KV	11A	60	38	16	20	-	6	23	-	-	0.50	A	
◎		BT30AD-EZ06SR-080KV	11A	80	58	16	22	-	6	23	-	-	0.70	A	
◎		BT30AD-EZ06SR-120KK	11B	120	98	16	26	-	6	23	-	-	1.10	A	
		BT30AD-EZ06SR-160KK	11C	160	100	16	27	40	6	23	-	-	1.50	A	
◎		BT30AD-EZ08SR-060KV	11A	60	38	18	22	-	8	27	-	-	0.50	A	
◎		BT30AD-EZ08SR-080KV	11A	80	58	18	24	-	8	27	-	-	0.70	A	
◎		BT30AD-EZ08SR-120KK	11B	120	98	18	28	-	8	27	-	-	1.10	A	
		BT30AD-EZ08SR-160KK	11C	160	100	18	29	41	8	27	-	-	1.50	A	
◎		BT30AD-EZ10SR-060KV	11A	60	38	20	24	-	10	32	60	-	0.60	A	
◎		BT30AD-EZ10SR-080KV	11A	80	58	20	26	-	10	32	60	-	0.80	A	
◎		BT30AD-EZ10SR-120KK	11B	120	98	20	30	-	10	32	60	-	1.20	A	
		BT30AD-EZ10SR-160KK	11C	160	100	20	31	42	10	32	60	-	1.60	A	
◎		BT30AD-EZ12SR-060KV	11A	60	38	22	26	-	12	37	60	-	0.60	A	
◎		BT30AD-EZ12SR-080KV	11A	80	58	22	28	-	12	37	60	-	0.80	A	
◎		BT30AD-EZ12SR-120KK	11B	120	98	22	32	-	12	37	60	-	1.20	A	
		BT30AD-EZ12SR-160KK	11C	160	100	22	33	43	12	37	60	-	1.60	A	
◎		BT30AD-EZ14SR-060KV	11A	60	38	24	28	-	14	37	60	-	0.70	A	
◎		BT30AD-EZ14SR-080KV	11A	80	58	24	30	-	14	37	80	-	0.90	A	
◎		BT30AD-EZ14SR-120KK	11B	120	98	24	34	-	14	37	80	-	1.30	A	
		BT30AD-EZ14SR-160KK	11C	160	100	24	35	43	14	37	80	-	1.70	A	
◎		BT30AD-EZ16SR-060KV	11A	60	38	26	30	-	16	37	60	-	0.70	A	
◎		BT30AD-EZ16SR-080KV	11A	80	58	26	32	-	16	40	80	-	0.90	A	
◎		BT30AD-EZ16SR-120KK	11B	120	98	26	36	-	16	40	80	-	1.30	A	
		BT30AD-EZ16SR-160KK	11C	160	100	26	37	43	16	40	80	-	1.70	A	
◎		BT30AD-EZ18SR-060KV	11A	60	38	28	32	-	18	37	60	-	0.80	A	
◎		BT30AD-EZ18SR-080KV	11A	80	58	28	34	-	18	40	80	-	1.00	A	
◎		BT30AD-EZ18SR-120KK	11B	120	98	28	38	-	18	40	80	-	1.40	A	
		BT30AD-EZ18SR-160KK	11B	160	138	28	43	-	18	40	80	-	1.80	A	
◎		BT30AD-EZ20SR-060KV	11A	60	38	30	34	-	20	37	60	-	0.90	A	
◎		BT30AD-EZ20SR-080KV	11A	80	58	30	36	-	20	42	80	-	1.00	A	
◎		BT30AD-EZ20SR-120KK	11B	120	98	30	40	-	20	42	80	-	1.40	A	
		BT30AD-EZ20SR-160KK	11B	160	138	30	45	-	20	42	80	-	1.80	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		BT40AD/B-EZ03SR-070KV	11D	70	43	13	18	-	3	11	-	-	0.90	A	
◎		BT40AD/B-EZ03SR-090KK	11E	90	63	13	20	-	3	11	-	-	1.10	A	
◎		BT40AD/B-EZ03SR-120KK	11E	120	93	13	23	-	3	11	-	-	1.40	A	
◎		BT40AD/B-EZ03SR-160KK	11F	160	100	13	24	34	3	11	-	-	1.80	A	
		BT40AD/B-EZ03SR-200KK	11F	200	100	13	24	40	3	11	-	-	2.20	A	
◎		BT40AD/B-EZ04SR-070KV	11D	70	43	14	19	-	4	14	-	-	0.90	A	
◎		BT40AD/B-EZ04SR-090KK	11E	90	63	14	21	-	4	14	-	-	1.10	A	
◎		BT40AD/B-EZ04SR-120KK	11E	120	93	14	24	-	4	14	-	-	1.40	A	
◎		BT40AD/B-EZ04SR-160KK	11F	160	100	14	25	35	4	14	-	-	1.80	A	
		BT40AD/B-EZ04SR-200KK	11F	200	100	14	25	41	4	14	-	-	2.20	A	
◎		BT40AD/B-EZ05SR-070KV	11D	70	43	15	20	-	5	17	-	-	0.90	A	
◎		BT40AD/B-EZ05SR-090KK	11E	90	63	15	22	-	5	17	-	-	1.10	A	
◎		BT40AD/B-EZ05SR-120KK	11E	120	93	15	25	-	5	17	-	-	1.40	A	
◎		BT40AD/B-EZ05SR-160KK	11F	160	100	15	26	36	5	17	-	-	1.80	A	
		BT40AD/B-EZ05SR-200KK	11F	200	100	15	26	42	5	17	-	-	2.20	A	
◎		BT40AD/B-EZ06SR-070KV	11D	70	43	16	21	-	6	23	-	-	1.00	A	
◎		BT40AD/B-EZ06SR-090KK	11E	90	63	16	23	-	6	23	-	-	1.20	A	
◎		BT40AD/B-EZ06SR-120KK	11E	120	93	16	26	-	6	23	-	-	1.50	A	
◎		BT40AD/B-EZ06SR-160KK	11F	160	100	16	27	37	6	23	-	-	1.90	A	
		BT40AD/B-EZ06SR-200KK	11F	200	100	16	27	43	6	23	-	-	2.30	A	
◎		BT40AD/B-EZ08SR-070KV	11D	70	43	18	23	-	8	27	-	-	1.00	A	
◎		BT40AD/B-EZ08SR-090KK	11E	90	63	18	25	-	8	27	-	-	1.20	A	
◎		BT40AD/B-EZ08SR-120KK	11E	120	93	18	28	-	8	27	-	-	1.50	A	
◎		BT40AD/B-EZ08SR-160KK	11F	160	100	18	29	38	8	27	-	-	1.90	A	
		BT40AD/B-EZ08SR-200KK	11F	200	100	18	29	44	8	27	-	-	2.30	A	
◎		BT40AD/B-EZ10SR-070KV	11D	70	43	20	25	-	10	32	-	-	1.10	A	
◎		BT40AD/B-EZ10SR-090KK	11E	90	63	20	27	-	10	32	-	-	1.30	A	
◎		BT40AD/B-EZ10SR-120KK	11E	120	93	20	30	-	10	32	-	-	1.60	A	
◎		BT40AD/B-EZ10SR-160KK	11F	160	100	20	31	40	10	32	-	-	2.00	A	
		BT40AD/B-EZ10SR-200KK	11F	200	100	20	31	44	10	32	-	-	2.40	A	
◎		BT40AD/B-EZ12SR-070KV	11D	70	43	22	27	-	12	37	-	-	1.10	A	
◎		BT40AD/B-EZ12SR-090KK	11E	90	63	22	29	-	12	37	-	-	1.30	A	
◎		BT40AD/B-EZ12SR-120KK	11E	120	93	22	32	-	12	37	-	-	1.60	A	
◎		BT40AD/B-EZ12SR-160KK	11F	160	100	22	33	40	12	37	-	-	2.00	A	
		BT40AD/B-EZ12SR-200KK	11F	200	100	22	33	44	12	37	-	-	2.40	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // BT-EZSRKK

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		BT40AD/B-EZ14SR-070KV	11D	70	43	24	29	-	14	37	70	-	1.20	A	
◎		BT40AD/B-EZ14SR-090KK	11E	90	63	24	31	-	14	37	80	-	1.40	A	
◎		BT40AD/B-EZ14SR-120KK	11E	120	93	24	34	-	14	37	80	-	1.70	A	
◎		BT40AD/B-EZ14SR-160KK	11F	160	100	24	35	41	14	37	80	-	2.10	A	
		BT40AD/B-EZ14SR-200KK	11E	200	173	24	42	-	14	37	80	-	2.50	A	
◎		BT40AD/B-EZ16SR-070KV	11D	70	43	26	31	-	16	40	70	-	1.20	A	
◎		BT40AD/B-EZ16SR-090KK	11E	90	63	26	33	-	16	40	80	-	1.40	A	
◎		BT40AD/B-EZ16SR-120KK	11E	120	93	26	36	-	16	40	80	-	1.70	A	
◎		BT40AD/B-EZ16SR-160KK	11F	160	100	26	37	42	16	40	80	-	2.10	A	
		BT40AD/B-EZ16SR-200KK	11E	200	173	26	44	-	16	40	80	-	2.50	A	
◎		BT40AD/B-EZ18SR-070KV	11D	70	43	28	33	-	18	40	70	-	1.30	A	
◎		BT40AD/B-EZ18SR-090KK	11E	90	63	28	35	-	18	40	80	-	1.50	A	
◎		BT40AD/B-EZ18SR-120KK	11E	120	93	28	38	-	18	40	80	-	1.80	A	
◎		BT40AD/B-EZ18SR-160KK	11E	160	133	28	42	-	18	40	80	-	2.20	A	
		BT40AD/B-EZ18SR-200KK	11E	200	173	28	46	-	18	40	80	-	2.60	A	
◎		BT40AD/B-EZ20SR-070KV	11D	70	43	30	35	-	20	42	70	-	1.30	A	
◎		BT40AD/B-EZ20SR-090KK	11E	90	63	30	37	-	20	42	80	-	1.50	A	
◎		BT40AD/B-EZ20SR-120KK	11E	120	93	30	40	-	20	42	80	-	1.80	A	
◎		BT40AD/B-EZ20SR-160KK	11E	160	133	30	44	-	20	42	80	-	2.20	A	
		BT40AD/B-EZ20SR-200KK	11E	200	173	30	48	-	20	42	80	-	2.60	A	
◎		BT40AD/B-EZ25SR-070KV	11D	70	43	35	40	-	25	42	70	-	1.70	A	
◎		BT40AD/B-EZ25SR-090KK	11E	90	63	35	42	-	25	48	90	-	1.90	A	
◎		BT40AD/B-EZ25SR-120KK	11E	120	93	35	45	-	25	48	100	-	2.20	A	
◎		BT40AD/B-EZ25SR-160KK	11E	160	133	35	49	-	25	48	100	-	2.60	A	
		BT40AD/B-EZ25SR-200KK	11E	200	173	35	53	-	25	48	100	-	3.00	A	
◎		BT40AD/B-EZ32SR-070KV	11D	70	43	42	47	-	32	42	70	-	1.70	A	
◎		BT40AD/B-EZ32SR-090KK	11E	90	63	42	49	-	32	52	90	-	1.90	A	
◎		BT40AD/B-EZ32SR-120KK	11E	120	93	42	52	-	32	52	100	-	2.20	A	
◎		BT40AD/B-EZ32SR-160KK	11E	160	133	42	56	-	32	52	100	-	2.60	A	
		BT40AD/B-EZ32SR-200KK	11E	200	173	42	60	-	32	52	100	-	3.00	A	

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動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		BT50AD/B-EZX03SR-080KV	11G	80	40	13	18	-	3	11	-	-	3.50	C	
◎		BT50AD/B-EZX03SR-100KV	11G	100	60	13	20	-	3	11	-	-	3.70	C	
◎		BT50AD/B-EZX03SR-120KK	11H	120	80	13	22	-	3	11	-	-	3.90	C	
◎		BT50AD/B-EZX03SR-160KK	11I	160	100	13	24	28	3	11	-	-	4.30	C	
		BT50AD/B-EZX03SR-200KK	11I	200	100	13	24	36	3	11	-	-	4.70	C	
		BT50AD/B-EZX04SR-080KV	11G	80	40	14	19	-	4	14	-	-	3.50	C	
◎		BT50AD/B-EZX04SR-100KV	11G	100	60	14	21	-	4	14	-	-	3.70	C	
◎		BT50AD/B-EZX04SR-120KK	11H	120	80	14	23	-	4	14	-	-	3.90	C	
◎		BT50AD/B-EZX04SR-160KK	11I	160	100	14	25	29	4	14	-	-	4.30	C	
		BT50AD/B-EZX04SR-200KK	11I	200	100	14	25	37	4	14	-	-	4.70	C	
		BT50AD/B-EZX05SR-080KV	11G	80	40	15	20	-	5	17	-	-	3.50	C	
◎		BT50AD/B-EZX05SR-100KV	11G	100	60	15	22	-	5	17	-	-	3.70	C	
◎		BT50AD/B-EZX05SR-120KK	11H	120	80	15	24	-	5	17	-	-	3.90	C	
◎		BT50AD/B-EZX05SR-160KK	11I	160	100	15	26	30	5	17	-	-	4.30	C	
		BT50AD/B-EZX05SR-200KK	11I	200	100	15	26	38	5	17	-	-	4.70	C	
		BT50AD/B-EZX06SR-080KV	11G	80	40	16	21	-	6	23	-	-	3.60	C	
◎		BT50AD/B-EZX06SR-100KV	11G	100	60	16	23	-	6	23	-	-	3.80	C	
◎		BT50AD/B-EZX06SR-120KK	11H	120	80	16	25	-	6	23	-	-	4.00	C	
◎		BT50AD/B-EZX06SR-160KK	11I	160	100	16	27	31	6	23	-	-	4.40	C	
		BT50AD/B-EZX06SR-200KK	11I	200	100	16	27	39	6	23	-	-	4.80	C	
		BT50AD/B-EZX08SR-080KV	11G	80	40	18	23	-	8	27	-	-	3.60	C	
◎		BT50AD/B-EZX08SR-100KV	11G	100	60	18	25	-	8	27	-	-	3.80	C	
◎		BT50AD/B-EZX08SR-120KK	11H	120	80	18	27	-	8	27	-	-	4.00	C	
◎		BT50AD/B-EZX08SR-160KK	11I	160	100	18	29	33	8	27	-	-	4.40	C	
		BT50AD/B-EZX08SR-200KK	11I	200	100	18	29	40	8	27	-	-	4.80	C	
		BT50AD/B-EZX10SR-080KV	11G	80	40	20	25	-	10	32	-	-	3.70	C	
◎		BT50AD/B-EZX10SR-100KV	11G	100	60	20	27	-	10	32	-	-	3.90	C	
◎		BT50AD/B-EZX10SR-120KK	11H	120	80	20	29	-	10	32	-	-	4.10	C	
◎		BT50AD/B-EZX10SR-160KK	11I	160	100	20	31	35	10	32	-	-	4.50	C	
		BT50AD/B-EZX10SR-200KK	11I	200	100	20	31	41	10	32	-	-	4.90	C	
		BT50AD/B-EZX12SR-080KV	11G	80	40	22	27	-	12	37	-	-	3.70	C	
◎		BT50AD/B-EZX12SR-100KV	11G	100	60	22	29	-	12	37	-	-	3.90	C	
◎		BT50AD/B-EZX12SR-120KK	11H	120	80	22	31	-	12	37	-	-	4.10	C	
◎		BT50AD/B-EZX12SR-160KK	11I	160	100	22	33	36	12	37	-	-	4.50	C	
		BT50AD/B-EZX12SR-200KK	11I	200	100	22	33	42	12	37	-	-	4.90	C	

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動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		BT50AD/B-EZX14SR-080KV	11G	80	40	24	29	-	14	37	-	-	3.80	C	
	◎	BT50AD/B-EZX14SR-100KV	11G	100	60	24	31	-	14	37	-	-	4.00	C	
	◎	BT50AD/B-EZX14SR-120KK	11H	120	80	24	33	-	14	37	-	-	4.20	C	
	◎	BT50AD/B-EZX14SR-160KK	11I	160	100	24	35	38	14	37	-	-	4.60	C	
		BT50AD/B-EZX14SR-200KK	11H	200	160	24	41	-	14	37	-	-	5.00	C	
		BT50AD/B-EZX16SR-080KV	11G	80	40	26	31	-	16	39	-	-	3.80	C	
	◎	BT50AD/B-EZX16SR-100KV	11G	100	60	26	33	-	16	40	-	-	4.00	C	
	◎	BT50AD/B-EZX16SR-120KK	11H	120	80	26	35	-	16	40	-	-	4.20	C	
	◎	BT50AD/B-EZX16SR-160KK	11I	160	100	26	37	40	16	40	-	-	4.60	C	
		BT50AD/B-EZX16SR-200KK	11H	200	160	26	43	-	16	40	-	-	5.00	C	
		BT50AD/B-EZX18SR-080KV	11G	80	40	28	33	-	18	39	-	-	3.90	C	
	◎	BT50AD/B-EZX18SR-100KV	11G	100	60	28	35	-	18	40	-	-	4.10	C	
	◎	BT50AD/B-EZX18SR-120KK	11H	120	80	28	37	-	18	40	-	-	4.30	C	
	◎	BT50AD/B-EZX18SR-160KK	11H	160	120	28	41	-	18	40	-	-	4.70	C	
		BT50AD/B-EZX18SR-200KK	11H	200	160	28	45	-	18	40	-	-	5.10	C	
		BT50AD/B-EZX20SR-080KV	11G	80	40	30	35	-	20	39	-	-	3.90	C	
	◎	BT50AD/B-EZX20SR-100KV	11G	100	60	30	37	-	20	42	-	-	4.10	C	
	◎	BT50AD/B-EZX20SR-120KK	11H	120	80	30	39	-	20	42	-	-	4.30	C	
	◎	BT50AD/B-EZX20SR-160KK	11H	160	120	30	43	-	20	42	-	-	4.70	C	
		BT50AD/B-EZX20SR-200KK	11H	200	160	30	47	-	20	42	-	-	5.10	C	
		BT50AD/B-EZ25SR-080KV	11D	80	42	35	40	-	25	41	80	-	4.30	C	
	◎	BT50AD/B-EZ25SR-100KK	11E	100	62	35	42	-	25	48	100	-	4.50	C	
	◎	BT50AD/B-EZ25SR-120KK	11E	120	82	35	44	-	25	48	100	-	4.70	C	
	◎	BT50AD/B-EZ25SR-160KK	11E	160	122	35	48	-	25	48	100	-	5.10	C	
		BT50AD/B-EZ25SR-200KK	11E	200	162	35	52	-	25	48	100	-	5.50	C	
		BT50AD/B-EZ32SR-080KV	11D	80	42	42	47	-	32	41	80	-	4.30	C	
	◎	BT50AD/B-EZ32SR-100KK	11E	100	62	42	49	-	32	52	100	-	4.50	C	
	◎	BT50AD/B-EZ32SR-120KK	11E	120	82	42	51	-	32	52	100	-	4.70	C	
	◎	BT50AD/B-EZ32SR-160KK	11E	160	122	42	55	-	32	52	100	-	5.10	C	
		BT50AD/B-EZ32SR-200KK	11E	200	162	42	59	-	32	52	100	-	5.50	C	

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動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		BT30AD-EZ1/8"SR-2.36"KV	11A	2.36"	1.50"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.40	A	
		BT30AD-EZ1/8"SR-3.15"KV	11A	3.15"	2.28"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.60	A	
		BT30AD-EZ1/8"SR-4.72"KK	11B	4.72"	3.86"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.00	A	
		BT30AD-EZ1/8"SR-6.30"KK	11C	6.30"	3.94"	0.52"	0.96"	1.48"	1/8"	0.43"	-	-	1.40	A	
		BT30AD-EZ3/16"SR-2.36"KV	11A	2.36"	1.50"	0.59"	0.75"	-	3/16"	0.55"	-	-	0.40	A	
		BT30AD-EZ3/16"SR-3.15"KV	11A	3.15"	2.28"	0.59"	0.83"	-	3/16"	0.55"	-	-	0.60	A	
		BT30AD-EZ3/16"SR-4.72"KK	11B	4.72"	3.86"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.00	A	
		BT30AD-EZ3/16"SR-6.30"KK	11C	6.30"	3.94"	0.59"	1.03"	1.55"	3/16"	0.55"	-	-	1.40	A	
		BT30AD-EZ1/4"SR-2.36"KV	11A	2.36"	1.50"	0.65"	0.81"	-	1/4"	0.91"	-	-	0.50	A	
		BT30AD-EZ1/4"SR-3.15"KV	11A	3.15"	2.28"	0.65"	0.89"	-	1/4"	0.91"	-	-	0.70	A	
		BT30AD-EZ1/4"SR-4.72"KK	11B	4.72"	3.86"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.10	A	
		BT30AD-EZ1/4"SR-6.30"KK	11C	6.30"	3.94"	0.65"	1.09"	1.61"	1/4"	0.91"	-	-	1.50	A	
		BT30AD-EZ5/16"SR-2.36"KV	11A	2.36"	1.50"	0.71"	0.87"	-	5/16"	1.06"	-	-	0.50	A	
		BT30AD-EZ5/16"SR-3.15"KV	11A	3.15"	2.28"	0.71"	0.95"	-	5/16"	1.06"	-	-	0.70	A	
		BT30AD-EZ5/16"SR-4.72"KK	11B	4.72"	3.86"	0.71"	1.11"	-	5/16"	1.06"	-	-	1.10	A	
		BT30AD-EZ5/16"SR-6.30"KK	11C	6.30"	3.94"	0.71"	1.15"	1.63"	5/16"	1.06"	-	-	1.50	A	
		BT30AD-EZ3/8"SR-2.36"KV	11A	2.36"	1.50"	0.77"	0.93"	-	3/8"	1.26"	2.36"	-	0.60	A	
		BT30AD-EZ3/8"SR-3.15"KV	11A	3.15"	2.28"	0.77"	1.01"	-	3/8"	1.26"	2.36"	-	0.80	A	
		BT30AD-EZ3/8"SR-4.72"KK	11B	4.72"	3.86"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.20	A	
		BT30AD-EZ3/8"SR-6.30"KK	11C	6.30"	3.94"	0.77"	1.21"	1.65"	3/8"	1.26"	2.36"	-	1.60	A	
		BT30AD-EZ7/16"SR-2.36"KV	11A	2.36"	1.50"	0.84"	1.00"	-	7/16"	1.26"	2.36"	-	0.60	A	
		BT30AD-EZ7/16"SR-3.15"KV	11A	3.15"	2.28"	0.84"	1.08"	-	7/16"	1.26"	2.36"	-	0.80	A	
		BT30AD-EZ7/16"SR-4.72"KK	11B	4.72"	3.86"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.20	A	
		BT30AD-EZ7/16"SR-6.30"KK	11C	6.30"	3.94"	0.84"	1.28"	1.68"	7/16"	1.26"	2.36"	-	1.60	A	
		BT30AD-EZ1/2"SR-2.36"KV	11A	2.36"	1.50"	0.90"	1.06"	-	1/2"	1.46"	2.36"	-	0.70	A	
		BT30AD-EZ1/2"SR-3.15"KV	11A	3.15"	2.28"	0.90"	1.14"	-	1/2"	1.46"	3.15"	-	0.90	A	
		BT30AD-EZ1/2"SR-4.72"KK	11B	4.72"	3.86"	0.90"	1.30"	-	1/2"	1.46"	3.15"	-	1.30	A	
		BT30AD-EZ1/2"SR-6.30"KK	11C	6.30"	3.94"	0.90"	1.34"	1.66"	1/2"	1.46"	3.15"	-	1.70	A	
		BT30AD-EZ5/8"SR-2.36"KV	11A	2.36"	1.50"	1.02"	1.18"	-	5/8"	1.46"	2.36"	-	0.70	A	
		BT30AD-EZ5/8"SR-3.15"KV	11A	3.15"	2.28"	1.02"	1.26"	-	5/8"	1.57"	3.15"	-	0.90	A	
		BT30AD-EZ5/8"SR-4.72"KK	11B	4.72"	3.86"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.30	A	
		BT30AD-EZ5/8"SR-6.30"KK	11C	6.30"	3.94"	1.02"	1.46"	1.70"	5/8"	1.57"	3.15"	-	1.70	A	
		BT30AD-EZ3/4"SR-2.36"KV	11A	2.36"	1.50"	1.15"	1.31"	-	3/4"	1.46"	2.36"	-	0.80	A	
		BT30AD-EZ3/4"SR-3.15"KV	11A	3.15"	2.28"	1.15"	1.39"	-	3/4"	1.65"	3.15"	-	1.00	A	
		BT30AD-EZ3/4"SR-4.72"KK	11B	4.72"	3.86"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.40	A	
		BT30AD-EZ3/4"SR-6.30"KK	11B	6.30"	5.43"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	1.80	A	
		BT30AD-EZ7/8"SR-2.36"KV	11A	2.36"	1.50"	1.27"	1.43"	-	7/8"	1.46"	2.36"	-	0.80	A	
		BT30AD-EZ7/8"SR-3.15"KV	11A	3.15"	2.28"	1.27"	1.51"	-	7/8"	1.65"	3.15"	-	1.00	A	
		BT30AD-EZ7/8"SR-4.72"KK	11B	4.72"	3.86"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	1.40	A	
		BT30AD-EZ7/8"SR-6.30"KK	11B	6.30"	5.43"	1.27"	1.74"	-	7/8"	1.65"	3.15"	-	1.80	A	

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // BT-EZSRKK inch

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		BT40AD/B-EZ1/8"SR-2.76"KV	11D	2.76"	1.69"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.90	A	
		BT40AD/B-EZ1/8"SR-3.54"KK	11E	3.54"	2.48"	0.52"	0.80"	-	1/8"	0.43"	-	-	1.10	A	
		BT40AD/B-EZ1/8"SR-4.72"KK	11E	4.72"	3.66"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.40	A	
		BT40AD/B-EZ1/8"SR-6.30"KK	11F	6.30"	3.94"	0.52"	0.96"	1.36"	1/8"	0.43"	-	-	1.80	A	
		BT40AD/B-EZ1/8"SR-7.87"KK	11F	7.87"	3.94"	0.52"	0.96"	1.60"	1/8"	0.43"	-	-	2.20	A	
		BT40AD/B-EZ3/16"SR-2.76"KV	11D	2.76"	1.69"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.90	A	
		BT40AD/B-EZ3/16"SR-3.54"KK	11E	3.54"	2.48"	0.59"	0.87"	-	3/16"	0.55"	-	-	1.10	A	
		BT40AD/B-EZ3/16"SR-4.72"KK	11E	4.72"	3.66"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.40	A	
		BT40AD/B-EZ3/16"SR-6.30"KK	11F	6.30"	3.94"	0.59"	1.03"	1.43"	3/16"	0.55"	-	-	1.80	A	
		BT40AD/B-EZ3/16"SR-7.87"KK	11F	7.87"	3.94"	0.59"	1.03"	1.67"	3/16"	0.55"	-	-	2.20	A	
		BT40AD/B-EZ1/4"SR-2.76"KV	11D	2.76"	1.69"	0.65"	0.85"	-	1/4"	0.91"	-	-	1.00	A	
		BT40AD/B-EZ1/4"SR-3.54"KK	11E	3.54"	2.48"	0.65"	0.93"	-	1/4"	0.91"	-	-	1.20	A	
		BT40AD/B-EZ1/4"SR-4.72"KK	11E	4.72"	3.66"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.50	A	
		BT40AD/B-EZ1/4"SR-6.30"KK	11F	6.30"	3.94"	0.65"	1.09"	1.49"	1/4"	0.91"	-	-	1.90	A	
		BT40AD/B-EZ1/4"SR-7.87"KK	11F	7.87"	3.94"	0.65"	1.09"	1.73"	1/4"	0.91"	-	-	2.30	A	
		BT40AD/B-EZ5/16"SR-2.76"KV	11D	2.76"	1.69"	0.71"	0.91"	-	5/16"	1.06"	-	-	1.00	A	
		BT40AD/B-EZ5/16"SR-3.54"KK	11E	3.54"	2.48"	0.71"	0.99"	-	5/16"	1.06"	-	-	1.20	A	
		BT40AD/B-EZ5/16"SR-4.72"KK	11E	4.72"	3.66"	0.71"	1.11"	-	5/16"	1.06"	-	-	1.50	A	
		BT40AD/B-EZ5/16"SR-6.30"KK	11F	6.30"	3.94"	0.71"	1.15"	1.51"	5/16"	1.06"	-	-	1.90	A	
		BT40AD/B-EZ5/16"SR-7.87"KK	11F	7.87"	3.94"	0.71"	1.15"	1.75"	5/16"	1.06"	-	-	2.30	A	
		BT40AD/B-EZ3/8"SR-2.76"KV	11D	2.76"	1.69"	0.77"	0.97"	-	3/8"	1.26"	-	-	1.10	A	
		BT40AD/B-EZ3/8"SR-3.54"KK	11E	3.54"	2.48"	0.77"	1.05"	-	3/8"	1.26"	-	-	1.30	A	
		BT40AD/B-EZ3/8"SR-4.72"KK	11E	4.72"	3.66"	0.77"	1.17"	-	3/8"	1.26"	-	-	1.60	A	
		BT40AD/B-EZ3/8"SR-6.30"KK	11F	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	-	-	2.00	A	
		BT40AD/B-EZ3/8"SR-7.87"KK	11F	7.87"	3.94"	0.77"	1.21"	1.73"	3/8"	1.26"	-	-	2.40	A	
		BT40AD/B-EZ7/16"SR-2.76"KV	11D	2.76"	1.69"	0.84"	1.04"	-	7/16"	1.26"	-	-	1.10	A	
		BT40AD/B-EZ7/16"SR-3.54"KK	11E	3.54"	2.48"	0.84"	1.12"	-	7/16"	1.26"	-	-	1.30	A	
		BT40AD/B-EZ7/16"SR-4.72"KK	11E	4.72"	3.66"	0.84"	1.24"	-	7/16"	1.26"	-	-	1.60	A	
		BT40AD/B-EZ7/16"SR-6.30"KK	11F	6.30"	3.94"	0.84"	1.28"	1.56"	7/16"	1.26"	-	-	2.00	A	
		BT40AD/B-EZ7/16"SR-7.87"KK	11F	7.87"	3.94"	0.84"	1.28"	1.72"	7/16"	1.26"	-	-	2.40	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		BT40AD/B-EZ1/2"SR-2.76"KV	11D	2.76"	1.69"	0.90"	1.10"	-	1/2"	1.46"	-	-	1.20	A	
		BT40AD/B-EZ1/2"SR-3.54"KK	11E	3.54"	2.48"	0.90"	1.18"	-	1/2"	1.46"	-	-	1.40	A	
		BT40AD/B-EZ1/2"SR-4.72"KK	11E	4.72"	3.66"	0.90"	1.30"	-	1/2"	1.46"	-	-	1.70	A	
		BT40AD/B-EZ1/2"SR-6.30"KK	11F	6.30"	3.94"	0.90"	1.34"	1.58"	1/2"	1.46"	-	-	2.10	A	
		BT40AD/B-EZ1/2"SR-7.87"KK	11E	7.87"	6.81"	0.90"	1.74"	-	1/2"	1.46"	-	-	2.50	A	
		BT40AD/B-EZ5/8"SR-2.76"KV	11D	2.76"	1.69"	1.02"	1.22"	-	5/8"	1.57"	2.76"	-	1.20	A	
		BT40AD/B-EZ5/8"SR-3.54"KK	11E	3.54"	2.48"	1.02"	1.30"	-	5/8"	1.57"	3.15"	-	1.40	A	
		BT40AD/B-EZ5/8"SR-4.72"KK	11E	4.72"	3.66"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.70	A	
		BT40AD/B-EZ5/8"SR-6.30"KK	11F	6.30"	3.94"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	2.10	A	
		BT40AD/B-EZ5/8"SR-7.87"KK	11E	7.87"	6.81"	1.02"	1.74"	-	5/8"	1.57"	3.15"	-	2.50	A	
		BT40AD/B-EZ3/4"SR-2.76"KV	11D	2.76"	1.69"	1.15"	1.35"	-	3/4"	1.65"	2.76"	-	1.30	A	
		BT40AD/B-EZ3/4"SR-3.54"KK	11E	3.54"	2.48"	1.15"	1.43"	-	3/4"	1.65"	3.15"	-	1.50	A	
		BT40AD/B-EZ3/4"SR-4.72"KK	11E	4.72"	3.66"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.80	A	
		BT40AD/B-EZ3/4"SR-6.30"KK	11E	6.30"	5.24"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	2.20	A	
		BT40AD/B-EZ3/4"SR-7.87"KK	11E	7.87"	6.81"	1.15"	1.87"	-	3/4"	1.65"	3.15"	-	2.60	A	
		BT40AD/B-EZ7/8"SR-2.76"KV	11D	2.76"	1.69"	1.27"	1.47"	-	7/8"	1.65"	2.76"	-	1.30	A	
		BT40AD/B-EZ7/8"SR-3.54"KK	11E	3.54"	2.48"	1.27"	1.55"	-	7/8"	1.65"	3.15"	-	1.50	A	
		BT40AD/B-EZ7/8"SR-4.72"KK	11E	4.72"	3.66"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	1.80	A	
		BT40AD/B-EZ7/8"SR-6.30"KK	11E	6.30"	5.24"	1.27"	1.83"	-	7/8"	1.65"	3.15"	-	2.20	A	
		BT40AD/B-EZ7/8"SR-7.87"KK	11E	7.87"	6.81"	1.27"	1.99"	-	7/8"	1.65"	3.15"	-	2.60	A	
		BT40AD/B-EZ1"SR-2.76"KV	11D	2.76"	1.69"	1.40"	1.60"	-	1"	1.65"	2.76"	-	1.70	A	
		BT40AD/B-EZ1"SR-3.54"KK	11E	3.54"	2.48"	1.40"	1.68"	-	1"	1.89"	3.54"	-	1.90	A	
		BT40AD/B-EZ1"SR-4.72"KK	11E	4.72"	3.66"	1.40"	1.80"	-	1"	1.89"	3.94"	-	2.20	A	
		BT40AD/B-EZ1"SR-6.30"KK	11E	6.30"	5.24"	1.40"	1.96"	-	1"	1.89"	3.94"	-	2.60	A	
		BT40AD/B-EZ1"SR-7.87"KK	11E	7.87"	6.81"	1.40"	2.12"	-	1"	1.89"	3.94"	-	3.00	A	
		BT40AD/B-EZ1 1/4"SR-2.76"KV	11D	2.76"	1.69"	1.65"	1.85"	-	1 1/4"	1.65"	2.76"	-	1.70	A	
		BT40AD/B-EZ1 1/4"SR-3.54"KK	11E	3.54"	2.48"	1.65"	1.93"	-	1 1/4"	2.05"	3.54"	-	1.90	A	
		BT40AD/B-EZ1 1/4"SR-4.72"KK	11E	4.72"	3.66"	1.65"	2.05"	-	1 1/4"	2.05"	3.94"	-	2.20	A	
		BT40AD/B-EZ1 1/4"SR-6.30"KK	11E	6.30"	5.24"	1.65"	2.21"	-	1 1/4"	2.05"	3.94"	-	2.60	A	
		BT40AD/B-EZ1 1/4"SR-7.87"KK	11E	7.87"	6.81"	1.65"	2.37"	-	1 1/4"	2.05"	3.94"	-	3.00	A	

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ezShrink EZSRKK // BT-EZSRKK inch

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結刀柄-英制

ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		BT50AD-EZX1/8"SR-3.15"KV	11G	3.15"	1.57"	0.52"	0.72"	-	1/8"	0.43"	-	-	3.50	C	
		BT50AD-EZX1/8"SR-3.94"KV	11G	3.94"	2.36"	0.52"	0.80"	-	1/8"	0.43"	-	-	3.70	C	
		BT50AD-EZX1/8"SR-4.72"KK	11H	4.72"	3.15"	0.52"	0.88"	-	1/8"	0.43"	-	-	3.90	C	
		BT50AD-EZX1/8"SR-6.30"KK	11I	6.30"	3.94"	0.52"	0.96"	1.12"	1/8"	0.43"	-	-	4.30	C	
		BT50AD-EZX1/8"SR-7.87"KK	11I	7.87"	3.94"	0.52"	0.96"	1.44"	1/8"	0.43"	-	-	4.70	C	
		BT50AD-EZX3/16"SR-3.15"KV	11G	3.15"	1.57"	0.59"	0.79"	-	3/16"	0.55"	-	-	3.50	C	
		BT50AD-EZX3/16"SR-3.94"KV	11G	3.94"	2.36"	0.59"	0.87"	-	3/16"	0.55"	-	-	3.70	C	
		BT50AD-EZX3/16"SR-4.72"KK	11H	4.72"	3.15"	0.59"	0.95"	-	3/16"	0.55"	-	-	3.90	C	
		BT50AD-EZX3/16"SR-6.30"KK	11I	6.30"	3.94"	0.59"	1.03"	1.17"	3/16"	0.55"	-	-	4.30	C	
		BT50AD-EZX3/16"SR-7.87"KK	11I	7.87"	3.94"	0.59"	1.03"	1.51"	3/16"	0.55"	-	-	4.70	C	
		BT50AD-EZX1/4"SR-3.15"KV	11G	3.15"	1.57"	0.65"	0.85"	-	1/4"	0.91"	-	-	3.60	C	
		BT50AD-EZX1/4"SR-3.94"KV	11G	3.94"	2.36"	0.65"	0.93"	-	1/4"	0.91"	-	-	3.80	C	
		BT50AD-EZX1/4"SR-4.72"KK	11H	4.72"	3.15"	0.65"	1.01"	-	1/4"	0.91"	-	-	4.00	C	
		BT50AD-EZX1/4"SR-6.30"KK	11I	6.30"	3.94"	0.65"	1.09"	1.25"	1/4"	0.91"	-	-	4.40	C	
		BT50AD-EZX1/4"SR-7.87"KK	11I	7.87"	3.94"	0.65"	1.09"	1.57"	1/4"	0.91"	-	-	4.80	C	
		BT50AD-EZX5/16"SR-3.15"KV	11G	3.15"	1.57"	0.71"	0.91"	-	5/16"	1.06"	-	-	3.60	C	
		BT50AD-EZX5/16"SR-3.94"KV	11G	3.94"	2.36"	0.71"	0.99"	-	5/16"	1.06"	-	-	3.80	C	
		BT50AD-EZX5/16"SR-4.72"KK	11H	4.72"	3.15"	0.71"	1.07"	-	5/16"	1.06"	-	-	4.00	C	
		BT50AD-EZX5/16"SR-6.30"KK	11I	6.30"	3.94"	0.71"	1.15"	1.31"	5/16"	1.06"	-	-	4.40	C	
		BT50AD-EZX5/16"SR-7.87"KK	11I	7.87"	3.94"	0.71"	1.15"	1.59"	5/16"	1.06"	-	-	4.80	C	
		BT50AD-EZX3/8"SR-3.15"KV	11G	3.15"	1.57"	0.77"	0.97"	-	3/8"	1.26"	-	-	3.70	C	
		BT50AD-EZX3/8"SR-3.94"KV	11G	3.94"	2.36"	0.77"	1.05"	-	3/8"	1.26"	-	-	3.90	C	
		BT50AD-EZX3/8"SR-4.72"KK	11H	4.72"	3.15"	0.77"	1.13"	-	3/8"	1.26"	-	-	4.10	C	
		BT50AD-EZX3/8"SR-6.30"KK	11I	6.30"	3.94"	0.77"	1.21"	1.37"	3/8"	1.26"	-	-	4.50	C	
		BT50AD-EZX3/8"SR-7.87"KK	11I	7.87"	3.94"	0.77"	1.21"	1.61"	3/8"	1.26"	-	-	4.90	C	
		BT50AD-EZX7/16"SR-3.15"KV	11G	3.15"	1.57"	0.84"	1.04"	-	7/16"	1.26"	-	-	3.70	C	
		BT50AD-EZX7/16"SR-3.94"KV	11G	3.94"	2.36"	0.84"	1.12"	-	7/16"	1.26"	-	-	3.90	C	
		BT50AD-EZX7/16"SR-4.72"KK	11H	4.72"	3.15"	0.84"	1.20"	-	7/16"	1.26"	-	-	4.10	C	
		BT50AD-EZX7/16"SR-6.30"KK	11I	6.30"	3.94"	0.84"	1.28"	1.40"	7/16"	1.26"	-	-	4.50	C	
		BT50AD-EZX7/16"SR-7.87"KK	11I	7.87"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	-	-	4.90	C	

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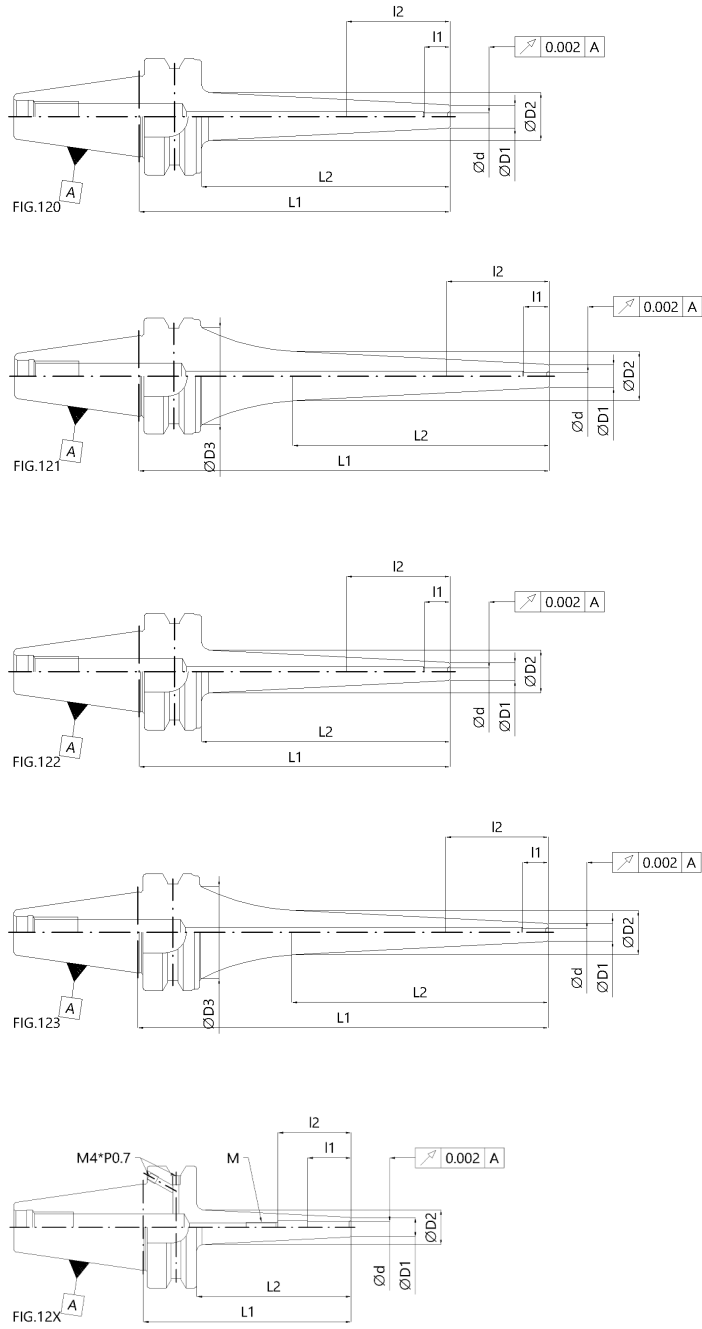
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

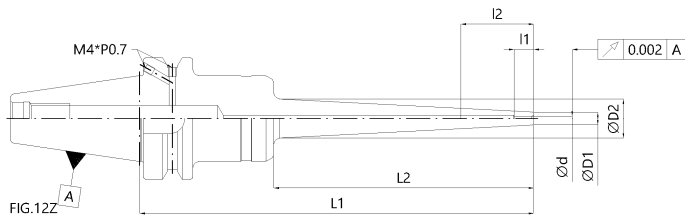
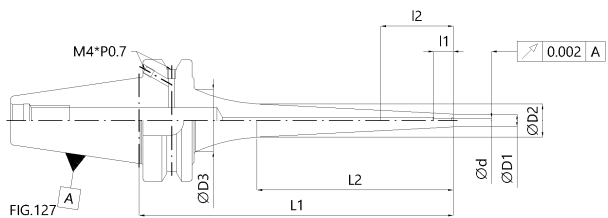
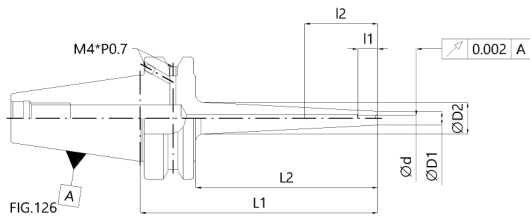
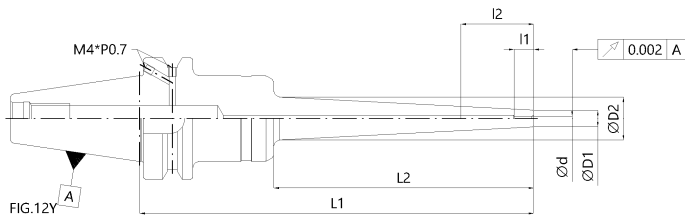
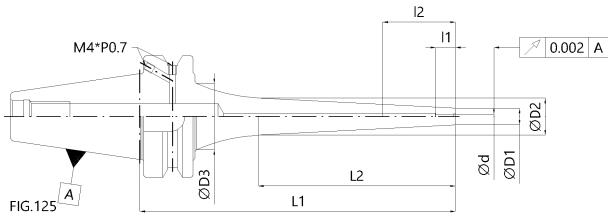
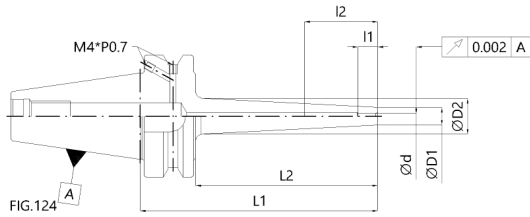
動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		BT50AD/B-EZX1/2"SR-3.15"KV	11G	3.15"	1.57"	0.90"	1.10"	-	1/2"	1.46"	-	-	3.80	C	
		BT50AD/B-EZX1/2"SR-3.94"KV	11G	3.94"	2.36"	0.90"	1.18"	-	1/2"	1.46"	-	-	4.00	C	
		BT50AD/B-EZX1/2"SR-4.72"KK	11H	4.72"	3.15"	0.90"	1.26"	-	1/2"	1.46"	-	-	4.20	C	
		BT50AD/B-EZX1/2"SR-6.30"KK	11I	6.30"	3.94"	0.90"	1.34"	1.46"	1/2"	1.46"	-	-	4.60	C	
		BT50AD/B-EZX1/2"SR-7.87"KK	11H	7.87"	6.30"	0.90"	1.58"	-	1/2"	1.46"	-	-	5.00	C	
		BT50AD/B-EZX5/8"SR-3.15"KV	11G	3.15"	1.57"	1.02"	1.22"	-	5/8"	1.54"	-	-	3.80	C	
		BT50AD/B-EZX5/8"SR-3.94"KV	11G	3.94"	2.36"	1.02"	1.30"	-	5/8"	1.57"	-	-	4.00	C	
		BT50AD/B-EZX5/8"SR-4.72"KK	11H	4.72"	3.15"	1.02"	1.38"	-	5/8"	1.57"	-	-	4.20	C	
		BT50AD/B-EZX5/8"SR-6.30"KK	11I	6.30"	3.94"	1.02"	1.46"	1.58"	5/8"	1.57"	-	-	4.60	C	
		BT50AD/B-EZX5/8"SR-7.87"KK	11H	7.87"	6.30"	1.02"	1.70"	-	5/8"	1.57"	-	-	5.00	C	
		BT50AD/B-EZX3/4"SR-3.15"KV	11G	3.15"	1.57"	1.15"	1.35"	-	3/4"	1.54"	-	-	3.90	C	
		BT50AD/B-EZX3/4"SR-3.94"KV	11G	3.94"	2.36"	1.15"	1.43"	-	3/4"	1.65"	-	-	4.10	C	
		BT50AD/B-EZX3/4"SR-4.72"KK	11H	4.72"	3.15"	1.15"	1.51"	-	3/4"	1.65"	-	-	4.50	C	
		BT50AD/B-EZX3/4"SR-6.30"KK	11H	6.30"	4.72"	1.15"	1.67"	-	3/4"	1.65"	-	-	4.70	C	
		BT50AD/B-EZX3/4"SR-7.87"KK	11H	7.87"	6.30"	1.15"	1.83"	-	3/4"	1.65"	-	-	5.10	C	
		BT50AD/B-EZX7/8"SR-3.15"KV	11G	3.15"	1.57"	1.27"	1.47"	-	7/8"	1.54"	3.15"	-	3.90	C	
		BT50AD/B-EZX7/8"SR-3.94"KV	11G	3.94"	2.36"	1.27"	1.55"	-	7/8"	1.65"	3.15"	-	4.10	C	
		BT50AD/B-EZX7/8"SR-4.72"KK	11H	4.72"	3.15"	1.27"	1.63"	-	7/8"	1.65"	3.15"	-	4.30	C	
		BT50AD/B-EZX7/8"SR-6.30"KK	11H	6.30"	4.72"	1.27"	1.79"	-	7/8"	1.65"	3.15"	-	4.70	C	
		BT50AD/B-EZX7/8"SR-7.87"KK	11H	7.87"	6.30"	1.27"	1.95"	-	7/8"	1.65"	3.15"	-	5.10	C	
		BT50AD/B-EZ1"SR-3.15"KV	11D	3.15"	1.65"	1.40"	1.60"	-	1"	1.61"	3.15"	-	4.30	C	
		BT50AD/B-EZ1"SR-3.94"KK	11E	3.94"	2.44"	1.40"	1.68"	-	1"	1.89"	3.94"	-	4.50	C	
		BT50AD/B-EZ1"SR-4.72"KK	11E	4.72"	3.23"	1.40"	1.76"	-	1"	1.89"	3.94"	-	4.70	C	
		BT50AD/B-EZ1"SR-6.30"KK	11E	6.30"	4.80"	1.40"	1.92"	-	1"	1.89"	3.94"	-	5.10	C	
		BT50AD/B-EZ1"SR-7.87"KK	11E	7.87"	6.38"	1.40"	2.08"	-	1"	1.89"	3.94"	-	5.50	C	
		BT50AD/B-EZ1 1/4"SR-3.15"KV	11D	3.15"	1.65"	1.65"	1.85"	-	1 1/4"	1.61"	3.15"	-	4.30	C	
		BT50AD/B-EZ1 1/4"SR-3.94"KK	11E	3.94"	2.44"	1.65"	1.93"	-	1 1/4"	2.05"	3.94"	-	4.50	C	
		BT50AD/B-EZ1 1/4"SR-4.72"KK	11E	4.72"	3.23"	1.65"	2.01"	-	1 1/4"	2.05"	3.94"	-	4.70	C	
		BT50AD/B-EZ1 1/4"SR-6.30"KK	11E	6.30"	4.80"	1.65"	2.17"	-	1 1/4"	2.05"	3.94"	-	5.10	C	
		BT50AD/B-EZ1 1/4"SR-7.87"KK	11E	7.87"	6.38"	1.65"	2.33"	-	1 1/4"	2.05"	3.94"	-	5.50	C	

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck





ezShrink EZSS & EZSSU // BT-EZSS & BT-EZSSU

ezShrink SlimSuper & SlimSuperUltra 超細型與極細型熱膨脹燒結刀柄
ezShrink SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	◎	BT30AD-EZ03SS-120	120	120	96	9	19	-	3	11	-	-	0.90	A	
		BT30AD-EZ03SS-160	121	160	100	9	20	39	3	11	-	-	1.30	A	
	◎	BT30AD-EZ04SS-120	120	120	96	10	20	-	4	14	-	-	0.90	A	
		BT30AD-EZ04SS-160	121	160	100	10	21	40	4	14	-	-	1.30	A	
	◎	BT30AD-EZ05SS-120	120	120	96	11	21	-	5	17	-	-	0.90	A	
		BT30AD-EZ05SS-160	121	160	100	11	22	41	5	17	-	-	1.30	A	
	◎	BT30AD-EZ06SS-120	120	120	96	12	22	-	6	23	-	-	1.00	A	
		BT30AD-EZ06SS-160	121	160	100	12	23	42	6	23	-	-	1.40	A	
	◎	BT30AD-EZ08SS-120	120	120	96	14	24	-	8	27	-	-	1.00	A	
		BT30AD-EZ08SS-160	121	160	100	14	25	42	8	27	-	-	1.40	A	
	◎	BT30AD-EZ10SS-120	120	120	96	16	26	-	10	32	60	-	1.10	A	
		BT30AD-EZ10SS-160	121	160	100	16	27	44	10	32	60	-	1.50	A	
	◎	BT30AD-EZ12SS-120	120	120	96	18	28	-	12	37	60	-	1.10	A	
		BT30AD-EZ12SS-160	121	160	100	18	29	44	12	37	60	-	1.50	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	◎	BT30AD-EZ03SSU-120	122	120	96	7	17	-	3	11	-	-	0.90	A	
		BT30AD-EZ03SSU-160	123	160	100	7	18	37	3	11	-	-	1.30	A	
	◎	BT30AD-EZ04SSU-120	122	120	96	8	18	-	4	14	-	-	0.90	A	
		BT30AD-EZ04SSU-160	123	160	100	8	19	38	4	14	-	-	1.30	A	
	◎	BT30AD-EZ05SSU-120	122	120	96	9	19	-	5	17	-	-	0.90	A	
		BT30AD-EZ05SSU-160	123	160	100	9	20	39	5	17	-	-	1.30	A	
	◎	BT30AD-EZ06SSU-120	122	120	96	10	20	-	6	23	-	-	1.00	A	
		BT30AD-EZ06SSU-160	123	160	100	10	21	40	6	23	-	-	1.40	A	
	◎	BT30AD-EZ08SSU-120	122	120	96	12	22	-	8	27	-	-	1.00	A	
		BT30AD-EZ08SSU-160	123	160	100	12	23	40	8	27	-	-	1.40	A	
	◎	BT30AD-EZ10SSU-120	122	120	96	14	24	-	10	32	60	-	1.10	A	
		BT30AD-EZ10SSU-160	123	160	100	14	25	42	10	32	60	-	1.50	A	
	◎	BT30AD-EZ12SSU-120	122	120	96	16	26	-	12	37	60	-	1.10	A	
		BT30AD-EZ12SSU-160	123	160	100	16	27	42	12	37	60	-	1.50	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

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HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎	BT40AD/B-EZ03SS-120	124	120	92	9	19	-	3	11	-	-	1.40	A	
◎	BT40AD/B-EZ03SS-160	125	160	100	9	20	37	3	11	-	-	1.80	A	
	BT40AD/B-EZ03SS-200	12Y	200	100	9	20	39	3	11	-	-	2.20	A	
◎	BT40AD/B-EZ04SS-120	124	120	92	10	20	-	4	14	-	-	1.40	A	
◎	BT40AD/B-EZ04SS-160	125	160	100	10	21	38	4	14	-	-	1.80	A	
	BT40AD/B-EZ04SS-200	12Y	200	100	10	21	40	4	14	-	-	2.20	A	
◎	BT40AD/B-EZ05SS-120	124	120	92	11	21	-	5	17	-	-	1.40	A	
◎	BT40AD/B-EZ05SS-160	125	160	100	11	22	39	5	17	-	-	1.80	A	
	BT40AD/B-EZ05SS-200	12Y	200	100	11	22	41	5	17	-	-	2.20	A	
◎	BT40AD/B-EZ06SS-120	124	120	92	12	22	-	6	23	-	-	1.50	A	
◎	BT40AD/B-EZ06SS-160	125	160	100	12	23	40	6	23	-	-	1.90	A	
	BT40AD/B-EZ06SS-200	12Y	200	100	12	23	42	6	23	-	-	2.30	A	
◎	BT40AD/B-EZ08SS-120	124	120	92	14	24	-	8	27	-	-	1.50	A	
◎	BT40AD/B-EZ08SS-160	125	160	100	14	25	40	8	27	-	-	1.90	A	
	BT40AD/B-EZ08SS-200	12Y	200	100	14	25	42	8	27	-	-	2.30	A	
◎	BT40AD/B-EZ10SS-120	124	120	92	16	26	-	10	32	-	-	1.60	A	
◎	BT40AD/B-EZ10SS-160	125	160	100	16	27	42	10	32	-	-	2.00	A	
	BT40AD/B-EZ10SS-200	12Y	200	100	16	27	44	10	32	-	-	2.40	A	
◎	BT40AD/B-EZ12SS-120	124	120	92	18	28	-	12	37	-	-	1.60	A	
◎	BT40AD/B-EZ12SS-160	125	160	100	18	29	42	12	37	-	-	2.00	A	
	BT40AD/B-EZ12SS-200	12Y	200	100	18	29	44	12	37	-	-	2.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎	BT40AD/B-EZ03SSU-120	126	120	92	7	17	-	3	11	-	-	1.40	A	
◎	BT40AD/B-EZ03SSU-160	127	160	100	7	18	35	3	11	-	-	1.80	A	
	BT40AD/B-EZ03SSU-200	12Z	200	100	7	18	37	3	11	-	-	2.20	A	
◎	BT40AD/B-EZ04SSU-120	126	120	92	8	18	-	4	14	-	-	1.40	A	
◎	BT40AD/B-EZ04SSU-160	127	160	100	8	19	36	4	14	-	-	1.80	A	
	BT40AD/B-EZ04SSU-200	12Z	200	100	8	19	38	4	14	-	-	2.20	A	
◎	BT40AD/B-EZ05SSU-120	126	120	92	9	19	-	5	17	-	-	1.40	A	
◎	BT40AD/B-EZ05SSU-160	127	160	100	9	20	37	5	17	-	-	1.80	A	
	BT40AD/B-EZ05SSU-200	12Z	200	100	9	20	39	5	17	-	-	2.20	A	
◎	BT40AD/B-EZ06SSU-120	126	120	92	10	20	-	6	23	-	-	1.50	A	
◎	BT40AD/B-EZ06SSU-160	127	160	100	10	21	38	6	23	-	-	1.90	A	
◆	BT40AD/B-EZ06SSU-200	12Z	200	100	10	21	40	6	23	-	-	2.30	A	
◎	BT40AD/B-EZ08SSU-120	126	120	92	12	22	-	8	27	-	-	1.50	A	
◎	BT40AD/B-EZ08SSU-160	127	160	100	12	23	38	8	27	-	-	1.90	A	
◆	BT40AD/B-EZ08SSU-200	12Z	200	100	12	23	40	8	27	-	-	2.30	A	
◎	BT40AD/B-EZ10SSU-120	126	120	92	14	24	-	10	32	-	-	1.60	A	
◎	BT40AD/B-EZ10SSU-160	127	160	100	14	25	40	10	32	-	-	2.00	A	
◆	BT40AD/B-EZ10SSU-200	12Z	200	100	14	25	42	10	32	-	-	2.40	A	
◎	BT40AD/B-EZ12SSU-120	126	120	92	16	26	-	12	37	-	-	1.60	A	
◎	BT40AD/B-EZ12SSU-160	127	160	100	16	27	40	12	37	-	-	2.00	A	
◆	BT40AD/B-EZ12SSU-200	12Z	200	100	16	27	42	12	37	-	-	2.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
▲	BT40AD/B-EZ06SUB-105	12X	105	78	10	18	-	6	23	37	M5*P0.8	1.40	A	
▲	BT40AD/B-EZ08SUB-105	12X	105	78	12	20	-	8	37	37	M6*P1.0	1.40	A	
▲	BT40AD/B-EZ10SUB-105	12X	105	78	14	22	-	10	32	42	M8*P1.0	1.50	A	
▲	BT40AD/B-EZ12SUB-105	12X	105	78	16	24	-	12	37	48	M10*P1.0	1.50	A	

產品FIG.12X出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.12X EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

STOCK ◆=售完後設計變更 // STOCK ◆=Change design after sold out

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSS & EZSSU // BT-EZSS & BT-EZSSU

ezShrink SlimSuper & SlimSuperUltra 超細型與極細型熱膨脹燒結刀柄
ezShrink SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		BT50AD/B-EZX03SS-120	124	120	80	9	18	-	3	11	-	-	3.90	C	
◎		BT50AD/B-EZX03SS-160	125	160	100	9	20	26	3	11	-	-	4.30	C	
		BT50AD/B-EZX03SS-200	12Y	200	100	9	20	33	3	11	-	-	5.50	C	
◎		BT50AD/B-EZX04SS-120	124	120	80	10	19	-	4	14	-	-	3.90	C	
◎		BT50AD/B-EZX04SS-160	125	160	100	10	21	27	4	14	-	-	4.30	C	
		BT50AD/B-EZX04SS-200	12Y	200	100	10	21	34	4	14	-	-	5.50	C	
◎		BT50AD/B-EZX05SS-120	124	120	80	11	20	-	5	17	-	-	3.90	C	
◎		BT50AD/B-EZX05SS-160	125	160	100	11	22	28	5	17	-	-	4.30	C	
		BT50AD/B-EZX05SS-200	12Y	200	100	11	22	35	5	17	-	-	5.50	C	
◎		BT50AD/B-EZX06SS-120	124	120	80	12	21	-	6	23	-	-	4.00	C	
◎		BT50AD/B-EZX06SS-160	125	160	100	12	23	29	6	23	-	-	4.40	C	
◆		BT50AD/B-EZX06SS-200	12Y	200	100	12	23	36	6	23	-	-	5.60	C	
◎		BT50AD/B-EZX08SS-120	124	120	80	14	23	-	8	27	-	-	4.00	C	
◎		BT50AD/B-EZX08SS-160	125	160	100	14	25	31	8	27	-	-	4.40	C	
◆		BT50AD/B-EZX08SS-200	12Y	200	100	14	25	38	8	27	-	-	5.60	C	
◎		BT50AD/B-EZX10SS-120	124	120	80	16	25	-	10	32	-	-	4.10	C	
◎		BT50AD/B-EZX10SS-160	125	160	100	16	27	32	10	32	-	-	4.50	C	
◆		BT50AD/B-EZX10SS-200	12Y	200	100	16	27	39	10	32	-	-	5.70	C	
◎		BT50AD/B-EZX12SS-120	124	120	80	18	27	-	12	37	-	-	4.10	C	
◎		BT50AD/B-EZX12SS-160	125	160	100	18	29	34	12	37	-	-	4.50	C	
		BT50AD/B-EZX12SS-200	12Y	200	100	18	29	40	12	37	-	-	5.70	C	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		BT50AD/B-EZX03SSU-120	126	120	80	7	16	-	3	11	-	-	3.90	C	
◎		BT50AD/B-EZX03SSU-160	127	160	100	7	18	24	3	11	-	-	4.30	C	
		BT50AD/B-EZX03SSU-200	12Z	200	100	7	18	31	3	11	-	-	5.50	C	
◎		BT50AD/B-EZX04SSU-120	126	120	80	8	17	-	4	14	-	-	3.90	C	
◎		BT50AD/B-EZX04SSU-160	127	160	100	8	19	25	4	14	-	-	4.30	C	
		BT50AD/B-EZX04SSU-200	12Z	200	100	8	19	32	4	14	-	-	5.50	C	
◎		BT50AD/B-EZX05SSU-120	126	120	80	9	18	-	5	17	-	-	3.90	C	
◎		BT50AD/B-EZX05SSU-160	127	160	100	9	20	26	5	17	-	-	4.30	C	
		BT50AD/B-EZX05SSU-200	12Z	200	100	9	20	33	5	17	-	-	5.50	C	
◎		BT50AD/B-EZX06SSU-120	126	120	80	10	19	-	6	23	-	-	4.00	C	
◎		BT50AD/B-EZX06SSU-160	127	160	100	10	21	27	6	23	-	-	4.40	C	
◆		BT50AD/B-EZX06SSU-200	12Z	200	100	10	21	34	6	23	-	-	5.60	C	
◎		BT50AD/B-EZX08SSU-120	126	120	80	12	21	-	8	27	-	-	4.00	C	
◎		BT50AD/B-EZX08SSU-160	127	160	100	12	23	29	8	27	-	-	4.40	C	
◆		BT50AD/B-EZX08SSU-200	12Z	200	100	12	23	36	8	27	-	-	5.60	C	
◎		BT50AD/B-EZX10SSU-120	126	120	80	14	23	-	10	32	-	-	4.10	C	
◎		BT50AD/B-EZX10SSU-160	127	160	100	14	25	30	10	32	-	-	4.50	C	
		BT50AD/B-EZX10SSU-200	12Z	200	100	14	25	37	10	32	-	-	5.70	C	
◎		BT50AD/B-EZX12SSU-120	126	120	80	16	25	-	12	37	-	-	4.10	C	
◎		BT50AD/B-EZX12SSU-160	127	160	100	16	27	32	12	37	-	-	4.50	C	
◆		BT50AD/B-EZX12SSU-200	12Z	200	100	16	27	38	12	37	-	-	5.70	C	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		BT30AD-EZ1/8"SS-4.72"	120	4.72"	3.78"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.90	A	
		BT30AD-EZ1/8"SS-6.30"	121	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.30	A	
		BT30AD-EZ3/16"SS-4.72"	120	4.72"	3.78"	0.42"	0.82"	-	3/16"	0.55"	-	-	0.90	A	
		BT30AD-EZ3/16"SS-6.30"	121	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.30	A	
		BT30AD-EZ1/4"SS-4.72"	120	4.72"	3.78"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.00	A	
		BT30AD-EZ1/4"SS-6.30"	121	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.40	A	
		BT30AD-EZ5/16"SS-4.72"	120	4.72"	3.78"	0.55"	0.95"	-	5/16"	1.06"	-	-	1.00	A	
		BT30AD-EZ5/16"SS-6.30"	121	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	-	-	1.40	A	
		BT30AD-EZ3/8"SS-4.72"	120	4.72"	3.78"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.10	A	
		BT30AD-EZ3/8"SS-6.30"	121	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	1.50	A	
		BT30AD-EZ7/16"SS-4.72"	120	4.72"	3.78"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.10	A	
		BT30AD-EZ7/16"SS-6.30"	121	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	1.50	A	
		BT30AD-EZ1/2"SS-4.72"	120	4.72"	3.78"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.20	A	
		BT30AD-EZ1/2"SS-6.30"	121	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	1.60	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		BT30AD-EZ1/8"SSU-4.72"	122	4.72"	3.78"	0.28"	0.68"	-	1/8"	0.43"	-	-	0.90	A	
		BT30AD-EZ1/8"SSU-6.30"	123	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.30	A	
		BT30AD-EZ3/16"SSU-4.72"	122	4.72"	3.78"	0.34"	0.74"	-	3/16"	0.55"	-	-	0.90	A	
		BT30AD-EZ3/16"SSU-6.30"	123	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.30	A	
		BT30AD-EZ1/4"SSU-4.72"	122	4.72"	3.78"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.00	A	
		BT30AD-EZ1/4"SSU-6.30"	123	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.40	A	
		BT30AD-EZ5/16"SSU-4.72"	122	4.72"	3.78"	0.47"	0.87"	-	5/16"	1.06"	-	-	1.00	A	
		BT30AD-EZ5/16"SSU-6.30"	123	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	-	-	1.40	A	
		BT30AD-EZ3/8"SSU-4.72"	122	4.72"	3.78"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.10	A	
		BT30AD-EZ3/8"SSU-6.30"	123	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	1.50	A	
		BT30AD-EZ7/16"SSU-4.72"	122	4.72"	3.78"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.10	A	
		BT30AD-EZ7/16"SSU-6.30"	123	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	1.50	A	
		BT30AD-EZ1/2"SSU-4.72"	122	4.72"	3.78"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.20	A	
		BT30AD-EZ1/2"SSU-6.30"	123	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	1.60	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSS & EZSSU // BT-EZSS & BT-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra 超細型與極細型熱膨脹燒結刀柄-英制
ezShrink SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	BT40AD/B-EZ1/8"SS-4.72"	124	4.72"	3.62"	0.36"	0.76"	-	1/8"	0.43"	-	-	1.40	A	
	BT40AD/B-EZ1/8"SS-6.30"	125	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.80	A	
	BT40AD/B-EZ1/8"SS-7.87"	125	7.87"	3.94"	0.36"	0.80"	1.54"	1/8"	0.43"	-	-	2.20	A	
	BT40AD/B-EZ3/16"SS-4.72"	124	4.72"	3.62"	0.42"	0.82"	-	3/16"	0.55"	-	-	1.40	A	
	BT40AD/B-EZ3/16"SS-6.30"	125	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.80	A	
	BT40AD/B-EZ3/16"SS-7.87"	125	7.87"	3.94"	0.42"	0.86"	1.58"	3/16"	0.55"	-	-	2.20	A	
	BT40AD/B-EZ1/4"SS-4.72"	124	4.72"	3.62"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.50	A	
	BT40AD/B-EZ1/4"SS-6.30"	125	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.90	A	
	BT40AD/B-EZ1/4"SS-7.87"	125	7.87"	3.94"	0.49"	0.93"	1.62"	1/4"	0.91"	-	-	2.30	A	
	BT40AD/B-EZ5/16"SS-4.72"	124	4.72"	3.62"	0.55"	0.95"	-	5/16"	1.06"	-	-	1.50	A	
	BT40AD/B-EZ5/16"SS-6.30"	125	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	-	-	1.90	A	
	BT40AD/B-EZ5/16"SS-7.87"	125	7.87"	3.94"	0.55"	0.99"	1.66"	5/16"	1.06"	-	-	2.30	A	
	BT40AD/B-EZ3/8"SS-4.72"	124	4.72"	3.62"	0.61"	1.01"	-	3/8"	1.26"	-	-	1.60	A	
	BT40AD/B-EZ3/8"SS-6.30"	125	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	-	-	2.00	A	
	BT40AD/B-EZ3/8"SS-7.87"	125	7.87"	3.94"	0.61"	1.05"	1.66"	3/8"	1.26"	-	-	2.40	A	
	BT40AD/B-EZ7/16"SS-4.72"	124	4.72"	3.62"	0.67"	1.07"	-	7/16"	1.26"	-	-	1.60	A	
	BT40AD/B-EZ7/16"SS-6.30"	125	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	-	-	2.00	A	
	BT40AD/B-EZ7/16"SS-7.87"	125	7.87"	3.94"	0.67"	1.11"	1.74"	7/16"	1.26"	-	-	2.40	A	
	BT40AD/B-EZ1/2"SS-4.72"	124	4.72"	3.62"	0.74"	1.14"	-	1/2"	1.46"	-	-	1.70	A	
	BT40AD/B-EZ1/2"SS-6.30"	125	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	-	-	2.10	A	
	BT40AD/B-EZ1/2"SS-7.87"	125	7.87"	3.94"	0.74"	1.18"	1.74"	1/2"	1.46"	-	-	2.50	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	BT40AD/B-EZ1/8"SSU-4.72"	126	4.72"	3.62"	0.28"	0.68"	-	1/8"	0.43"	-	-	1.40	A	
	BT40AD/B-EZ1/8"SSU-6.30"	127	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.80	A	
	BT40AD/B-EZ1/8"SSU-7.87"	127	7.87"	3.94"	0.28"	0.72"	1.46"	1/8"	0.43"	-	-	2.20	A	
	BT40AD/B-EZ3/16"SSU-4.72"	126	4.72"	3.62"	0.34"	0.74"	-	3/16"	0.55"	-	-	1.40	A	
	BT40AD/B-EZ3/16"SSU-6.30"	127	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.80	A	
	BT40AD/B-EZ3/16"SSU-7.87"	127	7.87"	3.94"	0.34"	0.78"	1.50"	3/16"	0.55"	-	-	2.20	A	
	BT40AD/B-EZ1/4"SSU-4.72"	126	4.72"	3.62"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.50	A	
	BT40AD/B-EZ1/4"SSU-6.30"	127	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.90	A	
	BT40AD/B-EZ1/4"SSU-7.87"	127	7.87"	3.94"	0.41"	0.85"	1.54"	1/4"	0.91"	-	-	2.30	A	
	BT40AD/B-EZ5/16"SSU-4.72"	126	4.72"	3.62"	0.47"	0.87"	-	5/16"	1.06"	-	-	1.50	A	
	BT40AD/B-EZ5/16"SSU-6.30"	127	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	-	-	1.90	A	
	BT40AD/B-EZ5/16"SSU-7.87"	127	7.87"	3.94"	0.47"	0.91"	1.58"	5/16"	1.06"	-	-	2.30	A	
	BT40AD/B-EZ3/8"SSU-4.72"	126	4.72"	3.62"	0.53"	0.93"	-	3/8"	1.26"	-	-	1.60	A	
	BT40AD/B-EZ3/8"SSU-6.30"	127	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	-	-	2.00	A	
	BT40AD/B-EZ3/8"SSU-7.87"	127	7.87"	3.94"	0.53"	0.97"	1.58"	3/8"	1.26"	-	-	2.40	A	
	BT40AD/B-EZ7/16"SSU-4.72"	126	4.72"	3.62"	0.59"	0.99"	-	7/16"	1.26"	-	-	1.60	A	
	BT40AD/B-EZ7/16"SSU-6.30"	127	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	-	-	2.00	A	
	BT40AD/B-EZ7/16"SSU-7.87"	127	7.87"	3.94"	0.59"	1.03"	1.66"	7/16"	1.26"	-	-	2.40	A	
	BT40AD/B-EZ1/2"SSU-4.72"	126	4.72"	3.62"	0.66"	1.06"	-	1/2"	1.46"	-	-	1.70	A	
	BT40AD/B-EZ1/2"SSU-6.30"	127	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	-	-	2.10	A	
	BT40AD/B-EZ1/2"SSU-7.87"	127	7.87"	3.94"	0.66"	1.10"	1.66"	1/2"	1.46"	-	-	2.50	A	

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動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	BT50AD/B-EZX1/8"SS-4.72"	124	4.72"	3.15"	0.36"	0.72"	-	1/8"	0.43"	-	-	3.90	C	
	BT50AD/B-EZX1/8"SS-6.30"	125	6.30"	3.94"	0.36"	0.80"	1.04"	1/8"	0.43"	-	-	4.30	C	
	BT50AD/B-EZX1/8"SS-7.87"	125	7.87"	3.94"	0.36"	0.80"	1.32"	1/8"	0.43"	-	-	4.70	C	
	BT50AD/B-EZX3/16"SS-4.72"	124	4.72"	3.15"	0.42"	0.78"	-	3/16"	0.55"	-	-	3.90	C	
	BT50AD/B-EZX3/16"SS-6.30"	125	6.30"	3.94"	0.42"	0.86"	1.10"	3/16"	0.55"	-	-	4.30	C	
	BT50AD/B-EZX3/16"SS-7.87"	125	7.87"	3.94"	0.42"	0.86"	1.38"	3/16"	0.55"	-	-	4.70	C	
	BT50AD/B-EZX1/4"SS-4.72"	124	4.72"	3.15"	0.49"	0.85"	-	1/4"	0.91"	-	-	4.00	C	
	BT50AD/B-EZX1/4"SS-6.30"	125	6.30"	3.94"	0.49"	0.93"	1.17"	1/4"	0.91"	-	-	4.40	C	
	BT50AD/B-EZX1/4"SS-7.87"	125	7.87"	3.94"	0.49"	0.93"	1.45"	1/4"	0.91"	-	-	4.80	C	
	BT50AD/B-EZX5/16"SS-4.72"	124	4.72"	3.15"	0.55"	0.91"	-	5/16"	1.06"	-	-	4.00	C	
	BT50AD/B-EZX5/16"SS-6.30"	125	6.30"	3.94"	0.55"	0.99"	1.23"	5/16"	1.06"	-	-	4.40	C	
	BT50AD/B-EZX5/16"SS-7.87"	125	7.87"	3.94"	0.55"	0.99"	1.51"	5/16"	1.06"	-	-	4.80	C	
	BT50AD/B-EZX3/8"SS-4.72"	124	4.72"	3.15"	0.61"	0.97"	-	3/8"	1.26"	-	-	4.10	C	
	BT50AD/B-EZX3/8"SS-6.30"	125	6.30"	3.94"	0.61"	1.05"	1.25"	3/8"	1.26"	-	-	4.50	C	
	BT50AD/B-EZX3/8"SS-7.87"	125	7.87"	3.94"	0.61"	1.05"	1.53"	3/8"	1.26"	-	-	4.90	C	
	BT50AD/B-EZX7/16"SS-4.72"	124	4.72"	3.15"	0.67"	1.03"	-	7/16"	1.26"	-	-	4.10	C	
	BT50AD/B-EZX7/16"SS-6.30"	125	6.30"	3.94"	0.67"	1.11"	1.31"	7/16"	1.26"	-	-	4.50	C	
	BT50AD/B-EZX7/16"SS-7.87"	125	7.87"	3.94"	0.67"	1.11"	1.55"	7/16"	1.26"	-	-	4.90	C	
	BT50AD/B-EZX1/2"SS-4.72"	124	4.72"	3.15"	0.74"	1.10"	-	1/2"	1.46"	-	-	4.20	C	
	BT50AD/B-EZX1/2"SS-6.30"	125	6.30"	3.94"	0.74"	1.18"	1.38"	1/2"	1.46"	-	-	4.80	C	
	BT50AD/B-EZX1/2"SS-7.87"	125	7.87"	3.94"	0.74"	1.18"	1.62"	1/2"	1.46"	-	-	5.00	C	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	BT50AD/B-EZX1/8"SSU-4.72"	126	4.72"	3.15"	0.28"	0.64"	-	1/8"	0.43"	-	-	3.90	C	
	BT50AD/B-EZX1/8"SSU-6.30"	127	6.30"	3.94"	0.28"	0.72"	0.96"	1/8"	0.43"	-	-	4.30	C	
	BT50AD/B-EZX1/8"SSU-7.87"	127	7.87"	3.94"	0.28"	0.72"	1.24"	1/8"	0.43"	-	-	4.70	C	
	BT50AD/B-EZX3/16"SSU-4.72"	126	4.72"	3.15"	0.34"	0.70"	-	3/16"	0.55"	-	-	3.90	C	
	BT50AD/B-EZX3/16"SSU-6.30"	127	6.30"	3.94"	0.34"	0.78"	1.02"	3/16"	0.55"	-	-	4.30	C	
	BT50AD/B-EZX3/16"SSU-7.87"	127	7.87"	3.94"	0.34"	0.78"	1.30"	3/16"	0.55"	-	-	4.70	C	
	BT50AD/B-EZX1/4"SSU-4.72"	126	4.72"	3.15"	0.41"	0.77"	-	1/4"	0.91"	-	-	4.00	C	
	BT50AD/B-EZX1/4"SSU-6.30"	127	6.30"	3.94"	0.41"	0.85"	1.09"	1/4"	0.91"	-	-	4.40	C	
	BT50AD/B-EZX1/4"SSU-7.87"	127	7.87"	3.94"	0.41"	0.85"	1.37"	1/4"	0.91"	-	-	4.80	C	
	BT50AD/B-EZX5/16"SSU-4.72"	126	4.72"	3.15"	0.47"	0.83"	-	5/16"	1.06"	-	-	4.00	C	
	BT50AD/B-EZX5/16"SSU-6.30"	127	6.30"	3.94"	0.47"	0.91"	1.15"	5/16"	1.06"	-	-	4.40	C	
	BT50AD/B-EZX5/16"SSU-7.87"	127	7.87"	3.94"	0.47"	0.91"	1.43"	5/16"	1.06"	-	-	4.80	C	
	BT50AD/B-EZX3/8"SSU-4.72"	126	4.72"	3.15"	0.53"	0.89"	-	3/8"	1.26"	-	-	4.10	C	
	BT50AD/B-EZX3/8"SSU-6.30"	127	6.30"	3.94"	0.53"	0.97"	1.17"	3/8"	1.26"	-	-	4.50	C	
	BT50AD/B-EZX3/8"SSU-7.87"	127	7.87"	3.94"	0.53"	0.97"	1.45"	3/8"	1.26"	-	-	4.90	C	
	BT50AD/B-EZX7/16"SSU-4.72"	126	4.72"	3.15"	0.59"	0.95"	-	7/16"	1.26"	-	-	4.10	C	
	BT50AD/B-EZX7/16"SSU-6.30"	127	6.30"	3.94"	0.59"	1.03"	1.23"	7/16"	1.26"	-	-	4.50	C	
	BT50AD/B-EZX7/16"SSU-7.87"	127	7.87"	3.94"	0.59"	1.03"	1.47"	7/16"	1.26"	-	-	4.90	C	
	BT50AD/B-EZX1/2"SSU-4.72"	126	4.72"	3.15"	0.66"	1.02"	-	1/2"	1.46"	-	-	4.20	C	
	BT50AD/B-EZX1/2"SSU-6.30"	127	6.30"	3.94"	0.66"	1.10"	1.30"	1/2"	1.46"	-	-	4.80	C	
	BT50AD/B-EZX1/2"SSU-7.87"	127	7.87"	3.94"	0.66"	1.10"	1.54"	1/2"	1.46"	-	-	5.00	C	

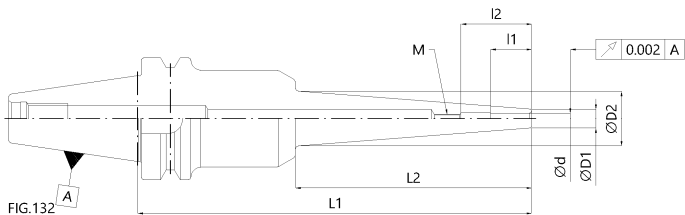
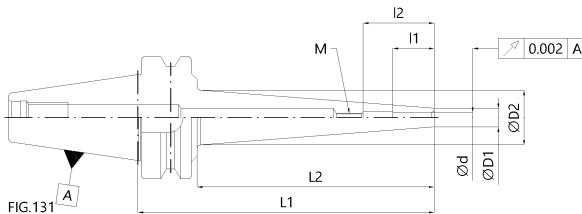
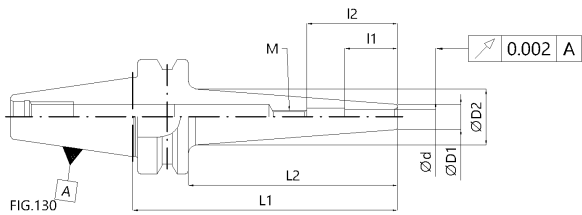
STOCK ◎=標準在庫品 // STOCK ○=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZS // BT-EZSB

ezShrink Slim細型熱膨脹燒結刀柄

ezShrink Slim shrink fit chucks



動平衡G2.5/30,000RPM-G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM-G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	BT30AD-EZ06SB-105	130	105	-	10	23	-	6	23	37	M5*P0.8	0.80	A	
▲	BT30AD-EZ08SB-105	130	105	-	12	25	-	8	27	37	M6*P1.0	0.80	A	
▲	BT30AD-EZ10SB-105	130	105	-	14	27	-	10	32	42	M8*P1.25	0.90	A	
▲	BT30AD-EZ12SB-105	130	105	-	16	29	-	12	37	48	M10*P1.5	0.90	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	BT40AD-EZX06SB-150	131	150	120	10	29	-	6	23	37	M5*P0.8	1.80	A	
▲	BT40AD-EZX06SB-200	132	200	120	10	29	-	6	23	37	M5*P0.8	2.30	A	
▲	BT40AD-EZX08SB-150	131	150	120	12	31	-	8	27	37	M6*P1.0	1.80	A	
▲	BT40AD-EZX08SB-200	132	200	120	12	31	-	8	27	37	M6*P1.0	2.30	A	
▲	BT40AD-EZX10SB-150	131	150	120	14	33	-	10	32	42	M8*P1.25	1.90	A	
▲	BT40AD-EZX10SB-200	132	200	120	14	33	-	10	32	42	M8*P1.25	2.40	A	
▲	BT40AD-EZX12SB-150	131	150	120	16	35	-	12	37	48	M10*P1.5	1.90	A	
▲	BT40AD-EZX12SB-200	132	200	120	16	35	-	12	37	48	M10*P1.5	2.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	BT50AD-EZX06SB-150	133	150	110	10	27	-	6	23	37	M5*P0.8	4.30	C	
▲	BT50AD-EZX06SB-200	134	200	110	10	27	-	6	23	37	M5*P0.8	5.60	C	
▲	BT50AD-EZX08SB-150	133	150	110	12	29	-	8	27	37	M6*P1.0	4.30	C	
▲	BT50AD-EZX08SB-200	134	200	110	12	29	-	8	27	37	M6*P1.0	5.60	C	
▲	BT50AD-EZX10SB-150	133	150	110	14	31	-	10	32	42	M8*P1.25	4.40	C	
▲	BT50AD-EZX10SB-200	134	200	110	14	31	-	10	32	42	M8*P1.25	5.70	C	
▲	BT50AD-EZX12SB-150	133	150	110	16	33	-	12	37	48	M10*P1.5	4.40	C	
▲	BT50AD-EZX12SB-200	134	200	110	16	33	-	12	37	48	M10*P1.5	5.70	C	

產品FIG.130, 131, 132, 133 & 134出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.130, 131, 132, 133 & 134 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZ // BTG

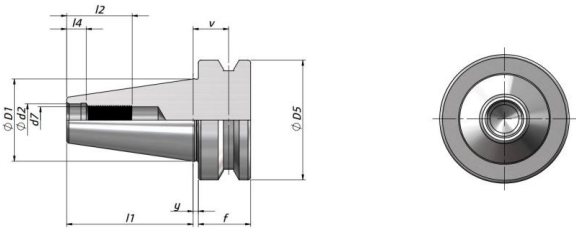
ezShrink EZ // BTG

BTG is the norm of 7/24 BT taper without drive key,
BT30GAD is coolant through center.

BTG是日本規範7/24BT圓錐無傳動鍵槽的代號
BT30GAD刀柄內帶中心貫穿冷卻孔

CLAMPING FORCE	BT30G
	6KN

TAPER	BT30GAD
ØD1	31.75
Ød2 H8	12.50
d7 6H	M12*P1.75
ØD5 h8	46.00
v +/-0.1	13.60
y +/-0.4	2
f	20
l1 +/-0.2	48.40
l2	24
l4+0.5/0.0	7.0
l6	16.3 -0.3/+0.0



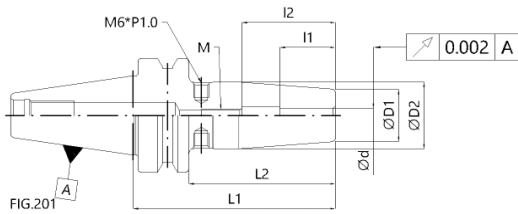
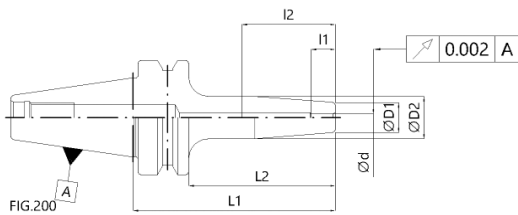
圓錐角度公差 // TAPER ANGLE TOLERANCE	
TAPER	#30 TAPER
AT1 (mm)	+0.0008/+0.0013
AT2 (mm)	+0.0013/+0.0020
AT3 (mm)	+0.0020/+0.0032
圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE	
TAPER	#30 TAPER
	0.001
圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE	
TAPER	#30 TAPER
	0.001

AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準

ezShrink EZ // BTG-EZ

ezShrink 無傳動鍵槽熱膨脹燒結刀柄
ezShrink shrink fit chucks w/o drive key slots



動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	▲	BT30GAD-EZ03-080	200	80	58	12	17	-	3	11	-	-	0.60	A	
	▲	BT30GAD-EZ04-080	200	80	58	12	17	-	4	14	-	-	0.60	A	
	▲	BT30GAD-EZ05-080	200	80	58	12	17	-	5	17	-	-	0.60	A	
O	▲	BT30GAD-EZ06-080	201	80	58	21	27	-	6	23	37	M5*P0.8	0.70	A	
O	▲	BT30GAD-EZ08-080	201	80	58	21	27	-	8	27	37	M6*P1.0	0.70	A	
O	▲	BT30GAD-EZ10-080	201	80	58	24	32	-	10	32	42	M8*P1.0	0.80	A	
O	▲	BT30GAD-EZ12-080	201	80	58	24	32	-	12	37	48	M10*P1.0	0.80	A	
O	▲	BT30GAD-EZ14-080	201	80	58	27	34	-	14	37	48	M10*P1.0	0.90	A	
O	▲	BT30GAD-EZ16-080	201	80	58	27	34	-	16	40	51	M12*P1.0	0.90	A	
O	▲	BT30GAD-EZ18-090	201	90	68	33	42	-	18	40	51	M12*P1.0	1.10	A	
O	▲	BT30GAD-EZ20-090	201	90	68	33	42	-	20	42	53	M16*P1.0	1.10	A	

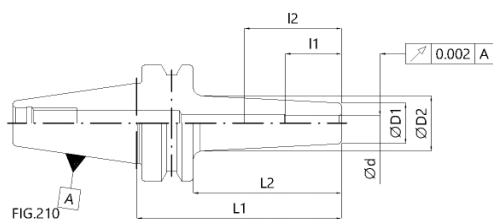
產品FIG.39出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.39 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck



動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		BT30GAD-EZ03SR-060	210	60	38	13	17	-	3	11	-	-	0.40	A	
		BT30GAD-EZ03SR-080	210	80	58	13	19	-	3	11	-	-	0.60	A	
		BT30GAD-EZ04SR-060	210	60	38	14	18	-	4	14	-	-	0.40	A	
		BT30GAD-EZ04SR-080	210	80	58	14	20	-	4	14	-	-	0.60	A	
		BT30GAD-EZ05SR-060	210	60	38	15	19	-	5	17	-	-	0.40	A	
		BT30GAD-EZ05SR-080	210	80	58	15	21	-	5	17	-	-	0.60	A	
		BT30GAD-EZ06SR-060	210	60	38	16	20	-	6	23	-	-	0.50	A	
		BT30GAD-EZ06SR-080	210	80	58	16	22	-	6	23	-	-	0.70	A	
		BT30GAD-EZ08SR-060	210	60	38	18	22	-	8	27	-	-	0.50	A	
		BT30GAD-EZ08SR-080	210	80	58	18	24	-	8	27	-	-	0.70	A	
		BT30GAD-EZ10SR-060	210	60	38	20	24	-	10	32	60	-	0.60	A	
		BT30GAD-EZ10SR-080	210	80	58	20	26	-	10	32	60	-	0.80	A	
		BT30GAD-EZ12SR-060	210	60	38	22	26	-	12	37	60	-	0.60	A	
		BT30GAD-EZ12SR-080	210	80	58	22	28	-	12	37	60	-	0.80	A	
		BT30GAD-EZ14SR-060	210	60	38	24	28	-	14	37	60	-	0.70	A	
		BT30GAD-EZ14SR-080	210	80	58	24	30	-	14	37	80	-	0.90	A	
		BT30GAD-EZ16SR-060	210	60	38	26	30	-	16	37	60	-	0.70	A	
		BT30GAD-EZ16SR-080	210	80	58	26	32	-	16	40	80	-	0.90	A	
		BT30GAD-EZ18SR-060	210	60	38	28	32	-	18	37	60	-	0.80	A	
		BT30GAD-EZ18SR-080	210	80	58	28	34	-	18	40	80	-	1.00	A	
		BT30GAD-EZ20SR-060	210	60	38	30	34	-	20	37	60	-	0.80	A	
		BT30GAD-EZ20SR-080	210	80	58	30	36	-	20	42	80	-	1.00	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZ // ISO G

ezShrink EZ // ISO G

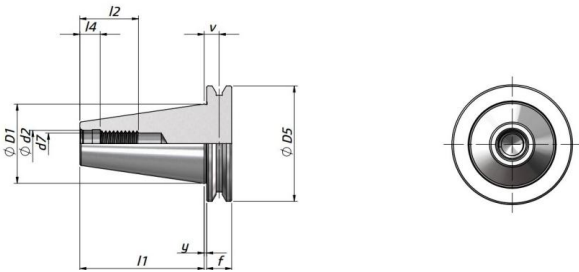
ISO G is the norm of 7/24 small ISO taper without drive key,
ISOxxGAD is coolant through center.

ISO G是ISO規範7/24小錐度圓錐無傳動鍵槽的代號
ISOxxGAD刀柄內帶中心貫穿冷卻孔

CLAMPING FORCE	ISO05	ISO10	ISO15
	1.5KN	2KN	2.5KN
CLAMPING FORCE	ISO20	ISO25	ISO30
	3KN	4KN	6KN

TAPER	ISO10GAD	ISO20GAD	ISO25GAD	ISO30GAD
ØD1	15.875	22.225	25.400	31.750
Ød2 H8	5.5	8.5	8.5	13.0
d7 6H	M5*P0.8	M8*P1.25	M8*P1.25	M12*P1.75
ØD5 h8	23	33	37	50
v +/-0.1	3.8	5.5	5.5	11.1
y +/-0.4	1.0	1.5	1.5	3.2
f	5.5	8.0	8.0	15.9
l1 +/-0.2	20.5	31.8	39.7	47.8
l2	13	18	18	24
l4+0.5/0.0	5.0	6.0	6.0	5.5

TAPER	ISO10GAAD	ISO20GBJAD	ISO25GBJAD
ØD1	15.875	22.225	25.400
Ød2 H8	5.5	8.5	8.5
d7 6H	M5*P0.8	M8*P1.25	M8*P1.25
ØD5 h8	18	33	37
v +/-0.1	3.8	4.0	4.8
y +/-0.4	1.0	-	0.8
f	5.5	8.0	8.0
l1 +/-0.2	20.5	33.3	39.7
l2	13	18	18
l4+0.5/0.0	5.0	6.0	6.0



圓錐角度公差 // TAPER ANGLE TOLERANCE

TAPER	#05 TAPER	#10 TAPER	#15 TAPER
AT1 (mm)	+0.0003/+0.0005	+0.0004/+0.0006	+0.0004/+0.0007
AT2 (mm)	+0.0005/+0.0007	+0.0006/+0.0009	+0.0007/+0.0011
AT3 (mm)	+0.0007/+0.0012	+0.0009/+0.0015	+0.0011/+0.0018
TAPER	#20 TAPER	#25 TAPER	#30 TAPER
AT1 (mm)	+0.0005/+0.0009	+0.0007/+0.0011	+0.0008/+0.0013
AT2 (mm)	+0.0009/+0.0013	+0.0011/+0.0017	+0.0013/+0.0020
AT3 (mm)	+0.0013/+0.0021	+0.0017/+0.0027	+0.0020/+0.0032

圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE

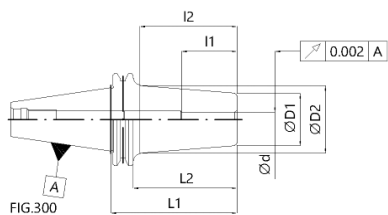
TAPER	#05 TAPER	#10 TAPER	#15 TAPER
	0.001	0.001	0.001
TAPER	#20 TAPER	#25 TAPER	#30 TAPER
	0.001	0.001	0.001

圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE

TAPER	#05 TAPER	#10 TAPER	#15 TAPER
	0.001	0.001	0.001
TAPER	#20 TAPER	#25 TAPER	#30 TAPER
	0.001	0.001	0.001

AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準



動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	▲	ISO25GBJAD-EZ03-050	300	50	41	12	17	-	3	11	-	-	0.40	A	
	▲	ISO25GBJAD-EZ04-050	300	50	41	12	17	-	4	14	-	-	0.40	A	
	▲	ISO25GBJAD-EZ05-050	300	50	41	12	17	-	5	17	-	-	0.40	A	
O	▲	ISO25GBJAD-EZ06-050	300	50	41	21	27	-	6	23	-	-	0.50	A	
O	▲	ISO25GBJAD-EZ08-050	300	50	41	21	27	-	8	27	60	-	0.50	A	
O	▲	ISO25GBJAD-EZ10-050	300	50	41	24	32	-	10	32	60	-	0.60	A	
O	▲	ISO25GBJAD-EZ12-050	300	50	41	24	32	-	12	37	60	-	0.60	A	
O	▲	ISO25GBJAD-EZ14-050	300	50	41	27	34	-	14	37	60	-	0.70	A	
O	▲	ISO25GBJAD-EZ16-050	300	50	41	27	34	-	16	40	60	-	0.70	A	

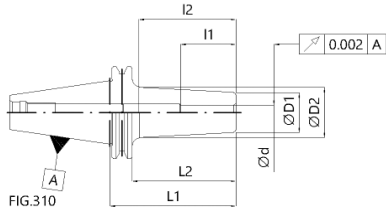
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSR // ISOG-EZSR

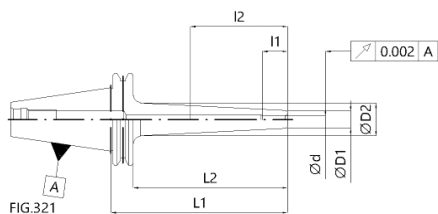
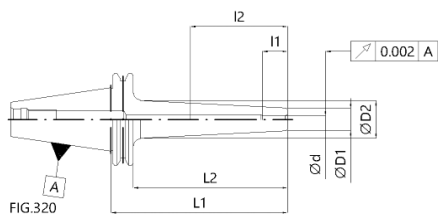
ezShrink SlimRgular 無傳動鍵槽細型熱膨脹燒結刀柄
ezShrink SlimRegular shrink fit chucks w/o drive key slots



動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ISO20GBJAD-EZ03SR-050	310	50	42	13	18	-	3	11	-	-	0.30	A	
◎	ISO20GBJAD-EZ04SR-050	310	50	42	14	19	-	4	14	-	-	0.30	A	
	ISO20GBJAD-EZ05SR-050	310	50	42	15	20	-	5	17	-	-	0.30	A	
◎	ISO20GBJAD-EZ06SR-050	310	50	42	16	21	-	6	23	-	-	0.40	A	
◎	ISO20GBJAD-EZ08SR-050	310	50	42	18	23	-	8	27	60	-	0.40	A	
	ISO20GBJAD-EZ10SR-050	310	50	42	20	25	-	10	32	60	-	0.50	A	
	ISO20GBJAD-EZ12SR-050	310	50	42	22	27	-	12	37	60	-	0.50	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ISO25GBJAD-EZ03SR-050	310	50	41	13	18	-	3	11	-	-	0.30	A	
	ISO25GBJAD-EZ04SR-050	310	50	41	14	19	-	4	14	-	-	0.30	A	
	ISO25GBJAD-EZ05SR-050	310	50	41	15	20	-	5	17	-	-	0.30	A	
	ISO25GBJAD-EZ06SR-050	310	50	41	16	21	-	6	23	-	-	0.40	A	
	ISO25GBJAD-EZ08SR-050	310	50	41	18	23	-	8	27	60	-	0.40	A	
	ISO25GBJAD-EZ10SR-050	310	50	41	20	25	-	10	32	60	-	0.50	A	
	ISO25GBJAD-EZ12SR-050	310	50	41	22	27	-	12	37	60	-	0.50	A	
	ISO25GBJAD-EZ14SR-050	310	50	41	24	29	-	14	37	60	-	0.60	A	
	ISO25GBJAD-EZ16SR-050	310	50	41	26	31	-	16	40	60	-	0.60	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ISO30GAD-EZ03SR-060	310	60	41	13	18	-	3	11	-	-	0.40	A	
	ISO30GAD-EZ04SR-060	310	60	41	14	19	-	4	14	-	-	0.40	A	
	ISO30GAD-EZ05SR-060	310	60	41	15	20	-	5	17	-	-	0.40	A	
	ISO30GAD-EZ06SR-060	310	60	41	16	21	-	6	23	-	-	0.50	A	
	ISO30GAD-EZ08SR-060	310	60	41	18	23	-	8	27	-	-	0.50	A	
	ISO30GAD-EZ10SR-060	310	60	41	20	25	-	10	32	60	-	0.60	A	
	ISO30GAD-EZ12SR-060	310	60	41	22	27	-	12	37	60	-	0.60	A	
	ISO30GAD-EZ14SR-060	310	60	41	24	29	-	14	37	60	-	0.70	A	
	ISO30GAD-EZ16SR-060	310	60	41	26	31	-	16	40	60	-	0.70	A	
	ISO30GAD-EZ18SR-060	310	60	41	28	33	-	18	40	60	-	0.80	A	
	ISO30GAD-EZ20SR-060	310	60	41	30	35	-	20	40	60	-	0.80	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request
每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck



動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ISO10GAD-EZ03SS-040	320	40	33	9	13	-	3	11	-	-	0.10	A	
	ISO10GAD-EZ03SS-060	320	60	53	9	15	-	3	11	-	-	0.30	A	
	ISO10GAD-EZ04SS-040	320	40	33	10	14	-	4	14	30	-	0.10	A	
	ISO10GAD-EZ04SS-060	320	60	53	10	16	-	4	14	30	-	0.30	A	
	ISO10GAD-EZ05SS-040	320	40	33	11	15	-	5	17	30	-	0.10	A	
	ISO10GAD-EZ05SS-060	320	60	53	11	17	-	5	17	30	-	0.30	A	
	ISO10GAD-EZ06SS-040	320	40	33	12	16	-	6	23	40	-	0.20	A	
	ISO10GAD-EZ06SS-060	320	60	53	12	18	-	6	23	40	-	0.20	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ISO10GAD-EZ03SSU-040	321	40	33	7	11	-	3	11	-	-	0.10	A	
	ISO10GAD-EZ03SSU-060	321	60	53	7	13	-	3	11	-	-	0.30	A	
	ISO10GAD-EZ04SSU-040	321	40	33	8	12	-	4	14	30	-	0.10	A	
	ISO10GAD-EZ04SSU-060	321	60	53	8	14	-	4	14	30	-	0.30	A	
	ISO10GAD-EZ05SSU-040	321	40	33	9	13	-	5	17	30	-	0.10	A	
	ISO10GAD-EZ05SSU-060	321	60	53	9	15	-	5	17	30	-	0.30	A	
	ISO10GAD-EZ06SSU-040	321	40	33	10	14	-	6	23	40	-	0.20	A	
	ISO10GAD-EZ06SSU-060	321	60	53	10	16	-	6	23	40	-	0.20	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ISO10GAAD-EZ03SS-040	320	40	33	9	13	-	3	11	-	-	0.10	A	
	ISO10GAAD-EZ03SS-060	320	60	53	9	15	-	3	11	-	-	0.30	A	
	ISO10GAAD-EZ04SS-040	320	40	33	10	14	-	4	14	30	-	0.10	A	
	ISO10GAAD-EZ04SS-060	320	60	53	10	16	-	4	14	30	-	0.30	A	
	ISO10GAAD-EZ05SS-040	320	40	33	11	15	-	5	17	30	-	0.10	A	
	ISO10GAAD-EZ05SS-060	320	60	53	11	17	-	5	17	30	-	0.30	A	
	ISO10GAAD-EZ06SS-040	320	40	33	12	16	-	6	23	40	-	0.20	A	
	ISO10GAAD-EZ06SS-060	320	60	53	12	18	-	6	23	40	-	0.20	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ISO10GAAD-EZ03SSU-040	321	40	33	7	11	-	3	11	-	-	0.10	A	
	ISO10GAAD-EZ03SSU-060	321	60	53	7	13	-	3	11	-	-	0.30	A	
	ISO10GAAD-EZ04SSU-040	321	40	33	8	12	-	4	14	30	-	0.10	A	
	ISO10GAAD-EZ04SSU-060	321	60	53	8	14	-	4	14	30	-	0.30	A	
	ISO10GAAD-EZ05SSU-040	321	40	33	9	13	-	5	17	30	-	0.10	A	
	ISO10GAAD-EZ05SSU-060	321	60	53	9	15	-	5	17	30	-	0.30	A	
	ISO10GAAD-EZ06SSU-040	321	40	33	10	14	-	6	23	40	-	0.20	A	
	ISO10GAAD-EZ06SSU-060	321	60	53	10	16	-	6	23	40	-	0.20	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSS & EZSSU // ISOG-EZSS & ISOG-EZSSU

ezShrink SlimSuper & SlimSuperUltra 無傳動鍵槽超細型與極細型熱膨脹燒結刀柄
ezShrink SlimSuper & SlimSuperUltra shrink fit chucks w/o drive key slots

動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		ISO20GBJAD-EZ03SS-070	320	70	62	9	16	-	3	11	-	-	0.40	A	
		ISO20GBJAD-EZ03SS-100	320	100	92	9	19	-	3	11	-	-	0.70	A	
		ISO20GBJAD-EZ04SS-070	320	70	62	10	17	-	4	14	-	-	0.40	A	
		ISO20GBJAD-EZ04SS-100	320	100	92	10	20	-	4	14	-	-	0.70	A	
		ISO20GBJAD-EZ05SS-070	320	70	62	11	18	-	5	17	-	-	0.40	A	
		ISO20GBJAD-EZ05SS-100	320	100	92	11	21	-	5	17	-	-	0.70	A	
		ISO20GBJAD-EZ06SS-070	320	70	62	12	19	-	6	23	-	-	0.50	A	
		ISO20GBJAD-EZ06SS-100	320	100	92	12	22	-	6	23	-	-	0.80	A	
		ISO20GBJAD-EZ08SS-070	320	70	62	14	21	-	8	27	60	-	0.50	A	
		ISO20GBJAD-EZ08SS-100	320	100	92	14	24	-	8	27	60	-	0.80	A	
		ISO20GBJAD-EZ10SS-070	320	70	62	16	23	-	10	32	60	-	0.60	A	
		ISO20GBJAD-EZ10SS-100	320	100	92	16	26	-	10	32	60	-	0.90	A	
		ISO20GBJAD-EZ12SS-070	320	70	62	18	25	-	12	37	60	-	0.60	A	
		ISO20GBJAD-EZ12SS-100	320	100	92	18	28	-	12	37	60	-	0.90	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		ISO20GBJAD-EZ03SSU-070	321	70	62	7	14	-	3	11	-	-	0.40	A	
		ISO20GBJAD-EZ03SSU-100	321	100	92	7	17	-	3	11	-	-	0.70	A	
		ISO20GBJAD-EZ04SSU-070	321	70	62	8	15	-	4	14	-	-	0.40	A	
		ISO20GBJAD-EZ04SSU-100	321	100	92	8	18	-	4	14	-	-	0.70	A	
		ISO20GBJAD-EZ05SSU-070	321	70	62	9	16	-	5	17	-	-	0.40	A	
		ISO20GBJAD-EZ05SSU-100	321	100	92	9	19	-	5	17	-	-	0.70	A	
		ISO20GBJAD-EZ06SSU-070	321	70	62	10	17	-	6	23	-	-	0.50	A	
		ISO20GBJAD-EZ06SSU-100	321	100	92	10	20	-	6	23	-	-	0.80	A	
		ISO20GBJAD-EZ08SSU-070	321	70	62	12	19	-	8	27	60	-	0.50	A	
		ISO20GBJAD-EZ08SSU-100	321	100	92	12	22	-	8	27	60	-	0.80	A	
		ISO20GBJAD-EZ10SSU-070	321	70	62	14	21	-	10	32	60	-	0.60	A	
		ISO20GBJAD-EZ10SSU-100	321	100	92	14	24	-	10	32	60	-	0.90	A	
		ISO20GBJAD-EZ12SSU-070	321	70	62	16	23	-	12	37	60	-	0.60	A	
		ISO20GBJAD-EZ12SSU-100	321	100	92	16	26	-	12	37	60	-	0.90	A	

STOCK ◎=標準在庫品 // STOCK ©=regular stock | STOCK ○=少量在庫品 // STOCK ◯=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		ISO25GBJAD-EZ03SS-070	320	70	61	9	16	-	3	11	-	-	0.40	A	
		ISO25GBJAD-EZ03SS-100	320	100	91	9	19	-	3	11	-	-	0.70	A	
		ISO25GBJAD-EZ03SS-150	320	150	141	9	24	-	3	11	-	-	1.20	A	
◎		ISO25GBJAD-EZ04SS-070	320	70	61	10	17	-	4	14	-	-	0.40	A	
		ISO25GBJAD-EZ04SS-100	320	100	91	10	20	-	4	14	-	-	0.70	A	
○		ISO25GBJAD-EZ04SS-150	320	150	141	10	25	-	4	14	-	-	1.20	A	
		ISO25GBJAD-EZ05SS-070	320	70	61	11	18	-	5	17	-	-	0.40	A	
		ISO25GBJAD-EZ05SS-100	320	100	91	11	21	-	5	17	-	-	0.70	A	
		ISO25GBJAD-EZ05SS-150	320	150	141	11	26	-	5	17	-	-	1.20	A	
◎		ISO25GBJAD-EZ06SS-070	320	70	61	12	19	-	6	23	-	-	0.50	A	
		ISO25GBJAD-EZ06SS-100	320	100	91	12	22	-	6	23	-	-	0.80	A	
○		ISO25GBJAD-EZ06SS-150	320	150	141	12	27	-	6	23	-	-	1.30	A	
◎		ISO25GBJAD-EZ08SS-070	320	70	61	14	21	-	8	27	60	-	0.50	A	
		ISO25GBJAD-EZ08SS-100	320	100	91	14	24	-	8	27	60	-	0.80	A	
○		ISO25GBJAD-EZ08SS-150	320	150	141	14	29	-	8	27	60	-	1.30	A	
◎		ISO25GBJAD-EZ10SS-070	320	70	61	16	23	-	10	32	60	-	0.60	A	
		ISO25GBJAD-EZ10SS-100	320	100	91	16	26	-	10	32	60	-	0.90	A	
○		ISO25GBJAD-EZ10SS-150	320	150	141	16	31	-	10	32	60	-	1.40	A	
◎		ISO25GBJAD-EZ12SS-070	320	70	61	18	25	-	12	37	60	-	0.60	A	
		ISO25GBJAD-EZ12SS-100	320	100	91	18	28	-	12	37	60	-	0.90	A	
○		ISO25GBJAD-EZ12SS-150	320	150	141	18	33	-	12	37	60	-	1.40	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		ISO25GBJAD-EZ03SSU-070	321	70	61	7	14	-	3	11	-	-	0.40	A	
		ISO25GBJAD-EZ03SSU-100	321	100	91	7	17	-	3	11	-	-	0.70	A	
		ISO25GBJAD-EZ03SSU-150	321	150	141	7	22	-	3	11	-	-	1.20	A	
		ISO25GBJAD-EZ04SSU-070	321	70	61	8	15	-	4	14	-	-	0.40	A	
		ISO25GBJAD-EZ04SSU-100	321	100	91	8	18	-	4	14	-	-	0.70	A	
		ISO25GBJAD-EZ04SSU-150	321	150	141	8	23	-	4	14	-	-	1.20	A	
		ISO25GBJAD-EZ05SSU-070	321	70	61	9	16	-	5	17	-	-	0.40	A	
		ISO25GBJAD-EZ05SSU-100	321	100	91	9	19	-	5	17	-	-	0.70	A	
		ISO25GBJAD-EZ05SSU-150	321	150	141	9	24	-	5	17	-	-	1.20	A	
		ISO25GBJAD-EZ06SSU-070	321	70	61	10	17	-	6	23	-	-	0.50	A	
		ISO25GBJAD-EZ06SSU-100	321	100	91	10	20	-	6	23	-	-	0.80	A	
		ISO25GBJAD-EZ06SSU-150	321	150	141	10	25	-	6	23	-	-	1.30	A	
		ISO25GBJAD-EZ08SSU-070	321	70	61	12	19	-	8	27	60	-	0.50	A	
		ISO25GBJAD-EZ08SSU-100	321	100	91	12	22	-	8	27	60	-	0.80	A	
		ISO25GBJAD-EZ08SSU-150	321	150	141	12	27	-	8	27	60	-	1.30	A	
		ISO25GBJAD-EZ10SSU-070	321	70	61	14	21	-	10	32	60	-	0.60	A	
		ISO25GBJAD-EZ10SSU-100	321	100	91	14	24	-	10	32	60	-	0.90	A	
		ISO25GBJAD-EZ10SSU-150	321	150	141	14	29	-	10	32	60	-	1.40	A	
		ISO25GBJAD-EZ12SSU-070	321	70	61	16	23	-	12	37	60	-	0.60	A	
		ISO25GBJAD-EZ12SSU-100	321	100	91	16	26	-	12	37	60	-	0.90	A	
		ISO25GBJAD-EZ12SSU-150	321	150	141	16	31	-	12	37	60	-	1.40	A	

STOCK ◎=標準在庫品 // STOCK ○=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

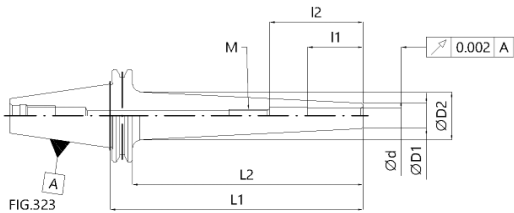
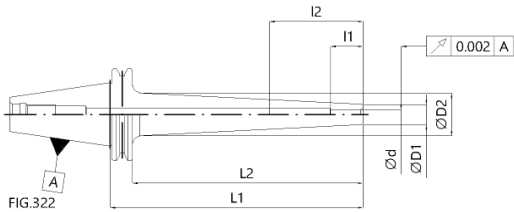
ezShrink EZSS & EZSSU // ISOG-EZSS & ISOG-EZSSU

ezShrink SlimSuper & SlimSuperUltra 無傳動鍵槽超細型與極細型熱膨脹燒結刀柄
ezShrink SlimSuper & SlimSuperUltra shrink fit chucks w/o drive key slots

動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		ISO30GAD-EZ03SS-120	320	120	101	9	20	-	3	11	-	-	0.90	A	
		ISO30GAD-EZ04SS-120	320	120	101	10	21	-	4	14	-	-	0.90	A	
		ISO30GAD-EZ05SS-120	320	120	101	11	22	-	5	17	-	-	0.90	A	
		ISO30GAD-EZ06SS-120	320	120	101	12	23	-	6	23	-	-	1.00	A	
		ISO30GAD-EZ08SS-120	320	120	101	14	25	-	8	27	-	-	1.00	A	
		ISO30GAD-EZ10SS-120	320	120	101	16	27	-	10	32	60	-	1.10	A	
		ISO30GAD-EZ12SS-120	320	120	101	18	29	-	12	37	60	-	1.10	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		ISO30GAD-EZ03SSU-120	321	120	101	7	18	-	3	11	-	-	0.90	A	
		ISO30GAD-EZ04SSU-120	321	120	101	8	19	-	4	14	-	-	0.90	A	
		ISO30GAD-EZ05SSU-120	321	120	101	9	20	-	5	17	-	-	0.90	A	
		ISO30GAD-EZ06SSU-120	321	120	101	10	21	-	6	23	-	-	1.00	A	
		ISO30GAD-EZ08SSU-120	321	120	101	12	23	-	8	27	-	-	1.00	A	
		ISO30GAD-EZ10SSU-120	321	120	101	14	25	-	10	32	60	-	1.10	A	
		ISO30GAD-EZ12SSU-120	321	120	101	16	27	-	12	37	60	-	1.10	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck



動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
▲		TiNGold ISO25GBJAD-EZ04SSU-100	322	100	91	8	18	-	4	14	-	-	0.70	A	
▲		TiNGold ISO25GBJAD-EZ06SUB-100	323	100	91	10	20	-	6	23	37	M5*P0.8	0.80	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request
STOCK ▲=售完停產 // STOCK ▲=No more production after sold out
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZ // BTS

ezShrink EZ // BTS

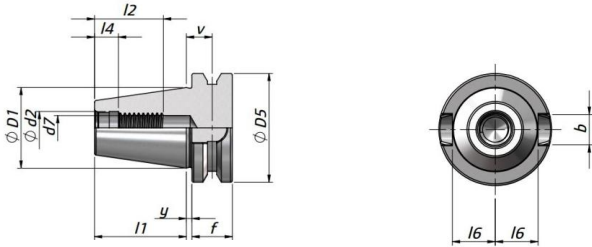
BTS is the norm of 7/24 small taper from Japan,
xxTAD is coolant through center.

BTS是日本規範7/24小錐度圓錐的代號
xxTAD刀柄內帶中心貫穿冷卻孔

CLAMPING FORCE	05T	10T	15T
	1.5KN	2KN	2.5KN
CLAMPING FORCE	20T	S20T	25T
	3KN	3KN	4KN

TAPER	05TAD	10TAD	15TAD
ØD1	12.700	15.875	19.050
Ød2 H8	4.5	5.5	6.5
d7 6H	M4*P0.7	M5*P0.8	M6*P1.0
ØD5 h8	20	23	27
v +/-0.1	6.0	6.0	7.0
y +/-0.4	1.0	1.0	1.5
f	10.0	10.0	11.0
l1 +/-0.2	17.5	22.0	27.0
l2	12	13	15
l4+0.5/0.0	5.0	5.0	5.0
l6 0.0/-0.2	6.5	8.2	9.8
b H12	6.5	6.5	8.1

TAPER	20TAD	S20TAD	25TAD
ØD1	22.225	22.225	25.400
Ød2 H8	8.5	8.5	8.5
d7 6H	M8*P1.25	M8*P1.25	M8*P1.25
ØD5 h8	30	30	35
v +/-0.1	7.0	7.0	8.5
y +/-0.4	1.5	1.5	2.0
f	11.0	11.0	13.0
l1 +/-0.2	33.0	25.0	40.0
l2	18	18	18
l4+0.5/0.0	6.0	6.5	6.0
l6 0.0/-0.2	11.4	11.4	13.0
b H12	8.1	8.1	9.6



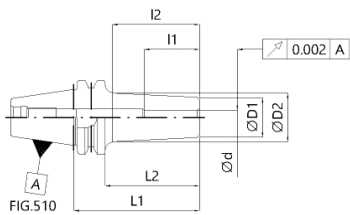
圓錐角度公差 // TAPER ANGLE TOLERANCE			
TAPER	#05 TAPER	#10 TAPER	#15 TAPER
AT1 (mm)	+0.0003/+0.0005	+0.0004/+0.0006	+0.0004/+0.0007
AT2 (mm)	+0.0005/+0.0007	+0.0006/+0.0009	+0.0007/+0.0011
AT3 (mm)	+0.0007/+0.0012	+0.0009/+0.0015	+0.0011/+0.0018
TAPER	#20 TAPER	#25 TAPER	#30 TAPER
AT1 (mm)	+0.0005/+0.0009	+0.0007/+0.0011	+0.0008/+0.0013
AT2 (mm)	+0.0009/+0.0013	+0.0011/+0.0017	+0.0013/+0.0020
AT3 (mm)	+0.0013/+0.0021	+0.0017/+0.0027	+0.0020/+0.0032
圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE			
TAPER	#05 TAPER	#10 TAPER	#15 TAPER
	0.001	0.001	0.001
TAPER	#20 TAPER	#25 TAPER	#30 TAPER
	0.001	0.001	0.001
圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE			
TAPER	#05 TAPER	#10 TAPER	#15 TAPER
	0.001	0.001	0.001
TAPER	#20 TAPER	#25 TAPER	#30 TAPER
	0.001	0.001	0.001

AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準

ezShrink EZSR // BTS-EZSR

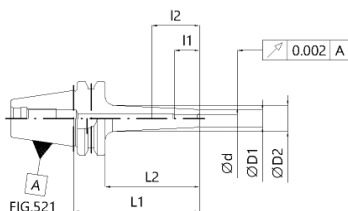
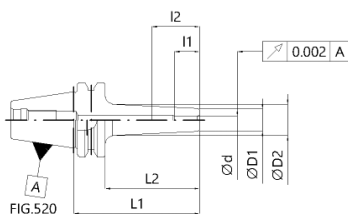
ezShrink SlimRegular 細型熱膨脹燒結刀柄
ezShrink SlimRegular shrink fit chucks



動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	15TAD-EZ03SR-050	510	50	37	13	17	-	3	11	-	-	0.20	A	
	15TAD-EZ04SR-050	510	50	37	14	18	-	4	14	-	-	0.20	A	
	15TAD-EZ05SR-050	510	50	37	15	19	-	5	17	30	-	0.20	A	
	15TAD-EZ06SR-050	510	50	37	16	20	-	6	23	40	-	0.30	A	
	15TAD-EZ08SR-050	510	50	37	18	22	-	8	27	60	-	0.30	A	
	15TAD-EZ10SR-050	510	50	37	20	24	-	10	32	60	-	0.40	A	
	15TAD-EZ12SR-050	510	50	37	22	26	-	12	36	60	-	0.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	S20TAD-EZ03SR-050	510	50	37	13	17	-	3	11	-	-	0.30	A	
	S20TAD-EZ04SR-050	510	50	37	14	18	-	4	14	-	-	0.30	A	
	S20TAD-EZ05SR-050	510	50	37	15	19	-	5	17	-	-	0.30	A	
	S20TAD-EZ06SR-050	510	50	37	16	20	-	6	23	-	-	0.40	A	
	S20TAD-EZ08SR-050	510	50	37	18	22	-	8	27	60	-	0.40	A	
	S20TAD-EZ10SR-050	510	50	37	20	24	-	10	32	60	-	0.50	A	
	S20TAD-EZ12SR-050	510	50	37	22	26	-	12	36	60	-	0.50	A	
	S20TAD-EZ14SR-050	510	50	37	24	28	-	14	36	60	-	0.60	A	
	S20TAD-EZ16SR-050	510	50	37	26	30	-	16	36	60	-	0.60	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	25TAD-EZ03SR-050	510	50	35	13	17	-	3	11	-	-	0.30	A	
	25TAD-EZ04SR-050	510	50	35	14	18	-	4	14	-	-	0.30	A	
	25TAD-EZ05SR-050	510	50	35	15	19	-	5	17	-	-	0.30	A	
	25TAD-EZ06SR-050	510	50	35	16	20	-	6	23	-	-	0.40	A	
	25TAD-EZ08SR-050	510	50	35	18	22	-	8	27	60	-	0.40	A	
	25TAD-EZ10SR-050	510	50	35	20	24	-	10	32	60	-	0.50	A	
	25TAD-EZ12SR-050	510	50	35	22	26	-	12	34	60	-	0.50	A	
	25TAD-EZ14SR-050	510	50	35	24	28	-	14	34	60	-	0.60	A	
	25TAD-EZ16SR-050	510	50	35	26	30	-	16	34	60	-	0.60	A	

STOCK ◎=標準在庫品 // STOCK ©=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck



動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	15TAD-EZ03SS-050	520	50	37	9	13	-	3	11	-	-	0.20	A	
	15TAD-EZ03SS-070	520	70	57	9	15	-	3	11	-	-	0.40	A	
	15TAD-EZ04SS-050	520	50	37	10	14	-	4	14	-	-	0.20	A	
	15TAD-EZ04SS-070	520	70	57	10	16	-	4	14	-	-	0.40	A	
	15TAD-EZ05SS-050	520	50	37	11	15	-	5	17	30	-	0.20	A	
	15TAD-EZ05SS-070	520	70	57	11	17	-	5	17	30	-	0.40	A	
	15TAD-EZ06SS-050	520	50	37	12	16	-	6	23	40	-	0.30	A	
	15TAD-EZ06SS-070	520	70	57	12	18	-	6	23	40	-	0.50	A	
	15TAD-EZ08SS-050	520	50	37	14	18	-	8	27	60	-	0.30	A	
	15TAD-EZ08SS-070	520	70	57	14	20	-	8	27	60	-	0.50	A	
	15TAD-EZ10SS-050	520	50	37	16	20	-	10	32	60	-	0.40	A	
	15TAD-EZ10SS-070	520	70	57	16	22	-	10	32	60	-	0.60	A	
	15TAD-EZ12SS-050	520	50	37	18	22	-	12	36	60	-	0.40	A	
	15TAD-EZ12SS-070	520	70	57	18	24	-	12	37	60	-	0.60	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	15TAD-EZ03SSU-050	521	50	37	7	11	-	3	11	-	-	0.20	A	
	15TAD-EZ03SSU-070	521	70	57	7	13	-	3	11	-	-	0.40	A	
	15TAD-EZ04SSU-050	521	50	37	8	12	-	4	14	-	-	0.20	A	
	15TAD-EZ04SSU-070	521	70	57	8	14	-	4	14	-	-	0.40	A	
	15TAD-EZ05SSU-050	521	50	37	9	13	-	5	17	30	-	0.20	A	
	15TAD-EZ05SSU-070	521	70	57	9	15	-	5	17	30	-	0.40	A	
	15TAD-EZ06SSU-050	521	50	37	10	14	-	6	23	40	-	0.30	A	
	15TAD-EZ06SSU-070	521	70	57	10	16	-	6	23	40	-	0.50	A	
	15TAD-EZ08SSU-050	521	50	37	12	16	-	8	27	60	-	0.30	A	
	15TAD-EZ08SSU-070	521	70	57	12	18	-	8	27	60	-	0.50	A	
	15TAD-EZ10SSU-050	521	50	37	14	18	-	10	32	60	-	0.40	A	
	15TAD-EZ10SSU-070	521	70	57	14	20	-	10	32	60	-	0.60	A	
	15TAD-EZ12SSU-050	521	50	37	16	20	-	12	36	60	-	0.40	A	
	15TAD-EZ12SSU-070	521	70	57	16	22	-	12	37	60	-	0.60	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSS & EZSSU // BTS-EZSS & BTS-EZSSU

ezShrink SlimSuper & SlimSuperUltra 超細型與極細型熱膨脹燒結刀柄
ezShrink SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		S20TAD-EZ03SS-050	520	50	37	9	13	-	3	11	-	-	0.30	A	
		S20TAD-EZ03SS-070	520	70	57	9	15	-	3	11	-	-	0.50	A	
		S20TAD-EZ04SS-050	520	50	37	10	14	-	4	14	-	-	0.30	A	
		S20TAD-EZ04SS-070	520	70	57	10	16	-	4	14	-	-	0.50	A	
		S20TAD-EZ05SS-050	520	50	37	11	15	-	5	17	-	-	0.30	A	
		S20TAD-EZ05SS-070	520	70	57	11	17	-	5	17	-	-	0.50	A	
		S20TAD-EZ06SS-050	520	50	37	12	16	-	6	23	-	-	0.40	A	
		S20TAD-EZ06SS-070	520	70	57	12	18	-	6	23	-	-	0.60	A	
		S20TAD-EZ08SS-050	520	50	37	14	18	-	8	27	60	-	0.40	A	
		S20TAD-EZ08SS-070	520	70	57	14	20	-	8	27	60	-	0.60	A	
		S20TAD-EZ10SS-050	520	50	37	16	20	-	10	32	60	-	0.50	A	
		S20TAD-EZ10SS-070	520	70	57	16	22	-	10	32	60	-	0.70	A	
		S20TAD-EZ12SS-050	520	50	37	18	22	-	12	36	60	-	0.50	A	
		S20TAD-EZ12SS-070	520	70	57	18	24	-	12	37	60	-	0.70	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		S20TAD-EZ03SSU-050	521	50	37	7	11	-	3	11	-	-	0.30	A	
		S20TAD-EZ03SSU-070	521	70	57	7	13	-	3	11	-	-	0.50	A	
		S20TAD-EZ04SSU-050	521	50	37	8	12	-	4	14	-	-	0.30	A	
		S20TAD-EZ04SSU-070	521	70	57	8	14	-	4	14	-	-	0.50	A	
		S20TAD-EZ05SSU-050	521	50	37	9	13	-	5	17	-	-	0.30	A	
		S20TAD-EZ05SSU-070	521	70	57	9	15	-	5	17	-	-	0.50	A	
		S20TAD-EZ06SSU-050	521	50	37	10	14	-	6	23	-	-	0.40	A	
		S20TAD-EZ06SSU-070	521	70	57	10	16	-	6	23	-	-	0.60	A	
		S20TAD-EZ08SSU-050	521	50	37	12	16	-	8	27	60	-	0.40	A	
		S20TAD-EZ08SSU-070	521	70	57	12	18	-	8	27	60	-	0.60	A	
		S20TAD-EZ10SSU-050	521	50	37	14	18	-	10	32	60	-	0.50	A	
		S20TAD-EZ10SSU-070	521	70	57	14	20	-	10	32	60	-	0.70	A	
		S20TAD-EZ12SSU-050	521	50	37	16	20	-	12	36	60	-	0.50	A	
		S20TAD-EZ12SSU-070	521	70	57	16	22	-	12	37	60	-	0.70	A	

STOCK ◎=標準在庫品 // STOCK ©=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		25TAD-EZ03SS-050	520	50	35	9	13	-	3	11	-	-	0.30	A	
		25TAD-EZ03SS-070	520	70	55	9	15	-	3	11	-	-	0.50	A	
		25TAD-EZ04SS-050	520	50	35	10	14	-	4	14	-	-	0.30	A	
		25TAD-EZ04SS-070	520	70	55	10	16	-	4	14	-	-	0.50	A	
		25TAD-EZ05SS-050	520	50	35	11	15	-	5	17	-	-	0.30	A	
		25TAD-EZ05SS-070	520	70	55	11	17	-	5	17	-	-	0.50	A	
		25TAD-EZ06SS-050	520	50	35	12	16	-	6	23	-	-	0.40	A	
		25TAD-EZ06SS-070	520	70	55	12	18	-	6	23	-	-	0.60	A	
		25TAD-EZ08SS-050	520	50	35	14	18	-	8	27	60	-	0.40	A	
		25TAD-EZ08SS-070	520	70	55	14	20	-	8	27	60	-	0.60	A	
		25TAD-EZ10SS-050	520	50	35	16	20	-	10	32	60	-	0.50	A	
		25TAD-EZ10SS-070	520	70	55	16	22	-	10	32	60	-	0.70	A	
		25TAD-EZ12SS-050	520	50	35	18	22	-	12	34	60	-	0.50	A	
		25TAD-EZ12SS-070	520	70	55	18	24	-	12	37	60	-	0.70	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		25TAD-EZ03SSU-050	521	50	35	7	11	-	3	11	-	-	0.30	A	
		25TAD-EZ03SSU-070	521	70	55	7	13	-	3	11	-	-	0.50	A	
		25TAD-EZ04SSU-050	521	50	35	8	12	-	4	14	-	-	0.30	A	
		25TAD-EZ04SSU-070	521	70	55	8	14	-	4	14	-	-	0.50	A	
		25TAD-EZ05SSU-050	521	50	35	9	13	-	5	17	-	-	0.30	A	
		25TAD-EZ05SSU-070	521	70	55	9	15	-	5	17	-	-	0.50	A	
		25TAD-EZ06SSU-050	521	50	35	10	14	-	6	23	-	-	0.40	A	
		25TAD-EZ06SSU-070	521	70	55	10	16	-	6	23	-	-	0.60	A	
		25TAD-EZ08SSU-050	521	50	35	12	16	-	8	27	60	-	0.40	A	
		25TAD-EZ08SSU-070	521	70	55	12	18	-	8	27	60	-	0.60	A	
		25TAD-EZ10SSU-050	521	50	35	14	18	-	10	32	60	-	0.50	A	
		25TAD-EZ10SSU-070	521	70	55	14	20	-	10	32	60	-	0.70	A	
		25TAD-EZ12SSU-050	521	50	35	16	20	-	12	34	60	-	0.50	A	
		25TAD-EZ12SSU-070	521	70	55	16	22	-	12	37	60	-	0.70	A	

STOCK ◎=標準在庫品 // STOCK ©=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZ // β-SK

ezShrink EZ // β-SK

β-SK is the norm of 7/24 SK taper and face contact
β-SK**A is standard type
β-SK**AD is standard type with coolant through center
β-SK**B is standard type with coolant through flange
β-SK**AD/B is standard type with both type coolant through

β-SK toolholder with IC chip hole is a standard product from YAMAKEN

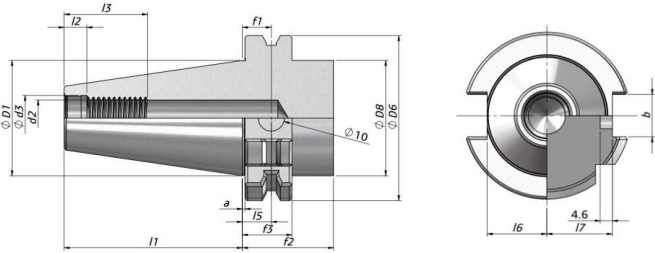
β-SK是SK 7/24圓錐與端面接觸版本
β-SK**A是標準型刀柄

β-SK**AD是標準型刀柄內帶中心貫穿冷卻孔
β-SK**B是標準型刀柄法蘭端面帶冷卻孔
β-SK**AD/B是標準型刀柄將兩種內冷卻方式整合

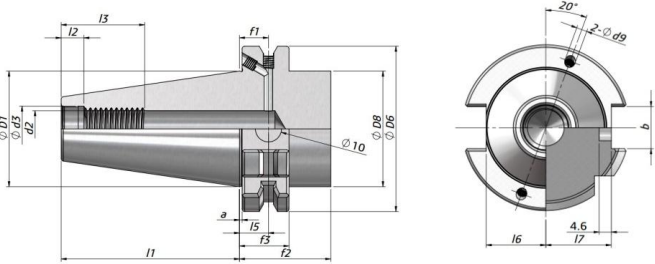
β-SK刀柄上有一個IC晶片孔是山謙的生產標準品

CLAMPING FORCE	β-SK30	β-SK40	β-SK50
	6KN	12KN	25KN

TAPER	β-SK30AD	β-SK40AD	β-SK50AD
	β-JT30AD	β-JT40AD	β-JT50AD
	β-ISO30AD	β-ISO40AD	β-ISO50AD
ØD1	31.75	44.45	69.85
d2	M12*P1.75	M16*P2.0	M24*P3.0
Ød3 H7	13	17	25
ØD6 0.0/-0.1	50.00	63.55	97.50
ØD8 max.	45	50	80
a +0/-0.005	1.0	1.0	1.5
f1 +/-0.1	11.1	11.1	11.1
f2 min.	35	35	35
f3 0.0/-0.1	19.1	19.1	19.1
l1 +/-0.3	47.80	68.40	101.75
l2 +0.5/0.0	5.5	8.2	11.5
l3	24	32	47
l6 0.0/-0.4	16.4	22.8	35.5
l7 0.0/-0.4	19.0	25.0	37.7
b H12	16.1	16.1	25.7



TAPER	β-SK30AD/B	β-SK40AD/B	β-SK50AD/B
	β-JT30AD/B	β-JT40AD/B	β-JT50AD/B
	β-ISO30AD/F	β-ISO40AD/F	β-ISO50AD/F
e1 +/-0.1	21	27	42
Ød9	2.0	4.0	6.0



圓錐角度公差 // TAPER ANGLE TOLERANCE

TAPER	#30 TAPER	#40 TAPER	#50 TAPER
AT1 (mm)	+0.0008/+0.0013	+0.0010/+0.0016	+0.0013/+0.0020
AT2 (mm)	+0.0013/+0.0020	+0.0016/+0.0025	+0.0020/+0.0032
AT3 (mm)	+0.0020/+0.0032	+0.0025/+0.0040	+0.0032/+0.0050

圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE

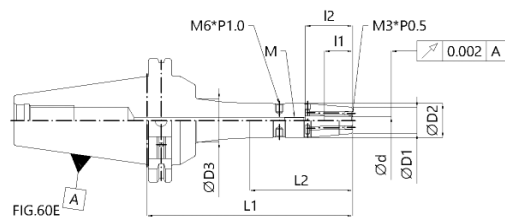
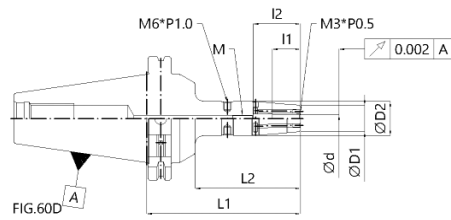
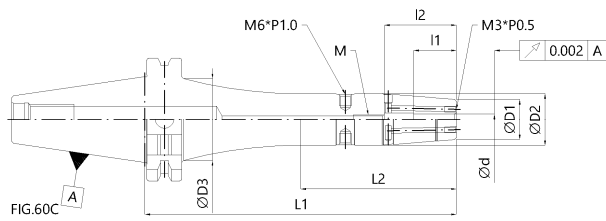
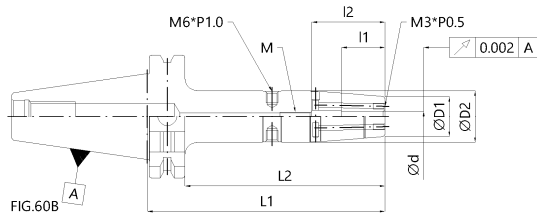
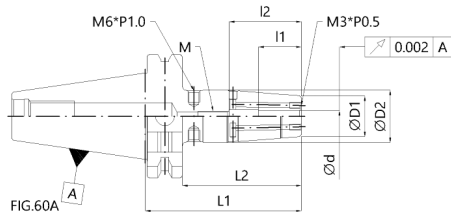
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
	0.002	0.002	0.003

圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE

TAPER	#30 TAPER	#40 TAPER	#50 TAPER
	0.001	0.001	0.002

AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準



ezShrink EZKK // RF β-SK-EZKK

ezShrink+ezKool RF防鏽鍍層鼻端噴水熱膨脹燒結刀柄
ezShrink RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		RF β-SK40AD-EZ06-080KK	60A	80	61	21	27	-	6	23	37	M5*P0.8	1.00	A	
O		RF β-SK40AD-EZ06-120KK	60B	120	101	21	27	-	6	23	37	M5*P0.8	1.40	A	
O		RF β-SK40AD-EZ06-160KK	60C	160	80	21	27	43	6	23	37	M5*P0.8	1.80	A	
O		RF β-SK40AD-EZ06-200KK	60C	200	120	21	27	43	6	23	37	M5*P0.8	2.20	A	
O		RF β-SK40AD-EZ08-080KK	60A	80	61	21	27	-	8	27	37	M6*P1.0	1.00	A	
O		RF β-SK40AD-EZ08-120KK	60B	120	101	21	27	-	8	27	37	M6*P1.0	1.40	A	
O		RF β-SK40AD-EZ08-160KK	60C	160	80	21	27	43	8	27	37	M6*P1.0	1.80	A	
O		RF β-SK40AD-EZ08-200KK	60C	200	120	21	27	43	8	27	37	M6*P1.0	2.20	A	
O		RF β-SK40AD-EZ10-080KK	60A	80	61	24	32	-	10	32	42	M8*P1.0	1.10	A	
O		RF β-SK40AD-EZ10-120KK	60B	120	101	24	32	-	10	32	42	M8*P1.0	1.50	A	
O		RF β-SK40AD-EZ10-160KK	60C	160	80	24	32	44	10	32	42	M8*P1.0	1.90	A	
O		RF β-SK40AD-EZ10-200KK	60C	200	120	24	32	44	10	32	42	M8*P1.0	2.30	A	
O		RF β-SK40AD-EZ12-080KK	60A	80	61	24	32	-	12	37	48	M10*P1.0	1.10	A	
O		RF β-SK40AD-EZ12-120KK	60B	120	101	24	32	-	12	37	48	M10*P1.0	1.50	A	
O		RF β-SK40AD-EZ12-160KK	60C	160	80	24	32	44	12	37	48	M10*P1.0	1.90	A	
O		RF β-SK40AD-EZ12-200KK	60C	200	120	24	32	44	12	37	48	M10*P1.0	2.30	A	
O		RF β-SK40AD-EZ14-080KK	60A	80	61	27	34	-	14	37	48	M10*P1.0	1.20	A	
O		RF β-SK40AD-EZ14-120KK	60B	120	101	27	34	-	14	37	48	M10*P1.0	1.60	A	
O		RF β-SK40AD-EZ14-160KK	60C	160	80	27	34	45	14	37	48	M10*P1.0	2.00	A	
O		RF β-SK40AD-EZ14-200KK	60C	200	120	27	34	45	14	37	48	M10*P1.0	2.40	A	
O		RF β-SK40AD-EZ16-080KK	60A	80	61	27	34	-	16	40	51	M12*P1.0	1.20	A	
O		RF β-SK40AD-EZ16-120KK	60B	120	101	27	34	-	16	40	51	M12*P1.0	1.60	A	
O		RF β-SK40AD-EZ16-160KK	60C	160	80	27	34	45	16	40	51	M12*P1.0	2.00	A	
O		RF β-SK40AD-EZ16-200KK	60C	200	120	27	34	45	16	40	51	M12*P1.0	2.40	A	
O		RF β-SK40AD-EZ18-080KK	60A	80	61	33	41	-	18	40	51	M12*P1.0	1.30	A	
O		RF β-SK40AD-EZ18-120KK	60B	120	101	33	41	-	18	40	51	M12*P1.0	1.70	A	
O		RF β-SK40AD-EZ18-160KK	60C	160	80	33	41	48	18	40	51	M12*P1.0	2.10	A	
O		RF β-SK40AD-EZ18-200KK	60C	200	120	33	41	48	18	40	51	M12*P1.0	2.50	A	
O		RF β-SK40AD-EZ20-080KK	60A	80	61	33	41	-	20	42	53	M16*P1.0	1.30	A	
O		RF β-SK40AD-EZ20-120KK	60B	120	101	33	41	-	20	42	53	M16*P1.0	1.70	A	
O		RF β-SK40AD-EZ20-160KK	60C	160	80	33	41	48	20	42	53	M16*P1.0	2.10	A	
O		RF β-SK40AD-EZ20-200KK	60C	200	120	33	41	48	20	42	53	M16*P1.0	2.50	A	
O		RF β-SK40AD-EZ25-100KK	60A	100	81	44	53	-	25	48	59	M16*P1.0	1.90	A	
O		RF β-SK40AD-EZ25-120KK	60B	120	101	44	53	-	25	48	59	M16*P1.0	2.10	A	
O		RF β-SK40AD-EZ25-160KK	60B	160	141	44	53	-	25	48	59	M16*P1.0	2.50	A	
O		RF β-SK40AD-EZ25-200KK	60B	200	181	44	53	-	25	48	59	M16*P1.0	2.90	A	
O		RF β-SK40AD-EZ32-100KK	60A	100	81	44	53	-	32	52	63	M16*P1.0	1.90	A	
O		RF β-SK40AD-EZ32-120KK	60B	120	101	44	53	-	32	52	63	M16*P1.0	2.10	A	
O		RF β-SK40AD-EZ32-160KK	60B	160	141	44	53	-	32	52	63	M16*P1.0	2.50	A	
O		RF β-SK40AD-EZ32-200KK	60B	200	181	44	53	-	32	52	63	M16*P1.0	2.90	A	

產品FIG.60A, 60B & 60C出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.60A, 60B & 60C EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.60A, 60B & 60C出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.60A, 60B & 60C EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產產品 // STOCK BLANK=on request

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		RF β-SK50AD-EZX06-120KK	60D	120	80	21	27	-	6	23	37	M5*P0.8	3.00	C	
O		RF β-SK50AD-EZX06-160KK	60E	160	80	21	27	34	6	23	37	M5*P0.8	3.40	C	
O		RF β-SK50AD-EZX06-200KK	60E	200	120	21	27	34	6	23	37	M5*P0.8	3.80	C	
O		RF β-SK50AD-EZX08-120KK	60D	120	80	21	27	-	8	27	37	M6*P1.0	3.00	C	
O		RF β-SK50AD-EZX08-160KK	60E	160	80	21	27	34	8	27	37	M6*P1.0	3.40	C	
O		RF β-SK50AD-EZX08-200KK	60E	200	120	21	27	34	8	27	37	M6*P1.0	3.80	C	
O		RF β-SK50AD-EZX10-120KK	60D	120	80	24	32	-	10	32	42	M8*P1.0	3.10	C	
O		RF β-SK50AD-EZX10-160KK	60E	160	80	24	32	38	10	32	42	M8*P1.0	3.50	C	
O		RF β-SK50AD-EZX10-200KK	60E	200	120	24	32	38	10	32	42	M8*P1.0	3.90	C	
O		RF β-SK50AD-EZX12-120KK	60D	120	80	24	32	-	12	37	48	M10*P1.0	3.10	C	
O		RF β-SK50AD-EZX12-160KK	60E	160	80	24	32	38	12	37	48	M10*P1.0	3.50	C	
O		RF β-SK50AD-EZX12-200KK	60E	200	120	24	32	38	12	37	48	M10*P1.0	3.90	C	
O		RF β-SK50AD-EZX14-120KK	60D	120	80	27	34	-	14	37	48	M10*P1.0	3.20	C	
O		RF β-SK50AD-EZX14-160KK	60E	160	80	27	34	40	14	37	48	M10*P1.0	3.60	C	
O		RF β-SK50AD-EZX14-200KK	60E	200	120	27	34	40	14	37	48	M10*P1.0	4.00	C	
O		RF β-SK50AD-EZX16-120KK	60D	120	80	27	34	-	16	40	51	M12*P1.0	3.20	C	
O		RF β-SK50AD-EZX16-160KK	60E	160	80	27	34	40	16	40	51	M12*P1.0	3.60	C	
O		RF β-SK50AD-EZX16-200KK	60E	200	120	27	34	40	16	40	51	M12*P1.0	4.00	C	
O		RF β-SK50AD-EZX18-120KK	60D	120	80	33	41	-	18	40	51	M12*P1.0	3.30	C	
O		RF β-SK50AD-EZX18-160KK	60E	160	80	33	41	46	18	40	51	M12*P1.0	3.70	C	
O		RF β-SK50AD-EZX18-200KK	60E	200	120	33	41	46	18	40	51	M12*P1.0	4.10	C	
O		RF β-SK50AD-EZX20-120KK	60D	120	80	33	41	-	20	42	53	M16*P1.0	3.30	C	
O		RF β-SK50AD-EZX20-160KK	60E	160	80	33	41	46	20	42	53	M16*P1.0	3.70	C	
O		RF β-SK50AD-EZX20-200KK	60E	200	120	33	41	46	20	42	53	M16*P1.0	4.10	C	
O		RF β-SK50AD-EZX25-120KK	60B	120	101	44	53	-	25	48	59	M16*P1.0	3.70	C	
O		RF β-SK50AD-EZX25-160KK	60C	160	80	44	53	64	25	48	59	M16*P1.0	4.10	C	
O		RF β-SK50AD-EZX25-200KK	60C	200	120	44	53	64	25	48	59	M16*P1.0	4.50	C	
O		RF β-SK50AD-EZX32-120KK	60B	120	101	44	53	-	32	52	63	M16*P1.0	3.70	C	
O		RF β-SK50AD-EZX32-160KK	60C	160	80	44	53	64	32	52	63	M16*P1.0	4.10	C	
O		RF β-SK50AD-EZX32-200KK	60C	200	120	44	53	64	32	52	63	M16*P1.0	4.50	C	

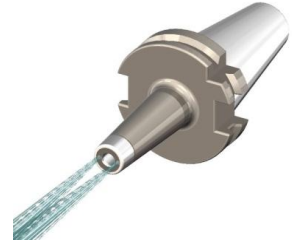
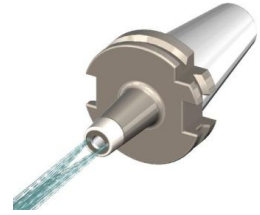
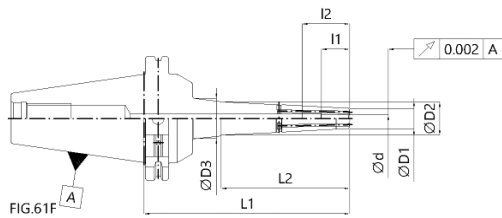
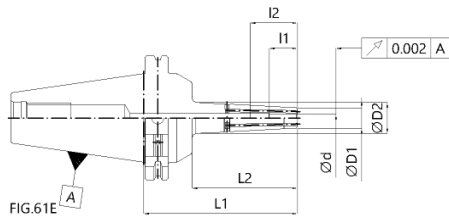
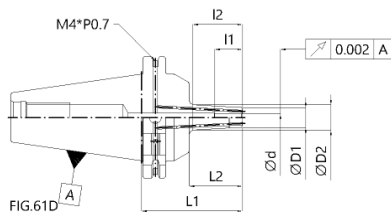
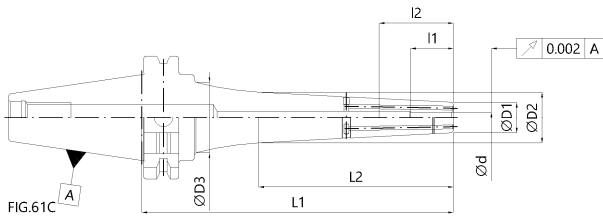
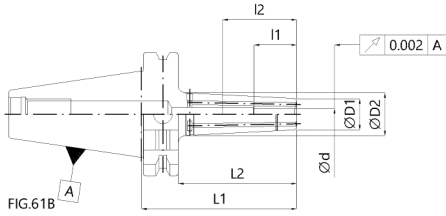
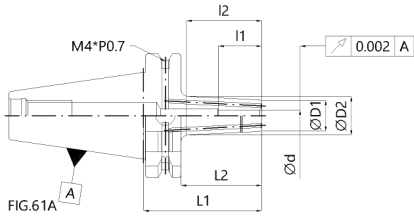
產品FIG.60B, 60C, 60D & 60E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.60B, 60C, 60D & 60E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.60B, 60C, 60D & 60E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.60B, 60C, 60D & 60E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產產品 // STOCK BLANK=on request

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck



ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-SK40AD-EZ03SR-060KV	61A	60	41	13	17	-	3	11	-	-	0.70	A	
		RF β-SK40AD-EZ03SR-080KK	61B	80	61	13	19	-	3	11	-	-	0.90	A	
		RF β-SK40AD-EZ03SR-120KK	61B	120	101	13	23	-	3	11	-	-	1.30	A	
		RF β-SK40AD-EZ03SR-160KK	61C	160	100	13	24	34	3	11	-	-	1.70	A	
		RF β-SK40AD-EZ03SR-200KK	61C	200	100	13	24	40	3	11	-	-	2.10	A	
		RF β-SK40AD-EZ04SR-060KV	61A	60	41	14	18	-	4	14	-	-	0.70	A	
		RF β-SK40AD-EZ04SR-080KK	61B	80	61	14	20	-	4	14	-	-	0.90	A	
		RF β-SK40AD-EZ04SR-120KK	61B	120	101	14	24	-	4	14	-	-	1.30	A	
		RF β-SK40AD-EZ04SR-160KK	61C	160	100	14	25	35	4	14	-	-	1.70	A	
		RF β-SK40AD-EZ04SR-200KK	61C	200	100	14	25	41	4	14	-	-	2.10	A	
		RF β-SK40AD-EZ05SR-060KV	61A	60	41	15	19	-	5	17	-	-	0.70	A	
		RF β-SK40AD-EZ05SR-080KK	61B	80	61	15	21	-	5	17	-	-	0.90	A	
		RF β-SK40AD-EZ05SR-120KK	61B	120	101	15	25	-	5	17	-	-	1.30	A	
		RF β-SK40AD-EZ05SR-160KK	61C	160	100	15	26	36	5	17	-	-	1.70	A	
		RF β-SK40AD-EZ05SR-200KK	61C	200	100	15	26	42	5	17	-	-	2.10	A	
		RF β-SK40AD-EZ06SR-060KV	61A	60	41	16	20	-	6	23	-	-	0.80	A	
		RF β-SK40AD-EZ06SR-080KK	61B	80	61	16	22	-	6	23	-	-	1.00	A	
		RF β-SK40AD-EZ06SR-120KK	61B	120	101	16	26	-	6	23	-	-	1.40	A	
		RF β-SK40AD-EZ06SR-160KK	61C	160	100	16	27	37	6	23	-	-	1.80	A	
		RF β-SK40AD-EZ06SR-200KK	61C	200	100	16	27	43	6	23	-	-	2.20	A	
		RF β-SK40AD-EZ08SR-060KV	61A	60	41	18	22	-	8	27	-	-	0.80	A	
		RF β-SK40AD-EZ08SR-080KK	61B	80	61	18	24	-	8	27	-	-	1.00	A	
		RF β-SK40AD-EZ08SR-120KK	61B	120	101	18	28	-	8	27	-	-	1.40	A	
		RF β-SK40AD-EZ08SR-160KK	61C	160	100	18	29	38	8	27	-	-	1.80	A	
		RF β-SK40AD-EZ08SR-200KK	61C	200	100	18	29	44	8	27	-	-	2.20	A	
		RF β-SK40AD-EZ10SR-060KV	61A	60	41	20	24	-	10	32	-	-	0.90	A	
		RF β-SK40AD-EZ10SR-080KK	61B	80	61	20	26	-	10	32	-	-	1.10	A	
		RF β-SK40AD-EZ10SR-120KK	61B	120	101	20	30	-	10	32	-	-	1.50	A	
		RF β-SK40AD-EZ10SR-160KK	61C	160	100	20	31	40	10	32	-	-	1.90	A	
		RF β-SK40AD-EZ10SR-200KK	61C	200	100	20	31	44	10	32	-	-	2.30	A	
		RF β-SK40AD-EZ12SR-060KV	61A	60	41	22	26	-	12	37	-	-	0.90	A	
		RF β-SK40AD-EZ12SR-080KK	61B	80	61	22	28	-	12	37	-	-	1.10	A	
		RF β-SK40AD-EZ12SR-120KK	61B	120	101	22	32	-	12	37	-	-	1.50	A	
		RF β-SK40AD-EZ12SR-160KK	61C	160	100	22	33	40	12	37	-	-	1.90	A	
		RF β-SK40AD-EZ12SR-200KK	61C	200	100	22	33	44	12	37	-	-	2.30	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // RF β-SK-EZSRKK

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-SK40AD-EZ14SR-060KV	61A	60	41	24	28	-	14	37	60	-	1.00	A	
		RF β-SK40AD-EZ14SR-080KK	61B	80	61	24	30	-	14	37	80	-	1.20	A	
		RF β-SK40AD-EZ14SR-120KK	61B	120	101	24	34	-	14	37	80	-	1.60	A	
		RF β-SK40AD-EZ14SR-160KK	61C	160	100	24	35	41	14	37	80	-	2.00	A	
		RF β-SK40AD-EZ14SR-200KK	61C	200	173	24	42	44	14	37	80	-	2.40	A	
		RF β-SK40AD-EZ16SR-060KV	61A	60	41	26	30	-	16	40	60	-	1.00	A	
		RF β-SK40AD-EZ16SR-080KK	61B	80	61	26	32	-	16	40	80	-	1.20	A	
		RF β-SK40AD-EZ16SR-120KK	61B	120	101	26	36	-	16	40	80	-	1.60	A	
		RF β-SK40AD-EZ16SR-160KK	61C	160	100	26	37	42	16	40	80	-	2.00	A	
		RF β-SK40AD-EZ16SR-200KK	61C	200	173	26	44	44	16	40	80	-	2.40	A	
		RF β-SK40AD-EZ18SR-060KV	61A	60	41	28	32	-	18	40	60	-	1.10	A	
		RF β-SK40AD-EZ18SR-080KK	61B	80	61	28	34	-	18	40	80	-	1.30	A	
		RF β-SK40AD-EZ18SR-120KK	61B	120	101	28	38	-	18	40	80	-	1.70	A	
		RF β-SK40AD-EZ18SR-160KK	61B	160	141	28	42	-	18	40	80	-	2.10	A	
		RF β-SK40AD-EZ18SR-200KK	61B	200	181	28	46	-	18	40	80	-	2.50	A	
		RF β-SK40AD-EZ20SR-060KV	61A	60	41	30	34	-	20	40	60	-	1.10	A	
		RF β-SK40AD-EZ20SR-080KK	61B	80	61	30	36	-	20	42	80	-	1.30	A	
		RF β-SK40AD-EZ20SR-120KK	61B	120	101	30	40	-	20	42	80	-	1.70	A	
		RF β-SK40AD-EZ20SR-160KK	61B	160	141	30	44	-	20	42	80	-	2.10	A	
		RF β-SK40AD-EZ20SR-200KK	61B	200	181	30	48	-	20	42	80	-	2.50	A	
		RF β-SK40AD-EZ25SR-060KV	61A	60	41	35	39	-	25	40	60	-	1.50	A	
		RF β-SK40AD-EZ25SR-080KK	61B	80	61	35	41	-	25	48	80	-	1.70	A	
		RF β-SK40AD-EZ25SR-120KK	61B	120	101	35	45	-	25	48	100	-	2.10	A	
		RF β-SK40AD-EZ25SR-160KK	61B	160	141	35	48	-	25	48	100	-	2.50	A	
		RF β-SK40AD-EZ25SR-200KK	61B	200	181	35	51	-	25	48	100	-	2.90	A	
		RF β-SK40AD-EZ32SR-060KV	61A	60	41	42	46	-	32	40	60	-	1.50	A	
		RF β-SK40AD-EZ32SR-080KK	61B	80	61	42	48	-	32	52	80	-	1.70	A	
		RF β-SK40AD-EZ32SR-120KK	61B	120	101	42	50	-	32	52	100	-	2.10	A	
		RF β-SK40AD-EZ32SR-160KK	61B	160	141	42	54	-	32	52	100	-	2.50	A	
		RF β-SK40AD-EZ32SR-200KK	61B	200	181	42	58	-	32	52	100	-	2.90	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-SK50AD-EZX03SR-080KV	61D	80	40	13	18	-	3	11	-	-	2.50	C	
		RF β-SK50AD-EZX03SR-100KV	61D	100	60	13	20	-	3	11	-	-	2.70	C	
		RF β-SK50AD-EZX03SR-120KK	61E	120	80	13	22	-	3	11	-	-	2.90	C	
		RF β-SK50AD-EZX03SR-160KK	61F	160	100	13	24	28	3	11	-	-	3.30	C	
		RF β-SK50AD-EZX03SR-200KK	61F	200	100	13	24	36	3	11	-	-	3.70	C	
		RF β-SK50AD-EZX04SR-080KV	61D	80	40	14	19	-	4	14	-	-	2.50	C	
		RF β-SK50AD-EZX04SR-100KV	61D	100	60	14	21	-	4	14	-	-	2.70	C	
		RF β-SK50AD-EZX04SR-120KK	61E	120	80	14	23	-	4	14	-	-	2.90	C	
		RF β-SK50AD-EZX04SR-160KK	61F	160	100	14	25	29	4	14	-	-	3.30	C	
		RF β-SK50AD-EZX04SR-200KK	61F	200	100	14	25	37	4	14	-	-	3.70	C	
		RF β-SK50AD-EZX05SR-080KV	61D	80	40	15	20	-	5	17	-	-	2.50	C	
		RF β-SK50AD-EZX05SR-100KV	61D	100	60	15	22	-	5	17	-	-	2.70	C	
		RF β-SK50AD-EZX05SR-120KK	61E	120	80	15	24	-	5	17	-	-	2.90	C	
		RF β-SK50AD-EZX05SR-160KK	61F	160	100	15	26	30	5	17	-	-	3.30	C	
		RF β-SK50AD-EZX05SR-200KK	61F	200	100	15	26	38	5	17	-	-	3.70	C	
		RF β-SK50AD-EZX06SR-080KV	61D	80	40	16	21	-	6	23	-	-	2.60	C	
		RF β-SK50AD-EZX06SR-100KV	61D	100	60	16	23	-	6	23	-	-	2.80	C	
		RF β-SK50AD-EZX06SR-120KK	61E	120	80	16	25	-	6	23	-	-	3.00	C	
		RF β-SK50AD-EZX06SR-160KK	61F	160	100	16	27	31	6	23	-	-	3.40	C	
		RF β-SK50AD-EZX06SR-200KK	61F	200	100	16	27	39	6	23	-	-	3.80	C	
		RF β-SK50AD-EZX08SR-080KV	61D	80	40	18	23	-	8	27	-	-	2.60	C	
		RF β-SK50AD-EZX08SR-100KV	61D	100	60	18	25	-	8	27	-	-	2.80	C	
		RF β-SK50AD-EZX08SR-120KK	61E	120	80	18	27	-	8	27	-	-	3.00	C	
		RF β-SK50AD-EZX08SR-160KK	61F	160	100	18	29	33	8	27	-	-	3.40	C	
		RF β-SK50AD-EZX08SR-200KK	61F	200	100	18	29	40	8	27	-	-	3.80	C	
		RF β-SK50AD-EZX10SR-080KV	61D	80	40	20	25	-	10	32	-	-	2.70	C	
		RF β-SK50AD-EZX10SR-100KV	61D	100	60	20	27	-	10	32	-	-	2.90	C	
		RF β-SK50AD-EZX10SR-120KK	61E	120	80	20	29	-	10	32	-	-	3.10	C	
		RF β-SK50AD-EZX10SR-160KK	61F	160	100	20	31	35	10	32	-	-	3.50	C	
		RF β-SK50AD-EZX10SR-200KK	61F	200	100	20	31	41	10	32	-	-	3.90	C	
		RF β-SK50AD-EZX12SR-080KV	61D	80	40	22	27	-	12	37	-	-	2.70	C	
		RF β-SK50AD-EZX12SR-100KV	61D	100	60	22	29	-	12	37	-	-	2.90	C	
		RF β-SK50AD-EZX12SR-120KK	61E	120	80	22	31	-	12	37	-	-	3.10	C	
		RF β-SK50AD-EZX12SR-160KK	61F	160	100	22	33	36	12	37	-	-	3.50	C	
		RF β-SK50AD-EZX12SR-200KK	61F	200	100	22	33	42	12	37	-	-	3.90	C	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // RF β-SK-EZSRKK

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄

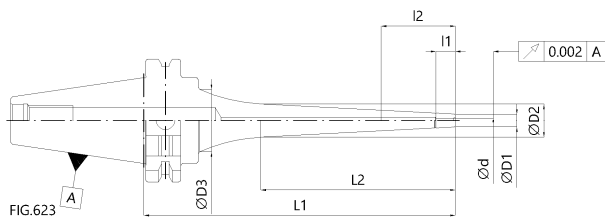
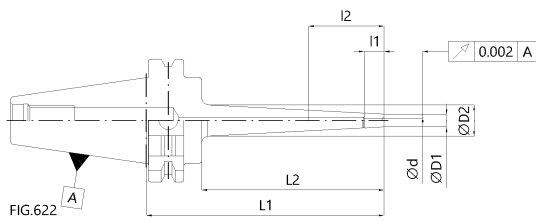
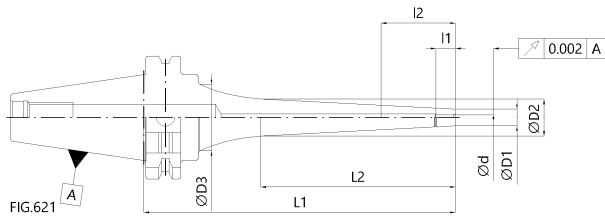
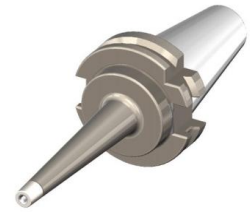
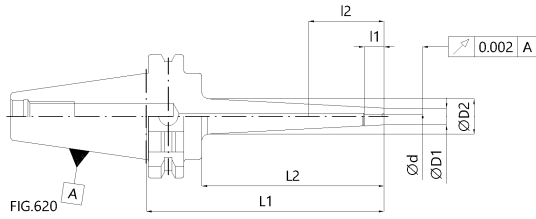
ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-SK50AD-EZX14SR-080KV	61D	80	40	24	29	-	14	37	-	-	2.80	C	
		RF β-SK50AD-EZX14SR-100KV	61D	100	60	24	31	-	14	37	-	-	3.00	C	
		RF β-SK50AD-EZX14SR-120KK	61E	120	80	24	36	-	14	37	-	-	3.20	C	
		RF β-SK50AD-EZX14SR-160KK	61F	160	100	24	35	38	14	37	-	-	3.60	C	
		RF β-SK50AD-EZX14SR-200KK	61E	200	160	24	41	-	14	37	-	-	4.00	C	
		RF β-SK50AD-EZX16SR-080KV	61D	80	40	26	31	-	16	39	-	-	2.80	C	
		RF β-SK50AD-EZX16SR-100KV	61D	100	60	26	33	-	16	40	-	-	3.00	C	
		RF β-SK50AD-EZX16SR-120KK	61E	120	80	26	35	-	16	40	-	-	3.20	C	
		RF β-SK50AD-EZX16SR-160KK	61F	160	100	26	37	40	16	40	-	-	3.60	C	
		RF β-SK50AD-EZX16SR-200KK	61E	200	160	26	43	-	16	40	-	-	4.00	C	
		RF β-SK50AD-EZX18SR-080KV	61D	80	40	28	33	-	18	39	-	-	2.90	C	
		RF β-SK50AD-EZX18SR-100KV	61D	100	60	28	35	-	18	40	-	-	3.10	C	
		RF β-SK50AD-EZX18SR-120KK	61E	120	80	28	37	-	18	40	-	-	3.30	C	
		RF β-SK50AD-EZX18SR-160KK	61E	160	120	28	41	-	18	40	-	-	3.70	C	
		RF β-SK50AD-EZX18SR-200KK	61E	200	160	28	45	-	18	40	-	-	4.10	C	
		RF β-SK50AD-EZX20SR-080KV	61D	80	40	30	35	-	20	39	-	-	2.90	C	
		RF β-SK50AD-EZX20SR-100KV	61D	100	60	30	37	-	20	42	-	-	3.10	C	
		RF β-SK50AD-EZX20SR-120KK	61E	120	80	30	39	-	20	42	-	-	3.30	C	
		RF β-SK50AD-EZX20SR-160KK	61E	160	120	30	43	-	20	42	-	-	3.70	C	
		RF β-SK50AD-EZX20SR-200KK	61E	200	160	30	47	-	20	42	-	-	4.10	C	
		RF β-SK50AD-EZ25SR-080KK	61B	80	61	35	42	-	25	48	80	-	3.30	C	
		RF β-SK50AD-EZ25SR-100KK	61B	100	81	35	44	-	25	48	100	-	3.50	C	
		RF β-SK50AD-EZ25SR-120KK	61B	120	101	35	46	-	25	48	100	-	3.70	C	
		RF β-SK50AD-EZ25SR-160KK	61B	160	141	35	50	-	25	48	100	-	4.10	C	
		RF β-SK50AD-EZ25SR-200KK	61B	200	181	35	54	-	25	48	100	-	4.50	C	
		RF β-SK50AD-EZ32SR-080KK	61B	80	61	42	49	-	32	52	80	-	3.30	C	
		RF β-SK50AD-EZ32SR-100KK	61B	100	81	42	51	-	32	52	100	-	3.50	C	
		RF β-SK50AD-EZ32SR-120KK	61B	120	101	42	53	-	32	52	100	-	3.70	C	
		RF β-SK50AD-EZ32SR-160KK	61B	160	141	42	57	-	32	52	100	-	4.10	C	
		RF β-SK50AD-EZ32SR-200KK	61B	200	181	42	61	-	32	52	100	-	4.50	C	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck



ezShrink EZSS & EZSSU // RF β-SK-EZSS & RF β-SK-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-SK40AD-EZ03SS-120	620	120	92	9	19	-	3	11	-	-	1.20	A	
		RF β-SK40AD-EZ03SS-160	621	160	100	9	20	37	3	11	-	-	1.60	A	
		RF β-SK40AD-EZ03SS-200	621	200	100	9	20	39	3	11	-	-	2.00	A	
		RF β-SK40AD-EZ04SS-120	620	120	92	10	20	-	4	14	-	-	1.20	A	
		RF β-SK40AD-EZ04SS-160	621	160	100	10	21	38	4	14	-	-	1.60	A	
		RF β-SK40AD-EZ04SS-200	621	200	100	10	21	40	4	14	-	-	2.00	A	
		RF β-SK40AD-EZ05SS-120	620	120	92	11	21	-	5	17	-	-	1.20	A	
		RF β-SK40AD-EZ05SS-160	621	160	100	11	22	39	5	17	-	-	1.60	A	
		RF β-SK40AD-EZ05SS-200	621	200	100	11	22	41	5	17	-	-	2.00	A	
		RF β-SK40AD-EZ06SS-120	620	120	92	12	22	-	6	23	-	-	1.30	A	
		RF β-SK40AD-EZ06SS-160	621	160	100	12	23	40	6	23	-	-	1.70	A	
		RF β-SK40AD-EZ06SS-200	621	200	100	12	23	42	6	23	-	-	2.10	A	
		RF β-SK40AD-EZ08SS-120	620	120	92	14	24	-	8	27	-	-	1.30	A	
		RF β-SK40AD-EZ08SS-160	621	160	100	14	25	40	8	27	-	-	1.70	A	
		RF β-SK40AD-EZ08SS-200	621	200	100	14	25	42	8	27	-	-	2.10	A	
		RF β-SK40AD-EZ10SS-120	620	120	92	16	26	-	10	32	-	-	1.40	A	
		RF β-SK40AD-EZ10SS-160	621	160	100	16	27	42	10	32	-	-	1.80	A	
		RF β-SK40AD-EZ10SS-200	621	200	100	16	27	44	10	32	-	-	2.20	A	
		RF β-SK40AD-EZ12SS-120	620	120	92	18	28	-	12	37	-	-	1.40	A	
		RF β-SK40AD-EZ12SS-160	621	160	100	18	29	42	12	37	-	-	1.80	A	
		RF β-SK40AD-EZ12SS-200	621	200	100	18	29	44	12	37	-	-	2.20	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-SK40AD-EZ03SSU-120	622	120	92	7	17	-	3	11	-	-	1.20	A	
		RF β-SK40AD-EZ03SSU-160	623	160	100	7	18	35	3	11	-	-	1.60	A	
		RF β-SK40AD-EZ03SSU-200	623	200	100	7	18	37	3	11	-	-	2.00	A	
		RF β-SK40AD-EZ04SSU-120	622	120	92	8	18	-	4	14	-	-	1.20	A	
		RF β-SK40AD-EZ04SSU-160	623	160	100	8	19	36	4	14	-	-	1.60	A	
		RF β-SK40AD-EZ04SSU-200	623	200	100	8	19	38	4	14	-	-	2.00	A	
		RF β-SK40AD-EZ05SSU-120	622	120	92	9	19	-	5	17	-	-	1.20	A	
		RF β-SK40AD-EZ05SSU-160	623	160	100	9	20	37	5	17	-	-	1.60	A	
		RF β-SK40AD-EZ05SSU-200	623	200	100	9	20	39	5	17	-	-	2.00	A	
		RF β-SK40AD-EZ06SSU-120	622	120	92	10	20	-	6	23	-	-	1.30	A	
		RF β-SK40AD-EZ06SSU-160	623	160	100	10	21	38	6	23	-	-	1.70	A	
		RF β-SK40AD-EZ06SSU-200	623	200	100	10	21	40	6	23	-	-	2.10	A	
		RF β-SK40AD-EZ08SSU-120	622	120	92	12	22	-	8	27	-	-	1.30	A	
		RF β-SK40AD-EZ08SSU-160	623	160	100	12	23	38	8	27	-	-	1.70	A	
		RF β-SK40AD-EZ08SSU-200	623	200	100	12	23	40	8	27	-	-	2.10	A	
		RF β-SK40AD-EZ10SSU-120	622	120	92	14	24	-	10	32	-	-	1.40	A	
		RF β-SK40AD-EZ10SSU-160	623	160	100	14	25	40	10	32	-	-	1.80	A	
		RF β-SK40AD-EZ10SSU-200	623	200	100	14	25	42	10	32	-	-	2.20	A	
		RF β-SK40AD-EZ12SSU-120	622	120	92	16	26	-	12	37	-	-	1.40	A	
		RF β-SK40AD-EZ12SSU-160	623	160	100	16	27	40	12	37	-	-	1.80	A	
		RF β-SK40AD-EZ12SSU-200	623	200	100	16	27	42	12	37	-	-	2.20	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF β-SK50AD-EZX03SS-120	620	120	80	9	17	-	3	11	-	-	2.90	C	
	RF β-SK50AD-EZX03SS-160	621	160	100	9	19	40	3	11	-	-	3.30	C	
	RF β-SK50AD-EZX03SS-200	621	200	100	9	19	40	3	11	-	-	3.70	C	
	RF β-SK50AD-EZX04SS-120	620	120	80	10	18	-	4	14	-	-	2.90	C	
	RF β-SK50AD-EZX04SS-160	621	160	100	10	20	40	4	14	-	-	3.30	C	
	RF β-SK50AD-EZX04SS-200	621	200	100	10	20	40	4	14	-	-	3.70	C	
	RF β-SK50AD-EZX05SS-120	620	120	80	11	19	-	5	17	-	-	2.90	C	
	RF β-SK50AD-EZX05SS-160	621	160	100	11	21	40	5	17	-	-	3.30	C	
	RF β-SK50AD-EZX05SS-200	621	200	100	11	21	40	5	17	-	-	3.70	C	
	RF β-SK50AD-EZX06SS-120	620	120	80	12	20	-	6	23	-	-	3.00	C	
	RF β-SK50AD-EZX06SS-160	621	160	100	12	22	40	6	23	-	-	3.40	C	
	RF β-SK50AD-EZX06SS-200	621	200	100	12	22	40	6	23	-	-	3.80	C	
	RF β-SK50AD-EZX08SS-120	620	120	80	14	22	-	8	27	-	-	3.00	C	
	RF β-SK50AD-EZX08SS-160	621	160	100	14	24	40	8	27	-	-	3.40	C	
	RF β-SK50AD-EZX08SS-200	621	200	100	14	24	40	8	27	-	-	3.80	C	
	RF β-SK50AD-EZX10SS-120	620	120	80	16	24	-	10	32	-	-	3.10	C	
	RF β-SK50AD-EZX10SS-160	621	160	100	16	26	40	10	32	-	-	3.50	C	
	RF β-SK50AD-EZX10SS-200	621	200	100	16	26	40	10	32	-	-	3.90	C	
	RF β-SK50AD-EZX12SS-120	620	120	80	18	26	-	12	37	-	-	3.10	C	
	RF β-SK50AD-EZX12SS-160	621	160	100	18	28	40	12	37	-	-	3.50	C	
	RF β-SK50AD-EZX12SS-200	621	200	100	18	28	40	12	37	-	-	3.90	C	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF β-SK50AD-EZX03SSU-120	622	120	80	7	15	-	3	11	-	-	2.90	C	
	RF β-SK50AD-EZX03SSU-160	623	160	100	7	17	38	3	11	-	-	3.30	C	
	RF β-SK50AD-EZX03SSU-200	623	200	100	7	17	38	3	11	-	-	3.70	C	
	RF β-SK50AD-EZX04SSU-120	622	120	80	8	16	-	4	14	-	-	2.90	C	
	RF β-SK50AD-EZX04SSU-160	623	160	100	8	18	38	4	14	-	-	3.30	C	
	RF β-SK50AD-EZX04SSU-200	623	200	100	8	18	38	4	14	-	-	3.70	C	
	RF β-SK50AD-EZX05SSU-120	622	120	80	9	17	-	5	17	-	-	2.90	C	
	RF β-SK50AD-EZX05SSU-160	623	160	100	9	19	38	5	17	-	-	3.30	C	
	RF β-SK50AD-EZX05SSU-200	623	200	100	9	19	38	5	17	-	-	3.70	C	
	RF β-SK50AD-EZX06SSU-120	622	120	80	10	18	-	6	23	-	-	3.00	C	
	RF β-SK50AD-EZX06SSU-160	623	160	100	10	20	38	6	23	-	-	3.40	C	
	RF β-SK50AD-EZX06SSU-200	623	200	100	10	20	38	6	23	-	-	3.80	C	
	RF β-SK50AD-EZX08SSU-120	622	120	80	12	20	-	8	27	-	-	3.00	C	
	RF β-SK50AD-EZX08SSU-160	623	160	100	12	22	38	8	27	-	-	3.40	C	
	RF β-SK50AD-EZX08SSU-200	623	200	100	12	22	38	8	27	-	-	3.80	C	
	RF β-SK50AD-EZX10SSU-120	622	120	80	14	22	-	10	32	-	-	3.10	C	
	RF β-SK50AD-EZX10SSU-160	623	160	100	14	24	38	10	32	-	-	3.50	C	
	RF β-SK50AD-EZX10SSU-200	623	200	100	14	24	38	10	32	-	-	3.90	C	
	RF β-SK50AD-EZX12SSU-120	622	120	80	16	24	-	12	37	-	-	3.10	C	
	RF β-SK50AD-EZX12SSU-160	623	160	100	16	26	38	12	37	-	-	3.50	C	
	RF β-SK50AD-EZX12SSU-200	623	200	100	16	26	38	12	37	-	-	3.90	C	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZ // SK

ezShrink EZ // SK

SK is the norm DIN69871 of 7/24 taper from Germany
JT is the norm ISO7388-1:1983 of 7/24 taper adopted by China
In 2007, ISO published ISO7388-1:2007 as new norm for 7/24 SK(JT) taper toolholder
SK**(JT**) was named as ISO**A
SK**AD(JT**AD) with coolant through center was named as ISO**AD
SK**B/JT**B with coolant through flange was named as ISO**AF
SK**AD/B(JT**AD/B) with two type coolant through was named as ISO**AD/F

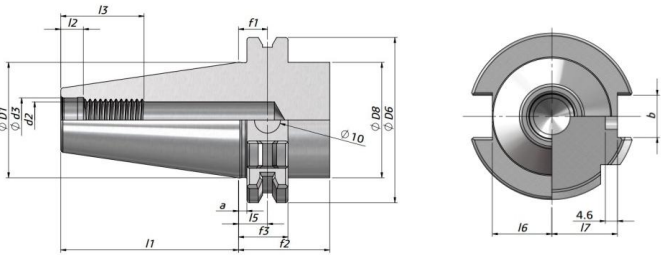
SK是德國規範DIN69871 7/24圓錐的代號
JT是中國選用ISO7388-1:1983當成國家規範
2007年ISO7388-1:2007是7/24 SK(JT)外圓錐新規範
SK**(JT**)刀柄命名為ISO**A
SK**AD(JT**AD)刀柄內帶中心貫穿冷卻孔命名為ISO**AD
SK**B(JT**B)刀柄法蘭端面帶冷卻孔命名為ISO**AF
SK**AD/B(JT**AD/B)刀柄將兩種內冷卻方式整合命名為ISO**AD/F

SK(JT) toolholder with IC chip hole is a standard product from YAMAKEN

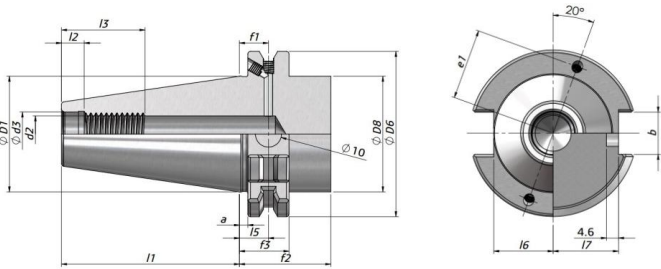
SK刀柄上有一IC晶片孔是山謙的生產標準品

CLAMPING FORCE	SK30	SK40	SK50
	6KN	12KN	25KN

TAPER	SK30AD	SK40AD	SK50AD
	JT30AD	JT40AD	JT50AD
	ISO30AD	ISO40AD	ISO50AD
ØD1	31.75	44.45	69.85
d2	M12*P1.75	M16*P2.0	M24*P3.0
Ød3 H7	13	17	25
ØD6 0.0/-0.1	50.00	63.55	97.50
ØD8 max.	45	50	80
a +/-0.1	3.2	3.2	3.2
f1 +/-0.1	11.1	11.1	11.1
f2 min.	35	35	35
f3 0.0/-0.1	19.1	19.1	19.1
l1 +/-0.3	47.80	68.40	101.75
l2 +0.5/0.0	5.5	8.2	11.5
l3	24	32	47
l6 0.0/-0.4	16.4	22.8	35.5
l7 0.0/-0.4	19.0	25.0	37.7
b H12	16.1	16.1	25.7



TAPER	SK30AD/B	SK40AD/B	SK50AD/B
	JT30AD/B	JT40AD/B	JT50AD/B
	ISO30AD/F	ISO40AD/F	ISO50AD/F
e1 +/-0.1	21	27	42
Ød9	2.0	4.0	6.0



圓錐角度公差 // TAPER ANGLE TOLERANCE

TAPER	#30 TAPER	#40 TAPER	#50 TAPER
AT1 (mm)	+0.0008/+0.0013	+0.0010/+0.0016	+0.0013/+0.0020
AT2 (mm)	+0.0013/+0.0020	+0.0016/+0.0025	+0.0020/+0.0032
AT3 (mm)	+0.0020/+0.0032	+0.0025/+0.0040	+0.0032/+0.0050

圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE

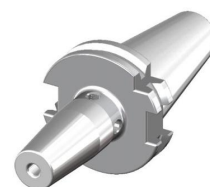
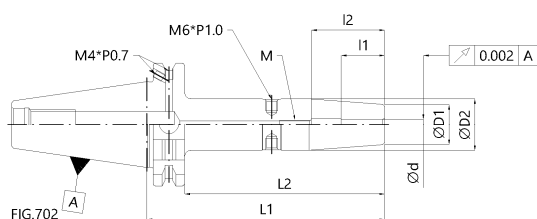
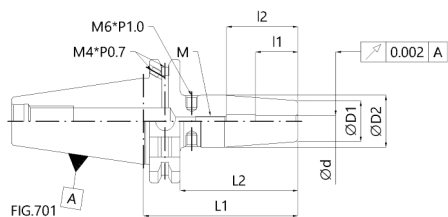
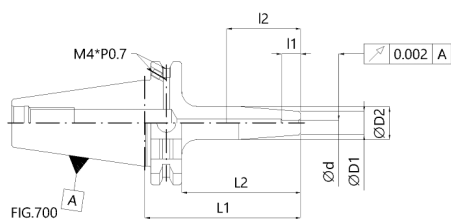
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
	0.002	0.002	0.003

圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE

TAPER	#30 TAPER	#40 TAPER	#50 TAPER
	0.001	0.001	0.002

AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準



動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	◎	SK40AD/B-EZ03-080	700	80	61	12	17	-	3	11	-	-	0.90	A	
▲	◎	SK40AD/B-EZ03-120	700	120	101	12	17	-	3	11	-	-	1.30	A	
▲	◎	SK40AD/B-EZ04-080	700	80	61	12	17	-	4	14	-	-	0.90	A	
▲	◎	SK40AD/B-EZ04-120	700	120	101	12	17	-	4	14	-	-	1.30	A	
▲	◎	SK40AD/B-EZ05-080	700	80	61	12	17	-	5	17	-	-	0.90	A	
▲	◎	SK40AD/B-EZ05-120	700	120	101	12	17	-	5	17	-	-	1.30	A	
O	◎	SK40AD/B-EZ06-080	701	80	61	21	27	-	6	23	37	M5*P0.8	1.00	A	
O	◎	SK40AD/B-EZ06-120	702	120	101	21	27	-	6	23	37	M5*P0.8	1.40	A	
O	◎	SK40AD/B-EZ08-080	701	80	61	21	27	-	8	27	37	M6*P1.0	1.00	A	
O	◎	SK40AD/B-EZ08-120	702	120	101	21	27	-	8	27	37	M6*P1.0	1.40	A	
O	◎	SK40AD/B-EZ10-080	701	80	61	24	32	-	10	32	42	M8*P1.0	1.10	A	
O	◎	SK40AD/B-EZ10-120	702	120	101	24	32	-	10	32	42	M8*P1.0	1.50	A	
O	◎	SK40AD/B-EZ12-080	701	80	61	24	32	-	12	37	48	M10*P1.0	1.10	A	
O	◎	SK40AD/B-EZ12-120	702	120	101	24	32	-	12	37	48	M10*P1.0	1.50	A	
O	◎	SK40AD/B-EZ14-080	701	80	61	27	34	-	14	37	48	M10*P1.0	1.20	A	
O	◎	SK40AD/B-EZ14-120	702	120	101	27	34	-	14	37	48	M10*P1.0	1.60	A	
O	◎	SK40AD/B-EZ16-080	701	80	61	27	34	-	16	40	51	M12*P1.0	1.20	A	
O	◎	SK40AD/B-EZ16-120	702	120	101	27	34	-	16	40	51	M12*P1.0	1.60	A	
O	◎	SK40AD/B-EZ18-080	701	80	61	33	41	-	18	40	51	M12*P1.0	1.30	A	
O	◎	SK40AD/B-EZ18-120	702	120	101	33	41	-	18	40	51	M12*P1.0	1.70	A	
O	◎	SK40AD/B-EZ20-080	701	80	61	33	41	-	20	42	53	M16*P1.0	1.30	A	
O	◎	SK40AD/B-EZ20-120	702	120	101	33	41	-	20	42	53	M16*P1.0	1.70	A	
O	◎	SK40AD/B-EZ25-100	701	100	81	44	53	-	25	48	59	M16*P1.0	2.10	A	
O	◎	SK40AD/B-EZ25-120	702	120	101	44	53	-	25	48	59	M16*P1.0	2.30	A	
O	◎	SK40AD/B-EZ32-100	701	100	81	44	53	-	32	52	63	M16*P1.0	2.10	A	
O	◎	SK40AD/B-EZ32-120	702	120	101	44	53	-	32	52	63	M16*P1.0	2.30	A	

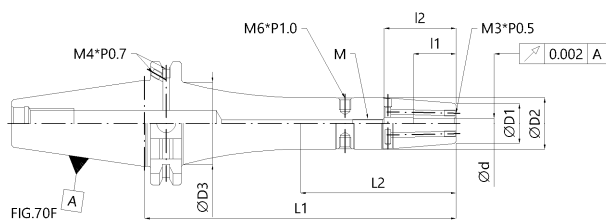
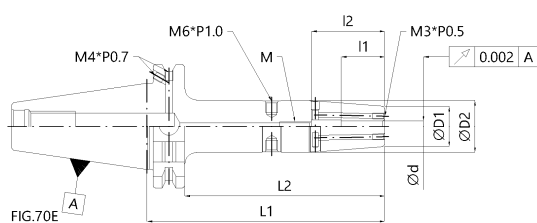
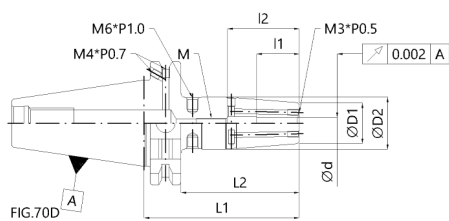
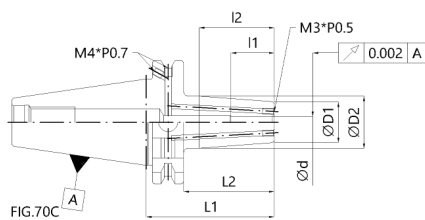
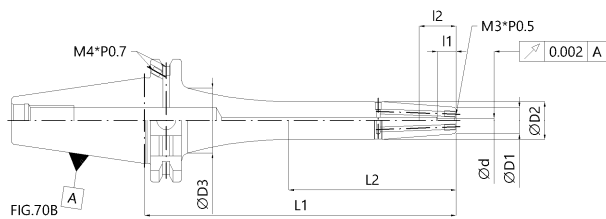
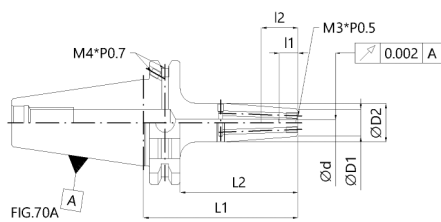
產品FIG.701 & 702出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.701 & 702 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

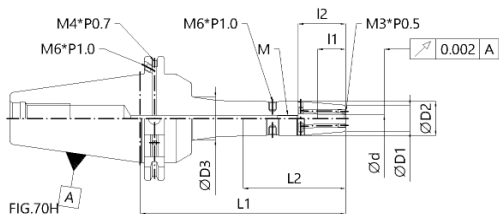
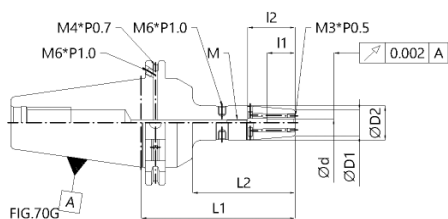
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

STOCK ●=售完變更規格 // STOCK ●=Change Code No. after sold out

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck





動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	▲	SK40AD/B-EZ03-080KK	70A	80	61	14	20	-	3	11	-	-	0.90	A	
	▲	SK40AD/B-EZ03-120KK	70A	120	101	14	20	-	3	11	-	-	1.30	A	
	▲	SK40AD/B-EZ03-160KK	70B	160	80	14	20	36	3	11	-	-	1.70	A	
	▲	SK40AD/B-EZ03-200KK	70B	200	120	14	20	36	3	11	-	-	2.10	A	
	▲	SK40AD/B-EZ04-080KK	70A	80	61	14	20	-	4	14	-	-	0.90	A	
	▲	SK40AD/B-EZ04-120KK	70A	120	101	14	20	-	4	14	-	-	1.30	A	
	▲	SK40AD/B-EZ04-160KK	70B	160	80	14	20	36	4	14	-	-	1.70	A	
	▲	SK40AD/B-EZ04-200KK	70B	200	120	14	20	36	4	14	-	-	2.10	A	
	▲	SK40AD/B-EZ05-080KK	70A	80	61	14	20	-	5	17	-	-	0.90	A	
	▲	SK40AD/B-EZ05-120KK	70A	120	101	14	20	-	5	17	-	-	1.30	A	
	▲	SK40AD/B-EZ05-160KK	70B	160	80	14	20	36	5	17	-	-	1.70	A	
	▲	SK40AD/B-EZ05-200KK	70B	200	120	14	20	36	5	17	-	-	2.10	A	
O	▲	SK40AD/B-EZ06-065KK	70C	65	46	21	27	-	6	23	-	-	0.90	A	
O	◎	SK40AD/B-EZ06-080KK	70D	80	61	21	27	-	6	23	37	M5*P0.8	1.00	A	
O	◎	SK40AD/B-EZ06-120KK	70E	120	101	21	27	-	6	23	37	M5*P0.8	1.40	A	
O		SK40AD/B-EZ06-160KK	70F	160	80	21	27	43	6	23	37	M5*P0.8	1.80	A	
O		SK40AD/B-EZ06-200KK	70F	200	120	21	27	43	6	23	37	M5*P0.8	2.20	A	
O	▲	SK40AD/B-EZ08-065KK	70C	65	46	21	27	-	8	27	-	-	0.90	A	
O	◎	SK40AD/B-EZ08-080KK	70D	80	61	21	27	-	8	27	37	M6*P1.0	1.00	A	
O	◎	SK40AD/B-EZ08-120KK	70E	120	101	21	27	-	8	27	37	M6*P1.0	1.40	A	
O		SK40AD/B-EZ08-160KK	70F	160	80	21	27	43	8	27	37	M6*P1.0	1.80	A	
O		SK40AD/B-EZ08-200KK	70F	200	120	21	27	43	8	27	37	M6*P1.0	2.20	A	

產品FIG.70D, 70E & 70F出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.70D, 70E & 70F EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.70C, 70D, 70E & 70F出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.70C, 70D, 70E & 70F EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZKK // SK-EZKK

ezShrink+ezKool 鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	▲	SK40AD/B-EZ10-065KK	70C	65	46	24	32	-	10	32	-	-	1.00	A	
O	◎	SK40AD/B-EZ10-080KK	70D	80	61	24	32	-	10	32	42	M8*P1.0	1.10	A	
O	◎	SK40AD/B-EZ10-120KK	70E	120	101	24	32	-	10	32	42	M8*P1.0	1.50	A	
O		SK40AD/B-EZ10-160KK	70F	160	80	24	32	44	10	32	42	M8*P1.0	1.90	A	
O		SK40AD/B-EZ10-200KK	70F	200	120	24	32	44	10	32	42	M8*P1.0	2.30	A	
O	▲	SK40AD/B-EZ12-065KK	70C	65	46	24	32	-	12	37	-	-	1.00	A	
O	◎	SK40AD/B-EZ12-080KK	70D	80	61	24	32	-	12	37	48	M10*P1.0	1.10	A	
O	◎	SK40AD/B-EZ12-120KK	70E	120	101	24	32	-	12	37	48	M10*P1.0	1.50	A	
O		SK40AD/B-EZ12-160KK	70F	160	80	24	32	44	12	37	48	M10*P1.0	1.90	A	
O		SK40AD/B-EZ12-200KK	70F	200	120	24	32	44	12	37	48	M10*P1.0	2.30	A	
O	▲	SK40AD/B-EZ14-065KK	70C	65	46	27	34	-	14	37	70	-	1.10	A	
O	◎	SK40AD/B-EZ14-080KK	70D	80	61	27	34	-	14	37	48	M10*P1.0	1.20	A	
O	◎	SK40AD/B-EZ14-120KK	70E	120	101	27	34	-	14	37	48	M10*P1.0	1.60	A	
O		SK40AD/B-EZ14-160KK	70F	160	80	27	34	45	14	37	48	M10*P1.0	2.00	A	
O		SK40AD/B-EZ14-200KK	70F	200	120	27	34	45	14	37	48	M10*P1.0	2.40	A	
O	▲	SK40AD/B-EZ16-065KK	70C	65	46	27	34	-	16	40	70	-	1.10	A	
O	◎	SK40AD/B-EZ16-080KK	70D	80	61	27	34	-	16	40	51	M12*P1.0	1.20	A	
O	◎	SK40AD/B-EZ16-120KK	70E	120	101	27	34	-	16	40	51	M12*P1.0	1.60	A	
O		SK40AD/B-EZ16-160KK	70F	160	80	27	34	45	16	40	51	M12*P1.0	2.00	A	
O		SK40AD/B-EZ16-200KK	70F	200	120	27	34	45	16	40	51	M12*P1.0	2.40	A	
O	▲	SK40AD/B-EZ18-065KK	70C	65	46	33	41	-	18	40	70	-	1.20	A	
O	◎	SK40AD/B-EZ18-080KK	70D	80	61	33	41	-	18	40	51	M12*P1.0	1.30	A	
O	◎	SK40AD/B-EZ18-120KK	70E	120	101	33	41	-	18	40	51	M12*P1.0	1.70	A	
O		SK40AD/B-EZ18-160KK	70F	160	80	33	41	48	18	40	51	M12*P1.0	2.10	A	
O		SK40AD/B-EZ18-200KK	70F	200	120	33	41	48	18	40	51	M12*P1.0	2.50	A	
O	▲	SK40AD/B-EZ20-065KK	70C	65	46	33	41	-	20	42	70	-	1.20	A	
O	◎	SK40AD/B-EZ20-080KK	70D	80	61	33	41	-	20	42	53	M16*P1.0	1.30	A	
O	◎	SK40AD/B-EZ20-120KK	70E	120	101	33	41	-	20	42	53	M16*P1.0	1.70	A	
O		SK40AD/B-EZ20-160KK	70F	160	80	33	41	48	20	42	53	M16*P1.0	2.10	A	
O		SK40AD/B-EZ20-200KK	70F	200	120	33	41	48	20	42	53	M16*P1.0	2.50	A	
O	▲	SK40AD/B-EZ25-065KK	70C	65	46	44	53	-	25	48	70	-	1.60	A	
O	◎	SK40AD/B-EZ25-100KK	70D	100	61	44	53	-	25	48	59	M16*P1.0	1.90	A	
O	◎	SK40AD/B-EZ25-120KK	70E	120	101	44	53	-	25	48	59	M16*P1.0	2.10	A	
O		SK40AD/B-EZ25-160KK	70E	160	141	44	53	-	25	48	59	M16*P1.0	2.50	A	
O		SK40AD/B-EZ25-200KK	70E	200	181	44	53	-	25	48	59	M16*P1.0	2.90	A	
O	▲	SK40AD/B-EZ32-065KK	70C	65	46	44	53	-	32	52	70	-	1.60	A	
O	◎	SK40AD/B-EZ32-100KK	70D	100	61	44	53	-	32	52	63	M16*P1.0	1.90	A	
O	◎	SK40AD/B-EZ32-120KK	70E	120	101	44	53	-	32	52	63	M16*P1.0	2.10	A	
O		SK40AD/B-EZ32-160KK	70E	160	141	44	53	-	32	52	63	M16*P1.0	2.50	A	
O		SK40AD/B-EZ32-200KK	70E	200	181	44	53	-	32	52	63	M16*P1.0	2.90	A	

產品FIG.70D, 70E & 70F出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.70D, 70E & 70F EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.70C, 70D, 70E & 70F出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.70C, 70D, 70E & 70F EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

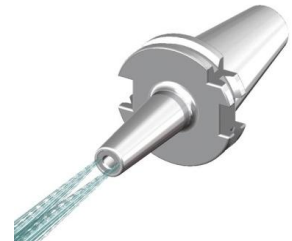
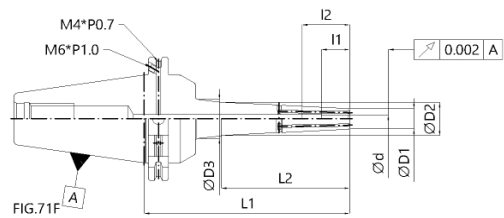
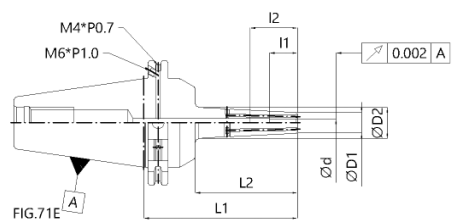
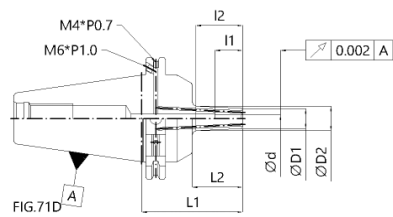
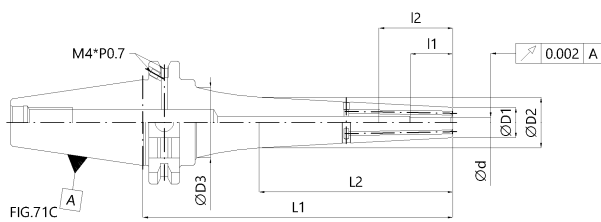
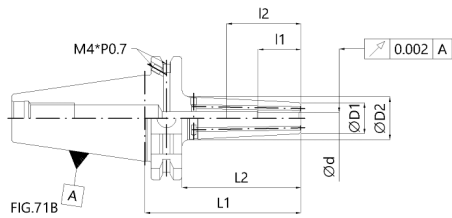
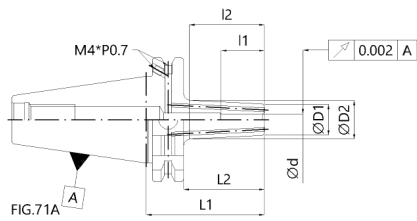
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	○	SK50AD/B-EZX06-120KK	70G	120	80	21	27	-	6	23	37	M5*P0.8	3.00	C	
O	○	SK50AD/B-EZX06-160KK	70H	160	80	21	27	34	6	23	37	M5*P0.8	3.40	C	
O		SK50AD/B-EZX06-200KK	70H	200	120	21	27	34	6	23	37	M5*P0.8	3.80	C	
O	○	SK50AD/B-EZX08-120KK	70G	120	80	21	27	-	8	27	37	M6*P1.0	3.00	C	
O	○	SK50AD/B-EZX08-160KK	70H	160	80	21	27	34	8	27	37	M6*P1.0	3.40	C	
O		SK50AD/B-EZX08-200KK	70H	200	120	21	27	34	8	27	37	M6*P1.0	3.80	C	
O	○	SK50AD/B-EZX10-120KK	70G	120	80	24	32	-	10	32	42	M8*P1.0	3.10	C	
O	○	SK50AD/B-EZX10-160KK	70H	160	80	24	32	38	10	32	42	M8*P1.0	3.50	C	
O		SK50AD/B-EZX10-200KK	70H	200	120	24	32	38	10	32	42	M8*P1.0	3.90	C	
O	○	SK50AD/B-EZX12-120KK	70G	120	80	24	32	-	12	37	48	M10*P1.0	3.10	C	
O	○	SK50AD/B-EZX12-160KK	70H	160	80	24	32	38	12	37	48	M10*P1.0	3.50	C	
O		SK50AD/B-EZX12-200KK	70H	200	120	24	32	38	12	37	48	M10*P1.0	3.90	C	
O	○	SK50AD/B-EZX14-120KK	70G	120	80	27	34	-	14	37	48	M10*P1.0	3.20	C	
O	○	SK50AD/B-EZX14-160KK	70H	160	80	27	34	40	14	37	48	M10*P1.0	3.60	C	
O		SK50AD/B-EZX14-200KK	70H	200	120	27	34	40	14	37	48	M10*P1.0	4.00	C	
O	○	SK50AD/B-EZX16-120KK	70G	120	80	27	34	-	16	40	51	M12*P1.0	3.20	C	
O	○	SK50AD/B-EZX16-160KK	70H	160	80	27	34	40	16	40	51	M12*P1.0	3.60	C	
O		SK50AD/B-EZX16-200KK	70H	200	120	27	34	40	16	40	51	M12*P1.0	4.00	C	
O	○	SK50AD/B-EZX18-120KK	70G	120	80	33	41	-	18	40	51	M12*P1.0	3.30	C	
O	○	SK50AD/B-EZX18-160KK	70H	160	80	33	41	46	18	40	51	M12*P1.0	3.70	C	
O		SK50AD/B-EZX18-200KK	70H	200	120	33	41	46	18	40	51	M12*P1.0	4.10	C	
O	○	SK50AD/B-EZX20-120KK	70G	120	80	33	41	-	20	42	53	M16*P1.0	3.30	C	
O	○	SK50AD/B-EZX20-160KK	70H	160	80	33	41	46	20	42	53	M16*P1.0	3.70	C	
O		SK50AD/B-EZX20-200KK	70H	200	120	33	41	46	20	42	53	M16*P1.0	4.10	C	
O		SK50AD/B-EZX25-120KK	70E	120	101	44	53	-	25	48	59	M16*P1.0	3.70	C	
O		SK50AD/B-EZX25-160KK	70F	160	80	44	53	64	25	48	59	M16*P1.0	4.10	C	
O		SK50AD/B-EZX25-200KK	70F	200	120	44	53	64	25	48	59	M16*P1.0	4.50	C	
O		SK50AD/B-EZX32-120KK	70E	120	101	44	53	-	32	52	63	M16*P1.0	3.70	C	
O		SK50AD/B-EZX32-160KK	70F	160	80	44	53	64	32	52	63	M16*P1.0	4.10	C	
O		SK50AD/B-EZX32-200KK	70F	200	120	44	53	64	32	52	63	M16*P1.0	4.50	C	

產品FIG.70E, 70F, 70G & 70H出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.70E, 70F, 70G & 70H EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.70E, 70F, 70G & 70H出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.70E, 70F, 70G & 70H EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck



動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		SK40AD/B-EZ03SR-060KV	71A	60	41	13	17	-	3	11	-	-	0.70	A	
◎		SK40AD/B-EZ03SR-080KK	71B	80	61	13	19	-	3	11	-	-	0.90	A	
◎		SK40AD/B-EZ03SR-120KK	71B	120	101	13	23	-	3	11	-	-	1.30	A	
◎		SK40AD/B-EZ03SR-160KK	71C	160	100	13	24	34	3	11	-	-	1.70	A	
		SK40AD/B-EZ03SR-200KK	71C	200	100	13	24	40	3	11	-	-	2.10	A	
○		SK40AD/B-EZ04SR-060KV	71A	60	41	14	18	-	4	14	-	-	0.70	A	
◎		SK40AD/B-EZ04SR-080KK	71B	80	61	14	20	-	4	14	-	-	0.90	A	
◎		SK40AD/B-EZ04SR-120KK	71B	120	101	14	24	-	4	14	-	-	1.30	A	
◎		SK40AD/B-EZ04SR-160KK	71C	160	100	14	25	35	4	14	-	-	1.70	A	
		SK40AD/B-EZ04SR-200KK	71C	200	100	14	25	41	4	14	-	-	2.10	A	
○		SK40AD/B-EZ05SR-060KV	71A	60	41	15	19	-	5	17	-	-	0.70	A	
◎		SK40AD/B-EZ05SR-080KK	71B	80	61	15	21	-	5	17	-	-	0.90	A	
◎		SK40AD/B-EZ05SR-120KK	71B	120	101	15	25	-	5	17	-	-	1.30	A	
◎		SK40AD/B-EZ05SR-160KK	71C	160	100	15	26	36	5	17	-	-	1.70	A	
		SK40AD/B-EZ05SR-200KK	71C	200	100	15	26	42	5	17	-	-	2.10	A	
○		SK40AD/B-EZ06SR-060KV	71A	60	41	16	20	-	6	23	-	-	0.80	A	
◎		SK40AD/B-EZ06SR-080KK	71B	80	61	16	22	-	6	23	-	-	1.00	A	
◎		SK40AD/B-EZ06SR-120KK	71B	120	101	16	26	-	6	23	-	-	1.40	A	
◎		SK40AD/B-EZ06SR-160KK	71C	160	100	16	27	37	6	23	-	-	1.80	A	
		SK40AD/B-EZ06SR-200KK	71C	200	100	16	27	43	6	23	-	-	2.20	A	
○		SK40AD/B-EZ08SR-060KV	71A	60	41	18	22	-	8	27	-	-	0.80	A	
◎		SK40AD/B-EZ08SR-080KK	71B	80	61	18	24	-	8	27	-	-	1.00	A	
◎		SK40AD/B-EZ08SR-120KK	71B	120	101	18	28	-	8	27	-	-	1.40	A	
◎		SK40AD/B-EZ08SR-160KK	71C	160	100	18	29	38	8	27	-	-	1.80	A	
		SK40AD/B-EZ08SR-200KK	71C	200	100	18	29	44	8	27	-	-	2.20	A	
○		SK40AD/B-EZ10SR-060KV	71A	60	41	20	24	-	10	32	-	-	0.90	A	
◎		SK40AD/B-EZ10SR-080KK	71B	80	61	20	26	-	10	32	-	-	1.10	A	
◎		SK40AD/B-EZ10SR-120KK	71B	120	101	20	30	-	10	32	-	-	1.50	A	
◎		SK40AD/B-EZ10SR-160KK	71C	160	100	20	31	40	10	32	-	-	1.90	A	
		SK40AD/B-EZ10SR-200KK	71C	200	181	20	31	44	10	32	-	-	2.30	A	
○		SK40AD/B-EZ12SR-060KV	71A	60	41	22	26	-	12	37	-	-	0.90	A	
◎		SK40AD/B-EZ12SR-080KK	71B	80	61	22	28	-	12	37	-	-	1.10	A	
◎		SK40AD/B-EZ12SR-120KK	71B	120	101	22	32	-	12	37	-	-	1.50	A	
◎		SK40AD/B-EZ12SR-160KK	71C	160	100	22	33	40	12	37	-	-	1.90	A	
		SK40AD/B-EZ12SR-200KK	71C	200	181	22	33	44	12	37	-	-	2.30	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // SK-EZSRKK

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	○	SK40AD/B-EZ14SR-060KV	71A	60	41	24	28	-	14	37	60	-	1.00	A	
	◎	SK40AD/B-EZ14SR-080KK	71B	80	61	24	30	-	14	37	80	-	1.20	A	
	◎	SK40AD/B-EZ14SR-120KK	71B	120	101	24	34	-	14	37	80	-	1.60	A	
	◎	SK40AD/B-EZ14SR-160KK	71C	160	100	24	35	41	14	37	80	-	2.00	A	
		SK40AD/B-EZ14SR-200KK	71C	200	173	24	42	44	14	37	80	-	2.40	A	
	○	SK40AD/B-EZ16SR-060KV	71A	60	41	26	30	-	16	40	60	-	1.00	A	
	◎	SK40AD/B-EZ16SR-080KK	71B	80	61	26	32	-	16	40	80	-	1.20	A	
	◎	SK40AD/B-EZ16SR-120KK	71B	120	101	26	36	-	16	40	80	-	1.60	A	
	◎	SK40AD/B-EZ16SR-160KK	71C	160	100	26	37	42	16	40	80	-	2.00	A	
		SK40AD/B-EZ16SR-200KK	71C	200	173	26	44	44	16	40	80	-	2.40	A	
	○	SK40AD/B-EZ18SR-060KV	71A	60	41	28	32	-	18	40	60	-	1.10	A	
	◎	SK40AD/B-EZ18SR-080KK	71B	80	61	28	34	-	18	40	80	-	1.30	A	
	◎	SK40AD/B-EZ18SR-120KK	71B	120	101	28	38	-	18	40	80	-	1.70	A	
	◎	SK40AD/B-EZ18SR-160KK	71B	160	141	28	42	-	18	40	80	-	2.10	A	
		SK40AD/B-EZ18SR-200KK	71B	200	181	28	46	-	18	40	80	-	2.50	A	
	○	SK40AD/B-EZ20SR-060KV	71A	60	41	30	34	-	20	40	60	-	1.10	A	
	◎	SK40AD/B-EZ20SR-080KK	71B	80	61	30	36	-	20	42	80	-	1.30	A	
	◎	SK40AD/B-EZ20SR-120KK	71B	120	101	30	40	-	20	42	80	-	1.70	A	
	◎	SK40AD/B-EZ20SR-160KK	71B	160	141	30	44	-	20	42	80	-	2.10	A	
		SK40AD/B-EZ20SR-200KK	71B	200	181	30	48	-	20	42	80	-	2.50	A	
	○	SK40AD/B-EZ25SR-060KV	71A	60	41	35	39	-	25	40	80	-	1.50	A	
	◎	SK40AD/B-EZ25SR-080KK	71B	80	61	35	41	-	25	48	80	-	1.70	A	
	◎	SK40AD/B-EZ25SR-120KK	71B	120	101	35	45	-	25	48	100	-	2.10	A	
	◎	SK40AD/B-EZ25SR-160KK	71B	160	141	35	48	-	25	48	100	-	2.50	A	
		SK40AD/B-EZ25SR-200KK	71B	200	181	35	51	-	25	48	100	-	2.90	A	
	○	SK40AD/B-EZ32SR-060KV	71A	60	41	42	46	-	32	40	60	-	1.50	A	
	◎	SK40AD/B-EZ32SR-080KK	71B	80	61	42	48	-	32	52	80	-	1.70	A	
	◎	SK40AD/B-EZ32SR-120KK	71B	120	101	42	50	-	32	52	100	-	2.10	A	
	◎	SK40AD/B-EZ32SR-160KK	71B	160	141	42	54	-	32	52	100	-	2.50	A	
		SK40AD/B-EZ32SR-200KK	71B	200	181	42	58	-	32	52	100	-	2.90	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		SK50AD/B-EZX03SR-080KV	71D	80	40	13	18	-	3	11	-	-	2.50	C	
○		SK50AD/B-EZX03SR-100KV	71D	100	60	13	20	-	3	11	-	-	2.70	C	
○		SK50AD/B-EZX03SR-120KK	71E	120	80	13	22	-	3	11	-	-	2.90	C	
○		SK50AD/B-EZX03SR-160KK	71F	160	100	13	24	28	3	11	-	-	3.30	C	
		SK50AD/B-EZX03SR-200KK	71F	200	100	13	24	36	3	11	-	-	3.70	C	
		SK50AD/B-EZX04SR-080KV	71D	80	40	14	19	-	4	14	-	-	2.50	C	
○		SK50AD/B-EZX04SR-100KV	71D	100	60	14	21	-	4	14	-	-	2.70	C	
○		SK50AD/B-EZX04SR-120KK	71E	120	80	14	23	-	4	14	-	-	2.90	C	
○		SK50AD/B-EZX04SR-160KK	71F	160	100	14	25	29	4	14	-	-	3.30	C	
		SK50AD/B-EZX04SR-200KK	71F	200	100	14	25	37	4	14	-	-	3.70	C	
		SK50AD/B-EZX05SR-080KV	71D	80	40	15	20	-	5	17	-	-	2.50	C	
○		SK50AD/B-EZX05SR-100KV	71D	100	60	15	22	-	5	17	-	-	2.70	C	
○		SK50AD/B-EZX05SR-120KK	71E	120	80	15	24	-	5	17	-	-	2.90	C	
○		SK50AD/B-EZX05SR-160KK	71F	160	100	15	26	30	5	17	-	-	3.30	C	
		SK50AD/B-EZX05SR-200KK	71F	200	100	15	26	38	5	17	-	-	3.70	C	
		SK50AD/B-EZX06SR-080KV	71D	80	40	16	21	-	6	23	-	-	2.60	C	
○		SK50AD/B-EZX06SR-100KV	71D	100	60	16	23	-	6	23	-	-	2.80	C	
○		SK50AD/B-EZX06SR-120KK	71E	120	80	16	25	-	6	23	-	-	3.00	C	
○		SK50AD/B-EZX06SR-160KK	71F	160	100	16	27	31	6	23	-	-	3.40	C	
		SK50AD/B-EZX06SR-200KK	71F	200	100	16	27	39	6	23	-	-	3.80	C	
		SK50AD/B-EZX08SR-080KV	71D	80	40	18	23	-	8	27	-	-	2.60	C	
○		SK50AD/B-EZX08SR-100KV	71D	100	60	18	25	-	8	27	-	-	2.80	C	
○		SK50AD/B-EZX08SR-120KK	71E	120	80	18	27	-	8	27	-	-	3.00	C	
○		SK50AD/B-EZX08SR-160KK	71F	160	100	18	29	33	8	27	-	-	3.40	C	
		SK50AD/B-EZX08SR-200KK	71F	200	100	18	29	40	8	27	-	-	3.80	C	
		SK50AD/B-EZX10SR-080KV	71D	80	40	20	25	-	10	32	-	-	2.70	C	
○		SK50AD/B-EZX10SR-100KV	71D	100	60	20	27	-	10	32	-	-	2.90	C	
○		SK50AD/B-EZX10SR-120KK	71E	120	80	20	29	-	10	32	-	-	3.10	C	
○		SK50AD/B-EZX10SR-160KK	71F	160	100	20	31	35	10	32	-	-	3.50	C	
		SK50AD/B-EZX10SR-200KK	71F	200	100	20	31	41	10	32	-	-	3.90	C	
		SK50AD/B-EZX12SR-080KV	71D	80	40	22	27	-	12	37	-	-	2.70	C	
○		SK50AD/B-EZX12SR-100KV	71D	100	60	22	29	-	12	37	-	-	2.90	C	
○		SK50AD/B-EZX12SR-120KK	71E	120	80	22	31	-	12	37	-	-	3.10	C	
○		SK50AD/B-EZX12SR-160KK	71F	160	100	22	33	36	12	37	-	-	3.50	C	
		SK50AD/B-EZX12SR-200KK	71F	200	100	22	33	42	12	37	-	-	3.90	C	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // SK-EZSRKK

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結刀柄

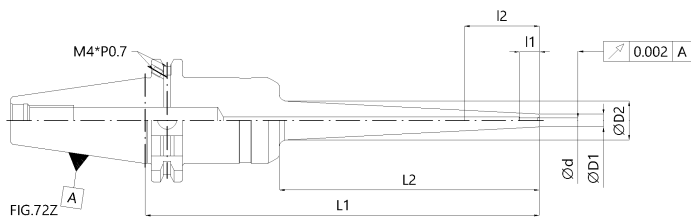
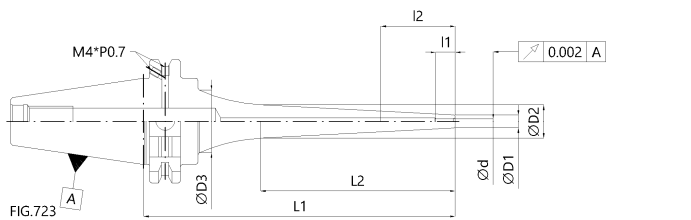
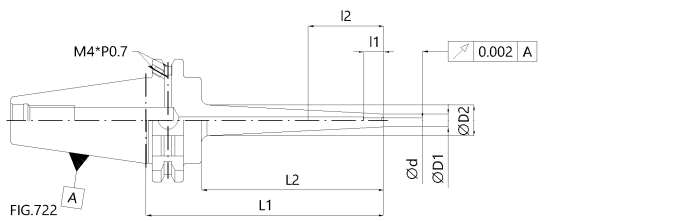
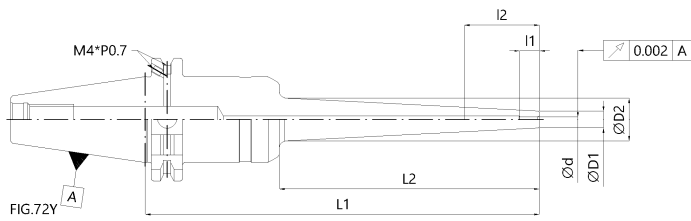
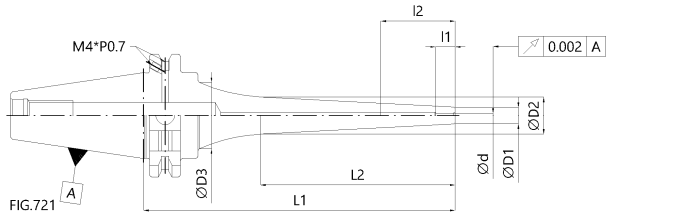
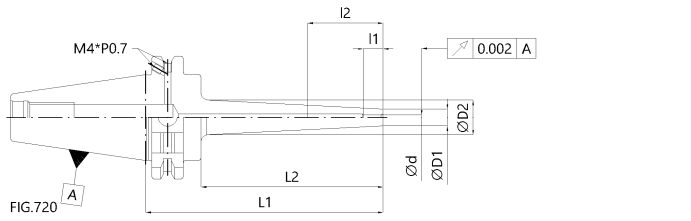
ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		SK50AD/B-EZX14SR-080KV	71D	80	40	24	29	-	14	37	-	-	2.80	C	
	○	SK50AD/B-EZX14SR-100KV	71D	100	60	24	31	-	14	37	-	-	3.00	C	
	○	SK50AD/B-EZX14SR-120KK	71E	120	80	24	36	-	14	37	-	-	3.20	C	
	○	SK50AD/B-EZX14SR-160KK	71F	160	100	24	35	38	14	37	-	-	3.60	C	
		SK50AD/B-EZX14SR-200KK	71E	200	160	24	41	-	14	37	-	-	4.00	C	
		SK50AD/B-EZX16SR-080KV	71D	80	40	26	31	-	16	39	-	-	2.80	C	
	○	SK50AD/B-EZX16SR-100KV	71D	100	60	26	33	-	16	40	-	-	3.00	C	
	○	SK50AD/B-EZX16SR-120KK	71E	120	80	26	35	-	16	40	-	-	3.20	C	
	○	SK50AD/B-EZX16SR-160KK	71F	160	100	26	37	40	16	40	-	-	3.60	C	
		SK50AD/B-EZX16SR-200KK	71E	200	160	26	43	-	16	40	-	-	4.00	C	
		SK50AD/B-EZX18SR-080KV	71D	80	40	28	33	-	18	39	-	-	2.90	C	
	○	SK50AD/B-EZX18SR-100KV	71D	100	60	28	35	-	18	40	-	-	3.10	C	
	○	SK50AD/B-EZX18SR-120KK	71E	120	80	28	37	-	18	40	-	-	3.30	C	
	○	SK50AD/B-EZX18SR-160KK	71E	160	120	28	41	-	18	40	-	-	3.70	C	
		SK50AD/B-EZX18SR-200KK	71E	200	160	28	45	-	18	40	-	-	4.10	C	
		SK50AD/B-EZX20SR-080KV	71D	80	40	30	35	-	20	39	-	-	2.90	C	
	○	SK50AD/B-EZX20SR-100KV	71D	100	60	30	37	-	20	42	-	-	3.10	C	
	○	SK50AD/B-EZX20SR-120KK	71E	120	80	30	39	-	20	42	-	-	3.30	C	
	○	SK50AD/B-EZX20SR-160KK	71E	160	120	30	43	-	20	42	-	-	3.70	C	
		SK50AD/B-EZX20SR-200KK	71E	200	160	30	47	-	20	42	-	-	4.10	C	
		SK50AD/B-EZ25SR-080KK	71B	80	61	35	42	-	25	48	80	-	3.30	C	
	○	SK50AD/B-EZ25SR-100KK	71B	100	81	35	44	-	25	48	100	-	3.50	C	
	○	SK50AD/B-EZ25SR-120KK	71B	120	101	35	46	-	25	48	100	-	3.70	C	
	○	SK50AD/B-EZ25SR-160KK	71B	160	141	35	50	-	25	48	100	-	4.10	C	
		SK50AD/B-EZ25SR-200KK	71B	200	181	35	54	-	25	48	100	-	4.50	C	
		SK50AD/B-EZ32SR-080KK	71B	80	61	42	49	-	32	52	80	-	3.30	C	
	○	SK50AD/B-EZ32SR-100KK	71B	100	81	42	51	-	32	52	100	-	3.50	C	
	○	SK50AD/B-EZ32SR-120KK	71B	120	101	42	53	-	32	52	100	-	3.70	C	
	○	SK50AD/B-EZ32SR-160KK	71B	160	141	42	57	-	32	52	100	-	4.10	C	
		SK50AD/B-EZ32SR-200KK	71B	200	181	42	61	-	32	52	100	-	4.50	C	

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck



ezShrink EZSS & EZSSU // SK-EZSS & SK-EZSSU

ezShrink SlimSuper & SlimSuperUltra 極細型與超細型熱膨脹燒結刀柄
ezShrink SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		SK40AD/B-EZ03SS-120	720	120	92	9	19	-	3	11	-	-	1.20	A	
◎		SK40AD/B-EZ03SS-160	721	160	100	9	20	37	3	11	-	-	1.60	A	
		SK40AD/B-EZ03SS-200	72Y	200	100	9	20	39	3	11	-	-	2.00	A	
◎		SK40AD/B-EZ04SS-120	720	120	92	10	20	-	4	14	-	-	1.20	A	
◎		SK40AD/B-EZ04SS-160	721	160	100	10	21	38	4	14	-	-	1.60	A	
◆		SK40AD/B-EZ04SS-200	72Y	200	100	10	21	40	4	14	-	-	2.00	A	
◎		SK40AD/B-EZ05SS-120	720	120	92	11	21	-	5	17	-	-	1.20	A	
◎		SK40AD/B-EZ05SS-160	721	160	100	11	22	39	5	17	-	-	1.60	A	
		SK40AD/B-EZ05SS-200	72Y	200	100	11	22	41	5	17	-	-	2.00	A	
◎		SK40AD/B-EZ06SS-120	720	120	92	12	22	-	6	23	-	-	1.30	A	
◎		SK40AD/B-EZ06SS-160	721	160	100	12	23	40	6	23	-	-	1.70	A	
◆		SK40AD/B-EZ06SS-200	72Y	200	100	12	23	42	6	23	-	-	2.10	A	
◎		SK40AD/B-EZ08SS-120	720	120	92	14	24	-	8	27	-	-	1.30	A	
◎		SK40AD/B-EZ08SS-160	721	160	100	14	25	40	8	27	-	-	1.70	A	
◆		SK40AD/B-EZ08SS-200	72Y	200	100	14	25	42	8	27	-	-	2.10	A	
◎		SK40AD/B-EZ10SS-120	720	120	92	16	26	-	10	32	-	-	1.40	A	
◎		SK40AD/B-EZ10SS-160	721	160	100	16	27	42	10	32	-	-	1.80	A	
◆		SK40AD/B-EZ10SS-200	72Y	200	100	16	27	44	10	32	-	-	2.20	A	
◎		SK40AD/B-EZ12SS-120	720	120	92	18	28	-	12	37	-	-	1.40	A	
◎		SK40AD/B-EZ12SS-160	721	160	100	18	29	42	12	37	-	-	1.80	A	
		SK40AD/B-EZ12SS-200	72Y	200	100	18	29	44	12	37	-	-	2.20	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		SK40AD/B-EZ03SSU-120	722	120	92	7	17	-	3	11	-	-	1.20	A	
◎		SK40AD/B-EZ03SSU-160	723	160	100	7	18	35	3	11	-	-	1.60	A	
		SK40AD/B-EZ03SSU-200	72Z	200	100	7	18	37	3	11	-	-	2.00	A	
◎		SK40AD/B-EZ04SSU-120	722	120	92	8	18	-	4	14	-	-	1.20	A	
◎		SK40AD/B-EZ04SSU-160	723	160	100	8	19	36	4	14	-	-	1.60	A	
◆		SK40AD/B-EZ04SSU-200	72Z	200	100	8	19	38	4	14	-	-	2.00	A	
◎		SK40AD/B-EZ05SSU-120	722	120	92	9	19	-	5	17	-	-	1.20	A	
◎		SK40AD/B-EZ05SSU-160	723	160	100	9	20	37	5	17	-	-	1.60	A	
		SK40AD/B-EZ05SSU-200	72Z	200	100	9	20	39	5	17	-	-	2.00	A	
◎		SK40AD/B-EZ06SSU-120	722	120	92	10	20	-	6	23	-	-	1.30	A	
◎		SK40AD/B-EZ06SSU-160	723	160	100	10	21	38	6	23	-	-	1.70	A	
		SK40AD/B-EZ06SSU-200	72Z	200	100	10	21	40	6	23	-	-	2.10	A	
◎		SK40AD/B-EZ08SSU-120	722	120	92	12	22	-	8	27	-	-	1.30	A	
◎		SK40AD/B-EZ08SSU-160	723	160	100	12	23	38	8	27	-	-	1.70	A	
		SK40AD/B-EZ08SSU-200	72Z	200	100	12	23	40	8	27	-	-	2.10	A	
◎		SK40AD/B-EZ10SSU-120	722	120	92	14	24	-	10	32	-	-	1.40	A	
◎		SK40AD/B-EZ10SSU-160	723	160	100	14	25	40	10	32	-	-	1.80	A	
		SK40AD/B-EZ10SSU-200	72Z	200	100	14	25	42	10	32	-	-	2.20	A	
◎		SK40AD/B-EZ12SSU-120	722	120	92	16	26	-	12	37	-	-	1.40	A	
◎		SK40AD/B-EZ12SSU-160	723	160	100	16	27	40	12	37	-	-	1.80	A	
		SK40AD/B-EZ12SSU-200	72Z	200	100	16	27	42	12	37	-	-	2.20	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產 // STOCK BLANK=on request

STOCK ◆=售完後設計變更 // STOCK ◆=Change design after sold out

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		SK50AD/B-EZX03SS-120	720	120	80	9	18	-	3	11	-	-	2.90	C	
○		SK50AD/B-EZX03SS-160	721	160	100	9	20	26	3	11	-	-	3.30	C	
		SK50AD/B-EZX03SS-200	721	200	100	9	20	33	3	11	-	-	3.70	C	
○		SK50AD/B-EZX04SS-120	720	120	80	10	19	-	4	14	-	-	2.90	C	
○		SK50AD/B-EZX04SS-160	721	160	100	10	21	27	4	14	-	-	3.30	C	
		SK50AD/B-EZX04SS-200	721	200	100	10	21	34	4	14	-	-	3.70	C	
○		SK50AD/B-EZX05SS-120	720	120	80	11	20	-	5	17	-	-	2.90	C	
○		SK50AD/B-EZX05SS-160	721	160	100	11	22	28	5	17	-	-	3.30	C	
		SK50AD/B-EZX05SS-200	721	200	100	11	22	35	5	17	-	-	3.70	C	
○		SK50AD/B-EZX06SS-120	720	120	80	12	21	-	6	23	-	-	3.00	C	
○		SK50AD/B-EZX06SS-160	721	160	100	12	23	29	6	23	-	-	3.40	C	
		SK50AD/B-EZX06SS-200	721	200	100	12	23	36	6	23	-	-	3.80	C	
○		SK50AD/B-EZX08SS-120	720	120	80	14	23	-	8	27	-	-	3.00	C	
○		SK50AD/B-EZX08SS-160	721	160	100	14	25	31	8	27	-	-	3.40	C	
		SK50AD/B-EZX08SS-200	721	200	100	14	25	38	8	27	-	-	3.80	C	
○		SK50AD/B-EZX10SS-120	720	120	80	16	25	-	10	32	-	-	3.10	C	
○		SK50AD/B-EZX10SS-160	721	160	100	16	27	32	10	32	-	-	3.50	C	
		SK50AD/B-EZX10SS-200	721	200	100	16	27	39	10	32	-	-	3.90	C	
○		SK50AD/B-EZX12SS-120	720	120	80	18	27	-	12	37	-	-	3.10	C	
○		SK50AD/B-EZX12SS-160	721	160	100	18	29	34	12	37	-	-	3.50	C	
		SK50AD/B-EZX12SS-200	721	200	100	18	29	40	12	37	-	-	3.90	C	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		SK50AD/B-EZX03SSU-120	722	120	80	7	16	-	3	11	-	-	2.90	C	
○		SK50AD/B-EZX03SSU-160	723	160	100	7	18	24	3	11	-	-	3.30	C	
		SK50AD/B-EZX03SSU-200	723	200	100	7	18	31	3	11	-	-	3.70	C	
○		SK50AD/B-EZX04SSU-120	722	120	80	8	17	-	4	14	-	-	2.90	C	
○		SK50AD/B-EZX04SSU-160	723	160	100	8	19	25	4	14	-	-	3.30	C	
		SK50AD/B-EZX04SSU-200	723	200	100	8	19	32	4	14	-	-	3.70	C	
○		SK50AD/B-EZX05SSU-120	722	120	80	9	18	-	5	17	-	-	2.90	C	
○		SK50AD/B-EZX05SSU-160	723	160	100	9	20	26	5	17	-	-	3.30	C	
		SK50AD/B-EZX05SSU-200	723	200	100	9	20	33	5	17	-	-	3.70	C	
○		SK50AD/B-EZX06SSU-120	722	120	80	10	19	-	6	23	-	-	3.00	C	
○		SK50AD/B-EZX06SSU-160	723	160	100	10	21	27	6	23	-	-	3.40	C	
		SK50AD/B-EZX06SSU-200	723	200	100	10	21	34	6	23	-	-	3.80	C	
○		SK50AD/B-EZX08SSU-120	722	120	80	12	21	-	8	27	-	-	3.00	C	
○		SK50AD/B-EZX08SSU-160	723	160	100	12	23	29	8	27	-	-	3.40	C	
		SK50AD/B-EZX08SSU-200	723	200	100	12	23	36	8	27	-	-	3.80	C	
○		SK50AD/B-EZX10SSU-120	722	120	80	14	23	-	10	32	-	-	3.10	C	
○		SK50AD/B-EZX10SSU-160	723	160	100	14	25	30	10	32	-	-	3.50	C	
		SK50AD/B-EZX10SSU-200	723	200	100	14	25	37	10	32	-	-	3.90	C	
○		SK50AD/B-EZX12SSU-120	722	120	80	16	25	-	12	37	-	-	3.10	C	
○		SK50AD/B-EZX12SSU-160	723	160	100	16	27	32	12	37	-	-	3.50	C	
		SK50AD/B-EZX12SSU-200	723	200	100	16	27	38	12	37	-	-	3.90	C	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZ // β -CAT

β -CAT is the norm of 7/24 CAT taper and face contact

β -CAT**A is standard type

β -CAT**AD is standard type with coolant through center

β -CAT**B is standard type with coolant through flange

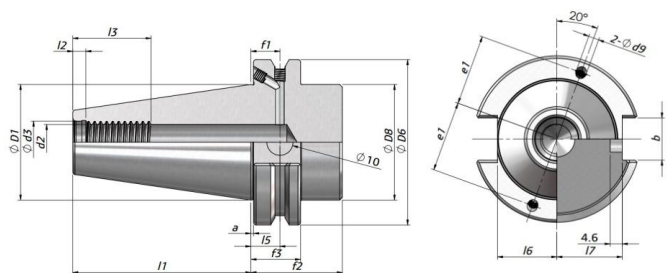
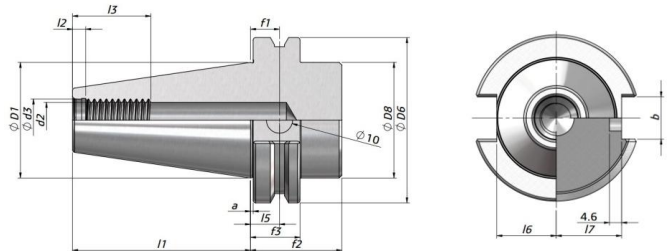
β -CAT**AD/B is standard type with both type coolant through

β-CAT toolholder with IC chip hole is a standard product from YAMAKEN

CLAMPING FORCE	β -CAT30	β -CAT40	β -CAT50
	6KN	12KN	25KN

TAPER	β-CAT30AD	β-CAT40AD	β-CAT50AD
ØD1	1.25"	1.75"	2.75"
d2	UNC1/2"-13	UNC5/8"-11	UNC1"-8
Ød3 +0.015"/-0.0"	0.516"	0.641"	1.031"
ØD6 +/-0.002"	1.812"	2.500"	3.875"
ØD8 +/-0.005"	1.25"	1.75"	2.75"
a +0/-0.0002"	0.03937"	0.03937"	0.05906"
f1 +/-0.002"	0.44"	0.44"	0.44"
f2 min.	1.38"	1.38"	1.38"
f3 0.0/-0.002"	0.75"	0.75"	0.75"
l1 +/-0.005"	1.875"	2.687"	4.000"
l2 +/-0.010"	0.188"	0.188"	0.250"
l3 min.	1.00"	1.12"	1.75"
l6 0.0"/-0.015"	0.640"	0.890"	1.390"
l7 0.0"/-0.015"	0.735"	0.985"	1.485"
b +/-0.010"	0.645"	0.645"	1.020"

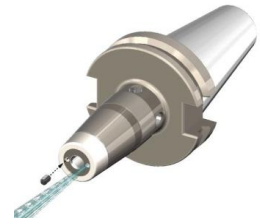
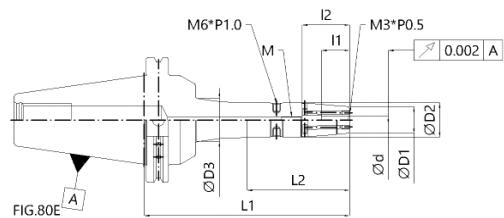
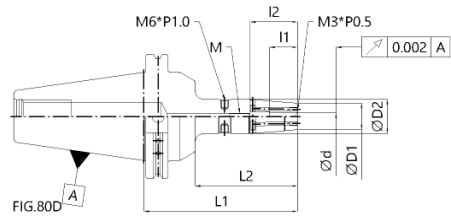
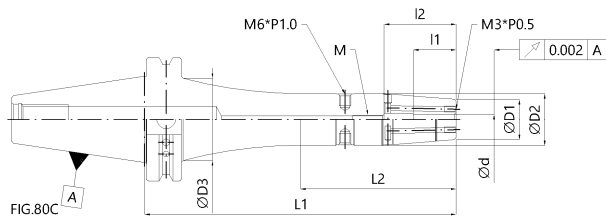
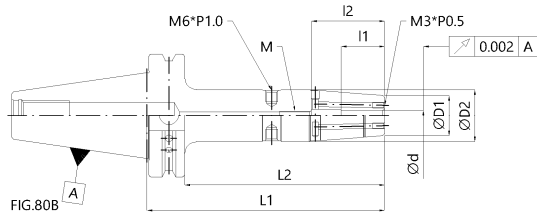
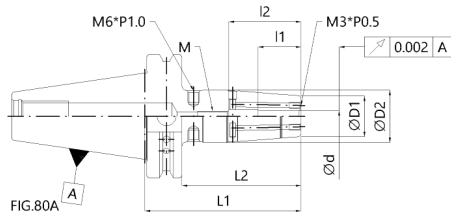
TAPER	β-CAT30AD/B	β-CAT40AD/B	β-CAT50AD/B
e1 +/-0.004"	0.827"	1.063"	1.654"
Ød9	0.158"	0.158"	0.236"



圓錐角度公差 // TAPER ANGLE TOLERANCE				
TAPER	#30 TAPER	#40 TAPER	#50 TAPER	
AT1 (mm)	+0.00003"/+0.00005"	+0.00004"/+0.00006"	+0.00005"/+0.00008"	
AT2 (mm)	+0.00005"/+0.00008"	+0.00006"/+0.00010"	+0.00008"/+0.00013"	
AT3 (mm)	+0.00008"/+0.00013"	+0.00010"/+0.00016"	+0.00013"/+0.00020"	
圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE				
TAPER	#30 TAPER	#40 TAPER	#50 TAPER	
	0.00008"	0.00008"	0.00012"	
圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE				
TAPER	#30 TAPER	#30 TAPER	#40 TAPER	#50 TAPER
		0.00004"	0.00004"	0.00008"

AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準



ezShrink EZKK // RF β-CAT-EZKK

ezShrink+ezKool RF防鏽鍍層鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
O		RF β-CAT40AD-EZ06-080KK	80A	80	61	21	27	-	6	23	37	M5*P0.8	1.00	A	
O		RF β-CAT40AD-EZ06-120KK	80B	120	101	21	27	-	6	23	37	M5*P0.8	1.40	A	
O		RF β-CAT40AD-EZ06-160KK	80C	160	80	21	27	43	6	23	37	M5*P0.8	1.80	A	
O		RF β-CAT40AD-EZ06-200KK	80C	200	120	21	27	43	6	23	37	M5*P0.8	2.20	A	
O		RF β-CAT40AD-EZ08-080KK	80A	80	61	21	27	-	8	27	37	M6*P1.0	1.00	A	
O		RF β-CAT40AD-EZ08-120KK	80B	120	101	21	27	-	8	27	37	M6*P1.0	1.40	A	
O		RF β-CAT40AD-EZ08-160KK	80C	160	80	21	27	43	8	27	37	M6*P1.0	1.80	A	
O		RF β-CAT40AD-EZ08-200KK	80C	200	120	21	27	43	8	27	37	M6*P1.0	2.20	A	
O		RF β-CAT40AD-EZ10-080KK	80A	80	61	24	32	-	10	32	42	M8*P1.0	1.10	A	
O		RF β-CAT40AD-EZ10-120KK	80B	120	101	24	32	-	10	32	42	M8*P1.0	1.50	A	
O		RF β-CAT40AD-EZ10-160KK	80C	160	80	24	32	44	10	32	42	M8*P1.0	1.90	A	
O		RF β-CAT40AD-EZ10-200KK	80C	200	120	24	32	44	10	32	42	M8*P1.0	2.30	A	
O		RF β-CAT40AD-EZ12-080KK	80A	80	61	24	32	-	12	37	48	M10*P1.0	1.10	A	
O		RF β-CAT40AD-EZ12-120KK	80B	120	101	24	32	-	12	37	48	M10*P1.0	1.50	A	
O		RF β-CAT40AD-EZ12-160KK	80C	160	80	24	32	44	12	37	48	M10*P1.0	1.90	A	
O		RF β-CAT40AD-EZ12-200KK	80C	200	120	24	32	44	12	37	48	M10*P1.0	2.30	A	
O		RF β-CAT40AD-EZ14-080KK	80A	80	61	27	34	-	14	37	48	M10*P1.0	1.20	A	
O		RF β-CAT40AD-EZ14-120KK	80B	120	101	27	34	-	14	37	48	M10*P1.0	1.60	A	
O		RF β-CAT40AD-EZ14-160KK	80C	160	80	27	34	44	14	37	48	M10*P1.0	2.00	A	
O		RF β-CAT40AD-EZ14-200KK	80C	200	120	27	34	44	14	37	48	M10*P1.0	2.40	A	
O		RF β-CAT40AD-EZ16-080KK	80A	80	61	27	34	-	16	40	51	M12*P1.0	1.20	A	
O		RF β-CAT40AD-EZ16-120KK	80B	120	101	27	34	-	16	40	51	M12*P1.0	1.60	A	
O		RF β-CAT40AD-EZ16-160KK	80C	160	80	27	34	44	16	40	51	M12*P1.0	2.00	A	
O		RF β-CAT40AD-EZ16-200KK	80C	200	120	27	34	44	16	40	51	M12*P1.0	2.40	A	
O		RF β-CAT40AD-EZ18-080KK	80A	80	61	33	41	-	18	40	51	M12*P1.0	1.30	A	
O		RF β-CAT40AD-EZ18-120KK	80B	120	101	33	41	-	18	40	51	M12*P1.0	1.70	A	
O		RF β-CAT40AD-EZ18-160KK	80B	160	80	33	41	-	18	40	51	M12*P1.0	2.10	A	
O		RF β-CAT40AD-EZ18-200KK	80B	200	120	33	41	-	18	40	51	M12*P1.0	2.50	A	
O		RF β-CAT40AD-EZ20-080KK	80A	80	61	33	41	-	20	42	53	M16*P1.0	1.30	A	
O		RF β-CAT40AD-EZ20-120KK	80B	120	101	33	41	-	20	42	53	M16*P1.0	1.70	A	
O		RF β-CAT40AD-EZ20-160KK	80B	160	80	33	41	-	20	42	53	M16*P1.0	2.10	A	
O		RF β-CAT40AD-EZ20-200KK	80B	200	120	33	41	-	20	42	53	M16*P1.0	2.50	A	
O		RF β-CAT40AD-EZ25-100KK	80A	100	61	44	53	-	25	48	59	M16*P1.0	1.90	A	
O		RF β-CAT40AD-EZ25-120KK	80B	120	101	44	53	-	25	48	59	M16*P1.0	2.10	A	
O		RF β-CAT40AD-EZ25-160KK	80B	160	141	44	53	-	25	48	59	M16*P1.0	2.50	A	
O		RF β-CAT40AD-EZ25-200KK	80B	200	181	44	53	-	25	48	59	M16*P1.0	2.90	A	
O		RF β-CAT40AD-EZ32-100KK	80A	100	61	44	53	-	32	52	63	M16*P1.0	1.90	A	
O		RF β-CAT40AD-EZ32-120KK	80B	120	101	44	53	-	32	52	63	M16*P1.0	2.10	A	
O		RF β-CAT40AD-EZ32-160KK	80B	160	141	44	53	-	32	52	63	M16*P1.0	2.50	A	
O		RF β-CAT40AD-EZ32-200KK	80B	200	181	44	53	-	32	52	63	M16*P1.0	2.90	A	

產品FIG.80A, 80B & 80C出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.80A, 80B & 80C EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.80A, 80B & 80C出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.80A, 80B & 80C EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		RF β-CAT50AD-EZX06-120KK	80D	120	80	21	27	-	6	23	37	M5*P0.8	3.00	C	
O		RF β-CAT50AD-EZX06-160KK	80E	160	80	21	27	34	6	23	37	M5*P0.8	3.40	C	
O		RF β-CAT50AD-EZX06-200KK	80E	200	120	21	27	34	6	23	37	M5*P0.8	3.80	C	
O		RF β-CAT50AD-EZX08-120KK	80D	120	80	21	27	-	8	27	37	M6*P1.0	3.00	C	
O		RF β-CAT50AD-EZX08-160KK	80E	160	80	21	27	34	8	27	37	M6*P1.0	3.40	C	
O		RF β-CAT50AD-EZX08-200KK	80E	200	120	21	27	34	8	27	37	M6*P1.0	3.80	C	
O		RF β-CAT50AD-EZX10-120KK	80D	120	80	24	32	-	10	32	42	M8*P1.0	3.10	C	
O		RF β-CAT50AD-EZX10-160KK	80E	160	80	24	32	38	10	32	42	M8*P1.0	3.50	C	
O		RF β-CAT50AD-EZX10-200KK	80E	200	120	24	32	38	10	32	42	M8*P1.0	3.90	C	
O		RF β-CAT50AD-EZX12-120KK	80D	120	80	24	32	-	12	37	48	M10*P1.0	3.10	C	
O		RF β-CAT50AD-EZX12-160KK	80E	160	80	24	32	38	12	37	48	M10*P1.0	3.50	C	
O		RF β-CAT50AD-EZX12-200KK	80E	200	120	24	32	38	12	37	48	M10*P1.0	3.90	C	
O		RF β-CAT50AD-EZX14-120KK	80D	120	80	27	34	-	14	37	48	M10*P1.0	3.20	C	
O		RF β-CAT50AD-EZX14-160KK	80E	160	80	27	34	40	14	37	48	M10*P1.0	3.60	C	
O		RF β-CAT50AD-EZX14-200KK	80E	200	120	27	34	40	14	37	48	M10*P1.0	4.00	C	
O		RF β-CAT50AD-EZX16-120KK	80D	120	80	27	34	-	16	40	51	M12*P1.0	3.20	C	
O		RF β-CAT50AD-EZX16-160KK	80E	160	80	27	34	40	16	40	51	M12*P1.0	3.60	C	
O		RF β-CAT50AD-EZX16-200KK	80E	200	120	27	34	40	16	40	51	M12*P1.0	4.00	C	
O		RF β-CAT50AD-EZX18-120KK	80D	120	80	33	41	-	18	40	51	M12*P1.0	3.30	C	
O		RF β-CAT50AD-EZX18-160KK	80E	160	80	33	41	46	18	40	51	M12*P1.0	3.70	C	
O		RF β-CAT50AD-EZX18-200KK	80E	200	120	33	41	46	18	40	51	M12*P1.0	4.10	C	
O		RF β-CAT50AD-EZX20-120KK	80D	120	80	33	41	-	20	42	53	M16*P1.0	3.30	C	
O		RF β-CAT50AD-EZX20-160KK	80E	160	80	33	41	46	20	42	53	M16*P1.0	3.70	C	
O		RF β-CAT50AD-EZX20-200KK	80E	200	120	33	41	46	20	42	53	M16*P1.0	4.10	C	
O		RF β-CAT50AD-EZ25-120KK	80B	120	82	44	53	-	25	48	59	M16*P1.0	3.70	C	
O		RF β-CAT50AD-EZ25-160KK	80C	160	80	44	53	64	25	48	59	M16*P1.0	4.10	C	
O		RF β-CAT50AD-EZ25-200KK	80C	200	120	44	53	64	25	48	59	M16*P1.0	4.50	C	
O		RF β-CAT50AD-EZ32-120KK	80B	120	82	44	53	-	32	52	63	M16*P1.0	3.70	C	
O		RF β-CAT50AD-EZ32-160KK	80C	160	80	44	53	64	32	52	63	M16*P1.0	4.10	C	
O		RF β-CAT50AD-EZ32-200KK	80C	200	120	44	53	64	32	52	63	M16*P1.0	4.50	C	

產品FIG.80B, 80C, 80D & 80E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.80B, 80C, 80D & 80E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.80B, 80C, 80D & 80E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.80B, 80C, 80D & 80E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZKK // RF β-CAT-EZKK inch

ezShrink+ezKool RF防鏽鍍層鼻端噴水熱膨脹燒結刀柄-英制

ezShrink+ezKool RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		RF β-CAT40AD-EZ1/4"-3.15"KK	80A	3.15"	2.40"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.00	A	
O		RF β-CAT40AD-EZ1/4"-4.72"KK	80B	4.72"	3.98"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.40	A	
O		RF β-CAT40AD-EZ1/4"-6.30"KK	80C	6.30"	3.15"	0.83"	1.06"	1.70"	1/4"	0.91"	1.46"	M5*P0.8	1.80	A	
O		RF β-CAT40AD-EZ1/4"-7.87"KK	80C	7.87"	4.72"	0.83"	1.06"	1.70"	1/4"	0.91"	1.46"	M5*P0.8	2.20	A	
O		RF β-CAT40AD-EZ5/16"-3.15"KK	80A	3.15"	2.40"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.00	A	
O		RF β-CAT40AD-EZ5/16"-4.72"KK	80B	4.72"	3.98"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.40	A	
O		RF β-CAT40AD-EZ5/16"-6.30"KK	80C	6.30"	3.15"	0.83"	1.06"	1.70"	5/16"	1.06"	1.46"	M6*P1.0	1.80	A	
O		RF β-CAT40AD-EZ5/16"-7.87"KK	80C	7.87"	4.72"	0.83"	1.06"	1.70"	5/16"	1.06"	1.46"	M6*P1.0	2.20	A	
O		RF β-CAT40AD-EZ3/8"-3.15"KK	80A	3.15"	2.40"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.10	A	
O		RF β-CAT40AD-EZ3/8"-4.72"KK	80B	4.72"	3.98"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.50	A	
O		RF β-CAT40AD-EZ3/8"-6.30"KK	80C	6.30"	3.15"	0.94"	1.26"	1.74"	3/8"	1.26"	1.65"	M8*P1.0	1.90	A	
O		RF β-CAT40AD-EZ3/8"-7.87"KK	80C	7.87"	4.72"	0.94"	1.26"	1.74"	3/8"	1.26"	1.65"	M8*P1.0	2.30	A	
O		RF β-CAT40AD-EZ7/16"-3.15"KK	80A	3.15"	2.40"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	1.10	A	
O		RF β-CAT40AD-EZ7/16"-4.72"KK	80B	4.72"	3.98"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	1.50	A	
O		RF β-CAT40AD-EZ7/16"-6.30"KK	80C	6.30"	3.15"	0.94"	1.26"	1.74"	7/16"	1.26"	1.65"	M8*P1.0	1.90	A	
O		RF β-CAT40AD-EZ7/16"-7.87"KK	80C	7.87"	4.72"	0.94"	1.26"	1.74"	7/16"	1.26"	1.65"	M8*P1.0	2.30	A	
O		RF β-CAT40AD-EZ1/2"-3.15"KK	80A	3.15"	2.40"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.20	A	
O		RF β-CAT40AD-EZ1/2"-4.72"KK	80B	4.72"	3.98"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.60	A	
O		RF β-CAT40AD-EZ1/2"-6.30"KK	80C	6.30"	3.15"	0.94"	1.26"	1.74"	1/2"	1.46"	1.89"	M10*P1.0	2.00	A	
O		RF β-CAT40AD-EZ1/2"-7.87"KK	80C	7.87"	4.72"	0.94"	1.26"	1.74"	1/2"	1.46"	1.89"	M10*P1.0	2.40	A	
O		RF β-CAT40AD-EZ5/8"-3.15"KK	80A	3.15"	2.40"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.20	A	
O		RF β-CAT40AD-EZ5/8"-4.72"KK	80B	4.72"	3.98"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.60	A	
O		RF β-CAT40AD-EZ5/8"-6.30"KK	80C	6.30"	3.15"	1.06"	1.34"	1.74"	5/8"	1.57"	2.01"	M12*P1.0	2.00	A	
O		RF β-CAT40AD-EZ5/8"-7.87"KK	80C	7.87"	4.72"	1.06"	1.34"	1.74"	5/8"	1.57"	2.01"	M12*P1.0	2.40	A	
O		RF β-CAT40AD-EZ3/4"-3.15"KK	80A	3.15"	2.40"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.30	A	
O		RF β-CAT40AD-EZ3/4"-4.72"KK	80B	4.72"	3.98"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.70	A	
O		RF β-CAT40AD-EZ3/4"-6.30"KK	80B	6.30"	3.15"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	2.10	A	
O		RF β-CAT40AD-EZ3/4"-7.87"KK	80B	7.87"	4.72"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	2.50	A	
O		RF β-CAT40AD-EZ7/8"-3.15"KK	80A	3.15"	2.40"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.30	A	
O		RF β-CAT40AD-EZ7/8"-4.72"KK	80B	4.72"	3.98"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.70	A	
O		RF β-CAT40AD-EZ7/8"-6.30"KK	80B	6.30"	3.15"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	2.10	A	
O		RF β-CAT40AD-EZ7/8"-7.87"KK	80B	7.87"	4.72"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	2.50	A	
O		RF β-CAT40AD-EZ1"-3.94"KK	80A	3.94"	2.87"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	1.90	A	
O		RF β-CAT40AD-EZ1"-4.72"KK	80B	4.72"	3.66"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.10	A	
O		RF β-CAT40AD-EZ1"-6.30"KK	80B	6.30"	5.23"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.50	A	
O		RF β-CAT40AD-EZ1"-7.87"KK	80B	7.87"	6.81"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.90	A	
O		RF β-CAT40AD-EZ1 1/4"-3.94"KK	80A	3.94"	2.87"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	1.90	A	
O		RF β-CAT40AD-EZ1 1/4"-4.72"KK	80B	4.72"	3.66"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.10	A	
O		RF β-CAT40AD-EZ1 1/4"-6.30"KK	80B	6.30"	5.23"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.50	A	
O		RF β-CAT40AD-EZ1 1/4"-7.87"KK	80B	7.87"	6.81"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.90	A	

產品FIG.80A, 80B & 80C出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.80A, 80B & 80C EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.80A, 80B & 80C出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.80A, 80B & 80C EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS 無標示=限用鈨鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink+ezKool RF防鏽鍍層鼻端噴水熱膨脹燒結刀柄-英制
ezShrink RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		RF β-CAT50AD-EZX1/4"-4.72"KK	80D	4.72"	3.15"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	3.00	C	
O		RF β-CAT50AD-EZX1/4"-6.30"KK	80E	6.30"	3.15"	0.83"	1.06"	1.34"	1/4"	0.91"	1.46"	M5*P0.8	3.40	C	
O		RF β-CAT50AD-EZX1/4"-7.87"KK	80E	7.87"	4.72"	0.83"	1.06"	1.34"	1/4"	0.91"	1.46"	M5*P0.8	3.80	C	
O		RF β-CAT50AD-EZX5/16"-4.72"KK	80D	4.72"	3.15"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	3.00	C	
O		RF β-CAT50AD-EZX5/16"-6.30"KK	80E	6.30"	3.15"	0.83"	1.06"	1.34"	5/16"	1.06"	1.46"	M6*P1.0	3.40	C	
O		RF β-CAT50AD-EZX5/16"-7.87"KK	80E	7.87"	4.72"	0.83"	1.06"	1.34"	5/16"	1.06"	1.46"	M6*P1.0	3.80	C	
O		RF β-CAT50AD-EZX3/8"-4.72"KK	80D	4.72"	3.15"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	3.10	C	
O		RF β-CAT50AD-EZX3/8"-6.30"KK	80E	6.30"	3.15"	0.94"	1.26"	1.50"	3/8"	1.26"	1.65"	M8*P1.0	3.50	C	
O		RF β-CAT50AD-EZX3/8"-7.87"KK	80E	7.87"	4.72"	0.94"	1.26"	1.50"	3/8"	1.26"	1.65"	M8*P1.0	3.90	C	
O		RF β-CAT50AD-EZX7/16"-4.72"KK	80D	4.72"	3.15"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	3.10	C	
O		RF β-CAT50AD-EZX7/16"-6.30"KK	80E	6.30"	3.15"	0.94"	1.26"	1.50"	7/16"	1.26"	1.65"	M8*P1.0	3.50	C	
O		RF β-CAT50AD-EZX7/16"-7.87"KK	80E	7.87"	4.72"	0.94"	1.26"	1.50"	7/16"	1.26"	1.65"	M8*P1.0	3.90	C	
O		RF β-CAT50AD-EZX1/2"-4.72"KK	80D	4.72"	3.15"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	3.20	C	
O		RF β-CAT50AD-EZX1/2"-6.30"KK	80E	6.30"	3.15"	0.94"	1.34"	1.58"	1/2"	1.46"	1.89"	M10*P1.0	3.60	C	
O		RF β-CAT50AD-EZX1/2"-7.87"KK	80E	7.87"	4.72"	0.94"	1.34"	1.58"	1/2"	1.46"	1.89"	M10*P1.0	4.00	C	
O		RF β-CAT50AD-EZX5/8"-4.72"KK	80D	4.72"	3.15"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	3.20	C	
O		RF β-CAT50AD-EZX5/8"-6.30"KK	80E	6.30"	3.15"	1.06"	1.34"	1.58"	5/8"	1.57"	2.01"	M12*P1.0	3.60	C	
O		RF β-CAT50AD-EZX5/8"-7.87"KK	80E	7.87"	4.72"	1.06"	1.34"	1.58"	5/8"	1.57"	2.01"	M12*P1.0	4.00	C	
O		RF β-CAT50AD-EZX3/4"-4.72"KK	80D	4.72"	3.15"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	3.30	C	
O		RF β-CAT50AD-EZX3/4"-6.30"KK	80E	6.30"	3.15"	1.30"	1.62"	1.82"	3/4"	1.65"	2.09"	M16*P1.0	3.70	C	
O		RF β-CAT50AD-EZX3/4"-7.87"KK	80E	7.87"	4.72"	1.30"	1.62"	1.82"	3/4"	1.65"	2.09"	M16*P1.0	4.10	C	
O		RF β-CAT50AD-EZX7/8"-4.72"KK	80D	4.72"	3.15"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	3.30	C	
O		RF β-CAT50AD-EZX7/8"-6.30"KK	80E	6.30"	3.15"	1.30"	1.62"	1.82"	7/8"	1.65"	2.09"	M16*P1.0	3.70	C	
O		RF β-CAT50AD-EZX7/8"-7.87"KK	80E	7.87"	4.72"	1.30"	1.62"	1.82"	7/8"	1.65"	2.09"	M16*P1.0	4.10	C	
O		RF β-CAT50AD-EZ1"-4.72"KK	80B	4.72"	3.23"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	3.70	C	
O		RF β-CAT50AD-EZ1"-6.30"KK	80C	6.30"	3.15"	1.73"	2.09"	2.29"	1"	1.89"	2.32"	M16*P1.0	4.10	C	
O		RF β-CAT50AD-EZ1"-7.87"KK	80C	7.87"	4.72"	1.73"	2.09"	2.29"	1"	1.89"	2.32"	M16*P1.0	4.50	C	
O		RF β-CAT50AD-EZ1 1/4"-4.72"KK	80B	4.72"	3.23"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	3.70	C	
O		RF β-CAT50AD-EZ1 1/4"-6.30"KK	80C	6.30"	3.15"	1.73"	2.09"	2.29"	1 1/4"	2.05"	2.48"	M16*P1.0	4.10	C	
O		RF β-CAT50AD-EZ1 1/4"-7.87"KK	80C	7.87"	4.72"	1.73"	2.09"	2.29"	1 1/4"	2.05"	2.48"	M16*P1.0	4.50	C	

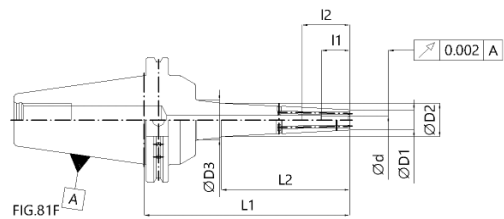
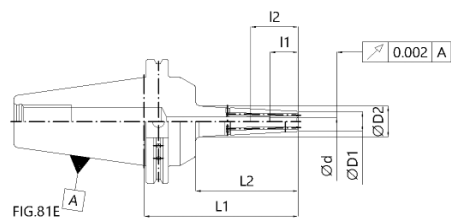
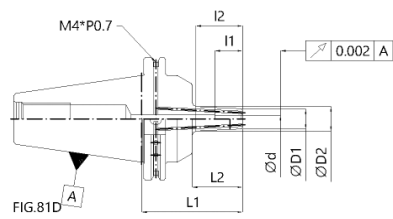
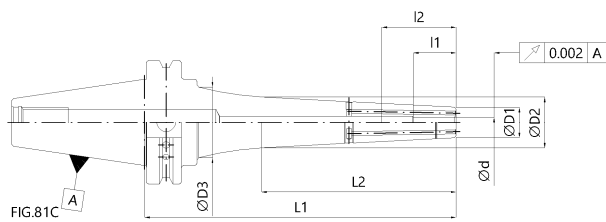
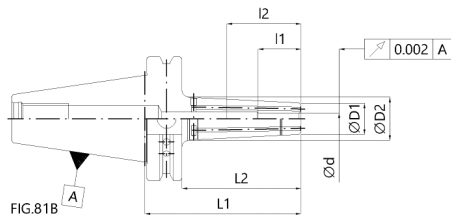
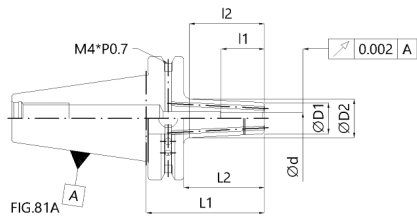
產品FIG.80B, 80C, 80D & 80E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.80B, 80C, 80D & 80E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.80B, 80C, 80D & 80E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.80B, 80C, 80D & 80E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck



ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT40AD-EZ03SR-060KV	81A	60	41	13	17	-	3	11	-	-	0.70	A	
		RF β-CAT40AD-EZ03SR-080KK	81B	80	61	13	19	-	3	11	-	-	0.90	A	
		RF β-CAT40AD-EZ03SR-120KK	81B	120	101	13	23	-	3	11	-	-	1.30	A	
		RF β-CAT40AD-EZ03SR-160KK	81C	160	100	13	24	34	3	11	-	-	1.70	A	
		RF β-CAT40AD-EZ03SR-200KK	81C	200	100	13	24	40	3	11	-	-	2.10	A	
		RF β-CAT40AD-EZ04SR-060KV	81A	60	41	14	18	-	4	14	-	-	0.70	A	
		RF β-CAT40AD-EZ04SR-080KK	81B	80	61	14	20	-	4	14	-	-	0.90	A	
		RF β-CAT40AD-EZ04SR-120KK	81B	120	101	14	24	-	4	14	-	-	1.30	A	
		RF β-CAT40AD-EZ04SR-160KK	81C	160	100	14	25	35	4	14	-	-	1.70	A	
		RF β-CAT40AD-EZ04SR-200KK	81C	200	100	14	25	41	4	14	-	-	2.10	A	
		RF β-CAT40AD-EZ05SR-060KV	81A	60	41	15	19	-	5	17	-	-	0.70	A	
		RF β-CAT40AD-EZ05SR-080KK	81B	80	61	15	21	-	5	17	-	-	0.90	A	
		RF β-CAT40AD-EZ05SR-120KK	81B	120	101	15	25	-	5	17	-	-	1.30	A	
		RF β-CAT40AD-EZ05SR-160KK	81C	160	100	15	26	36	5	17	-	-	1.70	A	
		RF β-CAT40AD-EZ05SR-200KK	81C	200	100	15	26	42	5	17	-	-	2.10	A	
		RF β-CAT40AD-EZ06SR-060KV	81A	60	41	16	20	-	6	23	-	-	0.80	A	
		RF β-CAT40AD-EZ06SR-080KK	81B	80	61	16	22	-	6	23	-	-	1.00	A	
		RF β-CAT40AD-EZ06SR-120KK	81B	120	101	16	26	-	6	23	-	-	1.40	A	
		RF β-CAT40AD-EZ06SR-160KK	81C	160	100	16	27	37	6	23	-	-	1.80	A	
		RF β-CAT40AD-EZ06SR-200KK	81C	200	100	16	27	43	6	23	-	-	2.20	A	
		RF β-CAT40AD-EZ08SR-060KV	81A	60	41	18	22	-	8	27	-	-	0.80	A	
		RF β-CAT40AD-EZ08SR-080KK	81B	80	61	18	24	-	8	27	-	-	1.00	A	
		RF β-CAT40AD-EZ08SR-120KK	81B	120	101	18	28	-	8	27	-	-	1.40	A	
		RF β-CAT40AD-EZ08SR-160KK	81C	160	100	18	29	38	8	27	-	-	1.80	A	
		RF β-CAT40AD-EZ08SR-200KK	81C	200	100	18	29	44	8	27	-	-	2.20	A	
		RF β-CAT40AD-EZ10SR-060KV	81A	60	41	20	24	-	10	32	-	-	0.90	A	
		RF β-CAT40AD-EZ10SR-080KK	81B	80	61	20	26	-	10	32	-	-	1.10	A	
		RF β-CAT40AD-EZ10SR-120KK	81B	120	101	20	30	-	10	32	-	-	1.50	A	
		RF β-CAT40AD-EZ10SR-160KK	81C	160	100	20	31	40	10	32	-	-	1.90	A	
		RF β-CAT40AD-EZ10SR-200KK	81C	200	100	20	31	44	10	32	-	-	2.30	A	
		RF β-CAT40AD-EZ12SR-060KV	81A	60	41	22	26	-	12	37	-	-	0.90	A	
		RF β-CAT40AD-EZ12SR-080KK	81B	80	61	22	28	-	12	37	-	-	1.10	A	
		RF β-CAT40AD-EZ12SR-120KK	81B	120	101	22	32	-	12	37	-	-	1.50	A	
		RF β-CAT40AD-EZ12SR-160KK	81C	160	100	22	33	40	12	37	-	-	1.90	A	
		RF β-CAT40AD-EZ12SR-200KK	81C	200	100	22	33	44	12	37	-	-	2.30	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // RF β-CAT-EZSRKK

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT40AD-EZ14SR-060KV	81A	60	41	24	28	-	14	37	60	-	1.00	A	
		RF β-CAT40AD-EZ14SR-080KK	81B	80	61	24	30	-	14	37	80	-	1.20	A	
		RF β-CAT40AD-EZ14SR-120KK	81B	120	101	24	34	-	14	37	80	-	1.60	A	
		RF β-CAT40AD-EZ14SR-160KK	81C	160	100	24	35	41	14	37	80	-	2.00	A	
		RF β-CAT40AD-EZ14SR-200KK	81C	200	173	24	42	44	14	37	80	-	2.40	A	
		RF β-CAT40AD-EZ16SR-060KV	81A	60	41	26	30	-	16	40	60	-	1.00	A	
		RF β-CAT40AD-EZ16SR-080KK	81B	80	61	26	32	-	16	40	80	-	1.20	A	
		RF β-CAT40AD-EZ16SR-120KK	81B	120	101	26	36	-	16	40	80	-	1.60	A	
		RF β-CAT40AD-EZ16SR-160KK	81C	160	100	26	40	42	16	40	80	-	2.00	A	
		RF β-CAT40AD-EZ16SR-200KK	81C	200	173	26	44	44	16	40	80	-	2.40	A	
		RF β-CAT40AD-EZ18SR-060KV	81A	60	41	28	32	-	18	40	60	-	1.10	A	
		RF β-CAT40AD-EZ18SR-080KK	81B	80	61	28	34	-	18	40	80	-	1.30	A	
		RF β-CAT40AD-EZ18SR-120KK	81B	120	101	28	38	-	18	40	80	-	1.70	A	
		RF β-CAT40AD-EZ18SR-160KK	81B	160	141	28	42	-	18	40	80	-	2.10	A	
		RF β-CAT40AD-EZ18SR-200KK	81B	200	181	28	44	-	18	40	80	-	2.50	A	
		RF β-CAT40AD-EZ20SR-060KV	81A	60	41	30	34	-	20	40	60	-	1.10	A	
		RF β-CAT40AD-EZ20SR-080KK	81B	80	61	30	36	-	20	42	80	-	1.30	A	
		RF β-CAT40AD-EZ20SR-120KK	81B	120	101	30	40	-	20	42	80	-	1.70	A	
		RF β-CAT40AD-EZ20SR-160KK	81B	160	141	30	44	-	20	42	80	-	2.10	A	
		RF β-CAT40AD-EZ20SR-200KK	81B	200	181	30	44	-	20	42	80	-	2.50	A	
		RF β-CAT40AD-EZ25SR-060KV	81A	60	41	35	39	-	25	40	60	-	1.50	A	
		RF β-CAT40AD-EZ25SR-080KK	81B	80	61	35	41	-	25	48	80	-	1.70	A	
		RF β-CAT40AD-EZ25SR-120KK	81B	120	101	35	44	-	25	48	100	-	2.10	A	
		RF β-CAT40AD-EZ25SR-160KK	81B	160	141	35	47	-	25	48	100	-	2.50	A	
		RF β-CAT40AD-EZ25SR-200KK	81B	200	181	35	51	-	25	48	100	-	2.90	A	
		RF β-CAT40AD-EZ32SR-060KZ	81A	60	41	42	44	-	32	40	60	-	1.50	A	
		RF β-CAT40AD-EZ32SR-080KZ	81A	80	61	42	44	-	32	49	80	-	1.70	A	
		RF β-CAT40AD-EZ32SR-120KK	81B	120	101	42	50	-	32	52	100	-	2.10	A	
		RF β-CAT40AD-EZ32SR-160KK	81B	160	141	42	54	-	32	52	100	-	2.50	A	
		RF β-CAT40AD-EZ32SR-200KK	81B	200	181	42	58	-	32	52	100	-	2.90	A	

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT50AD-EZX03SR-080KV	81D	80	40	13	18	-	3	11	-	-	2.50	C	
		RF β-CAT50AD-EZX03SR-100KV	81D	100	60	13	20	-	3	11	-	-	2.70	C	
		RF β-CAT50AD-EZX03SR-120KK	81E	120	80	13	22	-	3	11	-	-	2.90	C	
		RF β-CAT50AD-EZX03SR-160KK	81F	160	100	13	24	28	3	11	-	-	3.30	C	
		RF β-CAT50AD-EZX03SR-200KK	81F	200	100	13	24	36	3	11	-	-	3.70	C	
		RF β-CAT50AD-EZX04SR-080KV	81D	80	40	14	19	-	4	14	-	-	2.50	C	
		RF β-CAT50AD-EZX04SR-100KV	81D	100	60	14	21	-	4	14	-	-	2.70	C	
		RF β-CAT50AD-EZX04SR-120KK	81E	120	80	14	23	-	4	14	-	-	2.90	C	
		RF β-CAT50AD-EZX04SR-160KK	81F	160	100	14	25	29	4	14	-	-	3.30	C	
		RF β-CAT50AD-EZX04SR-200KK	81F	200	100	14	25	37	4	14	-	-	3.70	C	
		RF β-CAT50AD-EZX05SR-080KV	81D	80	40	15	20	-	5	17	-	-	2.50	C	
		RF β-CAT50AD-EZX05SR-100KV	81D	100	60	15	22	-	5	17	-	-	2.70	C	
		RF β-CAT50AD-EZX05SR-120KK	81E	120	80	15	24	-	5	17	-	-	2.90	C	
		RF β-CAT50AD-EZX05SR-160KK	81F	160	100	15	26	30	5	17	-	-	3.30	C	
		RF β-CAT50AD-EZX05SR-200KK	81F	200	100	15	26	38	5	17	-	-	3.70	C	
		RF β-CAT50AD-EZX06SR-080KV	81D	80	40	16	21	-	6	23	-	-	2.60	C	
		RF β-CAT50AD-EZX06SR-100KV	81D	100	60	16	23	-	6	23	-	-	2.80	C	
		RF β-CAT50AD-EZX06SR-120KK	81E	120	80	16	25	-	6	23	-	-	3.00	C	
		RF β-CAT50AD-EZX06SR-160KK	81F	160	100	16	27	31	6	23	-	-	3.40	C	
		RF β-CAT50AD-EZX06SR-200KK	81F	200	100	16	27	39	6	23	-	-	3.80	C	
		RF β-CAT50AD-EZX08SR-080KV	81D	80	40	18	23	-	8	27	-	-	2.60	C	
		RF β-CAT50AD-EZX08SR-100KV	81D	100	60	18	25	-	8	27	-	-	2.80	C	
		RF β-CAT50AD-EZX08SR-120KK	81E	120	80	18	27	-	8	27	-	-	3.00	C	
		RF β-CAT50AD-EZX08SR-160KK	81F	160	100	18	29	33	8	27	-	-	3.40	C	
		RF β-CAT50AD-EZX08SR-200KK	81F	200	100	18	29	40	8	27	-	-	3.80	C	
		RF β-CAT50AD-EZX10SR-080KV	81D	80	40	20	25	-	10	32	-	-	2.70	C	
		RF β-CAT50AD-EZX10SR-100KV	81D	100	60	20	27	-	10	32	-	-	2.90	C	
		RF β-CAT50AD-EZX10SR-120KK	81E	120	80	20	29	-	10	32	-	-	3.10	C	
		RF β-CAT50AD-EZX10SR-160KK	81F	160	100	20	31	35	10	32	-	-	3.50	C	
		RF β-CAT50AD-EZX10SR-200KK	81F	200	100	20	31	41	10	32	-	-	3.90	C	
		RF β-CAT50AD-EZX12SR-080KV	81D	80	40	22	27	-	12	37	-	-	2.70	C	
		RF β-CAT50AD-EZX12SR-100KV	81D	100	60	22	29	-	12	37	-	-	2.90	C	
		RF β-CAT50AD-EZX12SR-120KK	81E	120	80	22	31	-	12	37	-	-	3.10	C	
		RF β-CAT50AD-EZX12SR-160KK	81F	160	100	22	33	36	12	37	-	-	3.50	C	
		RF β-CAT50AD-EZX12SR-200KK	81F	200	100	22	33	42	12	37	-	-	3.90	C	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // RF β-CAT-EZSRKK

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT50AD-EZX14SR-080KV	81D	80	40	24	29	-	14	37	-	-	2.80	C	
		RF β-CAT50AD-EZX14SR-100KV	81D	100	60	24	31	-	14	37	-	-	3.00	C	
		RF β-CAT50AD-EZX14SR-120KK	81E	120	80	24	36	-	14	37	-	-	3.20	C	
		RF β-CAT50AD-EZX14SR-160KK	81F	160	120	24	35	38	14	37	-	-	3.60	C	
		RF β-CAT50AD-EZX14SR-200KK	81E	200	160	24	41	-	14	37	-	-	4.00	C	
		RF β-CAT50AD-EZX16SR-080KV	81D	80	40	26	31	-	16	39	-	-	2.80	C	
		RF β-CAT50AD-EZX16SR-100KV	81D	100	60	26	33	-	16	40	-	-	3.00	C	
		RF β-CAT50AD-EZX16SR-120KK	81E	120	80	26	35	-	16	40	-	-	3.20	C	
		RF β-CAT50AD-EZX16SR-160KK	81F	160	120	26	37	40	16	40	-	-	3.60	C	
		RF β-CAT50AD-EZX16SR-200KK	81E	200	160	26	43	-	16	40	-	-	4.00	C	
		RF β-CAT50AD-EZX18SR-080KV	81D	80	40	28	33	-	18	39	-	-	2.90	C	
		RF β-CAT50AD-EZX18SR-100KV	81D	100	60	28	35	-	18	40	-	-	3.10	C	
		RF β-CAT50AD-EZX18SR-120KK	81E	120	80	28	37	-	18	40	-	-	3.30	C	
		RF β-CAT50AD-EZX18SR-160KK	81E	160	120	28	41	-	18	40	-	-	3.70	C	
		RF β-CAT50AD-EZX18SR-200KK	81E	200	160	28	45	-	18	40	-	-	4.10	C	
		RF β-CAT50AD-EZX20SR-080KV	81D	80	40	30	35	-	20	39	-	-	2.90	C	
		RF β-CAT50AD-EZX20SR-100KV	81D	100	60	30	37	-	20	42	-	-	3.10	C	
		RF β-CAT50AD-EZX20SR-120KK	81E	120	80	30	39	-	20	42	-	-	3.30	C	
		RF β-CAT50AD-EZX20SR-160KK	81E	160	120	30	43	-	20	42	-	-	3.70	C	
		RF β-CAT50AD-EZX20SR-200KK	81E	200	160	30	47	-	20	42	-	-	4.10	C	
		RF β-CAT50AD-EZ25SR-080KK	81B	80	61	35	42	-	25	48	80	-	3.30	C	
		RF β-CAT50AD-EZ25SR-100KK	81B	100	81	35	44	-	25	48	100	-	3.50	C	
		RF β-CAT50AD-EZ25SR-120KK	81B	120	101	35	46	-	25	48	100	-	3.70	C	
		RF β-CAT50AD-EZ25SR-160KK	81B	160	141	35	50	-	25	48	100	-	4.10	C	
		RF β-CAT50AD-EZ25SR-200KK	81B	200	181	35	54	-	25	48	100	-	4.50	C	
		RF β-CAT50AD-EZ32SR-080KK	81B	80	61	42	49	-	32	52	80	-	3.30	C	
		RF β-CAT50AD-EZ32SR-100KK	81B	100	81	42	51	-	32	52	100	-	3.50	C	
		RF β-CAT50AD-EZ32SR-120KK	81B	120	101	42	53	-	32	52	100	-	3.70	C	
		RF β-CAT50AD-EZ32SR-160KK	81B	160	141	42	57	-	32	52	100	-	4.10	C	
		RF β-CAT50AD-EZ32SR-200KK	81B	200	181	42	61	-	32	52	100	-	4.50	C	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT40AD-EZ1/8"SR-2.36"KV	81A	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.70	A	
		RF β-CAT40AD-EZ1/8"SR-3.15"KK	81B	3.15"	2.40"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.90	A	
		RF β-CAT40AD-EZ1/8"SR-4.72"KK	81B	4.72"	3.98"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.30	A	
		RF β-CAT40AD-EZ1/8"SR-6.30"KK	81C	6.30"	3.94"	0.52"	0.96"	1.36"	1/8"	0.43"	-	-	1.70	A	
		RF β-CAT40AD-EZ1/8"SR-7.87"KK	81C	7.87"	3.94"	0.52"	0.96"	1.60"	1/8"	0.43"	-	-	2.10	A	
		RF β-CAT40AD-EZ3/16"SR-2.36"KV	81A	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	-	-	0.70	A	
		RF β-CAT40AD-EZ3/16"SR-3.15"KK	81B	3.15"	2.40"	0.59"	0.83"	-	3/16"	0.55"	-	-	0.90	A	
		RF β-CAT40AD-EZ3/16"SR-4.72"KK	81B	4.72"	3.98"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.30	A	
		RF β-CAT40AD-EZ3/16"SR-6.30"KK	81C	6.30"	3.94"	0.59"	1.03"	1.43"	3/16"	0.55"	-	-	1.70	A	
		RF β-CAT40AD-EZ3/16"SR-7.87"KK	81C	7.87"	3.94"	0.59"	1.03"	1.67"	3/16"	0.55"	-	-	2.10	A	
		RF β-CAT40AD-EZ1/4"SR-2.36"KV	81A	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	-	-	0.80	A	
		RF β-CAT40AD-EZ1/4"SR-3.15"KK	81B	3.15"	2.40"	0.65"	0.89"	-	1/4"	0.91"	-	-	1.00	A	
		RF β-CAT40AD-EZ1/4"SR-4.72"KK	81B	4.72"	3.98"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.40	A	
		RF β-CAT40AD-EZ1/4"SR-6.30"KK	81C	6.30"	3.94"	0.65"	1.09"	1.49"	1/4"	0.91"	-	-	1.80	A	
		RF β-CAT40AD-EZ1/4"SR-7.87"KK	81C	7.87"	3.94"	0.65"	1.09"	1.73"	1/4"	0.91"	-	-	2.20	A	
		RF β-CAT40AD-EZ5/16"SR-2.36"KV	81A	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	-	-	0.80	A	
		RF β-CAT40AD-EZ5/16"SR-3.15"KK	81B	3.15"	2.40"	0.71"	0.95"	-	5/16"	1.06"	-	-	1.00	A	
		RF β-CAT40AD-EZ5/16"SR-4.72"KK	81B	4.72"	3.98"	0.71"	1.11"	-	5/16"	1.06"	-	-	1.40	A	
		RF β-CAT40AD-EZ5/16"SR-6.30"KK	81C	6.30"	3.94"	0.71"	1.15"	1.51"	5/16"	1.06"	-	-	1.80	A	
		RF β-CAT40AD-EZ5/16"SR-7.87"KK	81C	7.87"	3.94"	0.71"	1.15"	1.75"	5/16"	1.06"	-	-	2.20	A	
		RF β-CAT40AD-EZ3/8"SR-2.36"KV	81A	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.26"	-	-	0.90	A	
		RF β-CAT40AD-EZ3/8"SR-3.15"KK	81B	3.15"	2.40"	0.77"	1.01"	-	3/8"	1.26"	-	-	1.10	A	
		RF β-CAT40AD-EZ3/8"SR-4.72"KK	81B	4.72"	3.98"	0.77"	1.17"	-	3/8"	1.26"	-	-	1.50	A	
		RF β-CAT40AD-EZ3/8"SR-6.30"KK	81C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	-	-	1.90	A	
		RF β-CAT40AD-EZ3/8"SR-7.87"KK	81C	7.87"	3.94"	0.77"	1.21"	1.73"	3/8"	1.26"	-	-	2.30	A	
		RF β-CAT40AD-EZ7/16"SR-2.36"KV	81A	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.26"	-	-	0.90	A	
		RF β-CAT40AD-EZ7/16"SR-3.15"KK	81B	3.15"	2.40"	0.84"	1.08"	-	7/16"	1.26"	-	-	1.10	A	
		RF β-CAT40AD-EZ7/16"SR-4.72"KK	81B	4.72"	3.98"	0.84"	1.24"	-	7/16"	1.26"	-	-	1.50	A	
		RF β-CAT40AD-EZ7/16"SR-6.30"KK	81C	6.30"	3.94"	0.84"	1.28"	1.56"	7/16"	1.26"	-	-	1.90	A	
		RF β-CAT40AD-EZ7/16"SR-7.87"KK	81C	7.87"	3.94"	0.84"	1.28"	1.72"	7/16"	1.26"	-	-	2.30	A	

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // RF β-CAT-EZSRKK inch

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄-英制

ezShrink+ezKool SlimRegular RF rustproof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT40AD-EZ1/2"SR-2.36"KV	81A	2.36"	1.57"	0.90"	1.06"	-	1/2"	1.46"	-	-	1.00	A	
		RF β-CAT40AD-EZ1/2"SR-3.15"KK	81B	3.15"	2.40"	0.90"	1.14"	-	1/2"	1.46"	-	-	1.20	A	
		RF β-CAT40AD-EZ1/2"SR-4.72"KK	81B	4.72"	3.66"	0.90"	1.30"	-	1/2"	1.46"	-	-	1.60	A	
		RF β-CAT40AD-EZ1/2"SR-6.30"KK	81C	6.30"	3.94"	0.90"	1.34"	1.58"	1/2"	1.46"	-	-	2.00	A	
		RF β-CAT40AD-EZ1/2"SR-7.87"KK	81C	7.87"	6.81"	0.90"	1.62"	1.70"	1/2"	1.46"	-	-	2.40	A	
		RF β-CAT40AD-EZ5/8"SR-2.36"KV	81A	2.36"	1.57"	1.02"	1.18"	-	5/8"	1.54"	2.36"	-	1.00	A	
		RF β-CAT40AD-EZ5/8"SR-3.15"KK	81B	3.15"	2.40"	1.02"	1.26"	-	5/8"	1.57"	3.15"	-	1.20	A	
		RF β-CAT40AD-EZ5/8"SR-4.72"KK	81B	4.72"	3.66"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.60	A	
		RF β-CAT40AD-EZ5/8"SR-6.30"KK	81C	6.30"	3.94"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	2.00	A	
		RF β-CAT40AD-EZ5/8"SR-7.87"KK	81C	7.87"	6.81"	1.02"	1.74"	1.74"	5/8"	1.57"	3.15"	-	2.40	A	
		RF β-CAT40AD-EZ3/4"SR-2.36"KV	81A	2.36"	1.57"	1.15"	1.31"	-	3/4"	1.54"	2.36"	-	1.10	A	
		RF β-CAT40AD-EZ3/4"SR-3.15"KK	81B	3.15"	2.40"	1.15"	1.39"	-	3/4"	1.65"	3.15"	-	1.30	A	
		RF β-CAT40AD-EZ3/4"SR-4.72"KK	81B	4.72"	3.66"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.70	A	
		RF β-CAT40AD-EZ3/4"SR-6.30"KK	81B	6.30"	5.24"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	2.10	A	
		RF β-CAT40AD-EZ3/4"SR-7.87"KK	81B	7.87"	7.13"	1.15"	1.75"	-	3/4"	1.65"	3.15"	-	2.50	A	
		RF β-CAT40AD-EZ7/8"SR-2.36"KV	81A	2.36"	1.57"	1.27"	1.43"	-	7/8"	1.54"	2.36"	-	1.10	A	
		RF β-CAT40AD-EZ7/8"SR-3.15"KK	81B	3.15"	2.40"	1.27"	1.51"	-	7/8"	1.65"	3.15"	-	1.30	A	
		RF β-CAT40AD-EZ7/8"SR-4.72"KK	81B	4.72"	3.66"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	1.70	A	
		RF β-CAT40AD-EZ7/8"SR-6.30"KK	81B	6.30"	5.24"	1.27"	1.75"	-	7/8"	1.65"	3.15"	-	2.10	A	
		RF β-CAT40AD-EZ7/8"SR-7.87"KK	81B	7.87"	7.13"	1.27"	1.75"	-	7/8"	1.65"	3.15"	-	2.50	A	
		RF β-CAT40AD-EZ1"SR-2.36"KV	81A	2.36"	1.57"	1.40"	1.56"	-	1"	1.54"	2.36"	-	1.50	A	
		RF β-CAT40AD-EZ1"SR-3.15"KK	81B	3.15"	2.40"	1.40"	1.64"	-	1"	1.89"	3.15"	-	1.70	A	
		RF β-CAT40AD-EZ1"SR-4.72"KK	81B	4.72"	3.66"	1.40"	1.75"	-	1"	1.89"	3.94"	-	2.10	A	
		RF β-CAT40AD-EZ1"SR-6.30"KK	81B	6.30"	5.24"	1.40"	1.90"	-	1"	1.89"	3.94"	-	2.50	A	
		RF β-CAT40AD-EZ1"SR-7.87"KK	81B	7.87"	7.13"	1.40"	2.05"	-	1"	1.89"	3.94"	-	2.90	A	
		RF β-CAT40AD-EZ1 1/4"SR-2.36"KZ	81A	2.36"	1.57"	1.65"	1.75"	-	1 1/4"	1.54"	2.36"	-	1.50	A	
		RF β-CAT40AD-EZ1 1/4"SR-3.15"KZ	81A	3.15"	2.40"	1.65"	1.75"	-	1 1/4"	1.93"	3.15"	-	1.70	A	
		RF β-CAT40AD-EZ1 1/4"SR-4.72"KK	81B	4.72"	3.66"	1.65"	1.99"	-	1 1/4"	2.05"	3.94"	-	2.10	A	
		RF β-CAT40AD-EZ1 1/4"SR-6.30"KK	81B	6.30"	5.24"	1.65"	2.15"	-	1 1/4"	2.05"	3.94"	-	2.50	A	
		RF β-CAT40AD-EZ1 1/4"SR-7.87"KK	81B	7.87"	7.13"	1.65"	2.30"	-	1 1/4"	2.05"	3.94"	-	2.90	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT50AD-EZX1/8"SR-3.15"KV	81D	3.15"	1.57"	0.52"	0.72"	-	1/8"	0.43"	-	-	2.50	C	
		RF β-CAT50AD-EZX1/8"SR-3.94"KV	81D	3.94"	2.36"	0.52"	0.80"	-	1/8"	0.43"	-	-	2.70	C	
		RF β-CAT50AD-EZX1/8"SR-4.72"KK	81E	4.72"	3.15"	0.52"	0.88"	-	1/8"	0.43"	-	-	2.90	C	
		RF β-CAT50AD-EZX1/8"SR-6.30"KK	81F	6.30"	3.94"	0.52"	0.96"	1.12"	1/8"	0.43"	-	-	3.30	C	
		RF β-CAT50AD-EZX1/8"SR-7.87"KK	81F	7.87"	3.94"	0.52"	0.96"	1.44"	1/8"	0.43"	-	-	3.70	C	
		RF β-CAT50AD-EZX3/16"SR-3.15"KV	81D	3.15"	1.57"	0.59"	0.79"	-	3/16"	0.55"	-	-	2.50	C	
		RF β-CAT50AD-EZX3/16"SR-3.94"KV	81D	3.94"	2.36"	0.59"	0.87"	-	3/16"	0.55"	-	-	2.70	C	
		RF β-CAT50AD-EZX3/16"SR-4.72"KK	81E	4.72"	3.15"	0.59"	0.95"	-	3/16"	0.55"	-	-	2.90	C	
		RF β-CAT50AD-EZX3/16"SR-6.30"KK	81F	6.30"	3.94"	0.59"	1.03"	1.17"	3/16"	0.55"	-	-	3.30	C	
		RF β-CAT50AD-EZX3/16"SR-7.87"KK	81F	7.87"	3.94"	0.59"	1.03"	1.51"	3/16"	0.55"	-	-	3.70	C	
		RF β-CAT50AD-EZX1/4"SR-3.15"KV	81D	3.15"	1.57"	0.65"	0.85"	-	1/4"	0.91"	-	-	2.60	C	
		RF β-CAT50AD-EZX1/4"SR-3.94"KV	81D	3.94"	2.36"	0.65"	0.93"	-	1/4"	0.91"	-	-	2.80	C	
		RF β-CAT50AD-EZX1/4"SR-4.72"KK	81E	4.72"	3.15"	0.65"	1.01"	-	1/4"	0.91"	-	-	3.00	C	
		RF β-CAT50AD-EZX1/4"SR-6.30"KK	81F	6.30"	3.94"	0.65"	1.09"	1.25"	1/4"	0.91"	-	-	3.40	C	
		RF β-CAT50AD-EZX1/4"SR-7.87"KK	81F	7.87"	3.94"	0.65"	1.09"	1.57"	1/4"	0.91"	-	-	3.80	C	
		RF β-CAT50AD-EZX5/16"SR-3.15"KV	81D	3.15"	1.57"	0.71"	0.91"	-	5/16"	1.06"	-	-	2.60	C	
		RF β-CAT50AD-EZX5/16"SR-3.94"KV	81D	3.94"	2.36"	0.71"	0.99"	-	5/16"	1.06"	-	-	2.80	C	
		RF β-CAT50AD-EZX5/16"SR-4.72"KK	81E	4.72"	3.15"	0.71"	1.07"	-	5/16"	1.06"	-	-	3.00	C	
		RF β-CAT50AD-EZX5/16"SR-6.30"KK	81F	6.30"	3.94"	0.71"	1.15"	1.31"	5/16"	1.06"	-	-	3.40	C	
		RF β-CAT50AD-EZX5/16"SR-7.87"KK	81F	7.87"	3.94"	0.71"	1.15"	1.59"	5/16"	1.06"	-	-	3.80	C	
		RF β-CAT50AD-EZX3/8"SR-3.15"KV	81D	3.15"	1.57"	0.77"	0.97"	-	3/8"	1.26"	-	-	2.70	C	
		RF β-CAT50AD-EZX3/8"SR-3.94"KV	81D	3.94"	2.36"	0.77"	1.05"	-	3/8"	1.26"	-	-	2.90	C	
		RF β-CAT50AD-EZX3/8"SR-4.72"KK	81E	4.72"	3.15"	0.77"	1.13"	-	3/8"	1.26"	-	-	3.10	C	
		RF β-CAT50AD-EZX3/8"SR-6.30"KK	81F	6.30"	3.94"	0.77"	1.21"	1.37"	3/8"	1.26"	-	-	3.50	C	
		RF β-CAT50AD-EZX3/8"SR-7.87"KK	81F	7.87"	3.94"	0.77"	1.21"	1.61"	3/8"	1.26"	-	-	3.90	C	
		RF β-CAT50AD-EZX7/16"SR-3.15"KV	81D	3.15"	1.57"	0.84"	1.04"	-	7/16"	1.26"	-	-	2.80	C	
		RF β-CAT50AD-EZX7/16"SR-3.94"KV	81D	3.94"	2.36"	0.84"	1.12"	-	7/16"	1.26"	-	-	2.70	C	
		RF β-CAT50AD-EZX7/16"SR-4.72"KK	81E	4.72"	3.15"	0.84"	1.20"	-	7/16"	1.26"	-	-	3.10	C	
		RF β-CAT50AD-EZX7/16"SR-6.30"KK	81F	6.30"	3.94"	0.84"	1.28"	1.40"	7/16"	1.26"	-	-	3.50	C	
		RF β-CAT50AD-EZX7/16"SR-7.87"KK	81F	7.87"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	-	-	3.90	C	

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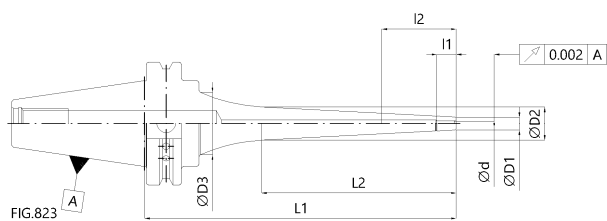
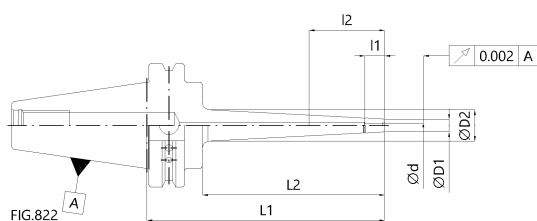
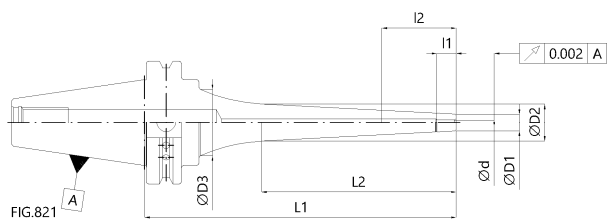
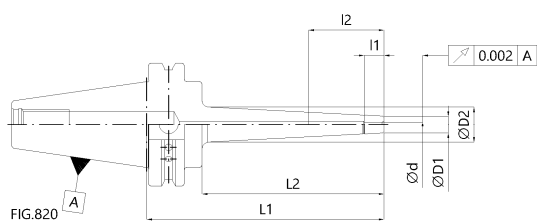
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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT50AD-EZX1/2"SR-3.15"KV	81D	3.15"	1.57"	0.90"	1.10"	-	1/2"	1.46"	-	-	2.80	C	
		RF β-CAT50AD-EZX1/2"SR-3.94"KV	81D	3.94"	2.36"	0.90"	1.18"	-	1/2"	1.46"	-	-	3.00	C	
		RF β-CAT50AD-EZX1/2"SR-4.72"KK	81E	4.72"	3.15"	0.90"	1.26"	-	1/2"	1.46"	-	-	3.20	C	
		RF β-CAT50AD-EZX1/2"SR-6.30"KK	81F	6.30"	3.94"	0.90"	1.34"	1.46"	1/2"	1.46"	-	-	3.60	C	
		RF β-CAT50AD-EZX1/2"SR-7.87"KK	81E	7.87"	6.30"	0.90"	1.58"	-	1/2"	1.46"	-	-	4.00	C	
		RF β-CAT50AD-EZX5/8"SR-3.15"KV	81D	3.15"	1.57"	1.02"	1.22"	-	5/8"	1.54"	-	-	2.80	C	
		RF β-CAT50AD-EZX5/8"SR-3.94"KV	81D	3.94"	2.36"	1.02"	1.30"	-	5/8"	1.57"	-	-	3.00	C	
		RF β-CAT50AD-EZX5/8"SR-4.72"KK	81E	4.72"	3.15"	1.02"	1.38"	-	5/8"	1.57"	-	-	3.20	C	
		RF β-CAT50AD-EZX5/8"SR-6.30"KK	81F	6.30"	3.94"	1.02"	1.46"	1.58"	5/8"	1.57"	-	-	3.60	C	
		RF β-CAT50AD-EZX5/8"SR-7.87"KK	81E	7.87"	6.30"	1.02"	1.70"	-	5/8"	1.57"	-	-	4.00	C	
		RF β-CAT50AD-EZX3/4"SR-3.15"KV	81D	3.15"	1.57"	1.15"	1.35"	-	3/4"	1.54"	-	-	2.90	C	
		RF β-CAT50AD-EZX3/4"SR-3.94"KV	81D	3.94"	2.36"	1.15"	1.43"	-	3/4"	1.65"	-	-	3.10	C	
		RF β-CAT50AD-EZX3/4"SR-4.72"KK	81E	4.72"	3.15"	1.15"	1.51"	-	3/4"	1.65"	-	-	3.30	C	
		RF β-CAT50AD-EZX3/4"SR-6.30"KK	81E	6.30"	4.72"	1.15"	1.67"	-	3/4"	1.65"	-	-	3.70	C	
		RF β-CAT50AD-EZX3/4"SR-7.87"KK	81E	7.87"	6.30"	1.15"	1.83"	-	3/4"	1.65"	-	-	4.10	C	
		RF β-CAT50AD-EZX7/8"SR-3.15"KV	81D	3.15"	1.57"	1.27"	1.47"	-	7/8"	1.54"	3.15"	-	2.90	C	
		RF β-CAT50AD-EZX7/8"SR-3.94"KV	81D	3.94"	2.36"	1.27"	1.55"	-	7/8"	1.65"	3.15"	-	3.10	C	
		RF β-CAT50AD-EZX7/8"SR-4.72"KK	81E	4.72"	3.15"	1.27"	1.63"	-	7/8"	1.65"	3.15"	-	3.30	C	
		RF β-CAT50AD-EZX7/8"SR-6.30"KK	81E	6.30"	4.72"	1.27"	1.79"	-	7/8"	1.65"	3.15"	-	3.70	C	
		RF β-CAT50AD-EZX7/8"SR-7.87"KK	81E	7.87"	6.30"	1.27"	1.95"	-	7/8"	1.65"	3.94"	-	4.10	C	
		RF β-CAT50AD-EZ1"SR-3.15"KK	81B	3.15"	2.40"	1.40"	1.64"	-	1"	1.89"	3.15"	-	3.30	C	
		RF β-CAT50AD-EZ1"SR-3.94"KK	81B	3.94"	3.19"	1.40"	1.72"	-	1"	1.89"	3.94"	-	3.50	C	
		RF β-CAT50AD-EZ1"SR-4.72"KK	81B	4.72"	3.98"	1.40"	1.80"	-	1"	1.89"	3.94"	-	3.70	C	
		RF β-CAT50AD-EZ1"SR-6.30"KK	81B	6.30"	5.55"	1.40"	1.96"	-	1"	1.89"	3.94"	-	4.10	C	
		RF β-CAT50AD-EZ1"SR-7.87"KK	81B	7.87"	7.13"	1.40"	2.12"	-	1"	1.89"	3.94"	-	4.50	C	
		RF β-CAT50AD-EZ1 1/4"SR-3.15"KK	81B	3.15"	2.40"	1.65"	1.89"	-	1 1/4"	2.05"	3.15"	-	3.30	C	
		RF β-CAT50AD-EZ1 1/4"SR-3.94"KK	81B	3.94"	3.19"	1.65"	1.97"	-	1 1/4"	2.05"	3.94"	-	3.50	C	
		RF β-CAT50AD-EZ1 1/4"SR-4.72"KK	81B	4.72"	3.98"	1.65"	2.05"	-	1 1/4"	2.05"	3.94"	-	3.70	C	
		RF β-CAT50AD-EZ1 1/4"SR-6.30"KK	81B	6.30"	5.55"	1.65"	2.21"	-	1 1/4"	2.05"	3.94"	-	4.10	C	
		RF β-CAT50AD-EZ1 1/4"SR-7.87"KK	81B	7.87"	7.13"	1.65"	2.37"	-	1 1/4"	2.05"	3.94"	-	4.50	C	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck



ezShrink EZSS & EZSSU // RF β-CAT-EZSS & RF β-CAT-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT40AD-EZ03SS-120	820	120	92	9	19	-	3	11	-	-	1.20	A	
		RF β-CAT40AD-EZ03SS-160	821	160	100	9	20	37	3	11	-	-	1.60	A	
		RF β-CAT40AD-EZ03SS-200	821	200	100	9	20	39	3	11	-	-	2.00	A	
		RF β-CAT40AD-EZ04SS-120	820	120	92	10	20	-	4	14	-	-	1.20	A	
		RF β-CAT40AD-EZ04SS-160	821	160	100	10	21	38	4	14	-	-	1.60	A	
		RF β-CAT40AD-EZ04SS-200	821	200	100	10	21	40	4	14	-	-	2.00	A	
		RF β-CAT40AD-EZ05SS-120	820	120	92	11	21	-	5	17	-	-	1.20	A	
		RF β-CAT40AD-EZ05SS-160	821	160	100	11	22	39	5	17	-	-	1.60	A	
		RF β-CAT40AD-EZ05SS-200	821	200	100	11	22	41	5	17	-	-	2.00	A	
		RF β-CAT40AD-EZ06SS-120	820	120	92	12	22	-	6	23	-	-	1.30	A	
		RF β-CAT40AD-EZ06SS-160	821	160	100	12	23	40	6	23	-	-	1.70	A	
		RF β-CAT40AD-EZ06SS-200	821	200	100	12	23	42	6	23	-	-	2.10	A	
		RF β-CAT40AD-EZ08SS-120	820	120	92	14	24	-	8	27	-	-	1.30	A	
		RF β-CAT40AD-EZ08SS-160	821	160	100	14	25	40	8	27	-	-	1.70	A	
		RF β-CAT40AD-EZ08SS-200	821	200	100	14	25	42	8	27	-	-	2.10	A	
		RF β-CAT40AD-EZ10SS-120	820	120	92	16	26	-	10	32	-	-	1.40	A	
		RF β-CAT40AD-EZ10SS-160	821	160	100	16	27	42	10	32	-	-	1.80	A	
		RF β-CAT40AD-EZ10SS-200	821	200	100	16	27	44	10	32	-	-	2.20	A	
		RF β-CAT40AD-EZ12SS-120	820	120	92	18	28	-	12	37	-	-	1.40	A	
		RF β-CAT40AD-EZ12SS-160	821	160	100	18	29	42	12	37	-	-	1.80	A	
		RF β-CAT40AD-EZ12SS-200	821	200	100	18	29	44	12	37	-	-	2.20	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT40AD-EZ03SSU-120	822	120	92	7	17	-	3	11	-	-	1.20	A	
		RF β-CAT40AD-EZ03SSU-160	823	160	100	7	18	35	3	11	-	-	1.60	A	
		RF β-CAT40AD-EZ03SSU-200	823	200	100	7	18	37	3	11	-	-	2.00	A	
		RF β-CAT40AD-EZ04SSU-120	822	120	92	8	18	-	4	14	-	-	1.20	A	
		RF β-CAT40AD-EZ04SSU-160	823	160	100	8	19	36	4	14	-	-	1.60	A	
		RF β-CAT40AD-EZ04SSU-200	823	200	100	8	19	38	4	14	-	-	2.00	A	
		RF β-CAT40AD-EZ05SSU-120	822	120	92	9	19	-	5	17	-	-	1.20	A	
		RF β-CAT40AD-EZ05SSU-160	823	160	100	9	20	37	5	17	-	-	1.60	A	
		RF β-CAT40AD-EZ05SSU-200	823	200	100	9	20	39	5	17	-	-	2.00	A	
		RF β-CAT40AD-EZ06SSU-120	822	120	92	10	20	-	6	23	-	-	1.30	A	
		RF β-CAT40AD-EZ06SSU-160	823	160	100	10	21	38	6	23	-	-	1.70	A	
		RF β-CAT40AD-EZ06SSU-200	823	200	100	10	21	40	6	23	-	-	2.10	A	
		RF β-CAT40AD-EZ08SSU-120	822	120	92	12	22	-	8	27	-	-	1.30	A	
		RF β-CAT40AD-EZ08SSU-160	823	160	100	12	23	38	8	27	-	-	1.70	A	
		RF β-CAT40AD-EZ08SSU-200	823	200	100	12	23	40	8	27	-	-	2.10	A	
		RF β-CAT40AD-EZ10SSU-120	822	120	92	14	24	-	10	32	-	-	1.40	A	
		RF β-CAT40AD-EZ10SSU-160	823	160	100	14	25	40	10	32	-	-	1.80	A	
		RF β-CAT40AD-EZ10SSU-200	823	200	100	14	25	42	10	32	-	-	2.20	A	
		RF β-CAT40AD-EZ12SSU-120	822	120	92	16	26	-	12	37	-	-	1.40	A	
		RF β-CAT40AD-EZ12SSU-160	823	160	100	16	27	40	12	37	-	-	1.80	A	
		RF β-CAT40AD-EZ12SSU-200	823	200	100	16	27	42	12	37	-	-	2.20	A	

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HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF β-CAT50AD-EZX03SS-120	820	120	80	9	18	-	3	11	-	-	2.90	C	
	RF β-CAT50AD-EZX03SS-160	821	160	100	9	20	26	3	11	-	-	3.30	C	
	RF β-CAT50AD-EZX03SS-200	821	200	100	9	20	33	3	11	-	-	3.70	C	
	RF β-CAT50AD-EZX04SS-120	820	120	80	10	19	-	4	14	-	-	2.90	C	
	RF β-CAT50AD-EZX04SS-160	821	160	100	10	21	27	4	14	-	-	3.30	C	
	RF β-CAT50AD-EZX04SS-200	821	200	100	10	21	34	4	14	-	-	3.70	C	
	RF β-CAT50AD-EZX05SS-120	820	120	80	11	20	-	5	17	-	-	2.90	C	
	RF β-CAT50AD-EZX05SS-160	821	160	100	11	22	28	5	17	-	-	3.30	C	
	RF β-CAT50AD-EZX05SS-200	821	200	100	11	22	35	5	17	-	-	3.70	C	
	RF β-CAT50AD-EZX06SS-120	820	120	80	12	21	-	6	23	-	-	3.00	C	
	RF β-CAT50AD-EZX06SS-160	821	160	100	12	23	29	6	23	-	-	3.40	C	
	RF β-CAT50AD-EZX06SS-200	821	200	100	12	23	36	6	23	-	-	3.80	C	
	RF β-CAT50AD-EZX08SS-120	820	120	80	14	23	-	8	27	-	-	3.00	C	
	RF β-CAT50AD-EZX08SS-160	821	160	100	14	25	31	8	27	-	-	3.40	C	
	RF β-CAT50AD-EZX08SS-200	821	200	100	14	25	38	8	27	-	-	3.80	C	
	RF β-CAT50AD-EZX10SS-120	820	120	80	16	25	-	10	32	-	-	3.10	C	
	RF β-CAT50AD-EZX10SS-160	821	160	100	16	27	32	10	32	-	-	3.50	C	
	RF β-CAT50AD-EZX10SS-200	821	200	100	16	27	39	10	32	-	-	3.90	C	
	RF β-CAT50AD-EZX12SS-120	820	120	80	18	27	-	12	37	-	-	3.10	C	
	RF β-CAT50AD-EZX12SS-160	821	160	100	18	29	34	12	37	-	-	3.50	C	
	RF β-CAT50AD-EZX12SS-200	821	200	100	18	29	40	12	37	-	-	3.90	C	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF β-CAT50AD-EZX03SSU-120	822	120	80	7	16	-	3	11	-	-	2.90	C	
	RF β-CAT50AD-EZX03SSU-160	823	160	100	7	18	24	3	11	-	-	3.30	C	
	RF β-CAT50AD-EZX03SSU-200	823	200	100	7	18	31	3	11	-	-	3.70	C	
	RF β-CAT50AD-EZX04SSU-120	822	120	80	8	17	-	4	14	-	-	2.90	C	
	RF β-CAT50AD-EZX04SSU-160	823	160	100	8	19	25	4	14	-	-	3.30	C	
	RF β-CAT50AD-EZX04SSU-200	823	200	100	8	19	32	4	14	-	-	3.70	C	
	RF β-CAT50AD-EZX05SSU-120	822	120	80	9	18	-	5	17	-	-	2.90	C	
	RF β-CAT50AD-EZX05SSU-160	823	160	100	9	20	26	5	17	-	-	3.30	C	
	RF β-CAT50AD-EZX05SSU-200	823	200	100	9	20	33	5	17	-	-	3.70	C	
	RF β-CAT50AD-EZX06SSU-120	822	120	80	10	19	-	6	23	-	-	3.00	C	
	RF β-CAT50AD-EZX06SSU-160	823	160	100	10	21	27	6	23	-	-	3.40	C	
	RF β-CAT50AD-EZX06SSU-200	823	200	100	10	21	34	6	23	-	-	3.80	C	
	RF β-CAT50AD-EZX08SSU-120	822	120	80	12	21	-	8	27	-	-	3.00	C	
	RF β-CAT50AD-EZX08SSU-160	823	160	100	12	23	29	8	27	-	-	3.40	C	
	RF β-CAT50AD-EZX08SSU-200	823	200	100	12	23	36	8	27	-	-	3.80	C	
	RF β-CAT50AD-EZX10SSU-120	822	120	80	14	23	-	10	32	-	-	3.10	C	
	RF β-CAT50AD-EZX10SSU-160	823	160	100	14	25	30	10	32	-	-	3.50	C	
	RF β-CAT50AD-EZX10SSU-200	823	200	100	14	25	37	10	32	-	-	3.90	C	
	RF β-CAT50AD-EZX12SSU-120	822	120	80	16	25	-	12	37	-	-	3.10	C	
	RF β-CAT50AD-EZX12SSU-160	823	160	100	16	27	32	12	37	-	-	3.50	C	
	RF β-CAT50AD-EZX12SSU-200	823	200	100	16	27	38	12	37	-	-	3.90	C	

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ezShrink EZSS & EZSSU // RF β-CATT-EZSS & RF β-CAT-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT40AD-EZ1/8"SS-4.72"	820	4.72"	3.62"	0.36"	0.76"	-	1/8"	0.43"	-	-	1.20	A	
		RF β-CAT40AD-EZ1/8"SS-6.30"	821	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.60	A	
		RF β-CAT40AD-EZ1/8"SS-7.87"	821	7.87"	3.94"	0.36"	0.80"	1.54"	1/8"	0.43"	-	-	2.00	A	
		RF β-CAT40AD-EZ3/16"SS-4.72"	820	4.72"	3.62"	0.42"	0.82"	-	3/16"	0.55"	-	-	1.20	A	
		RF β-CAT40AD-EZ3/16"SS-6.30"	821	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.60	A	
		RF β-CAT40AD-EZ3/16"SS-7.87"	821	7.87"	3.94"	0.42"	0.86"	1.58"	3/16"	0.55"	-	-	2.00	A	
		RF β-CAT40AD-EZ1/4"SS-4.72"	820	4.72"	3.62"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.30	A	
		RF β-CAT40AD-EZ1/4"SS-6.30"	821	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.70	A	
		RF β-CAT40AD-EZ1/4"SS-7.87"	821	7.87"	3.94"	0.49"	0.93"	1.62"	1/4"	0.91"	-	-	2.10	A	
		RF β-CAT40AD-EZ5/16"SS-4.72"	820	4.72"	3.62"	0.55"	0.95"	-	5/16"	1.06"	-	-	1.30	A	
		RF β-CAT40AD-EZ5/16"SS-6.30"	821	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	-	-	1.70	A	
		RF β-CAT40AD-EZ5/16"SS-7.87"	821	7.87"	3.94"	0.55"	0.99"	1.66"	5/16"	1.06"	-	-	2.10	A	
		RF β-CAT40AD-EZ3/8"SS-4.72"	820	4.72"	3.62"	0.61"	1.01"	-	3/8"	1.26"	-	-	1.40	A	
		RF β-CAT40AD-EZ3/8"SS-6.30"	821	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	-	-	1.80	A	
		RF β-CAT40AD-EZ3/8"SS-7.87"	821	7.87"	3.94"	0.61"	1.05"	1.66"	3/8"	1.26"	-	-	2.20	A	
		RF β-CAT40AD-EZ7/16"SS-4.72"	820	4.72"	3.62"	0.67"	1.07"	-	7/16"	1.26"	-	-	1.40	A	
		RF β-CAT40AD-EZ7/16"SS-6.30"	821	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	-	-	1.80	A	
		RF β-CAT40AD-EZ7/16"SS-7.87"	821	7.87"	3.94"	0.67"	1.11"	1.74"	7/16"	1.26"	-	-	2.20	A	
		RF β-CAT40AD-EZ1/2"SS-4.72"	820	4.72"	3.62"	0.74"	1.14"	-	1/2"	1.46"	-	-	1.50	A	
		RF β-CAT40AD-EZ1/2"SS-6.30"	821	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	-	-	1.90	A	
		RF β-CAT40AD-EZ1/2"SS-7.87"	821	7.87"	3.94"	0.74"	1.18"	1.74"	1/2"	1.46"	-	-	2.30	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF β-CAT40AD-EZ1/8"SSU-4.72"	822	4.72"	3.62"	0.28"	0.68"	-	1/8"	0.43"	-	-	1.20	A	
		RF β-CAT40AD-EZ1/8"SSU-6.30"	823	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.60	A	
		RF β-CAT40AD-EZ1/8"SSU-7.87"	823	7.87"	3.94"	0.28"	0.72"	1.46"	1/8"	0.43"	-	-	2.00	A	
		RF β-CAT40AD-EZ3/16"SSU-4.72"	822	4.72"	3.62"	0.34"	0.74"	-	3/16"	0.55"	-	-	1.20	A	
		RF β-CAT40AD-EZ3/16"SSU-6.30"	823	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.60	A	
		RF β-CAT40AD-EZ3/16"SSU-7.87"	823	7.87"	3.94"	0.34"	0.78"	1.50"	3/16"	0.55"	-	-	2.00	A	
		RF β-CAT40AD-EZ1/4"SSU-4.72"	822	4.72"	3.62"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.30	A	
		RF β-CAT40AD-EZ1/4"SSU-6.30"	823	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.70	A	
		RF β-CAT40AD-EZ1/4"SSU-7.87"	823	7.87"	3.94"	0.41"	0.85"	1.54"	1/4"	0.91"	-	-	2.10	A	
		RF β-CAT40AD-EZ5/16"SSU-4.72"	822	4.72"	3.62"	0.47"	0.87"	-	5/16"	1.06"	-	-	1.30	A	
		RF β-CAT40AD-EZ5/16"SSU-6.30"	823	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	-	-	1.70	A	
		RF β-CAT40AD-EZ5/16"SSU-7.87"	823	7.87"	3.94"	0.47"	0.91"	1.58"	5/16"	1.06"	-	-	2.10	A	
		RF β-CAT40AD-EZ3/8"SSU-4.72"	822	4.72"	3.62"	0.53"	0.93"	-	3/8"	1.26"	-	-	1.40	A	
		RF β-CAT40AD-EZ3/8"SSU-6.30"	823	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	-	-	1.80	A	
		RF β-CAT40AD-EZ3/8"SSU-7.87"	823	7.87"	3.94"	0.53"	0.97"	1.58"	3/8"	1.26"	-	-	2.20	A	
		RF β-CAT40AD-EZ7/16"SSU-4.72"	822	4.72"	3.62"	0.59"	0.99"	-	7/16"	1.26"	-	-	1.40	A	
		RF β-CAT40AD-EZ7/16"SSU-6.30"	823	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	-	-	1.80	A	
		RF β-CAT40AD-EZ7/16"SSU-7.87"	823	7.87"	3.94"	0.59"	1.03"	1.66"	7/16"	1.26"	-	-	2.20	A	
		RF β-CAT40AD-EZ1/2"SSU-4.72"	822	4.72"	3.62"	0.66"	1.06"	-	1/2"	1.46"	-	-	1.50	A	
		RF β-CAT40AD-EZ1/2"SSU-6.30"	823	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	-	-	1.90	A	
		RF β-CAT40AD-EZ1/2"SSU-7.87"	823	7.87"	3.94"	0.66"	1.10"	1.66"	1/2"	1.46"	-	-	2.30	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request
每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSS & EZSSU // RF β -CAT-EZSS & RF β -CAT-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF β -CAT50AD-EZX1/8"SS-4.72"	820	4.72"	3.15"	0.36"	0.72"	-	1/8"	0.43"	-	-	2.90	C	
	RF β -CAT50AD-EZX1/8"SS-6.30"	821	6.30"	3.94"	0.36"	0.80"	1.04"	1/8"	0.43"	-	-	3.30	C	
	RF β -CAT50AD-EZX1/8"SS-7.87"	821	7.87"	3.94"	0.36"	0.80"	1.32"	1/8"	0.43"	-	-	3.70	C	
	RF β -CAT50AD-EZX3/16"SS-4.72"	820	4.72"	3.15"	0.42"	0.78"	-	3/16"	0.55"	-	-	2.90	C	
	RF β -CAT50AD-EZX3/16"SS-6.30"	821	6.30"	3.94"	0.42"	0.86"	1.10"	3/16"	0.55"	-	-	3.30	C	
	RF β -CAT50AD-EZX3/16"SS-7.87"	821	7.87"	3.94"	0.42"	0.86"	1.38"	3/16"	0.55"	-	-	3.70	C	
	RF β -CAT50AD-EZX1/4"SS-4.72"	820	4.72"	3.15"	0.49"	0.85"	-	1/4"	0.91"	-	-	3.00	C	
	RF β -CAT50AD-EZX1/4"SS-6.30"	821	6.30"	3.94"	0.49"	0.93"	1.17"	1/4"	0.91"	-	-	3.40	C	
	RF β -CAT50AD-EZX1/4"SS-7.87"	821	7.87"	3.94"	0.49"	0.93"	1.45"	1/4"	0.91"	-	-	3.80	C	
	RF β -CAT50AD-EZX5/16"SS-4.72"	820	4.72"	3.15"	0.55"	0.91"	-	5/16"	1.06"	-	-	3.00	C	
	RF β -CAT50AD-EZX5/16"SS-6.30"	821	6.30"	3.94"	0.55"	0.99"	1.23"	5/16"	1.06"	-	-	3.40	C	
	RF β -CAT50AD-EZX5/16"SS-7.87"	821	7.87"	3.94"	0.55"	0.99"	1.51"	5/16"	1.06"	-	-	3.80	C	
	RF β -CAT50AD-EZX3/8"SS-4.72"	820	4.72"	3.15"	0.61"	0.97"	-	3/8"	1.26"	-	-	3.10	C	
	RF β -CAT50AD-EZX3/8"SS-6.30"	821	6.30"	3.94"	0.61"	1.05"	1.25"	3/8"	1.26"	-	-	3.50	C	
	RF β -CAT50AD-EZX3/8"SS-7.87"	821	7.87"	3.94"	0.61"	1.05"	1.53"	3/8"	1.26"	-	-	3.90	C	
	RF β -CAT50AD-EZX7/16"SS-4.72"	820	4.72"	3.15"	0.67"	1.03"	-	7/16"	1.26"	-	-	3.10	C	
	RF β -CAT50AD-EZX7/16"SS-6.30"	821	6.30"	3.94"	0.67"	1.11"	1.31"	7/16"	1.26"	-	-	3.50	C	
	RF β -CAT50AD-EZX7/16"SS-7.87"	821	7.87"	3.94"	0.67"	1.11"	1.55"	7/16"	1.26"	-	-	3.90	C	
	RF β -CAT50AD-EZX1/2"SS-4.72"	820	4.72"	3.15"	0.74"	1.10"	-	1/2"	1.46"	-	-	3.20	C	
	RF β -CAT50AD-EZX1/2"SS-6.30"	821	6.30"	3.94"	0.74"	1.18"	1.38"	1/2"	1.46"	-	-	3.60	C	
	RF β -CAT50AD-EZX1/2"SS-7.87"	821	7.87"	3.94"	0.74"	1.18"	1.62"	1/2"	1.46"	-	-	4.00	C	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF β -CAT50AD-EZX1/8"SSU-4.72"	822	4.72"	3.15"	0.28"	0.64"	-	1/8"	0.43"	-	-	2.90	C	
	RF β -CAT50AD-EZX1/8"SSU-6.30"	823	6.30"	3.94"	0.28"	0.72"	0.96"	1/8"	0.43"	-	-	3.30	C	
	RF β -CAT50AD-EZX1/8"SSU-7.87"	823	7.87"	3.94"	0.28"	0.72"	1.24"	1/8"	0.43"	-	-	3.70	C	
	RF β -CAT50AD-EZX3/16"SSU-4.72"	822	4.72"	3.15"	0.34"	0.70"	-	3/16"	0.55"	-	-	2.90	C	
	RF β -CAT50AD-EZX3/16"SSU-6.30"	823	6.30"	3.94"	0.34"	0.78"	1.02"	3/16"	0.55"	-	-	3.30	C	
	RF β -CAT50AD-EZX3/16"SSU-7.87"	823	7.87"	3.94"	0.34"	0.78"	1.30"	3/16"	0.55"	-	-	3.70	C	
	RF β -CAT50AD-EZX1/4"SSU-4.72"	822	4.72"	3.15"	0.41"	0.77"	-	1/4"	0.91"	-	-	3.00	C	
	RF β -CAT50AD-EZX1/4"SSU-6.30"	823	6.30"	3.94"	0.41"	0.85"	1.09"	1/4"	0.91"	-	-	3.40	C	
	RF β -CAT50AD-EZX1/4"SSU-7.87"	823	7.87"	3.94"	0.41"	0.85"	1.37"	1/4"	0.91"	-	-	3.80	C	
	RF β -CAT50AD-EZX5/16"SSU-4.72"	822	4.72"	3.15"	0.47"	0.83"	-	5/16"	1.06"	-	-	3.00	C	
	RF β -CAT50AD-EZX5/16"SSU-6.30"	823	6.30"	3.94"	0.47"	0.91"	1.15"	5/16"	1.06"	-	-	3.40	C	
	RF β -CAT50AD-EZX5/16"SSU-7.87"	823	7.87"	3.94"	0.47"	0.91"	1.43"	5/16"	1.06"	-	-	3.80	C	
	RF β -CAT50AD-EZX3/8"SSU-4.72"	822	4.72"	3.15"	0.53"	0.89"	-	3/8"	1.26"	-	-	3.10	C	
	RF β -CAT50AD-EZX3/8"SSU-6.30"	823	6.30"	3.94"	0.53"	0.97"	1.17"	3/8"	1.26"	-	-	3.50	C	
	RF β -CAT50AD-EZX3/8"SSU-7.87"	823	7.87"	3.94"	0.53"	0.97"	1.45"	3/8"	1.26"	-	-	3.90	C	
	RF β -CAT50AD-EZX7/16"SSU-4.72"	822	4.72"	3.15"	0.59"	0.95"	-	7/16"	1.26"	-	-	3.10	C	
	RF β -CAT50AD-EZX7/16"SSU-6.30"	823	6.30"	3.94"	0.59"	1.03"	1.23"	7/16"	1.26"	-	-	3.50	C	
	RF β -CAT50AD-EZX7/16"SSU-7.87"	823	7.87"	3.94"	0.59"	1.03"	1.47"	7/16"	1.26"	-	-	3.90	C	
	RF β -CAT50AD-EZX1/2"SSU-4.72"	822	4.72"	3.15"	0.66"	1.02"	-	1/2"	1.46"	-	-	3.20	C	
	RF β -CAT50AD-EZX1/2"SSU-6.30"	823	6.30"	3.94"	0.66"	1.10"	1.30"	1/2"	1.46"	-	-	3.60	C	
	RF β -CAT50AD-EZX1/2"SSU-7.87"	823	7.87"	3.94"	0.66"	1.10"	1.54"	1/2"	1.46"	-	-	4.00	C	

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZ // CAT

ezShrink EZ // CAT

CAT is the norm ANSI B5.50 of 7/24 taper from U.S.
CAT**A is standard type
CAT**AD is standard type with coolant through center
CAT**B is standard type with coolant through flange
CAT**AD/B is standard type with both type coolant through

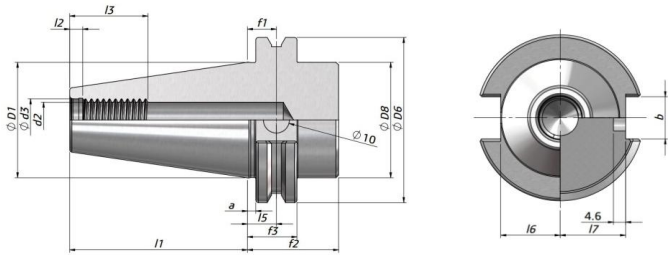
CAT是美國規範ANSI B5.50 7/24圓錐的代號
CAT**A是標準型刀柄
CAT**AD是標準型刀柄內帶中心貫穿冷卻孔
CAT**B是標準型刀柄法蘭端面帶冷卻孔
CAT**AD/B是標準型刀柄將兩種內冷卻方式整合

CAT toolholder with IC chip hole is a standard product from YAMAKEN

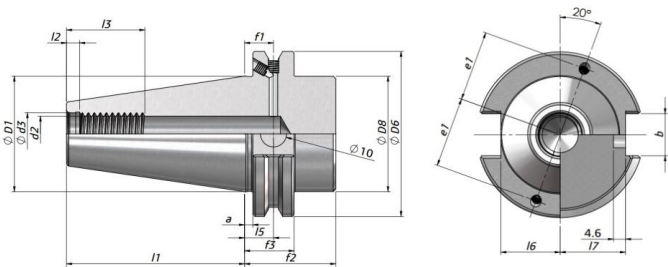
CAT刀柄上有一個IC晶片孔是山謙的生產標準品

CLAMPING FORCE	CAT30	CAT40	CAT50
	6KN	12KN	25KN

TAPER	CAT30AD	CAT40AD	CAT50AD
ØD1	1.25"	1.75"	2.75"
d2	UNC1/2"-13	UNC5/8"-11	UNC1"-8
Ød3 +0.015"/-0.0"	0.516"	0.641"	1.031"
ØD6 +/-0.002"	1.812"	2.500"	3.875"
ØD8 +/-0.005"	1.25"	1.75"	2.75"
a +/-0.002"	0.125"	0.125"	0.125"
f1 +/-0.002"	0.44"	0.44"	0.44"
f2 min.	1.38"	1.38"	1.38"
f3 0.0/-0.002"	0.75"	0.75"	0.75"
l1 +/-0.005"	1.875"	2.687"	4.000"
l2 +/-0.010"	0.188"	0.188"	0.250"
l3 min.	1.00"	1.12"	1.75"
l6 0.0"/-0.015"	0.640"	0.890"	1.390"
l7 0.0"/-0.015"	0.735"	0.985"	1.485"
b +/-0.010"	0.645"	0.645"	1.020"



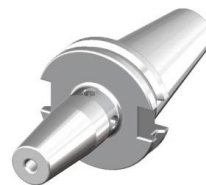
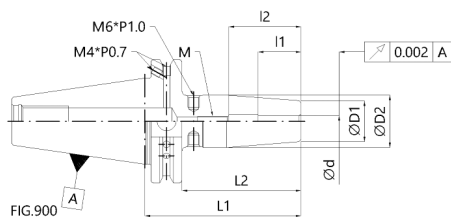
TAPER	CAT30AD/B	CAT40AD/B	CAT50AD/B
e1 +/-0.004"	0.827"	1.063"	1.654"
Ød9	0.158"	0.158"	0.236"



圓錐角度公差 // TAPER ANGLE TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
AT1 (mm)	+0.00003"/+0.00005"	+0.00004"/+0.00006"	+0.00005"/+0.00008"
AT2 (mm)	+0.00005"/+0.00008"	+0.00006"/+0.00010"	+0.00008"/+0.00013"
AT3 (mm)	+0.00008"/+0.00013"	+0.00010"/+0.00016"	+0.00013"/+0.00020"
圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
	0.00008"	0.00008"	0.00012"
圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
	0.00004"	0.00004"	0.00008"

AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準



動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
O		CAT40AD/B-EZ06-080	900	80	61	21	27	-	6	23	37	M5*P0.8	1.00	A	
O		CAT40AD/B-EZ08-080	900	80	61	21	27	-	8	27	37	M6*P1.0	1.00	A	
O		CAT40AD/B-EZ10-080	900	80	61	24	32	-	10	32	42	M8*P1.0	1.10	A	
O		CAT40AD/B-EZ12-080	900	80	61	24	32	-	12	37	48	M10*P1.0	1.10	A	
O		CAT40AD/B-EZ14-080	900	80	61	27	34	-	14	37	48	M10*P1.0	1.20	A	
O		CAT40AD/B-EZ16-080	900	80	61	27	34	-	16	40	51	M12*P1.0	1.20	A	
O		CAT40AD/B-EZ18-080	900	80	61	33	41	-	18	40	51	M12*P1.0	1.30	A	
O		CAT40AD/B-EZ20-080	900	80	61	33	41	-	20	42	53	M16*P1.0	1.30	A	
O		CAT40AD/B-EZ25-100	900	100	81	44	53	-	25	48	59	M16*P1.0	1.90	A	
O		CAT40AD/B-EZ32-100	900	100	81	44	53	-	32	52	63	M16*P1.0	1.90	A	

產品FIG.900出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.900 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZ // CAT-EZ inch

ezShrink 熱膨脹燒結刀柄-英制

ezShrink shrink fit chucks-inch

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

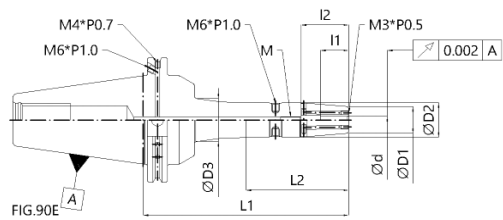
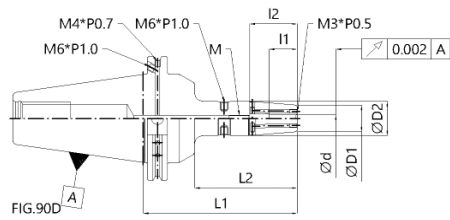
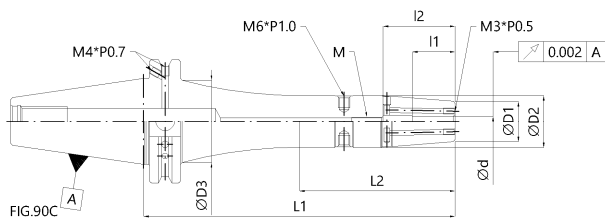
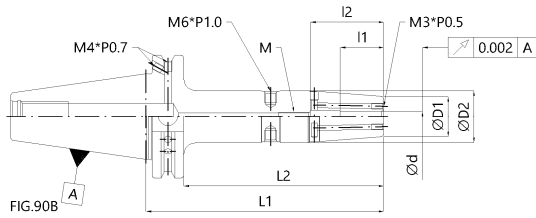
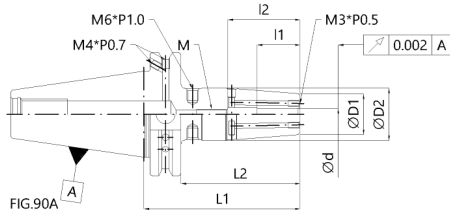
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		CAT40AD/B-EZ1/4"-3.15"	900	3.15"	2.40"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.00	A	
O		CAT40AD/B-EZ5/16"-3.15"	900	3.15"	2.40"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.00	A	
O		CAT40AD/B-EZ3/8"-3.15"	900	3.15"	2.40"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.10	A	
O		CAT40AD/B-EZ7/16"-3.15"	900	3.15"	2.40"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	1.10	A	
O		CAT40AD/B-EZ1/2"-3.15"	900	3.15"	2.40"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.20	A	
O		CAT40AD/B-EZ5/8"-3.15"	900	3.15"	2.40"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.20	A	
O		CAT40AD/B-EZ3/4"-3.15"	900	3.15"	2.40"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.30	A	
O		CAT40AD/B-EZ7/8"-3.15"	900	3.15"	2.40"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.30	A	
O		CAT40AD/B-EZ1"-3.94"	900	3.94"	3.19"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	1.90	A	
O		CAT40AD/B-EZ1 1/4"-3.94"	900	3.94"	3.19"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	1.90	A	

產品FIG.900出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.900 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

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ezShrink EZKK // CAT-EZKK

ezShrink+ezKool 鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
O		CAT40AD/B-EZ06-080KK	90A	80	61	21	27	-	6	23	37	M5*P0.8	1.00	A	
O		CAT40AD/B-EZ06-120KK	90B	120	101	21	27	-	6	23	37	M5*P0.8	1.40	A	
O		CAT40AD/B-EZ06-160KK	90C	160	80	21	27	43	6	23	37	M5*P0.8	1.80	A	
O		CAT40AD/B-EZ06-200KK	90C	200	120	21	27	43	6	23	37	M5*P0.8	2.20	A	
O		CAT40AD/B-EZ08-080KK	90A	80	61	21	27	-	8	27	37	M6*P1.0	1.00	A	
O		CAT40AD/B-EZ08-120KK	90B	120	101	21	27	-	8	27	37	M6*P1.0	1.40	A	
O		CAT40AD/B-EZ08-160KK	90C	160	80	21	27	43	8	27	37	M6*P1.0	1.80	A	
O		CAT40AD/B-EZ08-200KK	90C	200	120	21	27	43	8	27	37	M6*P1.0	2.20	A	
O		CAT40AD/B-EZ10-080KK	90A	80	61	24	32	-	10	32	42	M8*P1.0	1.10	A	
O		CAT40AD/B-EZ10-120KK	90B	120	101	24	32	-	10	32	42	M8*P1.0	1.50	A	
O		CAT40AD/B-EZ10-160KK	90C	160	80	24	32	44	10	32	42	M8*P1.0	1.90	A	
O		CAT40AD/B-EZ10-200KK	90C	200	120	24	32	44	10	32	42	M8*P1.0	2.30	A	
O		CAT40AD/B-EZ12-080KK	90A	80	61	24	32	-	12	37	48	M10*P1.0	1.10	A	
O		CAT40AD/B-EZ12-120KK	90B	120	101	24	32	-	12	37	48	M10*P1.0	1.50	A	
O		CAT40AD/B-EZ12-160KK	90C	160	80	24	32	44	12	37	48	M10*P1.0	1.90	A	
O		CAT40AD/B-EZ12-200KK	90C	200	120	24	32	44	12	37	48	M10*P1.0	2.30	A	
O		CAT40AD/B-EZ14-080KK	90A	80	61	27	34	-	14	37	48	M10*P1.0	1.20	A	
O		CAT40AD/B-EZ14-120KK	90B	120	101	27	34	-	14	37	48	M10*P1.0	1.60	A	
O		CAT40AD/B-EZ14-160KK	90C	160	80	27	34	44	14	37	48	M10*P1.0	2.00	A	
O		CAT40AD/B-EZ14-200KK	90C	200	120	27	34	44	14	37	48	M10*P1.0	2.40	A	
O		CAT40AD/B-EZ16-080KK	90A	80	61	27	34	-	16	40	51	M12*P1.0	1.20	A	
O		CAT40AD/B-EZ16-120KK	90B	120	101	27	34	-	16	40	51	M12*P1.0	1.60	A	
O		CAT40AD/B-EZ16-160KK	90C	160	80	27	34	44	16	40	51	M12*P1.0	2.00	A	
O		CAT40AD/B-EZ16-200KK	90C	200	120	27	34	44	16	40	51	M12*P1.0	2.40	A	
O		CAT40AD/B-EZ18-080KK	90A	80	61	33	41	-	18	40	51	M12*P1.0	1.30	A	
O		CAT40AD/B-EZ18-120KK	90B	120	101	33	41	-	18	40	51	M12*P1.0	1.70	A	
O		CAT40AD/B-EZ18-160KK	90C	160	80	33	41	-	18	40	51	M12*P1.0	2.10	A	
O		CAT40AD/B-EZ18-200KK	90C	200	120	33	41	-	18	40	51	M12*P1.0	2.50	A	
O		CAT40AD/B-EZ20-080KK	90A	80	61	33	41	-	20	42	53	M16*P1.0	1.30	A	
O		CAT40AD/B-EZ20-120KK	90B	120	101	33	41	-	20	42	53	M16*P1.0	1.70	A	
O		CAT40AD/B-EZ20-160KK	90C	160	80	33	41	-	20	42	53	M16*P1.0	2.10	A	
O		CAT40AD/B-EZ20-200KK	90C	200	120	33	41	-	20	42	53	M16*P1.0	2.50	A	
O		CAT40AD/B-EZ25-100KK	90A	100	61	44	53	-	25	48	59	M16*P1.0	1.90	A	
O		CAT40AD/B-EZ25-120KK	90B	120	101	44	53	-	25	48	59	M16*P1.0	2.10	A	
O		CAT40AD/B-EZ25-160KK	90B	160	141	44	53	-	25	48	59	M16*P1.0	2.50	A	
O		CAT40AD/B-EZ25-200KK	90B	200	181	44	53	-	25	48	59	M16*P1.0	2.90	A	
O		CAT40AD/B-EZ32-100KK	90A	100	61	44	53	-	32	52	63	M16*P1.0	1.90	A	
O		CAT40AD/B-EZ32-120KK	90B	120	101	44	53	-	32	52	63	M16*P1.0	2.10	A	
O		CAT40AD/B-EZ32-160KK	90B	160	141	44	53	-	32	52	63	M16*P1.0	2.50	A	
O		CAT40AD/B-EZ32-200KK	90B	200	181	44	53	-	32	52	63	M16*P1.0	2.90	A	

產品FIG.90A, 90B & 90C出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.90A, 90B & 90C EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.90A, 90B & 90C出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.90A, 90B & 90C EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		CAT50AD/B-EZX06-120KK	90D	120	80	21	27	-	6	23	37	M5*P0.8	3.00	C	
O		CAT50AD/B-EZX06-160KK	90E	160	80	21	27	34	6	23	37	M5*P0.8	3.40	C	
O		CAT50AD/B-EZX06-200KK	90E	200	120	21	27	34	6	23	37	M5*P0.8	3.80	C	
O		CAT50AD/B-EZX08-120KK	90D	120	80	21	27	-	8	27	37	M6*P1.0	3.00	C	
O		CAT50AD/B-EZX08-160KK	90E	160	80	21	27	34	8	27	37	M6*P1.0	3.40	C	
O		CAT50AD/B-EZX08-200KK	90E	200	120	21	27	34	8	27	37	M6*P1.0	3.80	C	
O		CAT50AD/B-EZX10-120KK	90D	120	80	24	32	-	10	32	42	M8*P1.0	3.10	C	
O		CAT50AD/B-EZX10-160KK	90E	160	80	24	32	38	10	32	42	M8*P1.0	3.50	C	
O		CAT50AD/B-EZX10-200KK	90E	200	120	24	32	38	10	32	42	M8*P1.0	3.90	C	
O		CAT50AD/B-EZX12-120KK	90D	120	80	24	32	-	12	37	48	M10*P1.0	3.10	C	
O		CAT50AD/B-EZX12-160KK	90E	160	80	24	32	38	12	37	48	M10*P1.0	3.50	C	
O		CAT50AD/B-EZX12-200KK	90E	200	120	24	32	38	12	37	48	M10*P1.0	3.90	C	
O		CAT50AD/B-EZX14-120KK	90D	120	80	27	34	-	14	37	48	M10*P1.0	3.20	C	
O		CAT50AD/B-EZX14-160KK	90E	160	80	27	34	40	14	37	48	M10*P1.0	3.60	C	
O		CAT50AD/B-EZX14-200KK	90E	200	120	27	34	40	14	37	48	M10*P1.0	4.00	C	
O		CAT50AD/B-EZX16-120KK	90D	120	80	27	34	-	16	40	51	M12*P1.0	3.20	C	
O		CAT50AD/B-EZX16-160KK	90E	160	80	27	34	40	16	40	51	M12*P1.0	3.60	C	
O		CAT50AD/B-EZX16-200KK	90E	200	120	27	34	40	16	40	51	M12*P1.0	4.00	C	
O		CAT50AD/B-EZX18-120KK	90D	120	80	33	41	-	18	40	51	M12*P1.0	3.30	C	
O		CAT50AD/B-EZX18-160KK	90E	160	80	33	41	46	18	40	51	M12*P1.0	3.70	C	
O		CAT50AD/B-EZX18-200KK	90E	200	120	33	41	46	18	40	51	M12*P1.0	4.10	C	
O		CAT50AD/B-EZX20-120KK	90D	120	80	33	41	-	20	42	53	M16*P1.0	3.30	C	
O		CAT50AD/B-EZX20-160KK	90E	160	80	33	41	46	20	42	53	M16*P1.0	3.70	C	
O		CAT50AD/B-EZX20-200KK	90E	200	120	33	41	46	20	42	53	M16*P1.0	4.10	C	
O		CAT50AD/B-EZ25-120KK	90B	120	82	44	53	-	25	48	59	M16*P1.0	3.70	C	
O		CAT50AD/B-EZ25-160KK	90C	160	80	44	53	64	25	48	59	M16*P1.0	4.10	C	
O		CAT50AD/B-EZ25-200KK	90C	200	120	44	53	64	25	48	59	M16*P1.0	4.50	C	
O		CAT50AD/B-EZ32-120KK	90B	120	82	44	53	-	32	52	63	M16*P1.0	3.70	C	
O		CAT50AD/B-EZ32-160KK	90C	160	80	44	53	64	32	52	63	M16*P1.0	4.10	C	
O		CAT50AD/B-EZ32-200KK	90C	200	120	44	53	64	32	52	63	M16*P1.0	4.50	C	

產品FIG.90B, 90C, 90D & 90E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.90B, 90C, 90D & 90E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.90B, 90C, 90D & 90E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.90B, 90C, 90D & 90E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZKK // CAT-EZKK inch

ezShrink+ezKool 鼻端噴水熱膨脹燒結刀柄-英制

ezShrink+ezKool shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		CAT40AD/B-EZ1/4"-3.15"KK	90A	3.15"	2.40"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.00	A	
O		CAT40AD/B-EZ1/4"-4.72"KK	90B	4.72"	3.98"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.40	A	
O		CAT40AD/B-EZ1/4"-6.30"KK	90C	6.30"	3.15"	0.83"	1.06"	1.70"	1/4"	0.91"	1.46"	M5*P0.8	1.80	A	
O		CAT40AD/B-EZ1/4"-7.87"KK	90C	7.87"	4.72"	0.83"	1.06"	1.70"	1/4"	0.91"	1.46"	M5*P0.8	2.20	A	
O		CAT40AD/B-EZ5/16"-3.15"KK	90A	3.15"	2.40"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.00	A	
O		CAT40AD/B-EZ5/16"-4.72"KK	90B	4.72"	3.98"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.40	A	
O		CAT40AD/B-EZ5/16"-6.30"KK	90C	6.30"	3.15"	0.83"	1.06"	1.70"	5/16"	1.06"	1.46"	M6*P1.0	1.80	A	
O		CAT40AD/B-EZ5/16"-7.87"KK	90C	7.87"	4.72"	0.83"	1.06"	1.70"	5/16"	1.06"	1.46"	M6*P1.0	2.20	A	
O		CAT40AD/B-EZ3/8"-3.15"KK	90A	3.15"	2.40"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.10	A	
O		CAT40AD/B-EZ3/8"-4.72"KK	90B	4.72"	3.98"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.50	A	
O		CAT40AD/B-EZ3/8"-6.30"KK	90C	6.30"	3.15"	0.94"	1.26"	1.74"	3/8"	1.26"	1.65"	M8*P1.0	1.90	A	
O		CAT40AD/B-EZ3/8"-7.87"KK	90C	7.87"	4.72"	0.94"	1.26"	1.74"	3/8"	1.26"	1.65"	M8*P1.0	2.30	A	
O		CAT40AD/B-EZ7/16"-3.15"KK	90A	3.15"	2.40"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	1.10	A	
O		CAT40AD/B-EZ7/16"-4.72"KK	90B	4.72"	3.98"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	1.50	A	
O		CAT40AD/B-EZ7/16"-6.30"KK	90C	6.30"	3.15"	0.94"	1.26"	1.74"	7/16"	1.26"	1.65"	M8*P1.0	1.90	A	
O		CAT40AD/B-EZ7/16"-7.87"KK	90C	7.87"	4.72"	0.94"	1.26"	1.74"	7/16"	1.26"	1.65"	M8*P1.0	2.30	A	
O		CAT40AD/B-EZ1/2"-3.15"KK	90A	3.15"	2.40"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.20	A	
O		CAT40AD/B-EZ1/2"-4.72"KK	90B	4.72"	3.98"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.60	A	
O		CAT40AD/B-EZ1/2"-6.30"KK	90C	6.30"	3.15"	0.94"	1.26"	1.74"	1/2"	1.46"	1.89"	M10*P1.0	2.00	A	
O		CAT40AD/B-EZ1/2"-7.87"KK	90C	7.87"	4.72"	0.94"	1.26"	1.74"	1/2"	1.46"	1.89"	M10*P1.0	2.40	A	
O		CAT40AD/B-EZ5/8"-3.15"KK	90A	3.15"	2.40"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.20	A	
O		CAT40AD/B-EZ5/8"-4.72"KK	90B	4.72"	3.98"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.60	A	
O		CAT40AD/B-EZ5/8"-6.30"KK	90C	6.30"	3.15"	1.06"	1.34"	1.74"	5/8"	1.57"	2.01"	M12*P1.0	2.00	A	
O		CAT40AD/B-EZ5/8"-7.87"KK	90C	7.87"	4.72"	1.06"	1.34"	1.74"	5/8"	1.57"	2.01"	M12*P1.0	2.40	A	
O		CAT40AD/B-EZ3/4"-3.15"KK	90A	3.15"	2.40"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.30	A	
O		CAT40AD/B-EZ3/4"-4.72"KK	90B	4.72"	3.98"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	1.70	A	
O		CAT40AD/B-EZ3/4"-6.30"KK	90C	6.30"	3.15"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	2.10	A	
O		CAT40AD/B-EZ3/4"-7.87"KK	90C	7.87"	4.72"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	2.50	A	
O		CAT40AD/B-EZ7/8"-3.15"KK	90A	3.15"	2.40"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.30	A	
O		CAT40AD/B-EZ7/8"-4.72"KK	90B	4.72"	3.98"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.70	A	
O		CAT40AD/B-EZ7/8"-6.30"KK	90C	6.30"	3.15"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	2.10	A	
O		CAT40AD/B-EZ7/8"-7.87"KK	90C	7.87"	4.72"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	2.50	A	
O		CAT40AD/B-EZ1"-3.94"KK	90A	3.94"	2.87"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	1.90	A	
O		CAT40AD/B-EZ1"-4.72"KK	90B	4.72"	3.66"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.10	A	
O		CAT40AD/B-EZ1"-6.30"KK	90B	6.30"	5.23"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.50	A	
O		CAT40AD/B-EZ1"-7.87"KK	90B	7.87"	6.81"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.90	A	
O		CAT40AD/B-EZ1 1/4"-3.94"KK	90A	3.94"	2.87"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	1.90	A	
O		CAT40AD/B-EZ1 1/4"-4.72"KK	90B	4.72"	3.66"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.10	A	
O		CAT40AD/B-EZ1 1/4"-6.30"KK	90B	6.30"	5.23"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.50	A	
O		CAT40AD/B-EZ1 1/4"-7.87"KK	90B	7.87"	6.81"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.90	A	

產品FIG.90A, 90B & 90C出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.90A, 90B & 90C EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.90A, 90B & 90C出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.90A, 90B & 90C EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鈨鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		CAT50AD/B-EZX1/4"-4.72"KK	90D	4.72"	3.15"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	3.00	C	
O		CAT50AD/B-EZX1/4"-6.30"KK	90E	6.30"	3.15"	0.83"	1.06"	1.34"	1/4"	0.91"	1.46"	M5*P0.8	3.40	C	
O		CAT50AD/B-EZX1/4"-7.87"KK	90E	7.87"	4.72"	0.83"	1.06"	1.34"	1/4"	0.91"	1.46"	M5*P0.8	3.80	C	
O		CAT50AD/B-EZX5/16"-4.72"KK	90D	4.72"	3.15"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	3.00	C	
O		CAT50AD/B-EZX5/16"-6.30"KK	90E	6.30"	3.15"	0.83"	1.06"	1.34"	5/16"	1.06"	1.46"	M6*P1.0	3.40	C	
O		CAT50AD/B-EZX5/16"-7.87"KK	90E	7.87"	4.72"	0.83"	1.06"	1.34"	5/16"	1.06"	1.46"	M6*P1.0	3.80	C	
O		CAT50AD/B-EZX3/8"-4.72"KK	90D	4.72"	3.15"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	3.10	C	
O		CAT50AD/B-EZX3/8"-6.30"KK	90E	6.30"	3.15"	0.94"	1.26"	1.50"	3/8"	1.26"	1.65"	M8*P1.0	3.50	C	
O		CAT50AD/B-EZX3/8"-7.87"KK	90E	7.87"	4.72"	0.94"	1.26"	1.50"	3/8"	1.26"	1.65"	M8*P1.0	3.90	C	
O		CAT50AD/B-EZX7/16"-4.72"KK	90D	4.72"	3.15"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M8*P1.0	3.10	C	
O		CAT50AD/B-EZX7/16"-6.30"KK	90E	6.30"	3.15"	0.94"	1.26"	1.50"	7/16"	1.26"	1.65"	M8*P1.0	3.50	C	
O		CAT50AD/B-EZX7/16"-7.87"KK	90E	7.87"	4.72"	0.94"	1.26"	1.50"	7/16"	1.26"	1.65"	M8*P1.0	3.90	C	
O		CAT50AD/B-EZX1/2"-4.72"KK	90D	4.72"	3.15"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	3.20	C	
O		CAT50AD/B-EZX1/2"-6.30"KK	90E	6.30"	3.15"	0.94"	1.34"	1.58"	1/2"	1.46"	1.89"	M10*P1.0	3.60	C	
O		CAT50AD/B-EZX1/2"-7.87"KK	90E	7.87"	4.72"	0.94"	1.34"	1.58"	1/2"	1.46"	1.89"	M10*P1.0	4.00	C	
O		CAT50AD/B-EZX5/8"-4.72"KK	90D	4.72"	3.15"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	3.20	C	
O		CAT50AD/B-EZX5/8"-6.30"KK	90E	6.30"	3.15"	1.06"	1.34"	1.58"	5/8"	1.57"	2.01"	M12*P1.0	3.60	C	
O		CAT50AD/B-EZX5/8"-7.87"KK	90E	7.87"	4.72"	1.06"	1.34"	1.58"	5/8"	1.57"	2.01"	M12*P1.0	4.00	C	
O		CAT50AD/B-EZX3/4"-4.72"KK	90D	4.72"	3.15"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M16*P1.0	3.30	C	
O		CAT50AD/B-EZX3/4"-6.30"KK	90E	6.30"	3.15"	1.30"	1.62"	1.82"	3/4"	1.65"	2.09"	M16*P1.0	3.70	C	
O		CAT50AD/B-EZX3/4"-7.87"KK	90E	7.87"	4.72"	1.30"	1.62"	1.82"	3/4"	1.65"	2.09"	M16*P1.0	4.10	C	
O		CAT50AD/B-EZX7/8"-4.72"KK	90D	4.72"	3.15"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	3.30	C	
O		CAT50AD/B-EZX7/8"-6.30"KK	90E	6.30"	3.15"	1.30"	1.62"	1.82"	7/8"	1.65"	2.09"	M16*P1.0	3.70	C	
O		CAT50AD/B-EZX7/8"-7.87"KK	90E	7.87"	4.72"	1.30"	1.62"	1.82"	7/8"	1.65"	2.09"	M16*P1.0	4.10	C	
O		CAT50AD/B-EZ1"-4.72"KK	90B	4.72"	3.23"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	3.70	C	
O		CAT50AD/B-EZ1"-6.30"KK	90C	6.30"	3.15"	1.73"	2.09"	2.29"	1"	1.89"	2.32"	M16*P1.0	4.10	C	
O		CAT50AD/B-EZ1"-7.87"KK	90C	7.87"	4.72"	1.73"	2.09"	2.29"	1"	1.89"	2.32"	M16*P1.0	4.50	C	
O		CAT50AD/B-EZ1 1/4"-4.72"KK	90B	4.72"	3.23"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	3.70	C	
O		CAT50AD/B-EZ1 1/4"-6.30"KK	90C	6.30"	3.15"	1.73"	2.09"	2.29"	1 1/4"	2.05"	2.48"	M16*P1.0	4.10	C	
O		CAT50AD/B-EZ1 1/4"-7.87"KK	90C	7.87"	4.72"	1.73"	2.09"	2.29"	1 1/4"	2.05"	2.48"	M16*P1.0	4.50	C	

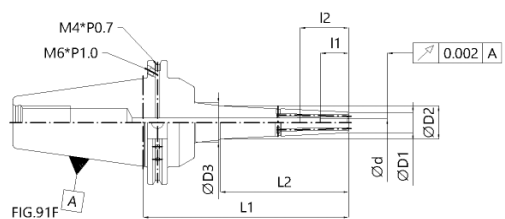
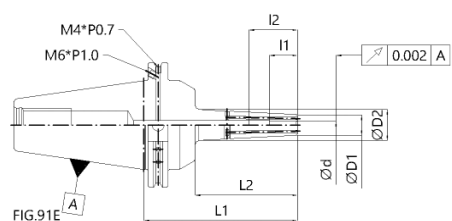
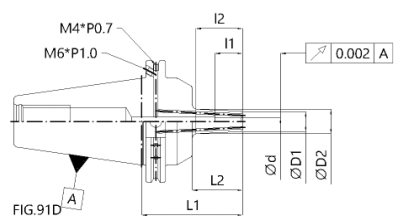
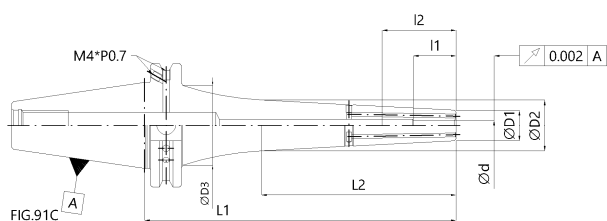
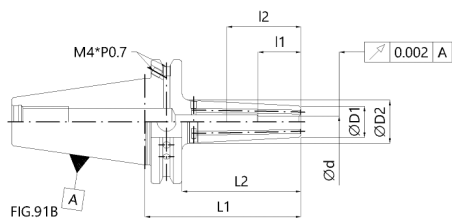
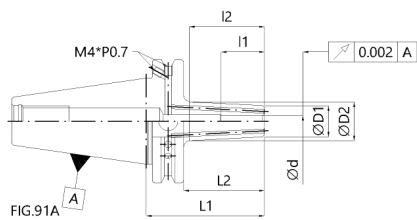
產品FIG.90B, 90C, 90D & 90E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.90B, 90C, 90D & 90E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.90B, 90C, 90D & 90E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.90B, 90C, 90D & 90E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

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HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck



ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT40AD/B-EZ03SR-060KV	91A	60	41	13	17	-	3	11	-	-	0.70	A	
		CAT40AD/B-EZ03SR-080KK	91B	80	61	13	19	-	3	11	-	-	0.90	A	
		CAT40AD/B-EZ03SR-120KK	91B	120	101	13	23	-	3	11	-	-	1.30	A	
		CAT40AD/B-EZ03SR-160KK	91C	160	100	13	24	34	3	11	-	-	1.70	A	
		CAT40AD/B-EZ03SR-200KK	91C	200	100	13	24	40	3	11	-	-	2.10	A	
		CAT40AD/B-EZ04SR-060KV	91A	60	41	14	18	-	4	14	-	-	0.70	A	
		CAT40AD/B-EZ04SR-080KK	91B	80	61	14	20	-	4	14	-	-	0.90	A	
		CAT40AD/B-EZ04SR-120KK	91B	120	101	14	24	-	4	14	-	-	1.30	A	
		CAT40AD/B-EZ04SR-160KK	91C	160	100	14	25	35	4	14	-	-	1.70	A	
		CAT40AD/B-EZ04SR-200KK	91C	200	100	14	25	41	4	14	-	-	2.10	A	
		CAT40AD/B-EZ05SR-060KV	91A	60	41	15	19	-	5	17	-	-	0.70	A	
		CAT40AD/B-EZ05SR-080KK	91B	80	61	15	21	-	5	17	-	-	0.90	A	
		CAT40AD/B-EZ05SR-120KK	91B	120	101	15	25	-	5	17	-	-	1.30	A	
		CAT40AD/B-EZ05SR-160KK	91C	160	100	15	26	36	5	17	-	-	1.70	A	
		CAT40AD/B-EZ05SR-200KK	91C	200	100	15	26	42	5	17	-	-	2.10	A	
		CAT40AD/B-EZ06SR-060KV	91A	60	41	16	20	-	6	23	-	-	0.80	A	
		CAT40AD/B-EZ06SR-080KK	91B	80	61	16	22	-	6	23	-	-	1.00	A	
		CAT40AD/B-EZ06SR-120KK	91B	120	101	16	26	-	6	23	-	-	1.40	A	
		CAT40AD/B-EZ06SR-160KK	91C	160	100	16	27	37	6	23	-	-	1.80	A	
		CAT40AD/B-EZ06SR-200KK	91C	200	100	16	27	43	6	23	-	-	2.20	A	
		CAT40AD/B-EZ08SR-060KV	91A	60	41	18	22	-	8	27	-	-	0.80	A	
		CAT40AD/B-EZ08SR-080KK	91B	80	61	18	24	-	8	27	-	-	1.00	A	
		CAT40AD/B-EZ08SR-120KK	91B	120	101	18	28	-	8	27	-	-	1.40	A	
		CAT40AD/B-EZ08SR-160KK	91C	160	100	18	29	38	8	27	-	-	1.80	A	
		CAT40AD/B-EZ08SR-200KK	91C	200	100	18	29	44	8	27	-	-	2.20	A	
		CAT40AD/B-EZ10SR-060KV	91A	60	41	20	24	-	10	32	-	-	0.90	A	
		CAT40AD/B-EZ10SR-080KK	91B	80	61	20	26	-	10	32	-	-	1.10	A	
		CAT40AD/B-EZ10SR-120KK	91B	120	101	20	30	-	10	32	-	-	1.50	A	
		CAT40AD/B-EZ10SR-160KK	91C	160	100	20	31	40	10	32	-	-	1.90	A	
		CAT40AD/B-EZ10SR-200KK	91C	200	100	20	31	44	10	32	-	-	2.30	A	
		CAT40AD/B-EZ12SR-060KV	91A	60	41	22	26	-	12	37	-	-	0.90	A	
		CAT40AD/B-EZ12SR-080KK	91B	80	61	22	28	-	12	37	-	-	1.10	A	
		CAT40AD/B-EZ12SR-120KK	91B	120	101	22	32	-	12	37	-	-	1.50	A	
		CAT40AD/B-EZ12SR-160KK	91C	160	100	22	33	40	12	37	-	-	1.90	A	
		CAT40AD/B-EZ12SR-200KK	91C	200	100	22	33	44	12	37	-	-	2.30	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // CAT-EZSRKK

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT40AD/B-EZ14SR-060KV	91A	60	41	24	28	-	14	37	60	-	1.00	A	
		CAT40AD/B-EZ14SR-080KK	91B	80	61	24	30	-	14	37	80	-	1.20	A	
		CAT40AD/B-EZ14SR-120KK	91B	120	101	24	34	-	14	37	80	-	1.60	A	
		CAT40AD/B-EZ14SR-160KK	91C	160	100	24	35	41	14	37	80	-	2.00	A	
		CAT40AD/B-EZ14SR-200KK	91C	200	173	24	42	44	14	37	80	-	2.40	A	
		CAT40AD/B-EZ16SR-060KV	91A	60	41	26	30	-	16	40	60	-	1.00	A	
		CAT40AD/B-EZ16SR-080KK	91B	80	61	26	32	-	16	40	80	-	1.20	A	
		CAT40AD/B-EZ16SR-120KK	91B	120	101	26	36	-	16	40	80	-	1.60	A	
		CAT40AD/B-EZ16SR-160KK	91C	160	100	26	37	42	16	40	80	-	2.00	A	
		CAT40AD/B-EZ16SR-200KK	91C	200	173	26	44	44	16	40	80	-	2.40	A	
		CAT40AD/B-EZ18SR-060KV	91A	60	41	28	32	-	18	40	60	-	1.10	A	
		CAT40AD/B-EZ18SR-080KK	91B	80	61	28	34	-	18	40	80	-	1.30	A	
		CAT40AD/B-EZ18SR-120KK	91B	120	101	28	38	-	18	40	80	-	1.70	A	
		CAT40AD/B-EZ18SR-160KK	91B	160	141	28	42	-	18	40	80	-	2.10	A	
		CAT40AD/B-EZ18SR-200KK	91B	200	181	28	44	-	18	40	80	-	2.50	A	
		CAT40AD/B-EZ20SR-060KV	91A	60	41	30	34	-	20	40	60	-	1.10	A	
		CAT40AD/B-EZ20SR-080KK	91B	80	61	30	36	-	20	42	80	-	1.30	A	
		CAT40AD/B-EZ20SR-120KK	91B	120	101	30	40	-	20	42	80	-	1.70	A	
		CAT40AD/B-EZ20SR-160KK	91B	160	141	30	44	-	20	42	80	-	2.10	A	
		CAT40AD/B-EZ20SR-200KK	91B	200	181	30	44	-	20	42	80	-	2.50	A	
		CAT40AD/B-EZ25SR-060KV	91A	60	41	35	39	-	25	40	60	-	1.50	A	
		CAT40AD/B-EZ25SR-080KK	91B	80	61	35	41	-	25	48	80	-	1.70	A	
		CAT40AD/B-EZ25SR-120KK	91B	120	101	35	44	-	25	48	100	-	2.10	A	
		CAT40AD/B-EZ25SR-160KK	91B	160	141	35	47	-	25	48	100	-	2.50	A	
		CAT40AD/B-EZ25SR-200KK	91B	200	181	35	51	-	25	48	100	-	2.90	A	
		CAT40AD/B-EZ32SR-060KZ	91A	60	41	42	44	-	32	40	60	-	1.50	A	
		CAT40AD/B-EZ32SR-080KZ	91A	80	61	42	44	-	32	52	80	-	1.70	A	
		CAT40AD/B-EZ32SR-120KK	91B	120	101	42	50	-	32	52	100	-	2.10	A	
		CAT40AD/B-EZ32SR-160KK	91B	160	141	42	54	-	32	52	100	-	2.50	A	
		CAT40AD/B-EZ32SR-200KK	91B	200	181	42	58	-	32	52	100	-	2.90	A	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT50AD/B-EZX03SR-080KV	91D	80	40	13	18	-	3	11	-	-	2.50	C	
		CAT50AD/B-EZX03SR-100KV	91D	100	60	13	20	-	3	11	-	-	2.70	C	
		CAT50AD/B-EZX03SR-120KK	91E	120	80	13	22	-	3	11	-	-	2.90	C	
		CAT50AD/B-EZX03SR-160KK	91F	160	100	13	24	28	3	11	-	-	3.30	C	
		CAT50AD/B-EZX03SR-200KK	91F	200	100	13	24	36	3	11	-	-	3.70	C	
		CAT50AD/B-EZX04SR-080KV	91D	80	40	14	19	-	4	14	-	-	2.50	C	
		CAT50AD/B-EZX04SR-100KV	91D	100	60	14	21	-	4	14	-	-	2.70	C	
		CAT50AD/B-EZX04SR-120KK	91E	120	80	14	23	-	4	14	-	-	2.90	C	
		CAT50AD/B-EZX04SR-160KK	91F	160	100	14	25	29	4	14	-	-	3.30	C	
		CAT50AD/B-EZX04SR-200KK	91F	200	100	14	25	37	4	14	-	-	3.70	C	
		CAT50AD/B-EZX05SR-080KV	91D	80	40	15	20	-	5	17	-	-	2.50	C	
		CAT50AD/B-EZX05SR-100KV	91D	100	60	15	22	-	5	17	-	-	2.70	C	
		CAT50AD/B-EZX05SR-120KK	91E	120	80	15	24	-	5	17	-	-	2.90	C	
		CAT50AD/B-EZX05SR-160KK	91F	160	100	15	26	30	5	17	-	-	3.30	C	
		CAT50AD/B-EZX05SR-200KK	91F	200	100	15	26	38	5	17	-	-	3.70	C	
		CAT50AD/B-EZX06SR-080KV	91D	80	40	16	21	-	6	23	-	-	2.60	C	
		CAT50AD/B-EZX06SR-100KV	91D	100	60	16	23	-	6	23	-	-	2.80	C	
		CAT50AD/B-EZX06SR-120KK	91E	120	80	16	25	-	6	23	-	-	3.00	C	
		CAT50AD/B-EZX06SR-160KK	91F	160	100	16	27	31	6	23	-	-	3.40	C	
		CAT50AD/B-EZX06SR-200KK	91F	200	100	16	27	39	6	23	-	-	3.80	C	
		CAT50AD/B-EZX08SR-080KV	91D	80	40	18	23	-	8	27	-	-	2.60	C	
		CAT50AD/B-EZX08SR-100KV	91D	100	60	18	25	-	8	27	-	-	2.80	C	
		CAT50AD/B-EZX08SR-120KK	91E	120	80	18	27	-	8	27	-	-	3.00	C	
		CAT50AD/B-EZX08SR-160KK	91F	160	100	18	29	33	8	27	-	-	3.40	C	
		CAT50AD/B-EZX08SR-200KK	91F	200	100	18	29	40	8	27	-	-	3.80	C	
		CAT50AD/B-EZX10SR-080KV	91D	80	40	20	25	-	10	32	-	-	2.70	C	
		CAT50AD/B-EZX10SR-100KV	91D	100	60	20	27	-	10	32	-	-	2.90	C	
		CAT50AD/B-EZX10SR-120KK	91E	120	80	20	29	-	10	32	-	-	3.10	C	
		CAT50AD/B-EZX10SR-160KK	91F	160	100	20	31	35	10	32	-	-	3.50	C	
		CAT50AD/B-EZX10SR-200KK	91F	200	100	20	31	41	10	32	-	-	3.90	C	
		CAT50AD/B-EZX12SR-080KV	91D	80	40	22	27	-	12	37	-	-	2.70	C	
		CAT50AD/B-EZX12SR-100KV	91D	100	60	22	29	-	12	37	-	-	2.90	C	
		CAT50AD/B-EZX12SR-120KK	91E	120	80	22	31	-	12	37	-	-	3.10	C	
		CAT50AD/B-EZX12SR-160KK	91F	160	100	22	33	36	12	37	-	-	3.50	C	
		CAT50AD/B-EZX12SR-200KK	91F	200	100	22	33	42	12	37	-	-	3.90	C	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // CAT-EZSRKK

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		CAT50AD/B-EZX14SR-080KV	91D	80	40	24	29	-	14	37	-	-	2.80	C	
		CAT50AD/B-EZX14SR-100KV	91D	100	60	24	31	-	14	37	-	-	3.00	C	
		CAT50AD/B-EZX14SR-120KK	91E	120	80	24	36	-	14	37	-	-	3.20	C	
		CAT50AD/B-EZX14SR-160KK	91F	160	120	24	35	38	14	37	-	-	3.60	C	
		CAT50AD/B-EZX14SR-200KK	91E	200	160	24	41	-	14	37	-	-	4.00	C	
		CAT50AD/B-EZX16SR-080KV	91D	80	40	26	31	-	16	39	-	-	2.80	C	
		CAT50AD/B-EZX16SR-100KV	91D	100	60	26	33	-	16	40	-	-	3.00	C	
		CAT50AD/B-EZX16SR-120KK	91E	120	80	26	35	-	16	40	-	-	3.20	C	
		CAT50AD/B-EZX16SR-160KK	91F	160	120	26	37	40	16	40	-	-	3.60	C	
		CAT50AD/B-EZX16SR-200KK	91E	200	160	26	43	-	16	40	-	-	4.00	C	
		CAT50AD/B-EZX18SR-080KV	91D	80	40	28	33	-	18	39	-	-	2.90	C	
		CAT50AD/B-EZX18SR-100KV	91D	100	60	28	35	-	18	40	-	-	3.10	C	
		CAT50AD/B-EZX18SR-120KK	91E	120	80	28	37	-	18	40	-	-	3.30	C	
		CAT50AD/B-EZX18SR-160KK	91E	160	120	28	41	-	18	40	-	-	3.70	C	
		CAT50AD/B-EZX18SR-200KK	91E	200	160	28	45	-	18	40	-	-	4.10	C	
		CAT50AD/B-EZX20SR-080KV	91D	80	40	30	35	-	20	39	-	-	2.90	C	
		CAT50AD/B-EZX20SR-100KV	91D	100	60	30	37	-	20	42	-	-	3.10	C	
		CAT50AD/B-EZX20SR-120KK	91E	120	80	30	39	-	20	42	-	-	3.30	C	
		CAT50AD/B-EZX20SR-160KK	91E	160	120	30	43	-	20	42	-	-	3.70	C	
		CAT50AD/B-EZX20SR-200KK	91E	200	160	30	47	-	20	42	-	-	4.10	C	
		CAT50AD/B-EZ25SR-080KK	91B	80	61	35	42	-	25	48	80	-	3.30	C	
		CAT50AD/B-EZ25SR-100KK	91B	100	81	35	44	-	25	48	100	-	3.50	C	
		CAT50AD/B-EZ25SR-120KK	91B	120	101	35	46	-	25	48	100	-	3.70	C	
		CAT50AD/B-EZ25SR-160KK	91B	160	141	35	50	-	25	48	100	-	4.10	C	
		CAT50AD/B-EZ25SR-200KK	91B	200	181	35	54	-	25	48	100	-	4.50	C	
		CAT50AD/B-EZ32SR-080KK	91B	80	61	42	49	-	32	52	80	-	3.30	C	
		CAT50AD/B-EZ32SR-100KK	91B	100	81	42	51	-	32	52	100	-	3.50	C	
		CAT50AD/B-EZ32SR-120KK	91B	120	101	42	53	-	32	52	100	-	3.70	C	
		CAT50AD/B-EZ32SR-160KK	91B	160	141	42	57	-	32	52	100	-	4.10	C	
		CAT50AD/B-EZ32SR-200KK	91B	200	181	42	61	-	32	52	100	-	4.50	C	

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ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT40AD/B-EZ1/8"SR-2.36"KV	91A	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.70	A	
		CAT40AD/B-EZ1/8"SR-3.15"KK	91B	3.15"	2.40"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.90	A	
		CAT40AD/B-EZ1/8"SR-4.72"KK	91B	4.72"	3.98"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.30	A	
		CAT40AD/B-EZ1/8"SR-6.30"KK	91C	6.30"	3.94"	0.52"	0.96"	1.36"	1/8"	0.43"	-	-	1.70	A	
		CAT40AD/B-EZ1/8"SR-7.87"KK	91C	7.87"	3.94"	0.52"	0.96"	1.60"	1/8"	0.43"	-	-	2.10	A	
		CAT40AD/B-EZ3/16"SR-2.36"KV	91A	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	-	-	0.70	A	
		CAT40AD/B-EZ3/16"SR-3.15"KK	91B	3.15"	2.40"	0.59"	0.83"	-	3/16"	0.55"	-	-	0.90	A	
		CAT40AD/B-EZ3/16"SR-4.72"KK	91B	4.72"	3.98"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.30	A	
		CAT40AD/B-EZ3/16"SR-6.30"KK	91C	6.30"	3.94"	0.59"	1.03"	1.43"	3/16"	0.55"	-	-	1.70	A	
		CAT40AD/B-EZ3/16"SR-7.87"KK	91C	7.87"	3.94"	0.59"	1.03"	1.67"	3/16"	0.55"	-	-	2.10	A	
		CAT40AD/B-EZ1/4"SR-2.36"KV	91A	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	-	-	0.80	A	
		CAT40AD/B-EZ1/4"SR-3.15"KK	91B	3.15"	2.40"	0.65"	0.89"	-	1/4"	0.91"	-	-	1.00	A	
		CAT40AD/B-EZ1/4"SR-4.72"KK	91B	4.72"	3.98"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.40	A	
		CAT40AD/B-EZ1/4"SR-6.30"KK	91C	6.30"	3.94"	0.65"	1.09"	1.49"	1/4"	0.91"	-	-	1.80	A	
		CAT40AD/B-EZ1/4"SR-7.87"KK	91C	7.87"	3.94"	0.65"	1.09"	1.73"	1/4"	0.91"	-	-	2.20	A	
		CAT40AD/B-EZ5/16"SR-2.36"KV	91A	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	-	-	0.80	A	
		CAT40AD/B-EZ5/16"SR-3.15"KK	91B	3.15"	2.40"	0.71"	0.95"	-	5/16"	1.06"	-	-	1.00	A	
		CAT40AD/B-EZ5/16"SR-4.72"KK	91B	4.72"	3.98"	0.71"	1.11"	-	5/16"	1.06"	-	-	1.40	A	
		CAT40AD/B-EZ5/16"SR-6.30"KK	91C	6.30"	3.94"	0.71"	1.15"	1.51"	5/16"	1.06"	-	-	1.80	A	
		CAT40AD/B-EZ5/16"SR-7.87"KK	91C	7.87"	3.94"	0.71"	1.15"	1.75"	5/16"	1.06"	-	-	2.20	A	
		CAT40AD/B-EZ3/8"SR-2.36"KV	91A	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.26"	-	-	0.90	A	
		CAT40AD/B-EZ3/8"SR-3.15"KK	91B	3.15"	2.40"	0.77"	1.01"	-	3/8"	1.26"	-	-	1.10	A	
		CAT40AD/B-EZ3/8"SR-4.72"KK	91B	4.72"	3.98"	0.77"	1.17"	-	3/8"	1.26"	-	-	1.50	A	
		CAT40AD/B-EZ3/8"SR-6.30"KK	91C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	-	-	1.90	A	
		CAT40AD/B-EZ3/8"SR-7.87"KK	91C	7.87"	3.94"	0.77"	1.21"	1.73"	3/8"	1.26"	-	-	2.30	A	
		CAT40AD/B-EZ7/16"SR-2.36"KV	91A	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.26"	-	-	0.90	A	
		CAT40AD/B-EZ7/16"SR-3.15"KK	91B	3.15"	2.40"	0.84"	1.08"	-	7/16"	1.26"	-	-	1.10	A	
		CAT40AD/B-EZ7/16"SR-4.72"KK	91B	4.72"	3.98"	0.84"	1.24"	-	7/16"	1.26"	-	-	1.50	A	
		CAT40AD/B-EZ7/16"SR-6.30"KK	91C	6.30"	3.94"	0.84"	1.28"	1.56"	7/16"	1.26"	-	-	1.90	A	
		CAT40AD/B-EZ7/16"SR-7.87"KK	91C	7.87"	3.94"	0.84"	1.28"	1.72"	7/16"	1.26"	-	-	2.30	A	

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ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose-inch

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT40AD/B-EZ1/2"SR-2.36"KV	91A	2.36"	1.57"	0.90"	1.06"	-	1/2"	1.46"	-	-	1.00	A	
		CAT40AD/B-EZ1/2"SR-3.15"KK	91B	3.15"	2.40"	0.90"	1.14"	-	1/2"	1.46"	-	-	1.20	A	
		CAT40AD/B-EZ1/2"SR-4.72"KK	91B	4.72"	3.66"	0.90"	1.30"	-	1/2"	1.46"	-	-	1.60	A	
		CAT40AD/B-EZ1/2"SR-6.30"KK	91C	6.30"	3.94"	0.90"	1.34"	1.58"	1/2"	1.46"	-	-	2.00	A	
		CAT40AD/B-EZ1/2"SR-7.87"KK	91C	7.87"	6.81"	0.90"	1.62"	1.70"	1/2"	1.46"	-	-	2.40	A	
		CAT40AD/B-EZ5/8"SR-2.36"KV	91A	2.36"	1.57"	1.02"	1.18"	-	5/8"	1.54"	2.36"	-	1.00	A	
		CAT40AD/B-EZ5/8"SR-3.15"KK	91B	3.15"	2.40"	1.02"	1.26"	-	5/8"	1.57"	3.15"	-	1.20	A	
		CAT40AD/B-EZ5/8"SR-4.72"KK	91B	4.72"	3.66"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.60	A	
		CAT40AD/B-EZ5/8"SR-6.30"KK	91C	6.30"	3.94"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	2.00	A	
		CAT40AD/B-EZ5/8"SR-7.87"KK	91C	7.87"	6.81"	1.02"	1.74"	1.74"	5/8"	1.57"	3.15"	-	2.40	A	
		CAT40AD/B-EZ3/4"SR-2.36"KV	91A	2.36"	1.57"	1.15"	1.31"	-	3/4"	1.54"	2.36"	-	1.10	A	
		CAT40AD/B-EZ3/4"SR-3.15"KK	91B	3.15"	2.40"	1.15"	1.39"	-	3/4"	1.65"	3.15"	-	1.30	A	
		CAT40AD/B-EZ3/4"SR-4.72"KK	91B	4.72"	3.66"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.70	A	
		CAT40AD/B-EZ3/4"SR-6.30"KK	91B	6.30"	5.24"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	2.10	A	
		CAT40AD/B-EZ3/4"SR-7.87"KK	91B	7.87"	7.13"	1.15"	1.75"	-	3/4"	1.65"	3.15"	-	2.50	A	
		CAT40AD/B-EZ7/8"SR-2.36"KV	91A	2.36"	1.57"	1.27"	1.43"	-	7/8"	1.54"	2.36"	-	1.10	A	
		CAT40AD/B-EZ7/8"SR-3.15"KK	91B	3.15"	2.40"	1.27"	1.51"	-	7/8"	1.65"	3.15"	-	1.30	A	
		CAT40AD/B-EZ7/8"SR-4.72"KK	91B	4.72"	3.66"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	1.70	A	
		CAT40AD/B-EZ7/8"SR-6.30"KK	91B	6.30"	5.24"	1.27"	1.75"	-	7/8"	1.65"	3.15"	-	2.10	A	
		CAT40AD/B-EZ7/8"SR-7.87"KK	91B	7.87"	7.13"	1.27"	1.75"	-	7/8"	1.65"	3.15"	-	2.50	A	
		CAT40AD/B-EZ1"SR-2.36"KV	91A	2.36"	1.57"	1.40"	1.56"	-	1"	1.54"	2.36"	-	1.50	A	
		CAT40AD/B-EZ1"SR-3.15"KK	91B	3.15"	2.40"	1.40"	1.64"	-	1"	1.89"	3.15"	-	1.70	A	
		CAT40AD/B-EZ1"SR-4.72"KK	91B	4.72"	3.66"	1.40"	1.75"	-	1"	1.89"	3.94"	-	2.10	A	
		CAT40AD/B-EZ1"SR-6.30"KK	91B	6.30"	5.24"	1.40"	1.90"	-	1"	1.89"	3.94"	-	2.50	A	
		CAT40AD/B-EZ1"SR-7.87"KK	91B	7.87"	7.13"	1.40"	2.05"	-	1"	1.89"	3.94"	-	2.90	A	
		CAT40AD/B-EZ1 1/4"SR-2.36"KZ	91A	2.36"	1.57"	1.65"	1.75"	-	1 1/4"	1.54"	2.36"	-	1.50	A	
		CAT40AD/B-EZ1 1/4"SR-3.15"KZ	91A	3.15"	2.40"	1.65"	1.75"	-	1 1/4"	2.05"	3.15"	-	1.70	A	
		CAT40AD/B-EZ1 1/4"SR-4.72"KK	91B	4.72"	3.66"	1.65"	1.99"	-	1 1/4"	2.05"	3.94"	-	2.10	A	
		CAT40AD/B-EZ1 1/4"SR-6.30"KK	91B	6.30"	5.24"	1.65"	2.15"	-	1 1/4"	2.05"	3.94"	-	2.50	A	
		CAT40AD/B-EZ1 1/4"SR-7.87"KK	91B	7.87"	7.13"	1.65"	2.30"	-	1 1/4"	2.05"	3.94"	-	2.90	A	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT50AD/B-EZX1/8"SR-3.15"KV	91D	3.15"	1.57"	0.52"	0.72"	-	1/8"	0.43"	-	-	2.50	C	
		CAT50AD/B-EZX1/8"SR-3.94"KV	91D	3.94"	2.36"	0.52"	0.80"	-	1/8"	0.43"	-	-	2.70	C	
		CAT50AD/B-EZX1/8"SR-4.72"KK	91E	4.72"	3.15"	0.52"	0.88"	-	1/8"	0.43"	-	-	2.90	C	
		CAT50AD/B-EZX1/8"SR-6.30"KK	91F	6.30"	3.94"	0.52"	0.96"	1.12"	1/8"	0.43"	-	-	3.30	C	
		CAT50AD/B-EZX1/8"SR-7.87"KK	91F	7.87"	3.94"	0.52"	0.96"	1.44"	1/8"	0.43"	-	-	3.70	C	
		CAT50AD/B-EZX3/16"SR-3.15"KV	91D	3.15"	1.57"	0.59"	0.79"	-	3/16"	0.55"	-	-	2.50	C	
		CAT50AD/B-EZX3/16"SR-3.94"KV	91D	3.94"	2.36"	0.59"	0.87"	-	3/16"	0.55"	-	-	2.70	C	
		CAT50AD/B-EZX3/16"SR-4.72"KK	91E	4.72"	3.15"	0.59"	0.95"	-	3/16"	0.55"	-	-	2.90	C	
		CAT50AD/B-EZX3/16"SR-6.30"KK	91F	6.30"	3.94"	0.59"	1.03"	1.17"	3/16"	0.55"	-	-	3.30	C	
		CAT50AD/B-EZX3/16"SR-7.87"KK	91F	7.87"	3.94"	0.59"	1.03"	1.51"	3/16"	0.55"	-	-	3.70	C	
		CAT50AD/B-EZX1/4"SR-3.15"KV	91D	3.15"	1.57"	0.65"	0.85"	-	1/4"	0.91"	-	-	2.60	C	
		CAT50AD/B-EZX1/4"SR-3.94"KV	91D	3.94"	2.36"	0.65"	0.93"	-	1/4"	0.91"	-	-	2.80	C	
		CAT50AD/B-EZX1/4"SR-4.72"KK	91E	4.72"	3.15"	0.65"	1.01"	-	1/4"	0.91"	-	-	3.00	C	
		CAT50AD/B-EZX1/4"SR-6.30"KK	91F	6.30"	3.94"	0.65"	1.09"	1.25"	1/4"	0.91"	-	-	3.40	C	
		CAT50AD/B-EZX1/4"SR-7.87"KK	91F	7.87"	3.94"	0.65"	1.09"	1.57"	1/4"	0.91"	-	-	3.80	C	
		CAT50AD/B-EZX5/16"SR-3.15"KV	91D	3.15"	1.57"	0.71"	0.91"	-	5/16"	1.06"	-	-	2.60	C	
		CAT50AD/B-EZX5/16"SR-3.94"KV	91D	3.94"	2.36"	0.71"	0.99"	-	5/16"	1.06"	-	-	2.80	C	
		CAT50AD/B-EZX5/16"SR-4.72"KK	91E	4.72"	3.15"	0.71"	1.07"	-	5/16"	1.06"	-	-	3.00	C	
		CAT50AD/B-EZX5/16"SR-6.30"KK	91F	6.30"	3.94"	0.71"	1.15"	1.31"	5/16"	1.06"	-	-	3.40	C	
		CAT50AD/B-EZX5/16"SR-7.87"KK	91F	7.87"	3.94"	0.71"	1.15"	1.59"	5/16"	1.06"	-	-	3.80	C	
		CAT50AD/B-EZX3/8"SR-3.15"KV	91D	3.15"	1.57"	0.77"	0.97"	-	3/8"	1.26"	-	-	2.70	C	
		CAT50AD/B-EZX3/8"SR-3.94"KV	91D	3.94"	2.36"	0.77"	1.05"	-	3/8"	1.26"	-	-	2.90	C	
		CAT50AD/B-EZX3/8"SR-4.72"KK	91E	4.72"	3.15"	0.77"	1.13"	-	3/8"	1.26"	-	-	3.10	C	
		CAT50AD/B-EZX3/8"SR-6.30"KK	91F	6.30"	3.94"	0.77"	1.21"	1.37"	3/8"	1.26"	-	-	3.50	C	
		CAT50AD/B-EZX3/8"SR-7.87"KK	91F	7.87"	3.94"	0.77"	1.21"	1.61"	3/8"	1.26"	-	-	3.90	C	
		CAT50AD/B-EZX7/16"SR-3.15"KV	91D	3.15"	1.57"	0.84"	1.04"	-	7/16"	1.26"	-	-	2.80	C	
		CAT50AD/B-EZX7/16"SR-3.94"KV	91D	3.94"	2.36"	0.84"	1.12"	-	7/16"	1.26"	-	-	2.70	C	
		CAT50AD/B-EZX7/16"SR-4.72"KK	91E	4.72"	3.15"	0.84"	1.20"	-	7/16"	1.26"	-	-	3.10	C	
		CAT50AD/B-EZX7/16"SR-6.30"KK	91F	6.30"	3.94"	0.84"	1.28"	1.40"	7/16"	1.26"	-	-	3.50	C	
		CAT50AD/B-EZX7/16"SR-7.87"KK	91F	7.87"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	-	-	3.90	C	

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSRKK // CAT-EZSRKK inch

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT50AD/B-EZX1/2"SR-3.15"KV	91D	3.15"	1.57"	0.90"	1.10"	-	1/2"	1.46"	-	-	2.80	C	
		CAT50AD/B-EZX1/2"SR-3.94"KV	91D	3.94"	2.36"	0.90"	1.18"	-	1/2"	1.46"	-	-	3.00	C	
		CAT50AD/B-EZX1/2"SR-4.72"KK	91E	4.72"	3.15"	0.90"	1.26"	-	1/2"	1.46"	-	-	3.20	C	
		CAT50AD/B-EZX1/2"SR-6.30"KK	91F	6.30"	3.94"	0.90"	1.34"	1.46"	1/2"	1.46"	-	-	3.60	C	
		CAT50AD/B-EZX1/2"SR-7.87"KK	91E	7.87"	6.30"	0.90"	1.58"	-	1/2"	1.46"	-	-	4.00	C	
		CAT50AD/B-EZX5/8"SR-3.15"KV	91D	3.15"	1.57"	1.02"	1.22"	-	5/8"	1.54"	-	-	2.80	C	
		CAT50AD/B-EZX5/8"SR-3.94"KV	91D	3.94"	2.36"	1.02"	1.30"	-	5/8"	1.57"	-	-	3.00	C	
		CAT50AD/B-EZX5/8"SR-4.72"KK	91E	4.72"	3.15"	1.02"	1.38"	-	5/8"	1.57"	-	-	3.20	C	
		CAT50AD/B-EZX5/8"SR-6.30"KK	91F	6.30"	3.94"	1.02"	1.46"	1.58"	5/8"	1.57"	-	-	3.60	C	
		CAT50AD/B-EZX5/8"SR-7.87"KK	91E	7.87"	6.30"	1.02"	1.70"	-	5/8"	1.57"	-	-	4.00	C	
		CAT50AD/B-EZX3/4"SR-3.15"KV	91D	3.15"	1.57"	1.15"	1.35"	-	3/4"	1.54"	-	-	2.90	C	
		CAT50AD/B-EZX3/4"SR-3.94"KV	91D	3.94"	2.36"	1.15"	1.43"	-	3/4"	1.65"	-	-	3.10	C	
		CAT50AD/B-EZX3/4"SR-4.72"KK	91E	4.72"	3.15"	1.15"	1.51"	-	3/4"	1.65"	-	-	3.30	C	
		CAT50AD/B-EZX3/4"SR-6.30"KK	91E	6.30"	4.72"	1.15"	1.67"	-	3/4"	1.65"	-	-	3.70	C	
		CAT50AD/B-EZX3/4"SR-7.87"KK	91E	7.87"	6.30"	1.15"	1.83"	-	3/4"	1.65"	-	-	4.10	C	
		CAT50AD/B-EZX7/8"SR-3.15"KV	91D	3.15"	1.57"	1.27"	1.47"	-	7/8"	1.54"	3.15"	-	2.90	C	
		CAT50AD/B-EZX7/8"SR-3.94"KV	91D	3.94"	2.36"	1.27"	1.55"	-	7/8"	1.65"	3.15"	-	3.10	C	
		CAT50AD/B-EZX7/8"SR-4.72"KK	91E	4.72"	3.15"	1.27"	1.63"	-	7/8"	1.65"	3.15"	-	3.30	C	
		CAT50AD/B-EZX7/8"SR-6.30"KK	91E	6.30"	4.72"	1.27"	1.79"	-	7/8"	1.65"	3.15"	-	3.70	C	
		CAT50AD/B-EZX7/8"SR-7.87"KK	91E	7.87"	6.30"	1.27"	1.95"	-	7/8"	1.65"	3.15"	-	4.10	C	
		CAT50AD/B-EZ1"SR-3.15"KK	91B	3.15"	2.40"	1.40"	1.64"	-	1"	1.89"	3.15"	-	3.30	C	
		CAT50AD/B-EZ1"SR-3.94"KK	91B	3.94"	3.19"	1.40"	1.72"	-	1"	1.89"	3.94"	-	3.50	C	
		CAT50AD/B-EZ1"SR-4.72"KK	91B	4.72"	3.98"	1.40"	1.80"	-	1"	1.89"	3.94"	-	3.70	C	
		CAT50AD/B-EZ1"SR-6.30"KK	91B	6.30"	5.55"	1.40"	1.96"	-	1"	1.89"	3.94"	-	4.10	C	
		CAT50AD/B-EZ1"SR-7.87"KK	91B	7.87"	7.13"	1.40"	2.12"	-	1"	1.89"	3.94"	-	4.50	C	
		CAT50AD/B-EZ1 1/4"SR-3.15"KK	91B	3.15"	2.40"	1.65"	1.89"	-	1 1/4"	2.05"	3.15"	-	3.30	C	
		CAT50AD/B-EZ1 1/4"SR-3.94"KK	91B	3.94"	3.19"	1.65"	1.97"	-	1 1/4"	2.05"	3.94"	-	3.50	C	
		CAT50AD/B-EZ1 1/4"SR-4.72"KK	91B	4.72"	3.98"	1.65"	2.05"	-	1 1/4"	2.05"	3.94"	-	3.70	C	
		CAT50AD/B-EZ1 1/4"SR-6.30"KK	91B	6.30"	5.55"	1.65"	2.21"	-	1 1/4"	2.05"	3.94"	-	4.10	C	
		CAT50AD/B-EZ1 1/4"SR-7.87"KK	91B	7.87"	7.13"	1.65"	2.37"	-	1 1/4"	2.05"	3.94"	-	4.50	C	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

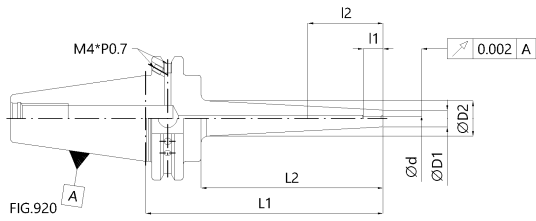


FIG.920

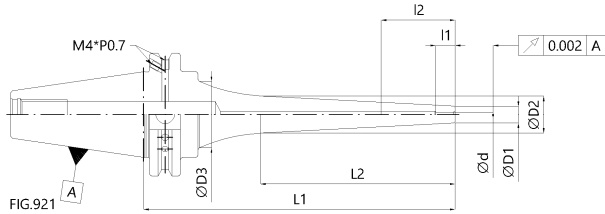


FIG.921

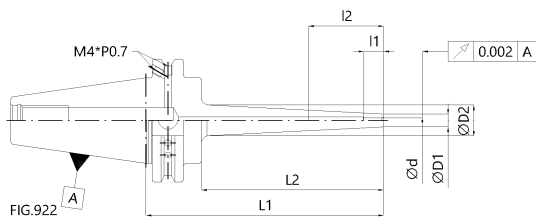


FIG.922

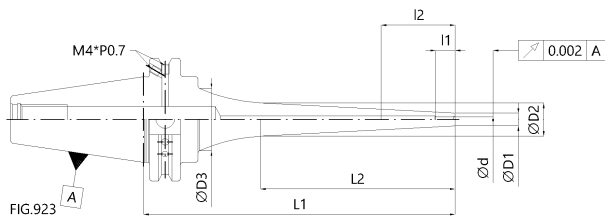


FIG.923



ezShrink EZSS & EZSSU // CAT-EZSS & CAT-EZSSU

ezShrink SlimSuper & SlimSuperUltra 超細型與極細型熱膨脹燒結刀柄
ezShrink SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT40AD/B-EZ03SS-120	920	120	92	9	19	-	3	11	-	-	1.20	A	
		CAT40AD/B-EZ03SS-160	921	160	100	9	20	37	3	11	-	-	1.60	A	
		CAT40AD/B-EZ03SS-200	921	200	100	9	20	39	3	11	-	-	2.00	A	
		CAT40AD/B-EZ04SS-120	920	120	92	10	20	-	4	14	-	-	1.20	A	
		CAT40AD/B-EZ04SS-160	921	160	100	10	21	38	4	14	-	-	1.60	A	
		CAT40AD/B-EZ04SS-200	921	200	100	10	21	40	4	14	-	-	2.00	A	
		CAT40AD/B-EZ05SS-120	920	120	92	11	21	-	5	17	-	-	1.20	A	
		CAT40AD/B-EZ05SS-160	921	160	100	11	22	39	5	17	-	-	1.60	A	
		CAT40AD/B-EZ05SS-200	921	200	100	11	22	41	5	17	-	-	2.00	A	
		CAT40AD/B-EZ06SS-120	920	120	92	12	22	-	6	23	-	-	1.30	A	
		CAT40AD/B-EZ06SS-160	921	160	100	12	23	40	6	23	-	-	1.70	A	
		CAT40AD/B-EZ06SS-200	921	200	100	12	23	42	6	23	-	-	2.10	A	
		CAT40AD/B-EZ08SS-120	920	120	92	14	24	-	8	27	-	-	1.30	A	
		CAT40AD/B-EZ08SS-160	921	160	100	14	25	40	8	27	-	-	1.70	A	
		CAT40AD/B-EZ08SS-200	921	200	100	14	25	42	8	27	-	-	2.10	A	
		CAT40AD/B-EZ10SS-120	920	120	92	16	26	-	10	32	-	-	1.40	A	
		CAT40AD/B-EZ10SS-160	921	160	100	16	27	42	10	32	-	-	1.80	A	
		CAT40AD/B-EZ10SS-200	921	200	100	16	27	44	10	32	-	-	2.20	A	
		CAT40AD/B-EZ12SS-120	920	120	92	18	28	-	12	37	-	-	1.40	A	
		CAT40AD/B-EZ12SS-160	921	160	100	18	29	42	12	37	-	-	1.80	A	
		CAT40AD/B-EZ12SS-200	921	200	100	18	29	44	12	37	-	-	2.20	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT40AD/B-EZ03SSU-120	922	120	92	7	17	-	3	11	-	-	1.20	A	
		CAT40AD/B-EZ03SSU-160	923	160	100	7	18	35	3	11	-	-	1.60	A	
		CAT40AD/B-EZ03SSU-200	923	200	100	7	18	37	3	11	-	-	2.00	A	
		CAT40AD/B-EZ04SSU-120	922	120	92	8	18	-	4	14	-	-	1.20	A	
		CAT40AD/B-EZ04SSU-160	923	160	100	8	19	36	4	14	-	-	1.60	A	
		CAT40AD/B-EZ04SSU-200	923	200	100	8	19	38	4	14	-	-	2.00	A	
		CAT40AD/B-EZ05SSU-120	922	120	92	9	19	-	5	17	-	-	1.20	A	
		CAT40AD/B-EZ05SSU-160	923	160	100	9	20	37	5	17	-	-	1.60	A	
		CAT40AD/B-EZ05SSU-200	923	200	100	9	20	39	5	17	-	-	2.00	A	
		CAT40AD/B-EZ06SSU-120	922	120	92	10	20	-	6	23	-	-	1.30	A	
		CAT40AD/B-EZ06SSU-160	923	160	100	10	21	38	6	23	-	-	1.70	A	
		CAT40AD/B-EZ06SSU-200	923	200	100	10	21	40	6	23	-	-	2.10	A	
		CAT40AD/B-EZ08SSU-120	922	120	92	12	22	-	8	27	-	-	1.30	A	
		CAT40AD/B-EZ08SSU-160	923	160	100	12	23	38	8	27	-	-	1.70	A	
		CAT40AD/B-EZ08SSU-200	923	200	100	12	23	40	8	27	-	-	2.10	A	
		CAT40AD/B-EZ10SSU-120	922	120	92	14	24	-	10	32	-	-	1.40	A	
		CAT40AD/B-EZ10SSU-160	923	160	100	14	25	40	10	32	-	-	1.80	A	
		CAT40AD/B-EZ10SSU-200	923	200	100	14	25	42	10	32	-	-	2.20	A	
		CAT40AD/B-EZ12SSU-120	922	120	92	16	26	-	12	37	-	-	1.40	A	
		CAT40AD/B-EZ12SSU-160	923	160	100	16	27	40	12	37	-	-	1.80	A	
		CAT40AD/B-EZ12SSU-200	923	200	100	16	27	42	12	37	-	-	2.20	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	CAT50AD/B-EZX03SS-120	920	120	80	9	18	-	3	11	-	-	2.90	C	
	CAT50AD/B-EZX03SS-160	921	160	100	9	20	26	3	11	-	-	3.30	C	
	CAT50AD/B-EZX03SS-200	921	200	100	9	20	33	3	11	-	-	3.70	C	
	CAT50AD/B-EZX04SS-120	920	120	80	10	19	-	4	14	-	-	2.90	C	
	CAT50AD/B-EZX04SS-160	921	160	100	10	21	27	4	14	-	-	3.30	C	
	CAT50AD/B-EZX04SS-200	921	200	100	10	21	34	4	14	-	-	3.70	C	
	CAT50AD/B-EZX05SS-120	920	120	80	11	20	-	5	17	-	-	2.90	C	
	CAT50AD/B-EZX05SS-160	921	160	100	11	22	28	5	17	-	-	3.30	C	
	CAT50AD/B-EZX05SS-200	921	200	100	11	22	35	5	17	-	-	3.70	C	
	CAT50AD/B-EZX06SS-120	920	120	80	12	21	-	6	23	-	-	3.00	C	
	CAT50AD/B-EZX06SS-160	921	160	100	12	23	29	6	23	-	-	3.40	C	
	CAT50AD/B-EZX06SS-200	921	200	100	12	23	36	6	23	-	-	3.80	C	
	CAT50AD/B-EZX08SS-120	920	120	80	14	23	-	8	27	-	-	3.00	C	
	CAT50AD/B-EZX08SS-160	921	160	100	14	25	31	8	27	-	-	3.40	C	
	CAT50AD/B-EZX08SS-200	921	200	100	14	25	38	8	27	-	-	3.80	C	
	CAT50AD/B-EZX10SS-120	920	120	80	16	25	-	10	32	-	-	3.10	C	
	CAT50AD/B-EZX10SS-160	921	160	100	16	27	32	10	32	-	-	3.50	C	
	CAT50AD/B-EZX10SS-200	921	200	100	16	27	39	10	32	-	-	3.90	C	
	CAT50AD/B-EZX12SS-120	920	120	80	18	27	-	12	37	-	-	3.10	C	
	CAT50AD/B-EZX12SS-160	921	160	100	18	29	34	12	37	-	-	3.50	C	
	CAT50AD/B-EZX12SS-200	921	200	100	18	29	40	12	37	-	-	3.90	C	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	CAT50AD/B-EZX03SSU-120	922	120	80	7	16	-	3	11	-	-	2.90	C	
	CAT50AD/B-EZX03SSU-160	923	160	100	7	18	24	3	11	-	-	3.30	C	
	CAT50AD/B-EZX03SSU-200	923	200	100	7	18	31	3	11	-	-	3.70	C	
	CAT50AD/B-EZX04SSU-120	922	120	80	8	17	-	4	14	-	-	2.90	C	
	CAT50AD/B-EZX04SSU-160	923	160	100	8	19	25	4	14	-	-	3.30	C	
	CAT50AD/B-EZX04SSU-200	923	200	100	8	19	32	4	14	-	-	3.70	C	
	CAT50AD/B-EZX05SSU-120	922	120	80	9	18	-	5	17	-	-	2.90	C	
	CAT50AD/B-EZX05SSU-160	923	160	100	9	20	26	5	17	-	-	3.30	C	
	CAT50AD/B-EZX05SSU-200	923	200	100	9	20	33	5	17	-	-	3.70	C	
	CAT50AD/B-EZX06SSU-120	922	120	80	10	19	-	6	23	-	-	3.00	C	
	CAT50AD/B-EZX06SSU-160	923	160	100	10	21	27	6	23	-	-	3.40	C	
	CAT50AD/B-EZX06SSU-200	923	200	100	10	21	34	6	23	-	-	3.80	C	
	CAT50AD/B-EZX08SSU-120	922	120	80	12	21	-	8	27	-	-	3.00	C	
	CAT50AD/B-EZX08SSU-160	923	160	100	12	23	29	8	27	-	-	3.40	C	
	CAT50AD/B-EZX08SSU-200	923	200	100	12	23	36	8	27	-	-	3.80	C	
	CAT50AD/B-EZX10SSU-120	922	120	80	14	23	-	10	32	-	-	3.10	C	
	CAT50AD/B-EZX10SSU-160	923	160	100	14	25	30	10	32	-	-	3.50	C	
	CAT50AD/B-EZX10SSU-200	923	200	100	14	25	37	10	32	-	-	3.90	C	
	CAT50AD/B-EZX12SSU-120	922	120	80	16	25	-	12	37	-	-	3.10	C	
	CAT50AD/B-EZX12SSU-160	923	160	100	16	27	32	12	37	-	-	3.50	C	
	CAT50AD/B-EZX12SSU-200	923	200	100	16	27	38	12	37	-	-	3.90	C	

STOCK ◎=標準在庫品 // STOCK ○=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZSS & EZSSU // CAT-EZSS & CAT-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra 超細型與極細型熱膨脹燒結刀柄-英制
ezShrink SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT40AD/B-EZ1/8"SS-4.72"	920	4.72"	3.62"	0.36"	0.76"	-	1/8"	0.43"	-	-	1.20	A	
		CAT40AD/B-EZ1/8"SS-6.30"	921	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.60	A	
		CAT40AD/B-EZ1/8"SS-7.87"	921	7.87"	3.94"	0.36"	0.80"	1.54"	1/8"	0.43"	-	-	2.00	A	
		CAT40AD/B-EZ3/16"SS-4.72"	920	4.72"	3.62"	0.42"	0.82"	-	3/16"	0.55"	-	-	1.20	A	
		CAT40AD/B-EZ3/16"SS-6.30"	921	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.60	A	
		CAT40AD/B-EZ3/16"SS-7.87"	921	7.87"	3.94"	0.42"	0.86"	1.58"	3/16"	0.55"	-	-	2.00	A	
		CAT40AD/B-EZ1/4"SS-4.72"	920	4.72"	3.62"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.30	A	
		CAT40AD/B-EZ1/4"SS-6.30"	921	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.70	A	
		CAT40AD/B-EZ1/4"SS-7.87"	921	7.87"	3.94"	0.49"	0.93"	1.62"	1/4"	0.91"	-	-	2.10	A	
		CAT40AD/B-EZ5/16"SS-4.72"	920	4.72"	3.62"	0.55"	0.95"	-	5/16"	1.06"	-	-	1.30	A	
		CAT40AD/B-EZ5/16"SS-6.30"	921	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	-	-	1.70	A	
		CAT40AD/B-EZ5/16"SS-7.87"	921	7.87"	3.94"	0.55"	0.99"	1.66"	5/16"	1.06"	-	-	2.10	A	
		CAT40AD/B-EZ3/8"SS-4.72"	920	4.72"	3.62"	0.61"	1.01"	-	3/8"	1.26"	-	-	1.40	A	
		CAT40AD/B-EZ3/8"SS-6.30"	921	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	-	-	1.80	A	
		CAT40AD/B-EZ3/8"SS-7.87"	921	7.87"	3.94"	0.61"	1.05"	1.66"	3/8"	1.26"	-	-	2.20	A	
		CAT40AD/B-EZ7/16"SS-4.72"	920	4.72"	3.62"	0.67"	1.07"	-	7/16"	1.26"	-	-	1.40	A	
		CAT40AD/B-EZ7/16"SS-6.30"	921	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	-	-	1.80	A	
		CAT40AD/B-EZ7/16"SS-7.87"	921	7.87"	3.94"	0.67"	1.11"	1.74"	7/16"	1.26"	-	-	2.20	A	
		CAT40AD/B-EZ1/2"SS-4.72"	920	4.72"	3.62"	0.74"	1.14"	-	1/2"	1.46"	-	-	1.50	A	
		CAT40AD/B-EZ1/2"SS-6.30"	921	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	-	-	1.90	A	
		CAT40AD/B-EZ1/2"SS-7.87"	921	7.87"	3.94"	0.74"	1.18"	1.74"	1/2"	1.46"	-	-	2.30	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		CAT40AD/B-EZ1/8"SSU-4.72"	922	4.72"	3.62"	0.28"	0.68"	-	1/8"	0.43"	-	-	1.20	A	
		CAT40AD/B-EZ1/8"SSU-6.30"	923	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.60	A	
		CAT40AD/B-EZ1/8"SSU-7.87"	923	7.87"	3.94"	0.28"	0.72"	1.46"	1/8"	0.43"	-	-	2.00	A	
		CAT40AD/B-EZ3/16"SSU-4.72"	922	4.72"	3.62"	0.34"	0.74"	-	3/16"	0.55"	-	-	1.20	A	
		CAT40AD/B-EZ3/16"SSU-6.30"	923	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.60	A	
		CAT40AD/B-EZ3/16"SSU-7.87"	923	7.87"	3.94"	0.34"	0.78"	1.50"	3/16"	0.55"	-	-	2.00	A	
		CAT40AD/B-EZ1/4"SSU-4.72"	922	4.72"	3.62"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.30	A	
		CAT40AD/B-EZ1/4"SSU-6.30"	923	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.70	A	
		CAT40AD/B-EZ1/4"SSU-7.87"	923	7.87"	3.94"	0.41"	0.85"	1.54"	1/4"	0.91"	-	-	2.10	A	
		CAT40AD/B-EZ5/16"SSU-4.72"	922	4.72"	3.62"	0.47"	0.87"	-	5/16"	1.06"	-	-	1.30	A	
		CAT40AD/B-EZ5/16"SSU-6.30"	923	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	-	-	1.70	A	
		CAT40AD/B-EZ5/16"SSU-7.87"	923	7.87"	3.94"	0.47"	0.91"	1.58"	5/16"	1.06"	-	-	2.10	A	
		CAT40AD/B-EZ3/8"SSU-4.72"	922	4.72"	3.62"	0.53"	0.93"	-	3/8"	1.26"	-	-	1.40	A	
		CAT40AD/B-EZ3/8"SSU-6.30"	923	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	-	-	1.80	A	
		CAT40AD/B-EZ3/8"SSU-7.87"	923	7.87"	3.94"	0.53"	0.97"	1.58"	3/8"	1.26"	-	-	2.20	A	
		CAT40AD/B-EZ7/16"SSU-4.72"	922	4.72"	3.62"	0.59"	0.99"	-	7/16"	1.26"	-	-	1.40	A	
		CAT40AD/B-EZ7/16"SSU-6.30"	923	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	-	-	1.80	A	
		CAT40AD/B-EZ7/16"SSU-7.87"	923	7.87"	3.94"	0.59"	1.03"	1.66"	7/16"	1.26"	-	-	2.20	A	
		CAT40AD/B-EZ1/2"SSU-4.72"	922	4.72"	3.62"	0.66"	1.06"	-	1/2"	1.46"	-	-	1.50	A	
		CAT40AD/B-EZ1/2"SSU-6.30"	923	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	-	-	1.90	A	
		CAT40AD/B-EZ1/2"SSU-7.87"	923	7.87"	3.94"	0.66"	1.10"	1.66"	1/2"	1.46"	-	-	2.30	A	

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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	CAT50AD/B-EZX1/8"SS-4.72"	920	4.72"	3.15"	0.36"	0.72"	-	1/8"	0.43"	-	-	2.90	C	
	CAT50AD/B-EZX1/8"SS-6.30"	921	6.30"	3.94"	0.36"	0.80"	1.04"	1/8"	0.43"	-	-	3.30	C	
	CAT50AD/B-EZX1/8"SS-7.87"	921	7.87"	3.94"	0.36"	0.80"	1.32"	1/8"	0.43"	-	-	3.70	C	
	CAT50AD/B-EZX3/16"SS-4.72"	920	4.72"	3.15"	0.42"	0.78"	-	3/16"	0.55"	-	-	2.90	C	
	CAT50AD/B-EZX3/16"SS-6.30"	921	6.30"	3.94"	0.42"	0.86"	1.10"	3/16"	0.55"	-	-	3.30	C	
	CAT50AD/B-EZX3/16"SS-7.87"	921	7.87"	3.94"	0.42"	0.86"	1.38"	3/16"	0.55"	-	-	3.70	C	
	CAT50AD/B-EZX1/4"SS-4.72"	920	4.72"	3.15"	0.49"	0.85"	-	1/4"	0.91"	-	-	3.00	C	
	CAT50AD/B-EZX1/4"SS-6.30"	921	6.30"	3.94"	0.49"	0.93"	1.17"	1/4"	0.91"	-	-	3.40	C	
	CAT50AD/B-EZX1/4"SS-7.87"	921	7.87"	3.94"	0.49"	0.93"	1.45"	1/4"	0.91"	-	-	3.80	C	
	CAT50AD/B-EZX5/16"SS-4.72"	920	4.72"	3.15"	0.55"	0.91"	-	5/16"	1.06"	-	-	3.00	C	
	CAT50AD/B-EZX5/16"SS-6.30"	921	6.30"	3.94"	0.55"	0.99"	1.23"	5/16"	1.06"	-	-	3.40	C	
	CAT50AD/B-EZX5/16"SS-7.87"	921	7.87"	3.94"	0.55"	0.99"	1.51"	5/16"	1.06"	-	-	3.80	C	
	CAT50AD/B-EZX3/8"SS-4.72"	920	4.72"	3.15"	0.61"	0.97"	-	3/8"	1.26"	-	-	3.10	C	
	CAT50AD/B-EZX3/8"SS-6.30"	921	6.30"	3.94"	0.61"	1.05"	1.25"	3/8"	1.26"	-	-	3.50	C	
	CAT50AD/B-EZX3/8"SS-7.87"	921	7.87"	3.94"	0.61"	1.05"	1.53"	3/8"	1.26"	-	-	3.90	C	
	CAT50AD/B-EZX7/16"SS-4.72"	920	4.72"	3.15"	0.67"	1.03"	-	7/16"	1.26"	-	-	3.10	C	
	CAT50AD/B-EZX7/16"SS-6.30"	921	6.30"	3.94"	0.67"	1.11"	1.31"	7/16"	1.26"	-	-	3.50	C	
	CAT50AD/B-EZX7/16"SS-7.87"	921	7.87"	3.94"	0.67"	1.11"	1.55"	7/16"	1.26"	-	-	3.90	C	
	CAT50AD/B-EZX1/2"SS-4.72"	920	4.72"	3.15"	0.74"	1.10"	-	1/2"	1.46"	-	-	3.20	C	
	CAT50AD/B-EZX1/2"SS-6.30"	921	6.30"	3.94"	0.74"	1.18"	1.38"	1/2"	1.46"	-	-	3.60	C	
	CAT50AD/B-EZX1/2"SS-7.87"	921	7.87"	3.94"	0.74"	1.18"	1.62"	1/2"	1.46"	-	-	4.00	C	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	CAT50AD/B-EZX1/8"SSU-4.72"	922	4.72"	3.15"	0.28"	0.64"	-	1/8"	0.43"	-	-	2.90	C	
	CAT50AD/B-EZX1/8"SSU-6.30"	923	6.30"	3.94"	0.28"	0.72"	0.96"	1/8"	0.43"	-	-	3.30	C	
	CAT50AD/B-EZX1/8"SSU-7.87"	923	7.87"	3.94"	0.28"	0.72"	1.24"	1/8"	0.43"	-	-	3.70	C	
	CAT50AD/B-EZX3/16"SSU-4.72"	922	4.72"	3.15"	0.34"	0.70"	-	3/16"	0.55"	-	-	2.90	C	
	CAT50AD/B-EZX3/16"SSU-6.30"	923	6.30"	3.94"	0.34"	0.78"	1.02"	3/16"	0.55"	-	-	3.30	C	
	CAT50AD/B-EZX3/16"SSU-7.87"	923	7.87"	3.94"	0.34"	0.78"	1.30"	3/16"	0.55"	-	-	3.70	C	
	CAT50AD/B-EZX1/4"SSU-4.72"	922	4.72"	3.15"	0.41"	0.77"	-	1/4"	0.91"	-	-	3.00	C	
	CAT50AD/B-EZX1/4"SSU-6.30"	923	6.30"	3.94"	0.41"	0.85"	1.09"	1/4"	0.91"	-	-	3.40	C	
	CAT50AD/B-EZX1/4"SSU-7.87"	923	7.87"	3.94"	0.41"	0.85"	1.37"	1/4"	0.91"	-	-	3.80	C	
	CAT50AD/B-EZX5/16"SSU-4.72"	922	4.72"	3.15"	0.47"	0.83"	-	5/16"	1.06"	-	-	3.00	C	
	CAT50AD/B-EZX5/16"SSU-6.30"	923	6.30"	3.94"	0.47"	0.91"	1.15"	5/16"	1.06"	-	-	3.40	C	
	CAT50AD/B-EZX5/16"SSU-7.87"	923	7.87"	3.94"	0.47"	0.91"	1.43"	5/16"	1.06"	-	-	3.80	C	
	CAT50AD/B-EZX3/8"SSU-4.72"	922	4.72"	3.15"	0.53"	0.89"	-	3/8"	1.26"	-	-	3.10	C	
	CAT50AD/B-EZX3/8"SSU-6.30"	923	6.30"	3.94"	0.53"	0.97"	1.17"	3/8"	1.26"	-	-	3.50	C	
	CAT50AD/B-EZX3/8"SSU-7.87"	923	7.87"	3.94"	0.53"	0.97"	1.45"	3/8"	1.26"	-	-	3.90	C	
	CAT50AD/B-EZX7/16"SSU-4.72"	922	4.72"	3.15"	0.59"	0.95"	-	7/16"	1.26"	-	-	3.10	C	
	CAT50AD/B-EZX7/16"SSU-6.30"	923	6.30"	3.94"	0.59"	1.03"	1.23"	7/16"	1.26"	-	-	3.50	C	
	CAT50AD/B-EZX7/16"SSU-7.87"	923	7.87"	3.94"	0.59"	1.03"	1.47"	7/16"	1.26"	-	-	3.90	C	
	CAT50AD/B-EZX1/2"SSU-4.72"	922	4.72"	3.15"	0.66"	1.02"	-	1/2"	1.46"	-	-	3.20	C	
	CAT50AD/B-EZX1/2"SSU-6.30"	923	6.30"	3.94"	0.66"	1.10"	1.30"	1/2"	1.46"	-	-	3.60	C	
	CAT50AD/B-EZX1/2"SSU-7.87"	923	7.87"	3.94"	0.66"	1.10"	1.54"	1/2"	1.46"	-	-	4.00	C	

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每支刀柄出貨附1支拉桿螺絲 // Deliver with one retention knob for each chuck

ezShrink EZ // HSK-A

ezShrink EZ // HSK-A

HSK is hollow shank short taper toolholder

It was developed by Aachen University in Germany in 1991

In 1993, Germany published it as norm DIN69893-1~6:1993

There are six different type of HSK: A, B, C, D, E & F

In 2001, ISO published it as norm ISO12164-1:2001

ISO revised the taper angle from 1:10 to 1:9.98

It was to make sure the taper D2 will contact the spindle
when HSK toolholder has dual contact on taper and face

HSK是中空短圓錐刀柄

始於1991年德國阿亨大學開發

1993年成為德國規範DIN69893-1~6:1993

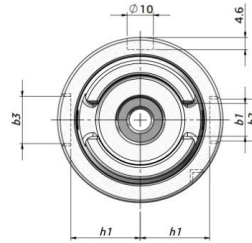
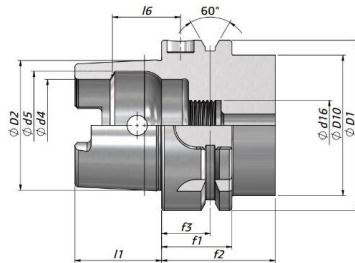
共有A, B, C, D, E & F六種錐度形式

2001年成為ISO規範ISO12164-1:2001

並將原本1/10的錐度改為1/9.98

確保錐度與端面兩面接觸時

中空短圓錐的大端能確實接觸



CLAMPING FORCE	HSK-A032	HSK-A040	HSK-A050	HSK-A063	HSK-A080	HSK-A100	HSK-A125	HSK-A160
	5KN	6.8KN	11KN	18KN	28KN	45KN	-	-

TAPER	HSK-A032	HSK-A040	HSK-A050	HSK-A063	HSK-A080	HSK-A100	HSK-A125	HSK-A160
ØD1 h10	32	40	50	63	80	100	125	160
ØD2	24 +0.0090/+0.0050	30 +0.0090/+0.0050	38 +0.0115/+0.0065	48 +0.0130/+0.0070	60 +0.0155/+0.0085	75 +0.017/+0.009	95 +0.021/+0.011	120 +0.021/+0.011
Ød4 H10	17	21	26	34	42	53	67	85
Ød5 H11	20.5	25.5	32.0	40.0	50.0	63.0	80.0	100.0
ØD10 max.	26	34	42	53	68	88	111	144
d16	M10*P1.0	M12*P1.0	M16*P1.0	M18*P1.0	M20*P1.5	M24*P1.5	M30*P1.5	M35*P1.5
f1 +0.0/-0.1	20	20	26	26	26	29	29	31
f2 min.	35	35	42	42	42	45	45	47
f3 +/-0.1	16	16	18	18	18	20	20	22
l1 +0.0/-0.2	16	20	25	32	40	50	63	80
l6 JS10	8.92	11.42	14.13	18.13	22.85	28.56	36.27	45.98
h1 +0.0/-0.2	13.0	17.0	21.0	26.5	34.0	44.0	55.5	72.0
b1 +0.04/-0.04	7.05	8.05	10.54	12.54	16.04	20.02	25.02	30.02
b2 H10	7	9	12	16	18	20	25	32
b3 H10	9	11	14	18	20	22	28	36

ezShrink EZ // HSK-T

ezShrink EZ // HSK-T

In 2001, Japanese published HSK-ICTM

It was a new norm of HSK toolholders for CNC mill/turn machines

In 2008, ISO published it as norm ISO12164-4:2008

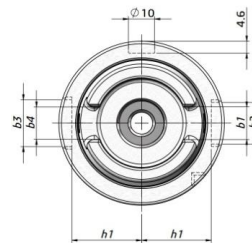
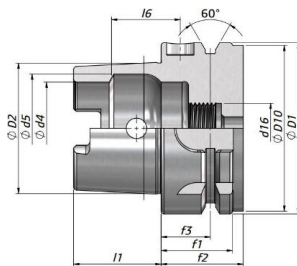
It is called HSK-T toolholders

日本於2001年公佈HSK-ICTM

規範車銑複合機使用的刀柄

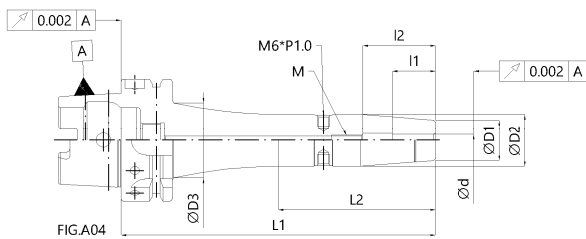
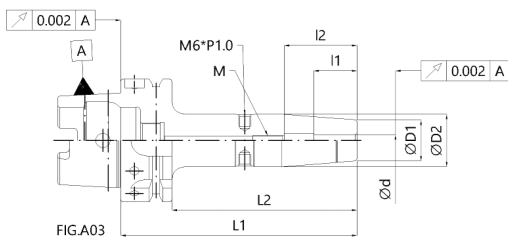
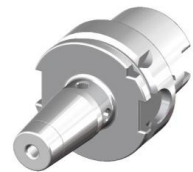
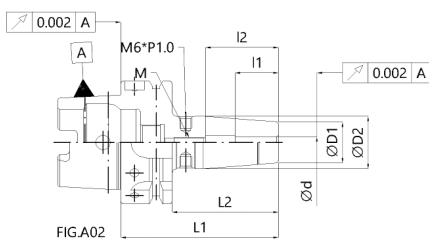
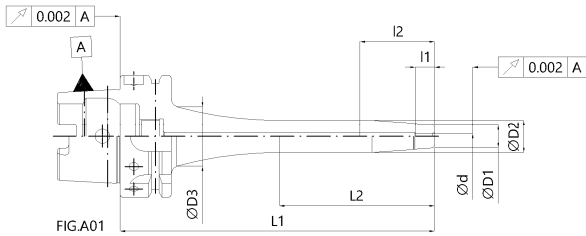
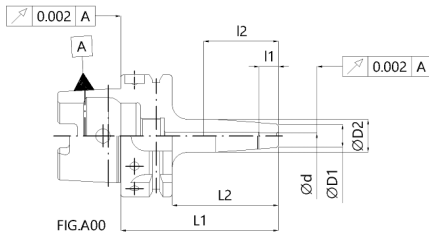
ISO在2008年將其納入規範ISO12164-4:2008

稱為HSK-T刀柄



CLAMPING FORCE	HSK-T032	HSK-T040	HSK-T050	HSK-T063	HSK-T080	HSK-T100
	6.5KN~7.5KN	8.84KN~10.2KN	14.3KN~16.5KN	23.4KN~28KN	36.4KN~42KN	58.5KN~67.5KN

TAPER	HSK-T032	HSK-T040	HSK-T050	HSK-T063	HSK-T080	HSK-T100
ØD10 max.	31	39	49	62	79	99
f2 min.	23	23	30	30	30	34
b1 +0.04/-0.04	7.05	8.05	10.54	12.54	16.04	20.02
b4	6.932 +0.030/-0.0	7.932 +0.030/-0.0	10.425 +0.035/-0.0	12.425 +0.035/-0.0	15.930 +0.035/-0.0	19.910 +0.035/-0.0



ezShrink EZ // HSK-A-EZ

ezShrink 熱膨脹燒結刀柄
ezShrink shrink fit chucks

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	▲	HSK-A032-EZ03-060	A00	60	40	12	17	-	3	11	-	-	0.20	A	
	▲	HSK-A032-EZ04-060	A00	60	40	12	17	-	4	14	-	-	0.20	A	
	▲	HSK-A032-EZ05-060	A00	60	40	12	17	-	5	17	-	-	0.20	A	
O		HSK-A032-EZ06-080	A02	80	60	21	26	-	6	23	37	M5*P0.8	0.50	A	
O		HSK-A032-EZ08-080	A02	80	60	21	26	-	8	27	37	M6*P1.0	0.50	A	
O		HSK-A032-EZ10-080	A02	80	60	24	30	-	10	32	42	M8*P1.0	0.60	A	
O		HSK-A032-EZ12-090	A02	90	70	24	31	-	12	37	48	M10*P1.0	0.70	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	▲	HSK-A040-EZ03-060	A00	60	40	12	17	-	3	11	-	-	0.30	A	
	▲	HSK-A040-EZ04-060	A00	60	40	12	17	-	4	14	-	-	0.30	A	
	▲	HSK-A040-EZ05-060	A00	60	40	12	17	-	5	17	-	-	0.30	A	
O		HSK-A040-EZ06-080	A02	80	60	21	27	-	6	23	37	M5*P0.8	0.60	A	
O		HSK-A040-EZ08-080	A02	80	60	21	27	-	8	27	37	M6*P1.0	0.60	A	
O		HSK-A040-EZ10-080	A02	80	60	24	32	-	10	32	42	M8*P1.0	0.70	A	
O		HSK-A040-EZ12-090	A02	90	70	24	32	-	12	37	48	M10*P1.0	0.80	A	
O		HSK-A040-EZ14-090	A02	90	70	27	34	-	14	37	48	M10*P1.0	0.90	A	
O		HSK-A040-EZ16-090	A02	90	70	27	34	-	16	40	51	M12*P1.0	0.90	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	▲	HSK-A050-EZ03-060	A00	60	34	12	17	-	3	11	-	-	0.40	A	
	▲	HSK-A050-EZ04-060	A00	60	34	12	17	-	4	14	-	-	0.40	A	
	▲	HSK-A050-EZ05-060	A00	60	34	12	17	-	5	17	-	-	0.40	A	
O		HSK-A050-EZ06-080	A02	80	54	21	27	-	6	23	37	M5*P0.8	0.70	A	
O		HSK-A050-EZ08-080	A02	80	54	21	27	-	8	27	37	M6*P1.0	0.70	A	
O		HSK-A050-EZ10-085	A02	85	59	24	32	-	10	32	42	M8*P1.0	0.90	A	
O		HSK-A050-EZ12-090	A02	90	64	24	32	-	12	37	48	M10*P1.0	0.90	A	
O		HSK-A050-EZ14-090	A02	90	64	27	34	-	14	37	48	M10*P1.0	1.00	A	
O		HSK-A050-EZ16-095	A02	95	69	27	34	-	16	40	51	M12*P1.0	1.10	A	
O		HSK-A050-EZ18-095	A02	95	69	33	41	-	18	40	51	M12*P1.0	1.20	A	
O		HSK-A050-EZ20-100	A02	100	74	33	41	-	20	42	53	M16*P1.0	1.20	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	▲	HSK-A063-EZ03-080	A00	80	54	12	17	-	3	11	-	-	0.70	A	
	▲	HSK-A063-EZ03-120	A00	120	94	12	17	-	3	11	-	-	1.10	A	
	▲	HSK-A063-EZ03-160	A01	160	80	12	17	40	3	11	-	-	1.50	A	
	▲	HSK-A063-EZ04-080	A00	80	54	12	17	-	4	14	-	-	0.70	A	
	▲	HSK-A063-EZ04-120	A00	120	94	12	17	-	4	14	-	-	1.10	A	
	▲	HSK-A063-EZ04-160	A01	160	80	12	17	40	4	14	-	-	1.50	A	
	▲	HSK-A063-EZ05-080	A00	80	54	12	17	-	5	17	-	-	0.70	A	
	▲	HSK-A063-EZ05-120	A00	120	94	12	17	-	5	17	-	-	1.10	A	
	▲	HSK-A063-EZ05-160	A01	160	80	12	17	40	5	17	-	-	1.50	A	
O	◎	HSK-A063-EZ06-080	A02	80	54	21	27	-	6	23	37	M5*P0.8	0.80	A	
O	●	HSK-A063-EZ06-120	A03	120	94	21	27	-	6	23	37	M5*P0.8	1.20	A	
O	●	HSK-A063-EZ06-160	A04	160	80	21	27	40	6	23	37	M5*P0.8	1.60	A	
O	●	HSK-A063-EZ06-200	A04	200	120	21	27	40	6	23	37	M5*P0.8	2.00	A	
O	◎	HSK-A063-EZ08-080	A02	80	54	21	27	-	8	27	37	M6*P1.0	0.80	A	
O	●	HSK-A063-EZ08-120	A03	120	94	21	27	-	8	27	37	M6*P1.0	1.20	A	
O	●	HSK-A063-EZ08-160	A04	160	80	21	27	40	8	27	37	M6*P1.0	1.60	A	
O	●	HSK-A063-EZ08-200	A04	200	120	21	27	40	8	27	37	M6*P1.0	2.00	A	

產品FIG.A02, A03 & A04出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.A02, A03 & A04 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK O=少量在庫品 // STOCK O=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

STOCK ●=售完變更規格 // STOCK ●=Change Code No. after sold out

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	◎	HSK-A063-EZ10-085	A02	85	59	24	32	-	10	32	42	M8*P1.0	1.00	A	
O	●	HSK-A063-EZ10-120	A03	120	94	24	32	-	10	32	42	M8*P1.0	1.30	A	
O	●	HSK-A063-EZ10-160	A04	160	80	24	32	42	10	32	42	M8*P1.0	1.70	A	
O	●	HSK-A063-EZ10-200	A04	200	120	24	32	42	10	32	42	M8*P1.0	2.10	A	
O	◎	HSK-A063-EZ12-090	A02	90	64	24	32	-	12	37	48	M10*P1.0	1.00	A	
O	●	HSK-A063-EZ12-120	A03	120	94	24	32	-	12	37	48	M10*P1.0	1.30	A	
O	●	HSK-A063-EZ12-160	A04	160	80	24	32	42	12	37	48	M10*P1.0	1.70	A	
O	●	HSK-A063-EZ12-200	A04	200	120	24	32	42	12	37	48	M10*P1.0	2.10	A	
O	◎	HSK-A063-EZ14-090	A02	90	64	27	34	-	14	37	48	M10*P1.0	1.10	A	
O	●	HSK-A063-EZ14-120	A03	120	94	27	34	-	14	37	48	M10*P1.0	1.40	A	
O	●	HSK-A063-EZ14-160	A04	160	80	27	34	42	14	37	48	M10*P1.0	1.80	A	
O	●	HSK-A063-EZ14-200	A04	200	120	27	34	42	14	37	48	M10*P1.0	2.20	A	
O	◎	HSK-A063-EZ16-095	A02	95	69	27	34	-	16	40	51	M12*P1.0	1.20	A	
O	●	HSK-A063-EZ16-120	A03	120	94	27	34	-	16	40	51	M12*P1.0	1.40	A	
O	●	HSK-A063-EZ16-160	A04	160	80	27	34	42	16	40	51	M12*P1.0	1.80	A	
O	●	HSK-A063-EZ16-200	A04	200	120	27	34	42	16	40	51	M12*P1.0	2.20	A	
O	◎	HSK-A063-EZ18-095	A02	95	69	33	41	-	18	40	51	M12*P1.0	1.30	A	
O	●	HSK-A063-EZ18-120	A03	120	94	33	41	-	18	40	51	M12*P1.0	1.50	A	
O	●	HSK-A063-EZ18-160	A04	160	80	33	41	50	18	40	51	M12*P1.0	1.90	A	
O	●	HSK-A063-EZ18-200	A04	200	120	33	41	50	18	40	51	M12*P1.0	2.30	A	
O	◎	HSK-A063-EZ20-100	A02	100	74	33	41	-	20	42	53	M16*P1.0	1.30	A	
O	●	HSK-A063-EZ20-120	A03	120	94	33	41	-	20	42	53	M16*P1.0	1.50	A	
O	●	HSK-A063-EZ20-160	A04	160	80	33	41	50	20	42	53	M16*P1.0	1.90	A	
O	●	HSK-A063-EZ20-200	A04	200	120	33	41	50	20	42	53	M16*P1.0	2.30	A	
O	◎	HSK-A063-EZ25-115	A02	115	89	44	53	-	25	48	59	M16*P1.0	1.90	A	
O	●	HSK-A063-EZ25-160	A03	160	134	44	53	-	25	48	59	M16*P1.0	2.30	A	
O	●	HSK-A063-EZ25-200	A03	200	174	44	53	-	25	48	59	M16*P1.0	2.70	A	
O	◎	HSK-A063-EZ32-120	A02	120	94	44	53	-	32	52	63	M16*P1.0	1.90	A	
O	●	HSK-A063-EZ32-160	A03	160	134	44	53	-	32	52	63	M16*P1.0	2.30	A	
O	●	HSK-A063-EZ32-200	A03	200	174	44	53	-	32	52	63	M16*P1.0	2.70	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-A080-EZ06-085	A02	85	59	21	27	-	6	23	37	M5*P0.8	1.50	C	
O	●	HSK-A080-EZ06-160	A04	160	80	21	27	40	6	23	37	M5*P0.8	2.20	C	
O		HSK-A080-EZ08-085	A02	85	59	21	27	-	8	27	37	M6*P1.0	1.50	C	
O	●	HSK-A080-EZ08-160	A04	160	80	21	27	40	8	27	37	M6*P1.0	2.20	C	
O		HSK-A080-EZ10-090	A02	90	64	24	32	-	10	32	42	M8*P1.0	1.60	C	
O	●	HSK-A080-EZ10-160	A04	160	80	24	32	42	10	32	42	M8*P1.0	2.30	C	
O		HSK-A080-EZ12-095	A02	95	69	24	32	-	12	37	48	M10*P1.0	1.70	C	
O	●	HSK-A080-EZ12-160	A04	160	80	24	32	42	12	37	48	M10*P1.0	2.30	C	
O		HSK-A080-EZ14-095	A02	95	69	27	34	-	14	37	48	M10*P1.0	1.80	C	
O	●	HSK-A080-EZ16-100	A02	100	74	27	34	-	16	40	51	M12*P1.0	1.90	C	
O		HSK-A080-EZ16-160	A04	160	80	27	34	42	16	40	51	M12*P1.0	2.40	C	
O	●	HSK-A080-EZ18-100	A02	100	74	33	41	-	18	40	51	M12*P1.0	2.00	C	
O		HSK-A080-EZ20-105	A02	105	79	33	41	-	20	42	53	M16*P1.0	2.00	C	
O	●	HSK-A080-EZ20-160	A04	160	80	33	41	50	20	42	53	M16*P1.0	2.50	C	
O		HSK-A080-EZ25-115	A02	115	89	44	53	-	25	48	59	M16*P1.0	2.50	C	
O	●	HSK-A080-EZ25-160	A04	160	80	44	53	62	25	48	59	M16*P1.0	2.90	C	
O		HSK-A080-EZ32-120	A02	120	94	44	53	-	32	52	63	M16*P1.0	2.50	C	
O	●	HSK-A080-EZ32-160	A04	160	80	44	53	62	32	52	63	M16*P1.0	2.90	C	

產品FIG.A02, A03 & A04出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.A02, A03 & A04 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	◎	HSK-A100-EZ06-085	A02	85	56	21	27	-	6	23	37	M5*P0.8	2.00	C	
O	●	HSK-A100-EZ06-120	A03	120	91	21	27	-	6	23	37	M5*P0.8	2.40	C	
O	●	HSK-A100-EZ06-160	A04	160	80	21	27	40	6	23	37	M5*P0.8	2.80	C	
O	●	HSK-A100-EZ06-200	A04	200	120	21	27	40	6	23	37	M5*P0.8	3.20	C	
O	◎	HSK-A100-EZ08-085	A02	85	56	21	27	-	8	27	37	M6*P1.0	2.00	C	
O	●	HSK-A100-EZ08-120	A03	120	91	21	27	-	8	27	37	M6*P1.0	2.40	C	
O	●	HSK-A100-EZ08-160	A04	160	80	21	27	40	8	27	37	M6*P1.0	2.80	C	
O	●	HSK-A100-EZ08-200	A04	200	120	21	27	40	8	27	37	M6*P1.0	3.20	C	
O	◎	HSK-A100-EZ10-090	A02	90	61	24	32	-	10	32	42	M8*P1.0	2.20	C	
O	●	HSK-A100-EZ10-120	A03	120	91	24	32	-	10	32	42	M8*P1.0	2.50	C	
O	●	HSK-A100-EZ10-160	A04	160	80	24	32	42	10	32	42	M8*P1.0	2.90	C	
O	●	HSK-A100-EZ10-200	A04	200	120	24	32	42	10	32	42	M8*P1.0	3.30	C	
O	◎	HSK-A100-EZ12-095	A02	95	66	24	32	-	12	37	48	M10*P1.0	2.30	C	
O	●	HSK-A100-EZ12-120	A03	120	91	24	32	-	12	37	48	M10*P1.0	2.50	C	
O	●	HSK-A100-EZ12-160	A04	160	80	24	32	42	12	37	48	M10*P1.0	2.90	C	
O	●	HSK-A100-EZ12-200	A04	200	120	24	32	42	12	37	48	M10*P1.0	3.30	C	
O	◎	HSK-A100-EZ14-095	A02	95	66	27	34	-	14	37	48	M10*P1.0	2.40	C	
O	●	HSK-A100-EZ14-120	A03	120	91	27	34	-	14	37	48	M10*P1.0	2.60	C	
O	●	HSK-A100-EZ14-160	A04	160	80	27	34	42	14	37	48	M10*P1.0	3.00	C	
O	●	HSK-A100-EZ14-200	A04	200	120	27	34	42	14	37	48	M10*P1.0	3.40	C	
O	◎	HSK-A100-EZ16-100	A02	100	71	27	34	-	16	40	51	M12*P1.0	2.40	C	
O	●	HSK-A100-EZ16-120	A03	120	91	27	34	-	16	40	51	M12*P1.0	2.60	C	
O	●	HSK-A100-EZ16-160	A04	160	80	27	34	42	16	40	51	M12*P1.0	3.00	C	
O	●	HSK-A100-EZ16-200	A04	200	120	27	34	42	16	40	51	M12*P1.0	3.40	C	
O	◎	HSK-A100-EZ18-100	A02	100	71	33	41	-	18	40	51	M12*P1.0	2.50	C	
O	●	HSK-A100-EZ18-120	A03	120	91	33	41	-	18	40	51	M12*P1.0	2.70	C	
O	●	HSK-A100-EZ18-160	A04	160	80	33	41	50	18	40	51	M12*P1.0	3.10	C	
O	●	HSK-A100-EZ18-200	A04	200	120	33	41	50	18	40	51	M12*P1.0	3.50	C	
O	◎	HSK-A100-EZ20-105	A02	105	76	33	41	-	20	42	53	M16*P1.0	2.60	C	
O	●	HSK-A100-EZ20-120	A03	120	91	33	41	-	20	42	53	M16*P1.0	2.70	C	
O	●	HSK-A100-EZ20-160	A04	160	80	33	41	50	20	42	53	M16*P1.0	3.10	C	
O	●	HSK-A100-EZ20-200	A04	200	120	33	41	50	20	42	53	M16*P1.0	3.50	C	
O	◎	HSK-A100-EZ25-115	A02	115	86	44	53	-	25	48	59	M16*P1.0	3.10	C	
O	●	HSK-A100-EZ25-160	A04	160	80	44	53	62	25	48	59	M16*P1.0	3.50	C	
O	●	HSK-A100-EZ25-200	A04	200	120	44	53	62	25	48	59	M16*P1.0	3.90	C	
O	◎	HSK-A100-EZ32-120	A02	120	91	44	53	-	32	52	63	M16*P1.0	3.10	C	
O	●	HSK-A100-EZ32-160	A04	160	80	44	53	62	32	52	63	M16*P1.0	3.50	C	
O	●	HSK-A100-EZ32-200	A04	200	120	44	53	62	32	52	63	M16*P1.0	3.90	C	

產品FIG.A02, A03 & A04出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.A02, A03 & A04 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

STOCK ●=售完變更規格 // STOCK ●=Change Code No. after sold out

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鈎鋼柄刀具 HSS Blank=carbide shank tool only

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	HSK-A032-EZ1/4"-3.15"	A02	3.15"	2.36"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.50	A	
O	HSK-A032-EZ5/16"-3.15"	A02	3.15"	2.36"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.50	A	
O	HSK-A032-EZ3/8"-3.15"	A02	3.15"	2.36"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.60	A	
O	HSK-A032-EZ7/16"-3.54"	A02	3.54"	2.76"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	0.70	A	
O	HSK-A032-EZ1/2"-3.54"	A02	3.54"	2.76"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	0.70	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	HSK-A040-EZ1/4"-3.15"	A02	3.15"	2.36"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.60	A	
O	HSK-A040-EZ5/16"-3.15"	A02	3.15"	2.36"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.60	A	
O	HSK-A040-EZ3/8"-3.15"	A02	3.15"	2.36"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.70	A	
O	HSK-A040-EZ7/16"-3.54"	A02	3.54"	2.76"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	0.80	A	
O	HSK-A040-EZ1/2"-3.54"	A02	3.54"	2.76"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	0.90	A	
O	HSK-A040-EZ5/8"-3.54"	A02	3.54"	2.76"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	0.90	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	HSK-A050-EZ1/4"-3.15"	A02	3.15"	2.13"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.70	A	
O	HSK-A050-EZ5/16"-3.15"	A02	3.15"	2.13"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.70	A	
O	HSK-A050-EZ3/8"-3.35"	A02	3.35"	2.32"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.90	A	
O	HSK-A050-EZ7/16"-3.35"	A02	3.35"	2.32"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	0.90	A	
O	HSK-A050-EZ1/2"-3.54"	A02	3.54"	2.52"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.00	A	
O	HSK-A050-EZ5/8"-3.74"	A02	3.74"	2.72"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.10	A	
O	HSK-A050-EZ3/4"-3.94"	A02	3.94"	2.91"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	1.20	A	
O	HSK-A050-EZ7/8"-3.94"	A02	3.94"	2.91"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.20	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	HSK-A063-EZ1/4"-3.15"	A02	3.15"	2.13"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.80	A	
O	HSK-A063-EZ5/16"-3.15"	A02	3.15"	2.13"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.80	A	
O	HSK-A063-EZ3/8"-3.35"	A02	3.35"	2.32"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.00	A	
O	HSK-A063-EZ7/16"-3.35"	A02	3.35"	2.32"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	1.00	A	
O	HSK-A063-EZ1/2"-3.54"	A02	3.54"	2.91"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.10	A	
O	HSK-A063-EZ5/8"-3.74"	A02	3.74"	2.72"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.20	A	
O	HSK-A063-EZ3/4"-3.94"	A02	3.94"	2.91"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	1.30	A	
O	HSK-A063-EZ7/8"-3.94"	A02	3.94"	2.91"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.30	A	
O	HSK-A063-EZ1"-4.53"	A02	4.53"	3.50"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	1.90	A	
O	HSK-A063-EZ1 1/4"-4.72"	A02	4.72"	3.70"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	1.90	A	

產品FIG.A02, A03 & A04出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.A02, A03 & A04 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

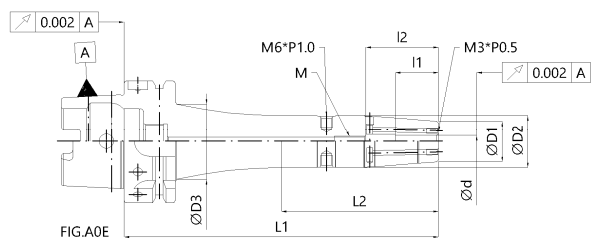
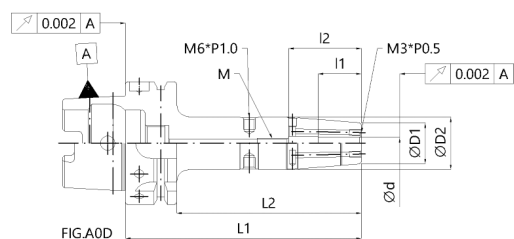
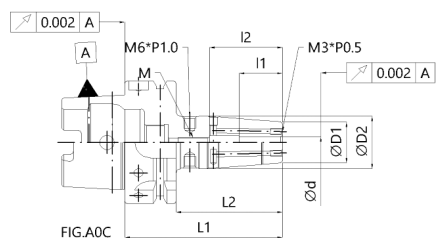
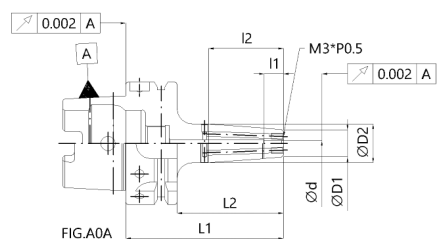
動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-A080-EZ1/4"-3.35"	A02	3.35"	2.32"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.50	C	
O		HSK-A080-EZ5/16"-3.35"	A02	3.35"	2.32"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.50	C	
O		HSK-A080-EZ3/8"-3.54"	A02	3.54"	2.52"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.60	C	
O		HSK-A080-EZ7/16"-3.54"	A02	3.54"	2.52"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	1.60	C	
O		HSK-A080-EZ1/2"-3.74"	A02	3.74"	2.72"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.80	C	
O		HSK-A080-EZ5/8"-3.94"	A02	3.94"	2.91"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.80	C	
O		HSK-A080-EZ3/4"-4.13"	A02	4.13"	2.91"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	2.00	C	
O		HSK-A080-EZ7/8"-4.13"	A02	4.13"	3.11"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	2.00	C	
O		HSK-A080-EZ1"-4.53"	A02	4.53"	3.50"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.50	C	
O		HSK-A080-EZ1 1/4"-4.72"	A02	4.72"	3.70"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.50	C	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-A100-EZ1/4"-3.35"	A02	3.35"	2.20"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	2.00	C	
O		HSK-A100-EZ5/16"-3.35"	A02	3.35"	2.20"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	2.00	C	
O		HSK-A100-EZ3/8"-3.54"	A02	3.54"	2.40"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	2.20	C	
O		HSK-A100-EZ7/16"-3.54"	A02	3.54"	2.40"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	2.20	C	
O		HSK-A100-EZ1/2"-3.74"	A02	3.74"	2.60"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	2.40	C	
O		HSK-A100-EZ5/8"-3.94"	A02	3.94"	2.80"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	2.40	C	
O		HSK-A100-EZ3/4"-4.13"	A02	4.13"	3.00"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	2.60	C	
O		HSK-A100-EZ7/8"-4.13"	A02	4.13"	3.00"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	2.60	C	
O		HSK-A100-EZ1"-4.53"	A02	4.53"	3.50"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	3.10	C	
O		HSK-A100-EZ1 1/4"-4.72"	A02	4.72"	3.70"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	3.10	C	

產品FIG.A02, A03 & A04出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.A02, A03 & A04 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only



ezShrink EZKK // HSK-A-EZKK

ezShrink+ezKool 鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	▲	HSK-A063-EZ03-080KK	A0A	80	54	14	20	-	3	11	-	-	0.70	A	
	▲	HSK-A063-EZ04-080KK	A0A	80	54	14	20	-	4	14	-	-	0.70	A	
	▲	HSK-A063-EZ05-080KK	A0A	80	54	14	20	-	5	17	-	-	0.70	A	
O	◎	HSK-A063-EZ06-080KK	A0C	80	54	21	27	-	6	23	37	M5*P0.8	0.80	A	
O	◎	HSK-A063-EZ06-120KK	A0D	120	94	21	27	-	6	23	37	M5*P0.8	1.20	A	
O		HSK-A063-EZ06-160KK	A0E	160	80	21	27	40	6	23	37	M5*P0.8	1.60	A	
O		HSK-A063-EZ06-200KK	A0E	200	120	21	27	40	6	23	37	M5*P0.8	2.00	A	
O	◎	HSK-A063-EZ08-080KK	A0C	80	54	21	27	-	8	27	37	M6*P1.0	0.80	A	
O	◎	HSK-A063-EZ08-120KK	A0D	120	94	21	27	-	8	27	37	M6*P1.0	1.20	A	
O		HSK-A063-EZ08-160KK	A0E	160	80	21	27	40	8	27	37	M6*P1.0	1.60	A	
O		HSK-A063-EZ08-200KK	A0E	200	120	21	27	40	8	27	37	M6*P1.0	2.00	A	
O	◎	HSK-A063-EZ10-085KK	A0C	85	59	24	32	-	10	32	42	M8*P1.0	1.00	A	
O	◎	HSK-A063-EZ10-120KK	A0D	120	94	24	32	-	10	32	42	M8*P1.0	1.30	A	
O		HSK-A063-EZ10-160KK	A0E	160	80	24	32	42	10	32	42	M8*P1.0	1.70	A	
O		HSK-A063-EZ10-200KK	A0E	200	120	24	32	42	10	32	42	M8*P1.0	2.10	A	
O	◎	HSK-A063-EZ12-090KK	A0C	90	64	24	32	-	12	37	48	M10*P1.0	1.00	A	
O	◎	HSK-A063-EZ12-120KK	A0D	120	94	24	32	-	12	37	48	M10*P1.0	1.30	A	
O		HSK-A063-EZ12-160KK	A0E	160	80	24	32	42	12	37	48	M10*P1.0	1.70	A	
O		HSK-A063-EZ12-200KK	A0E	200	120	24	32	42	12	37	48	M10*P1.0	2.10	A	
O	◎	HSK-A063-EZ14-090KK	A0C	90	64	27	34	-	14	37	48	M10*P1.0	1.10	A	
O	◎	HSK-A063-EZ14-120KK	A0D	120	94	27	34	-	14	37	48	M10*P1.0	1.40	A	
O		HSK-A063-EZ14-160KK	A0E	160	80	27	34	42	14	37	48	M10*P1.0	1.80	A	
O		HSK-A063-EZ14-200KK	A0E	200	120	27	34	42	14	37	48	M10*P1.0	2.20	A	
O	◎	HSK-A063-EZ16-095KK	A0C	95	69	27	34	-	16	40	51	M12*P1.0	1.20	A	
O	◎	HSK-A063-EZ16-120KK	A0D	120	94	27	34	-	16	40	51	M12*P1.0	1.40	A	
O		HSK-A063-EZ16-160KK	A0E	160	80	27	34	42	16	40	51	M12*P1.0	1.80	A	
O		HSK-A063-EZ16-200KK	A0E	200	120	27	34	42	16	40	51	M12*P1.0	2.20	A	
O	◎	HSK-A063-EZ18-095KK	A0C	95	69	33	41	-	18	40	51	M12*P1.0	1.30	A	
O	◎	HSK-A063-EZ18-120KK	A0D	120	94	33	41	-	18	40	51	M12*P1.0	1.50	A	
O		HSK-A063-EZ18-160KK	A0E	160	80	33	41	50	18	40	51	M12*P1.0	1.90	A	
O		HSK-A063-EZ18-200KK	A0E	200	120	33	41	50	18	40	51	M12*P1.0	2.30	A	
O	◎	HSK-A063-EZ20-100KK	A0C	100	74	33	41	-	20	42	53	M16*P1.0	1.30	A	
O	◎	HSK-A063-EZ20-120KK	A0D	120	94	33	41	-	20	42	53	M16*P1.0	1.50	A	
O		HSK-A063-EZ20-160KK	A0E	160	80	33	41	50	20	42	53	M16*P1.0	1.90	A	
O		HSK-A063-EZ20-200KK	A0E	200	120	33	41	50	20	42	53	M16*P1.0	2.30	A	
O	◎	HSK-A063-EZ25-115KK	A0C	115	89	44	53	-	25	48	59	M16*P1.0	1.90	A	
O		HSK-A063-EZ25-160KK	A0D	160	134	44	53	-	25	48	59	M16*P1.0	2.30	A	
O		HSK-A063-EZ25-200KK	A0D	200	174	44	53	-	25	48	59	M16*P1.0	2.70	A	
O	◎	HSK-A063-EZ32-120KK	A0C	120	94	44	53	-	32	52	63	M16*P1.0	1.90	A	
O		HSK-A063-EZ32-160KK	A0D	160	134	44	53	-	32	52	63	M16*P1.0	2.30	A	
O		HSK-A063-EZ32-200KK	A0D	200	174	44	53	-	32	52	63	M16*P1.0	2.70	A	

產品FIG.A0C, A0D & A0E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.A0C, A0D & A0E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.A0C, A0D & A0E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.A0C, A0D & A0E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產 // STOCK BLANK=on request

STOCK ●=售完變更規格 // STOCK ●=Change Code No. after sold out

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS 無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O	◎	HSK-A100-EZ06-085KK	A0C	85	56	21	27	-	6	23	37	M5*P0.8	2.00	C	
O	◎	HSK-A100-EZ06-120KK	A0D	120	91	21	27	-	6	23	37	M5*P0.8	2.40	C	
O		HSK-A100-EZ06-160KK	A0E	160	80	21	27	40	6	23	37	M5*P0.8	2.80	C	
O		HSK-A100-EZ06-200KK	A0E	200	120	21	27	40	6	23	37	M5*P0.8	3.20	C	
O	◎	HSK-A100-EZ08-085KK	A0C	85	56	21	27	-	8	27	37	M6*P1.0	2.00	C	
O	◎	HSK-A100-EZ08-120KK	A0D	120	91	21	27	-	8	27	37	M6*P1.0	2.40	C	
O		HSK-A100-EZ08-160KK	A0E	160	80	21	27	40	8	27	37	M6*P1.0	2.80	C	
O		HSK-A100-EZ08-200KK	A0E	200	120	21	27	40	8	27	37	M6*P1.0	3.20	C	
O	◎	HSK-A100-EZ10-090KK	A0C	90	61	24	32	-	10	32	42	M8*P1.0	2.20	C	
O	◎	HSK-A100-EZ10-120KK	A0D	120	91	24	32	-	10	32	42	M8*P1.0	2.50	C	
O		HSK-A100-EZ10-160KK	A0E	160	80	24	32	42	10	32	42	M8*P1.0	2.90	C	
O		HSK-A100-EZ10-200KK	A0E	200	120	24	32	42	10	32	42	M8*P1.0	3.30	C	
O	◎	HSK-A100-EZ12-095KK	A0C	95	66	24	32	-	12	37	48	M10*P1.0	2.30	C	
O	◎	HSK-A100-EZ12-120KK	A0D	120	91	24	32	-	12	37	48	M10*P1.0	2.50	C	
O		HSK-A100-EZ12-160KK	A0E	160	80	24	32	42	12	37	48	M10*P1.0	2.90	C	
O		HSK-A100-EZ12-200KK	A0E	200	120	24	32	42	12	37	48	M10*P1.0	3.30	C	
O	◎	HSK-A100-EZ14-095KK	A0C	95	66	27	34	-	14	37	48	M10*P1.0	2.40	C	
O	◎	HSK-A100-EZ14-120KK	A0D	120	91	27	34	-	14	37	48	M10*P1.0	2.60	C	
O		HSK-A100-EZ14-160KK	A0E	160	80	27	34	42	14	37	48	M10*P1.0	3.00	C	
O		HSK-A100-EZ14-200KK	A0E	200	120	27	34	42	14	37	48	M10*P1.0	3.40	C	
O	◎	HSK-A100-EZ16-100KK	A0C	100	71	27	34	-	16	40	51	M12*P1.0	2.40	C	
O	◎	HSK-A100-EZ16-120KK	A0D	120	91	27	34	-	16	40	51	M12*P1.0	2.60	C	
O		HSK-A100-EZ16-160KK	A0E	160	80	27	34	42	16	40	51	M12*P1.0	3.00	C	
O		HSK-A100-EZ16-200KK	A0E	200	120	27	34	42	16	40	51	M12*P1.0	3.40	C	
O	◎	HSK-A100-EZ18-100KK	A0C	100	71	33	41	-	18	40	51	M12*P1.0	2.50	C	
O	◎	HSK-A100-EZ18-120KK	A0D	120	91	33	41	-	18	40	51	M12*P1.0	2.70	C	
O		HSK-A100-EZ18-160KK	A0E	160	80	33	41	50	18	40	51	M12*P1.0	3.10	C	
O		HSK-A100-EZ18-200KK	A0E	200	120	33	41	50	18	40	51	M12*P1.0	3.50	C	
O	◎	HSK-A100-EZ20-105KK	A0C	105	76	33	41	-	20	42	53	M16*P1.0	2.60	C	
O	◎	HSK-A100-EZ20-120KK	A0D	120	91	33	41	-	20	42	53	M16*P1.0	2.70	C	
O		HSK-A100-EZ20-160KK	A0E	160	80	33	41	50	20	42	53	M16*P1.0	3.10	C	
O		HSK-A100-EZ20-200KK	A0E	200	120	33	41	50	20	42	53	M16*P1.0	3.50	C	
O	◎	HSK-A100-EZ25-115KK	A0C	115	86	44	53	-	25	48	59	M16*P1.0	3.10	C	
O		HSK-A100-EZ25-160KK	A0E	160	80	44	53	64	25	48	59	M16*P1.0	3.50	C	
O		HSK-A100-EZ25-200KK	A0E	200	120	44	53	64	25	48	59	M16*P1.0	3.90	C	
O	◎	HSK-A100-EZ32-120KK	A0C	120	91	44	53	-	32	52	63	M16*P1.0	3.10	C	
O		HSK-A100-EZ32-160KK	A0E	160	80	44	53	64	32	52	63	M16*P1.0	3.50	C	
O		HSK-A100-EZ32-200KK	A0E	200	120	44	53	64	32	52	63	M16*P1.0	3.90	C	

產品FIG.A0C, A0D & A0E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.A0C, A0D & A0E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.A0C, A0D & A0E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.A0C, A0D & A0E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

STOCK ●=售完變更規格 // STOCK ●=Change Code No. after sold out

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZKK // HSK-A-EZKK inch

ezShrink+ezKool 鼻端噴水熱膨脹燒結刀柄-英制

ezShrink+ezKool shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-A063-EZ1/4"-3.15"KK	A0C	3.15"	2.13"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.80	A	
O		HSK-A063-EZ1/4"-4.72"KK	A0D	4.72"	3.70"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	1.20	A	
O		HSK-A063-EZ1/4"-6.30"KK	A0E	6.30"	3.15"	0.83"	1.06"	1.58"	1/4"	0.91"	1.46"	M5*P0.8	1.60	A	
O		HSK-A063-EZ1/4"-7.87"KK	A0E	7.87"	4.72"	0.83"	1.06"	1.58"	1/4"	0.91"	1.46"	M5*P0.8	2.00	A	
O		HSK-A063-EZ5/16"-3.15"KK	A0C	3.15"	2.13"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.80	A	
O		HSK-A063-EZ5/16"-4.72"KK	A0D	4.72"	3.70"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	1.20	A	
O		HSK-A063-EZ5/16"-6.30"KK	A0E	6.30"	3.15"	0.83"	1.06"	1.58"	5/16"	1.06"	1.46"	M6*P1.0	1.60	A	
O		HSK-A063-EZ5/16"-7.87"KK	A0E	7.87"	4.72"	0.83"	1.06"	1.58"	5/16"	1.06"	1.46"	M6*P1.0	2.00	A	
O		HSK-A063-EZ3/8"-3.35"KK	A0C	3.35"	2.32"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.00	A	
O		HSK-A063-EZ3/8"-4.72"KK	A0D	4.72"	3.70"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.30	A	
O		HSK-A063-EZ3/8"-6.30"KK	A0E	6.30"	3.15"	0.94"	1.26"	1.66"	3/8"	1.26"	1.65"	M8*P1.0	1.70	A	
O		HSK-A063-EZ3/8"-7.87"KK	A0E	7.87"	4.72"	0.94"	1.26"	1.66"	3/8"	1.26"	1.65"	M8*P1.0	2.10	A	
O		HSK-A063-EZ7/16"-3.35"KK	A0C	3.35"	2.32"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	1.00	A	
O		HSK-A063-EZ7/16"-4.72"KK	A0D	4.72"	3.70"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	1.30	A	
O		HSK-A063-EZ7/16"-6.30"KK	A0E	6.30"	3.15"	0.94"	1.26"	1.66"	7/16"	1.26"	1.65"	M10*P1.0	1.70	A	
O		HSK-A063-EZ7/16"-7.87"KK	A0E	7.87"	4.72"	0.94"	1.26"	1.66"	7/16"	1.26"	1.65"	M10*P1.0	2.10	A	
O		HSK-A063-EZ1/2"-3.54"KK	A0C	3.54"	2.91"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.10	A	
O		HSK-A063-EZ1/2"-4.72"KK	A0D	4.72"	3.70"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.40	A	
O		HSK-A063-EZ1/2"-6.30"KK	A0E	6.30"	3.15"	0.94"	1.26"	1.66"	1/2"	1.46"	1.89"	M10*P1.0	1.80	A	
O		HSK-A063-EZ1/2"-7.87"KK	A0E	7.87"	4.72"	0.94"	1.26"	1.66"	1/2"	1.46"	1.89"	M10*P1.0	2.20	A	
O		HSK-A063-EZ5/8"-3.74"KK	A0C	3.74"	2.72"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.20	A	
O		HSK-A063-EZ5/8"-4.72"KK	A0D	4.72"	3.70"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.40	A	
O		HSK-A063-EZ5/8"-6.30"KK	A0E	6.30"	3.15"	1.06"	1.34"	1.66"	5/8"	1.57"	2.01"	M12*P1.0	1.80	A	
O		HSK-A063-EZ5/8"-7.87"KK	A0E	7.87"	4.72"	1.06"	1.34"	1.66"	5/8"	1.57"	2.01"	M12*P1.0	2.20	A	
O		HSK-A063-EZ3/4"-3.94"KK	A0C	3.94"	2.91"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	1.30	A	
O		HSK-A063-EZ3/4"-4.72"KK	A0D	4.72"	3.70"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	1.50	A	
O		HSK-A063-EZ3/4"-6.30"KK	A0E	6.30"	3.15"	1.30"	1.62"	1.97"	3/4"	1.65"	2.09"	M12*P1.0	1.90	A	
O		HSK-A063-EZ3/4"-7.87"KK	A0E	7.87"	4.72"	1.30"	1.62"	1.97"	3/4"	1.65"	2.09"	M12*P1.0	2.30	A	
O		HSK-A063-EZ7/8"-3.94"KK	A0C	3.94"	2.91"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.30	A	
O		HSK-A063-EZ7/8"-4.72"KK	A0D	4.72"	3.70"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.50	A	
O		HSK-A063-EZ7/8"-6.30"KK	A0E	6.30"	3.15"	1.30"	1.62"	1.97"	7/8"	1.65"	2.09"	M16*P1.0	1.90	A	
O		HSK-A063-EZ7/8"-7.87"KK	A0E	7.87"	4.72"	1.30"	1.62"	1.97"	7/8"	1.65"	2.09"	M16*P1.0	2.30	A	
O		HSK-A063-EZ1"-4.53"KK	A0C	4.53"	3.50"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	1.90	A	
O		HSK-A063-EZ1"-6.30"KK	A0D	6.30"	5.28"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.30	A	
O		HSK-A063-EZ1"-7.87"KK	A0D	7.87"	6.85"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	2.70	A	
O		HSK-A063-EZ1 1/4"-4.72"KK	A0C	4.72"	3.70"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	1.90	A	
O		HSK-A063-EZ1 1/4"-6.30"KK	A0D	6.30"	5.28"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.30	A	
O		HSK-A063-EZ1 1/4"-7.87"KK	A0D	7.87"	6.85"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	2.70	A	

產品FIG.A0C, A0D & A0E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.A0C, A0D & A0E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.A0C, A0D & A0E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.A0C, A0D & A0E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產產品 // STOCK BLANK=on request

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-A100-EZ1/4"-3.35"KK	A0C	3.35"	2.20"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	2.00	C	
O		HSK-A100-EZ1/4"-4.72"KK	A0D	4.72"	3.58"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	2.40	C	
O		HSK-A100-EZ1/4"-6.30"KK	A0E	6.30"	3.15"	0.83"	1.06"	1.58"	1/4"	0.91"	1.46"	M5*P0.8	2.80	C	
O		HSK-A100-EZ1/4"-7.87"KK	A0E	7.87"	4.72"	0.83"	1.06"	1.58"	1/4"	0.91"	1.46"	M5*P0.8	3.20	C	
O		HSK-A100-EZ5/16"-3.35"KK	A0C	3.35"	2.20"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	2.00	C	
O		HSK-A100-EZ5/16"-4.72"KK	A0D	4.72"	3.58"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	2.40	C	
O		HSK-A100-EZ5/16"-6.30"KK	A0E	6.30"	3.15"	0.83"	1.06"	1.58"	5/16"	1.06"	1.46"	M6*P1.0	2.80	C	
O		HSK-A100-EZ5/16"-7.87"KK	A0E	7.87"	4.72"	0.83"	1.06"	1.58"	5/16"	1.06"	1.46"	M6*P1.0	3.20	C	
O		HSK-A100-EZ3/8"-3.54"KK	A0C	3.54"	2.40"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	2.20	C	
O		HSK-A100-EZ3/8"-4.72"KK	A0D	4.72"	3.58"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	2.50	C	
O		HSK-A100-EZ3/8"-6.30"KK	A0E	6.30"	3.15"	0.94"	1.26"	1.66"	3/8"	1.26"	1.65"	M8*P1.0	2.90	C	
O		HSK-A100-EZ3/8"-7.87"KK	A0E	7.87"	4.72"	0.94"	1.26"	1.66"	3/8"	1.26"	1.65"	M8*P1.0	3.30	C	
O		HSK-A100-EZ7/16"-3.54"KK	A0C	3.54"	2.40"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	2.20	C	
O		HSK-A100-EZ7/16"-4.72"KK	A0D	4.72"	3.58"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	2.50	C	
O		HSK-A100-EZ7/16"-6.30"KK	A0E	6.30"	3.15"	0.94"	1.26"	1.66"	7/16"	1.26"	1.65"	M10*P1.0	2.90	C	
O		HSK-A100-EZ7/16"-7.87"KK	A0E	7.87"	4.72"	0.94"	1.26"	1.66"	7/16"	1.26"	1.65"	M10*P1.0	3.30	C	
O		HSK-A100-EZ1/2"-3.74"KK	A0C	3.74"	2.60"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	2.40	C	
O		HSK-A100-EZ1/2"-4.72"KK	A0D	4.72"	3.58"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	2.60	C	
O		HSK-A100-EZ1/2"-6.30"KK	A0E	6.30"	3.15"	0.94"	1.26"	1.66"	1/2"	1.46"	1.89"	M10*P1.0	3.00	C	
O		HSK-A100-EZ1/2"-7.87"KK	A0E	7.87"	4.72"	0.94"	1.26"	1.66"	1/2"	1.46"	1.89"	M10*P1.0	3.40	C	
O		HSK-A100-EZ5/8"-3.94"KK	A0C	3.94"	2.80"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	2.40	C	
O		HSK-A100-EZ5/8"-4.72"KK	A0D	4.72"	3.58"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	2.60	C	
O		HSK-A100-EZ5/8"-6.30"KK	A0E	6.30"	3.15"	1.06"	1.34"	1.66"	5/8"	1.57"	2.01"	M12*P1.0	3.00	C	
O		HSK-A100-EZ5/8"-7.87"KK	A0E	7.87"	4.72"	1.06"	1.34"	1.66"	5/8"	1.57"	2.01"	M12*P1.0	3.40	C	
O		HSK-A100-EZ3/4"-4.13"KK	A0C	4.13"	3.00"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	2.60	C	
O		HSK-A100-EZ3/4"-4.72"KK	A0D	4.72"	3.58"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	2.70	C	
O		HSK-A100-EZ3/4"-6.30"KK	A0E	6.30"	3.15"	1.30"	1.62"	1.97"	3/4"	1.65"	2.09"	M12*P1.0	3.10	C	
O		HSK-A100-EZ3/4"-7.87"KK	A0E	7.87"	4.72"	1.30"	1.62"	1.97"	3/4"	1.65"	2.09"	M12*P1.0	3.50	C	
O		HSK-A100-EZ7/8"-4.13"KK	A0C	4.13"	3.00"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	2.60	C	
O		HSK-A100-EZ7/8"-4.72"KK	A0D	4.72"	3.58"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	2.70	C	
O		HSK-A100-EZ7/8"-6.30"KK	A0E	6.30"	3.15"	1.30"	1.62"	1.97"	7/8"	1.65"	2.09"	M16*P1.0	3.10	C	
O		HSK-A100-EZ7/8"-7.87"KK	A0E	7.87"	4.72"	1.30"	1.62"	1.97"	7/8"	1.65"	2.09"	M16*P1.0	3.50	C	
O		HSK-A100-EZ1"-4.53"KK	A0C	4.53"	3.50"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	3.10	C	
O		HSK-A100-EZ1"-6.30"KK	A0E	6.30"	3.15"	1.73"	2.09"	2.45"	1"	1.89"	2.32"	M16*P1.0	3.50	C	
O		HSK-A100-EZ1"-7.87"KK	A0E	7.87"	4.72"	1.73"	2.09"	2.45"	1"	1.89"	2.32"	M16*P1.0	3.90	C	
O		HSK-A100-EZ1 1/4"-4.72"KK	A0C	4.72"	3.70"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	3.10	C	
O		HSK-A100-EZ1 1/4"-6.30"KK	A0E	6.30"	3.15"	1.73"	2.09"	2.45"	1 1/4"	2.05"	2.48"	M16*P1.0	3.50	C	
O		HSK-A100-EZ1 1/4"-7.87"KK	A0E	7.87"	4.72"	1.73"	2.09"	2.45"	1 1/4"	2.05"	2.48"	M16*P1.0	3.90	C	

產品FIG.A0C, A0D & A0E出貨附件為長度調整螺絲BK-EZKK-Mxx*1pc // PRODUCTS IN FIG.A0C, A0D & A0E EQUIP WITH BACK UP SCREW BK-EZKK-Mxx*1PC

產品FIG.A0C, A0D & A0E出貨附件為止水螺絲M3*P0.5-4L*2pc // PRODUCTS IN FIG.A0C, A0D & A0E EQUIP WITH SEAL SCREW M3*P0.5-4L*2PCS

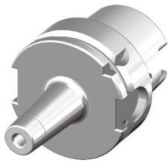
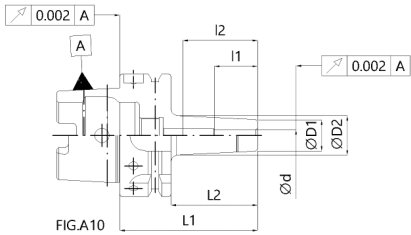
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSR // HSK-A-EZSR

ezShrink SlimRegular 細型熱膨脹燒結刀柄
ezShrink SlimRegular shrink fit chucks



動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
○	HSK-A032-EZ03SR-060	A10	60	40	13	17	-	3	11	-	-	0.20	A	
○	HSK-A032-EZ04SR-060	A10	60	40	14	18	-	4	14	30	-	0.20	A	
○	HSK-A032-EZ05SR-060	A10	60	40	15	19	-	5	17	30	-	0.20	A	
○	HSK-A032-EZ06SR-060	A10	60	40	16	20	-	6	23	40	-	0.30	A	
○	HSK-A032-EZ08SR-060	A10	60	40	18	22	-	8	27	41	-	0.30	A	
○	HSK-A032-EZ10SR-060	A10	60	40	20	24	-	10	31	41	-	0.40	A	
○	HSK-A032-EZ12SR-060	A10	60	40	22	26	-	12	31	41	-	0.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
○	HSK-A040-EZ03SR-060	A10	60	40	13	17	-	3	11	-	-	0.30	A	
○	HSK-A040-EZ04SR-060	A10	60	40	14	18	-	4	14	-	-	0.30	A	
○	HSK-A040-EZ05SR-060	A10	60	40	15	19	-	5	17	30	-	0.30	A	
○	HSK-A040-EZ06SR-060	A10	60	40	16	20	-	6	23	39	-	0.40	A	
○	HSK-A040-EZ08SR-060	A10	60	40	18	22	-	8	27	39	-	0.40	A	
○	HSK-A040-EZ10SR-060	A10	60	40	20	24	-	10	29	39	-	0.50	A	
○	HSK-A040-EZ12SR-060	A10	60	40	22	26	-	12	29	39	-	0.50	A	
○	HSK-A040-EZ14SR-060	A10	60	40	24	28	-	14	29	39	-	0.60	A	
○	HSK-A040-EZ16SR-060	A10	60	40	26	30	-	16	29	39	-	0.60	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
○	HSK-A050-EZ03SR-070	A10	70	44	13	18	-	3	11	-	-	0.50	A	
○	HSK-A050-EZ03SR-100	A10	100	74	13	21	-	3	11	-	-	0.80	A	
○	HSK-A050-EZ04SR-070	A10	70	44	14	19	-	4	14	-	-	0.50	A	
○	HSK-A050-EZ04SR-100	A10	100	74	14	22	-	4	14	-	-	0.80	A	
○	HSK-A050-EZ05SR-070	A10	70	44	15	20	-	5	17	-	-	0.50	A	
○	HSK-A050-EZ05SR-100	A10	100	74	15	23	-	5	17	-	-	0.80	A	
○	HSK-A050-EZ06SR-070	A10	70	44	16	21	-	6	23	-	-	0.60	A	
○	HSK-A050-EZ06SR-100	A10	100	74	16	24	-	6	23	-	-	0.90	A	
○	HSK-A050-EZ08SR-070	A10	70	44	18	23	-	8	27	45	-	0.60	A	
○	HSK-A050-EZ08SR-100	A10	100	74	18	26	-	8	27	60	-	0.90	A	
○	HSK-A050-EZ10SR-070	A10	70	44	20	25	-	10	32	45	-	0.70	A	
○	HSK-A050-EZ10SR-100	A10	100	74	20	28	-	10	32	60	-	1.00	A	
○	HSK-A050-EZ12SR-070	A10	70	44	22	27	-	12	35	45	-	0.70	A	
○	HSK-A050-EZ12SR-100	A10	100	74	22	30	-	12	37	60	-	1.00	A	
○	HSK-A050-EZ14SR-070	A10	70	44	24	29	-	14	35	45	-	0.80	A	
○	HSK-A050-EZ14SR-100	A10	100	74	24	32	-	14	37	75	-	1.10	A	
○	HSK-A050-EZ16SR-070	A10	70	44	26	31	-	16	35	45	-	0.80	A	
○	HSK-A050-EZ16SR-100	A10	100	74	26	34	-	16	40	75	-	1.10	A	
○	HSK-A050-EZ18SR-070	A10	70	44	28	33	-	18	35	45	-	0.90	A	
○	HSK-A050-EZ18SR-100	A10	100	74	28	36	-	18	40	75	-	1.20	A	
○	HSK-A050-EZ20SR-070	A10	70	44	30	35	-	20	35	45	-	0.90	A	
○	HSK-A050-EZ20SR-100	A10	100	74	30	38	-	20	42	75	-	1.20	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		HSK-A063-EZ03SR-070	A10	70	44	13	18	-	3	11	-	-	0.60	A	
◎		HSK-A063-EZ03SR-100	A10	100	74	13	21	-	3	11	-	-	0.90	A	
◎		HSK-A063-EZ04SR-070	A10	70	44	14	19	-	4	14	-	-	0.60	A	
◎		HSK-A063-EZ04SR-100	A10	100	74	14	22	-	4	14	-	-	0.90	A	
◎		HSK-A063-EZ05SR-070	A10	70	44	15	20	-	5	17	-	-	0.60	A	
◎		HSK-A063-EZ05SR-100	A10	100	74	15	23	-	5	17	-	-	0.90	A	
◎		HSK-A063-EZ06SR-070	A10	70	44	16	21	-	6	23	-	-	0.70	A	
◎		HSK-A063-EZ06SR-100	A10	100	74	16	24	-	6	23	-	-	1.00	A	
◎		HSK-A063-EZ08SR-070	A10	70	44	18	23	-	8	27	43	-	0.70	A	
◎		HSK-A063-EZ08SR-100	A10	100	74	18	26	-	8	27	60	-	1.00	A	
◎		HSK-A063-EZ10SR-070	A10	70	44	20	25	-	10	32	43	-	0.80	A	
◎		HSK-A063-EZ10SR-100	A10	100	74	20	28	-	10	32	60	-	1.10	A	
◎		HSK-A063-EZ12SR-070	A10	70	44	22	27	-	12	33	43	-	0.80	A	
◎		HSK-A063-EZ12SR-100	A10	100	74	22	30	-	12	37	60	-	1.10	A	
◎		HSK-A063-EZ14SR-070	A10	70	44	24	29	-	14	33	43	-	0.90	A	
◎		HSK-A063-EZ14SR-100	A10	100	74	24	32	-	14	37	73	-	1.20	A	
◎		HSK-A063-EZ16SR-070	A10	70	44	26	31	-	16	33	43	-	0.90	A	
◎		HSK-A063-EZ16SR-100	A10	100	74	26	34	-	16	40	73	-	1.20	A	
◎		HSK-A063-EZ18SR-070	A10	70	44	28	33	-	18	33	43	-	1.00	A	
◎		HSK-A063-EZ18SR-100	A10	100	74	28	36	-	18	40	73	-	1.30	A	
◎		HSK-A063-EZ20SR-070	A10	70	44	30	35	-	20	33	43	-	1.00	A	
◎		HSK-A063-EZ20SR-100	A10	100	74	30	38	-	20	42	73	-	1.30	A	
◎		HSK-A063-EZ25SR-080	A10	80	54	35	41	-	25	43	53	-	1.50	A	
◎		HSK-A063-EZ25SR-100	A10	100	74	35	43	-	25	48	73	-	1.70	A	
◎		HSK-A063-EZ32SR-080	A10	80	54	42	48	-	32	43	53	-	1.50	A	
◎		HSK-A063-EZ32SR-100	A10	100	74	42	50	-	32	52	73	-	1.70	A	

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ezShrink EZSR // HSK-A-EZSR

ezShrink SlimRegular 細型熱膨脹燒結刀柄
ezShrink SlimRegular shrink fit chucks

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		HSK-A080-EZ03SR-100	A10	100	74	13	21	-	3	11	-	-	1.60	C	
		HSK-A080-EZ04SR-100	A10	100	74	14	22	-	4	14	-	-	1.60	C	
		HSK-A080-EZ05SR-100	A10	100	74	15	23	-	5	17	-	-	1.60	C	
		HSK-A080-EZ06SR-100	A10	100	74	16	24	-	6	23	-	-	1.70	C	
		HSK-A080-EZ08SR-100	A10	100	74	18	26	-	8	27	-	-	1.70	C	
		HSK-A080-EZ10SR-100	A10	100	74	20	28	-	10	32	60	-	1.80	C	
		HSK-A080-EZ12SR-100	A10	100	74	22	30	-	12	37	60	-	1.80	C	
		HSK-A080-EZ14SR-100	A10	100	74	24	32	-	14	37	68	-	1.90	C	
		HSK-A080-EZ16SR-100	A10	100	74	26	34	-	16	40	68	-	1.90	C	
		HSK-A080-EZ18SR-100	A10	100	74	28	36	-	18	40	68	-	2.00	C	
		HSK-A080-EZ20SR-100	A10	100	74	30	38	-	20	42	68	-	2.00	C	
		HSK-A080-EZ25SR-100	A10	100	74	35	43	-	25	48	68	-	2.40	C	
		HSK-A080-EZ32SR-100	A10	100	74	42	50	-	32	52	68	-	2.40	C	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		HSK-A100-EZ03SR-080	A10	80	51	13	18	-	3	11	-	-	2.00	C	
	◎	HSK-A100-EZ03SR-100	A10	100	71	13	20	-	3	11	-	-	2.20	C	
		HSK-A100-EZ04SR-080	A10	80	51	14	19	-	4	14	-	-	2.00	C	
	◎	HSK-A100-EZ04SR-100	A10	100	71	14	21	-	4	14	-	-	2.20	C	
		HSK-A100-EZ05SR-080	A10	80	51	15	20	-	5	17	-	-	2.00	C	
	◎	HSK-A100-EZ05SR-100	A10	100	71	15	22	-	5	17	-	-	2.20	C	
		HSK-A100-EZ06SR-080	A10	80	51	16	21	-	6	23	-	-	2.10	C	
	◎	HSK-A100-EZ06SR-100	A10	100	71	16	23	-	6	23	-	-	2.30	C	
		HSK-A100-EZ08SR-080	A10	80	51	18	23	-	8	27	-	-	2.10	C	
	◎	HSK-A100-EZ08SR-100	A10	100	71	18	25	-	8	27	-	-	2.30	C	
		HSK-A100-EZ10SR-080	A10	80	51	20	25	-	10	32	-	-	2.20	C	
	◎	HSK-A100-EZ10SR-100	A10	100	71	20	27	-	10	32	-	-	2.40	C	
		HSK-A100-EZ12SR-080	A10	80	51	22	27	-	12	36	46	-	2.20	C	
	◎	HSK-A100-EZ12SR-100	A10	100	71	22	29	-	12	37	60	-	2.40	C	
		HSK-A100-EZ14SR-080	A10	80	51	24	29	-	14	36	46	-	2.30	C	
	◎	HSK-A100-EZ14SR-100	A10	100	71	24	31	-	14	37	66	-	2.50	C	
		HSK-A100-EZ16SR-080	A10	80	51	26	31	-	16	36	46	-	2.30	C	
	◎	HSK-A100-EZ16SR-100	A10	100	71	26	33	-	16	40	66	-	2.50	C	
		HSK-A100-EZ18SR-080	A10	80	51	28	33	-	18	36	46	-	2.40	C	
	◎	HSK-A100-EZ18SR-100	A10	100	71	28	35	-	18	40	66	-	2.60	C	
		HSK-A100-EZ20SR-080	A10	80	51	30	35	-	20	36	46	-	2.40	C	
	◎	HSK-A100-EZ20SR-100	A10	100	71	30	37	-	20	42	66	-	2.60	C	
	◎	HSK-A100-EZ25SR-100	A10	100	71	35	42	-	25	48	66	-	3.00	C	
	◎	HSK-A100-EZ32SR-100	A10	100	71	42	49	-	32	52	66	-	3.00	C	

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-A032-EZ1/8"SR-2.36"	A10	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.20	A	
	HSK-A032-EZ3/16"SR-2.36"	A10	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.18"	-	0.20	A	
	HSK-A032-EZ1/4"SR-2.36"	A10	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.57"	-	0.30	A	
	HSK-A032-EZ5/16"SR-2.36"	A10	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	1.61"	-	0.30	A	
	HSK-A032-EZ3/8"SR-2.36"	A10	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.22"	1.61"	-	0.40	A	
	HSK-A032-EZ7/16"SR-2.36"	A10	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.22"	1.61"	-	0.40	A	
	HSK-A032-EZ1/2"SR-2.36"	A10	2.36"	1.57"	0.90"	1.06"	-	1/2"	1.22"	1.61"	-	0.50	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-A040-EZ1/8"SR-2.36"	A10	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.30	A	
	HSK-A040-EZ3/16"SR-2.36"	A10	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.18"	-	0.30	A	
	HSK-A040-EZ1/4"SR-2.36"	A10	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.54"	-	0.40	A	
	HSK-A040-EZ5/16"SR-2.36"	A10	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	1.54"	-	0.40	A	
	HSK-A040-EZ3/8"SR-2.36"	A10	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.14"	1.54"	-	0.50	A	
	HSK-A040-EZ7/16"SR-2.36"	A10	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.14"	1.54"	-	0.50	A	
	HSK-A040-EZ1/2"SR-2.36"	A10	2.36"	1.57"	0.90"	1.06"	-	1/2"	1.14"	1.54"	-	0.60	A	
	HSK-A040-EZ5/8"SR-2.36"	A10	2.36"	1.57"	1.02"	1.18"	-	5/8"	1.14"	1.54"	-	0.60	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-A050-EZ1/8"SR-2.76"	A10	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.50	A	
	HSK-A050-EZ1/8"SR-3.94"	A10	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.80	A	
	HSK-A050-EZ3/16"SR-2.76"	A10	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.50	A	
	HSK-A050-EZ3/16"SR-3.94"	A10	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.80	A	
	HSK-A050-EZ1/4"SR-2.76"	A10	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.60	A	
	HSK-A050-EZ1/4"SR-3.94"	A10	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	0.90	A	
	HSK-A050-EZ5/16"SR-2.76"	A10	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.77"	-	0.60	A	
	HSK-A050-EZ5/16"SR-3.94"	A10	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	0.90	A	
	HSK-A050-EZ3/8"SR-2.76"	A10	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.77"	-	0.70	A	
	HSK-A050-EZ3/8"SR-3.94"	A10	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.00	A	
	HSK-A050-EZ7/16"SR-2.76"	A10	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.77"	-	0.70	A	
	HSK-A050-EZ7/16"SR-3.94"	A10	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.00	A	
	HSK-A050-EZ1/2"SR-2.76"	A10	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.38"	1.77"	-	0.80	A	
	HSK-A050-EZ1/2"SR-3.94"	A10	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.10	A	
	HSK-A050-EZ5/8"SR-2.76"	A10	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.38"	1.77"	-	0.80	A	
	HSK-A050-EZ5/8"SR-3.94"	A10	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.36"	-	1.10	A	
	HSK-A050-EZ3/4"SR-2.76"	A10	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.38"	1.77"	-	0.90	A	
	HSK-A050-EZ3/4"SR-3.94"	A10	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	3.07"	-	1.20	A	
	HSK-A050-EZ7/8"SR-2.76"	A10	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.38"	1.77"	-	0.90	A	
	HSK-A050-EZ7/8"SR-3.94"	A10	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	3.07"	-	1.20	A	

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ezShrink EZSR // HSK-A-EZSR inch

ezShrink SlimRegular 細型熱膨脹燒結刀柄-英制
ezShrink SlimRegular shrink fit chucks-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		HSK-A063-EZ1/8"SR-2.76"	A10	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.60	A	
		HSK-A063-EZ1/8"SR-3.94"	A10	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.90	A	
		HSK-A063-EZ3/16"SR-2.76"	A10	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.60	A	
		HSK-A063-EZ3/16"SR-3.94"	A10	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.90	A	
		HSK-A063-EZ1/4"SR-2.76"	A10	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.70	A	
		HSK-A063-EZ1/4"SR-3.94"	A10	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.00	A	
		HSK-A063-EZ5/16"SR-2.76"	A10	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.69"	-	0.70	A	
		HSK-A063-EZ5/16"SR-3.94"	A10	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	1.00	A	
		HSK-A063-EZ3/8"SR-2.76"	A10	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.69"	-	0.80	A	
		HSK-A063-EZ3/8"SR-3.94"	A10	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.10	A	
		HSK-A063-EZ7/16"SR-2.76"	A10	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.69"	-	0.80	A	
		HSK-A063-EZ7/16"SR-3.94"	A10	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.10	A	
		HSK-A063-EZ1/2"SR-2.76"	A10	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.30"	1.69"	-	0.90	A	
		HSK-A063-EZ1/2"SR-3.94"	A10	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.20	A	
		HSK-A063-EZ5/8"SR-2.76"	A10	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.30"	1.69"	-	0.90	A	
		HSK-A063-EZ5/8"SR-3.94"	A10	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.87"	-	1.20	A	
		HSK-A063-EZ3/4"SR-2.76"	A10	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.30"	1.69"	-	1.00	A	
		HSK-A063-EZ3/4"SR-3.94"	A10	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.87"	-	1.30	A	
		HSK-A063-EZ7/8"SR-2.76"	A10	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.30"	1.69"	-	1.00	A	
		HSK-A063-EZ7/8"SR-3.94"	A10	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.87"	-	1.30	A	
		HSK-A063-EZ1"SR-3.15"	A10	3.15"	2.13"	1.40"	1.60"	-	1"	1.69"	2.09"	-	1.50	A	
		HSK-A063-EZ1"SR-3.94"	A10	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.87"	-	1.70	A	
		HSK-A063-EZ1 1/4"SR-3.15"	A10	3.15"	2.13"	1.64"	1.84"	-	1 1/4"	1.69"	2.09"	-	1.50	A	
		HSK-A063-EZ1 1/4"SR-3.94"	A10	3.94"	2.91"	1.64"	1.96"	-	1 1/4"	2.05"	2.87"	-	1.70	A	

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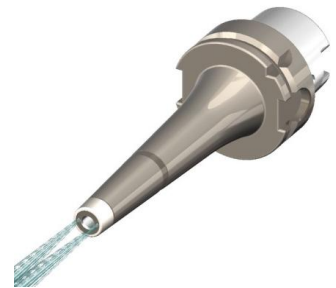
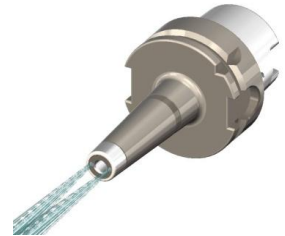
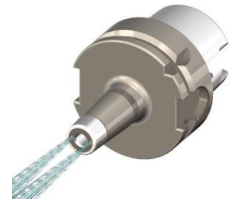
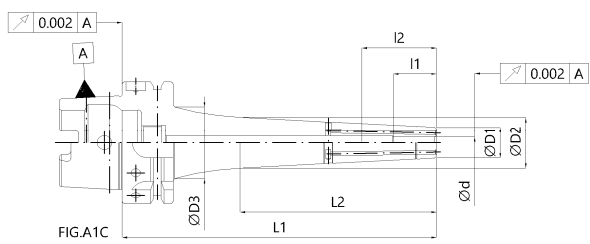
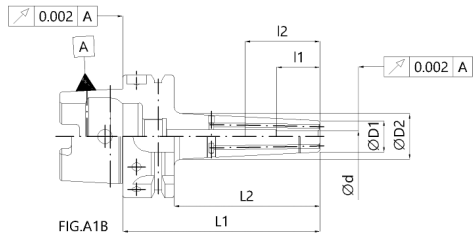
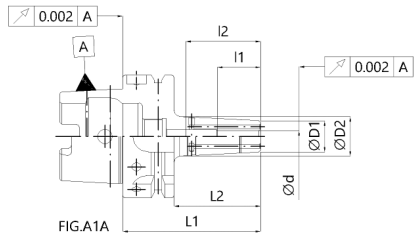
動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-A080-EZ1/8"SR-3.94"	A10	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	1.60	C	
	HSK-A080-EZ3/16"SR-3.94"	A10	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	1.60	C	
	HSK-A080-EZ1/4"SR-3.94"	A10	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.70	C	
	HSK-A080-EZ5/16"SR-3.94"	A10	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	-	-	1.70	C	
	HSK-A080-EZ3/8"SR-3.94"	A10	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.80	C	
	HSK-A080-EZ7/16"SR-3.94"	A10	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.80	C	
	HSK-A080-EZ1/2"SR-3.94"	A10	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.90	C	
	HSK-A080-EZ5/8"SR-3.94"	A10	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.68"	-	1.90	C	
	HSK-A080-EZ3/4"SR-3.94"	A10	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.68"	-	2.00	C	
	HSK-A080-EZ7/8"SR-3.94"	A10	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.68"	-	2.00	C	
	HSK-A080-EZ1"SR-3.94"	A10	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.68"	-	2.40	C	
	HSK-A080-EZ1 1/4"SR-3.94"	A10	3.94"	2.91"	1.64"	1.96"	-	1 1/4"	2.05"	2.68"	-	2.40	C	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-A100-EZ1/8"SR-3.15"	A10	3.15"	2.01"	0.52"	0.72"	-	1/8"	0.43"	-	-	2.00	C	
	HSK-A100-EZ1/8"SR-3.94"	A10	3.94"	2.80"	0.52"	0.80"	-	1/8"	0.43"	-	-	2.20	C	
	HSK-A100-EZ3/16"SR-3.15"	A10	3.15"	2.01"	0.59"	0.79"	-	3/16"	0.55"	-	-	2.00	C	
	HSK-A100-EZ3/16"SR-3.94"	A10	3.94"	2.80"	0.59"	0.87"	-	3/16"	0.55"	-	-	2.20	C	
	HSK-A100-EZ1/4"SR-3.15"	A10	3.15"	2.01"	0.65"	0.85"	-	1/4"	0.91"	-	-	2.10	C	
	HSK-A100-EZ1/4"SR-3.94"	A10	3.94"	2.80"	0.65"	0.93"	-	1/4"	0.91"	-	-	2.30	C	
	HSK-A100-EZ5/16"SR-3.15"	A10	3.15"	2.01"	0.71"	0.91"	-	5/16"	1.06"	-	-	2.10	C	
	HSK-A100-EZ5/16"SR-3.94"	A10	3.94"	2.80"	0.71"	0.99"	-	5/16"	1.06"	-	-	2.30	C	
	HSK-A100-EZ3/8"SR-3.15"	A10	3.15"	2.01"	0.77"	0.97"	-	3/8"	1.26"	-	-	2.20	C	
	HSK-A100-EZ3/8"SR-3.94"	A10	3.94"	2.80"	0.77"	1.05"	-	3/8"	1.26"	-	-	2.40	C	
	HSK-A100-EZ7/16"SR-3.15"	A10	3.15"	2.01"	0.84"	1.04"	-	7/16"	1.26"	-	-	2.20	C	
	HSK-A100-EZ7/16"SR-3.94"	A10	3.94"	2.80"	0.84"	1.12"	-	7/16"	1.26"	-	-	2.40	C	
	HSK-A100-EZ1/2"SR-3.15"	A10	3.15"	2.01"	0.90"	1.10"	-	1/2"	1.42"	1.81"	-	2.30	C	
	HSK-A100-EZ1/2"SR-3.94"	A10	3.94"	2.80"	0.90"	1.18"	-	1/2"	1.46"	2.60"	-	2.50	C	
	HSK-A100-EZ5/8"SR-3.15"	A10	3.15"	2.01"	1.02"	1.22"	-	5/8"	1.42"	1.81"	-	2.30	C	
	HSK-A100-EZ5/8"SR-3.94"	A10	3.94"	2.80"	1.02"	1.30"	-	5/8"	1.57"	2.60"	-	2.50	C	
	HSK-A100-EZ3/4"SR-3.15"	A10	3.15"	2.01"	1.15"	1.35"	-	3/4"	1.42"	1.81"	-	2.40	C	
	HSK-A100-EZ3/4"SR-3.94"	A10	3.94"	2.80"	1.15"	1.43"	-	3/4"	1.65"	2.60"	-	2.60	C	
	HSK-A100-EZ7/8"SR-3.15"	A10	3.15"	2.01"	1.27"	1.47"	-	7/8"	1.42"	1.81"	-	2.40	C	
	HSK-A100-EZ7/8"SR-3.94"	A10	3.94"	2.80"	1.27"	1.55"	-	7/8"	1.65"	2.60"	-	2.60	C	
	HSK-A100-EZ1"SR-3.94"	A10	3.94"	2.80"	1.40"	1.68"	-	1"	1.89"	2.60"	-	3.00	C	
	HSK-A100-EZ1 1/4"SR-3.94"	A10	3.94"	2.80"	1.64"	1.92"	-	1 1/4"	2.05"	2.60"	-	3.00	C	

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ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄

ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose



動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○	RF HSK-A032-EZ03SR-060KZ	A1A	60	40	13	17	-	3	11	-	-	0.20	A	
○	RF HSK-A032-EZ03SR-080KK	A1B	80	60	13	19	-	3	11	-	-	0.40	A	
○	RF HSK-A032-EZ03SR-120KK	A1B	120	100	13	23	-	3	11	-	-	0.80	A	
○	RF HSK-A032-EZ04SR-060KZ	A1A	60	40	14	18	-	4	14	30	-	0.20	A	
○	RF HSK-A032-EZ04SR-080KK	A1B	80	60	14	20	-	4	14	30	-	0.40	A	
○	RF HSK-A032-EZ04SR-120KK	A1B	120	100	14	24	-	4	14	30	-	0.80	A	
○	RF HSK-A032-EZ05SR-060KZ	A1A	60	40	15	19	-	5	17	30	-	0.20	A	
○	RF HSK-A032-EZ05SR-080KK	A1B	80	60	15	21	-	5	17	30	-	0.40	A	
○	RF HSK-A032-EZ05SR-120KK	A1B	120	100	15	25	-	5	17	30	-	0.80	A	
○	RF HSK-A032-EZ06SR-060KZ	A1A	60	40	16	20	-	6	23	40	-	0.30	A	
○	RF HSK-A032-EZ06SR-080KK	A1B	80	60	16	22	-	6	23	40	-	0.50	A	
○	RF HSK-A032-EZ06SR-120KK	A1B	120	100	16	26	-	6	23	40	-	0.90	A	
○	RF HSK-A032-EZ08SR-060KZ	A1A	60	40	18	22	-	8	27	41	-	0.30	A	
○	RF HSK-A032-EZ08SR-080KK	A1B	80	60	18	24	-	8	27	60	-	0.50	A	
○	RF HSK-A032-EZ08SR-120KK	A1B	120	100	18	26	-	8	27	60	-	0.90	A	
○	RF HSK-A032-EZ10SR-060KK	A1A	60	40	20	24	-	10	31	41	-	0.40	A	
○	RF HSK-A032-EZ10SR-080KK	A1B	80	60	20	26	-	10	32	60	-	0.60	A	
○	RF HSK-A032-EZ10SR-120KK	A1B	120	100	20	26	-	10	32	60	-	1.00	A	
○	RF HSK-A032-EZ12SR-060KZ	A1A	60	40	22	26	-	12	31	41	-	0.40	A	
○	RF HSK-A032-EZ12SR-080KK	A1B	80	60	22	26	-	12	37	60	-	0.60	A	
○	RF HSK-A032-EZ12SR-120KK	A1B	120	100	22	26	-	12	37	60	-	1.00	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○	RF HSK-A040-EZ03SR-060KZ	A1A	60	40	13	17	-	3	11	-	-	0.30	A	
○	RF HSK-A040-EZ03SR-080KK	A1B	80	60	13	19	-	3	11	-	-	0.50	A	
○	RF HSK-A040-EZ03SR-120KK	A1B	120	100	13	23	-	3	11	-	-	0.90	A	
○	RF HSK-A040-EZ04SR-060KZ	A1A	60	40	14	18	-	4	14	-	-	0.30	A	
○	RF HSK-A040-EZ04SR-080KK	A1B	80	60	14	20	-	4	14	-	-	0.50	A	
○	RF HSK-A040-EZ04SR-120KK	A1B	120	100	14	24	-	4	14	-	-	0.90	A	
○	RF HSK-A040-EZ05SR-060KZ	A1A	60	40	15	19	-	5	17	30	-	0.30	A	
○	RF HSK-A040-EZ05SR-080KK	A1B	80	60	15	21	-	5	17	30	-	0.50	A	
○	RF HSK-A040-EZ05SR-120KK	A1B	120	100	15	25	-	5	17	30	-	0.90	A	
○	RF HSK-A040-EZ06SR-060KZ	A1A	60	40	16	20	-	6	23	39	-	0.40	A	
○	RF HSK-A040-EZ06SR-080KK	A1B	80	60	16	22	-	6	23	40	-	0.60	A	
○	RF HSK-A040-EZ06SR-120KK	A1B	120	100	16	26	-	6	23	40	-	1.00	A	
○	RF HSK-A040-EZ08SR-060KZ	A1A	60	40	18	22	-	8	27	39	-	0.40	A	
○	RF HSK-A040-EZ08SR-080KK	A1B	80	60	18	24	-	8	27	59	-	0.60	A	
○	RF HSK-A040-EZ08SR-120KK	A1B	120	100	18	28	-	8	27	60	-	1.00	A	
○	RF HSK-A040-EZ10SR-060KZ	A1A	60	40	20	24	-	10	29	39	-	0.50	A	
○	RF HSK-A040-EZ10SR-080KK	A1B	80	60	20	26	-	10	32	59	-	0.70	A	
○	RF HSK-A040-EZ10SR-120KK	A1B	120	100	20	30	-	10	32	60	-	1.10	A	
○	RF HSK-A040-EZ12SR-060KZ	A1A	60	40	22	26	-	12	29	39	-	0.50	A	
○	RF HSK-A040-EZ12SR-080KK	A1B	80	60	22	28	-	12	37	59	-	0.70	A	
○	RF HSK-A040-EZ12SR-120KK	A1B	120	100	22	32	-	12	37	60	-	1.10	A	
○	RF HSK-A040-EZ14SR-060KZ	A1A	60	40	24	28	-	14	29	39	-	0.60	A	
○	RF HSK-A040-EZ14SR-080KK	A1B	80	60	24	30	-	14	37	59	-	0.80	A	
○	RF HSK-A040-EZ14SR-120KK	A1B	120	100	24	34	-	14	37	80	-	1.20	A	
○	RF HSK-A040-EZ16SR-060KZ	A1A	60	40	26	30	-	16	29	39	-	0.60	A	
○	RF HSK-A040-EZ16SR-080KK	A1B	80	60	26	32	-	16	40	59	-	0.80	A	
○	RF HSK-A040-EZ16SR-120KK	A1B	120	100	26	34	-	16	40	80	-	1.20	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSRKK // RF HSK-A-EZSRKK

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-A050-EZ03SR-070KZ	A1A	70	44	13	18	-	3	11	-	-	0.50	A	
○		RF HSK-A050-EZ03SR-100KK	A1B	100	74	13	21	-	3	11	-	-	0.80	A	
○		RF HSK-A050-EZ03SR-120KK	A1B	120	94	13	23	-	3	11	-	-	1.00	A	
○		RF HSK-A050-EZ03SR-160KK	A1C	160	100	13	24	35	3	11	-	-	1.40	A	
○		RF HSK-A050-EZ04SR-070KZ	A1A	70	44	14	19	-	4	14	-	-	0.50	A	
○		RF HSK-A050-EZ04SR-100KK	A1B	100	74	14	22	-	4	14	-	-	0.80	A	
○		RF HSK-A050-EZ04SR-120KK	A1B	120	94	14	24	-	4	14	-	-	1.00	A	
○		RF HSK-A050-EZ04SR-160KK	A1C	160	100	14	25	36	4	14	-	-	1.40	A	
○		RF HSK-A050-EZ05SR-070KZ	A1A	70	44	15	20	-	5	17	-	-	0.50	A	
○		RF HSK-A050-EZ05SR-100KK	A1B	100	74	15	23	-	5	17	-	-	0.80	A	
○		RF HSK-A050-EZ05SR-120KK	A1B	120	94	15	25	-	5	17	-	-	1.00	A	
○		RF HSK-A050-EZ05SR-160KK	A1C	160	100	15	26	37	5	17	-	-	1.40	A	
○		RF HSK-A050-EZ06SR-070KZ	A1A	70	44	16	21	-	6	23	-	-	0.60	A	
○		RF HSK-A050-EZ06SR-100KK	A1B	100	74	16	24	-	6	23	-	-	0.90	A	
○		RF HSK-A050-EZ06SR-120KK	A1B	120	94	16	26	-	6	23	-	-	1.10	A	
○		RF HSK-A050-EZ06SR-160KK	A1C	160	100	16	27	38	6	23	-	-	1.50	A	
○		RF HSK-A050-EZ08SR-070KZ	A1A	70	44	18	23	-	8	27	45	-	0.60	A	
○		RF HSK-A050-EZ08SR-100KK	A1B	100	74	18	26	-	8	27	60	-	0.90	A	
○		RF HSK-A050-EZ08SR-120KK	A1B	120	94	18	28	-	8	27	60	-	1.10	A	
○		RF HSK-A050-EZ08SR-160KK	A1C	160	100	18	29	39	8	27	60	-	1.50	A	
○		RF HSK-A050-EZ10SR-070KZ	A1A	70	44	20	25	-	10	32	45	-	0.70	A	
○		RF HSK-A050-EZ10SR-100KK	A1B	100	74	20	28	-	10	32	60	-	1.00	A	
○		RF HSK-A050-EZ10SR-120KK	A1B	120	94	20	30	-	10	32	60	-	1.20	A	
○		RF HSK-A050-EZ10SR-160KK	A1C	160	100	20	31	40	10	32	60	-	1.60	A	
○		RF HSK-A050-EZ12SR-070KZ	A1A	70	44	22	27	-	12	35	45	-	0.70	A	
○		RF HSK-A050-EZ12SR-100KK	A1B	100	74	22	30	-	12	37	60	-	1.00	A	
○		RF HSK-A050-EZ12SR-120KK	A1B	120	94	22	32	-	12	37	60	-	1.20	A	
○		RF HSK-A050-EZ12SR-160KK	A1C	160	100	22	33	41	12	37	60	-	1.60	A	
○		RF HSK-A050-EZ14SR-070KZ	A1A	70	44	24	29	-	14	35	45	-	0.80	A	
○		RF HSK-A050-EZ14SR-100KK	A1B	100	74	24	32	-	14	37	75	-	1.10	A	
○		RF HSK-A050-EZ14SR-120KK	A1B	120	94	24	34	-	14	37	80	-	1.30	A	
○		RF HSK-A050-EZ14SR-160KK	A1B	160	134	24	35	-	14	37	80	-	1.70	A	
○		RF HSK-A050-EZ16SR-070KZ	A1A	70	44	26	31	-	16	35	45	-	0.80	A	
○		RF HSK-A050-EZ16SR-100KK	A1B	100	74	26	34	-	16	40	75	-	1.10	A	
○		RF HSK-A050-EZ16SR-120KK	A1B	120	94	26	36	-	16	40	80	-	1.30	A	
○		RF HSK-A050-EZ16SR-160KK	A1B	160	134	26	40	-	16	40	80	-	1.70	A	
○		RF HSK-A050-EZ18SR-070KZ	A1A	70	44	28	33	-	18	35	45	-	0.90	A	
○		RF HSK-A050-EZ18SR-100KK	A1B	100	74	28	36	-	18	40	75	-	1.20	A	
○		RF HSK-A050-EZ18SR-120KK	A1B	120	94	28	38	-	18	40	80	-	1.40	A	
○		RF HSK-A050-EZ18SR-160KK	A1B	160	134	28	42	-	18	40	80	-	1.80	A	
○		RF HSK-A050-EZ20SR-070KZ	A1A	70	44	30	35	-	20	35	45	-	0.90	A	
○		RF HSK-A050-EZ20SR-100KK	A1B	100	74	30	38	-	20	42	75	-	1.20	A	
○		RF HSK-A050-EZ20SR-120KK	A1B	120	94	30	40	-	20	42	80	-	1.40	A	
○		RF HSK-A050-EZ20SR-160KK	A1B	160	134	30	42	-	20	42	80	-	1.80	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		RF HSK-A063-EZ03SR-070KZ	A1A	70	44	13	18	-	3	11	-	-	0.60	A	
◎		RF HSK-A063-EZ03SR-100KK	A1B	100	74	13	21	-	3	11	-	-	0.90	A	
◎		RF HSK-A063-EZ03SR-120KK	A1B	120	94	13	23	-	3	11	-	-	1.10	A	
◎		RF HSK-A063-EZ03SR-160KK	A1C	160	100	13	24	35	3	11	-	-	1.50	A	
○		RF HSK-A063-EZ03SR-200KK	A1C	200	100	13	24	41	3	11	-	-	1.90	A	
◎		RF HSK-A063-EZ04SR-070KZ	A1A	70	44	14	19	-	4	14	-	-	0.60	A	
◎		RF HSK-A063-EZ04SR-100KK	A1B	100	74	14	22	-	4	14	-	-	0.90	A	
◎		RF HSK-A063-EZ04SR-120KK	A1B	120	94	14	24	-	4	14	-	-	1.10	A	
◎		RF HSK-A063-EZ04SR-160KK	A1C	160	100	14	25	36	4	14	-	-	1.50	A	
○		RF HSK-A063-EZ04SR-200KK	A1C	200	100	14	25	42	4	14	-	-	1.90	A	
◎		RF HSK-A063-EZ05SR-070KZ	A1A	70	44	15	20	-	5	17	-	-	0.60	A	
◎		RF HSK-A063-EZ05SR-100KK	A1B	100	74	15	23	-	5	17	-	-	0.90	A	
◎		RF HSK-A063-EZ05SR-120KK	A1B	120	94	15	25	-	5	17	-	-	1.10	A	
◎		RF HSK-A063-EZ05SR-160KK	A1C	160	100	15	26	37	5	17	-	-	1.50	A	
○		RF HSK-A063-EZ05SR-200KK	A1C	200	100	15	26	43	5	17	-	-	1.90	A	
◎		RF HSK-A063-EZ06SR-070KZ	A1A	70	44	16	21	-	6	23	-	-	0.70	A	
◎		RF HSK-A063-EZ06SR-100KK	A1B	100	74	16	24	-	6	23	-	-	1.00	A	
◎		RF HSK-A063-EZ06SR-120KK	A1B	120	94	16	26	-	6	23	-	-	1.20	A	
◎		RF HSK-A063-EZ06SR-160KK	A1C	160	100	16	27	38	6	23	-	-	1.60	A	
○		RF HSK-A063-EZ06SR-200KK	A1C	200	100	16	27	44	6	23	-	-	2.00	A	
◎		RF HSK-A063-EZ08SR-070KZ	A1A	70	44	18	23	-	8	27	43	-	0.70	A	
◎		RF HSK-A063-EZ08SR-100KK	A1B	100	74	18	26	-	8	27	60	-	1.00	A	
◎		RF HSK-A063-EZ08SR-120KK	A1B	120	94	18	28	-	8	27	60	-	1.20	A	
◎		RF HSK-A063-EZ08SR-160KK	A1C	160	100	18	29	39	8	27	60	-	1.60	A	
○		RF HSK-A063-EZ08SR-200KK	A1C	200	100	18	29	44	8	27	60	-	2.00	A	
◎		RF HSK-A063-EZ10SR-070KZ	A1A	70	44	20	25	-	10	32	43	-	0.80	A	
◎		RF HSK-A063-EZ10SR-100KK	A1B	100	74	20	28	-	10	32	60	-	1.10	A	
◎		RF HSK-A063-EZ10SR-120KK	A1B	120	94	20	30	-	10	32	60	-	1.30	A	
◎		RF HSK-A063-EZ10SR-160KK	A1C	160	100	20	31	40	10	32	60	-	1.70	A	
○		RF HSK-A063-EZ10SR-200KK	A1C	200	100	20	31	45	10	32	60	-	2.10	A	
◎		RF HSK-A063-EZ12SR-070KZ	A1A	70	44	22	27	-	12	33	43	-	0.80	A	
◎		RF HSK-A063-EZ12SR-100KK	A1B	100	74	22	30	-	12	37	60	-	1.10	A	
◎		RF HSK-A063-EZ12SR-120KK	A1B	120	94	22	32	-	12	37	60	-	1.30	A	
◎		RF HSK-A063-EZ12SR-160KK	A1C	160	100	22	33	41	12	37	60	-	1.70	A	
○		RF HSK-A063-EZ12SR-200KK	A1C	200	100	22	33	45	12	37	60	-	2.10	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSRKK // RF HSK-A-EZSRKK

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎		RF HSK-A063-EZ14SR-070KZ	A1A	70	44	24	29	-	14	33	43	-	0.90	A	
◎		RF HSK-A063-EZ14SR-100KK	A1B	100	74	24	32	-	14	37	73	-	1.20	A	
◎		RF HSK-A063-EZ14SR-120KK	A1B	120	94	24	34	-	14	37	80	-	1.40	A	
◎		RF HSK-A063-EZ14SR-160KK	A1C	160	100	24	35	42	14	37	80	-	1.80	A	
○		RF HSK-A063-EZ14SR-200KK	A1B	200	174	24	42	-	14	37	80	-	2.20	A	
◎		RF HSK-A063-EZ16SR-070KZ	A1A	70	44	26	31	-	16	33	43	-	0.90	A	
◎		RF HSK-A063-EZ16SR-100KK	A1B	100	74	26	34	-	16	40	73	-	1.20	A	
◎		RF HSK-A063-EZ16SR-120KK	A1B	120	94	26	36	-	16	40	80	-	1.40	A	
◎		RF HSK-A063-EZ16SR-160KK	A1C	160	100	26	37	42	16	40	80	-	1.80	A	
○		RF HSK-A063-EZ16SR-200KK	A1B	200	174	26	44	-	16	40	80	-	2.20	A	
◎		RF HSK-A063-EZ18SR-070KZ	A1A	70	44	28	33	-	18	33	43	-	1.00	A	
◎		RF HSK-A063-EZ18SR-100KK	A1B	100	74	28	36	-	18	40	73	-	1.30	A	
◎		RF HSK-A063-EZ18SR-120KK	A1B	120	94	28	38	-	18	40	80	-	1.50	A	
◎		RF HSK-A063-EZ18SR-160KK	A1B	160	134	28	42	-	18	40	80	-	1.90	A	
○		RF HSK-A063-EZ18SR-200KK	A1B	200	174	28	46	-	18	40	80	-	2.30	A	
◎		RF HSK-A063-EZ20SR-070KZ	A1A	70	44	30	35	-	20	33	43	-	1.00	A	
◎		RF HSK-A063-EZ20SR-100KK	A1B	100	74	30	38	-	20	42	73	-	1.30	A	
◎		RF HSK-A063-EZ20SR-120KK	A1B	120	94	30	40	-	20	42	80	-	1.50	A	
◎		RF HSK-A063-EZ20SR-160KK	A1B	160	134	30	44	-	20	42	80	-	1.90	A	
○		RF HSK-A063-EZ20SR-200KK	A1B	200	174	30	48	-	20	42	80	-	2.30	A	
◎		RF HSK-A063-EZ25SR-080KZ	A1A	80	54	35	41	-	25	43	53	-	1.50	A	
◎		RF HSK-A063-EZ25SR-100KK	A1B	100	74	35	43	-	25	48	73	-	1.70	A	
◎		RF HSK-A063-EZ25SR-120KK	A1B	120	94	35	45	-	25	48	93	-	1.90	A	
◎		RF HSK-A063-EZ25SR-160KK	A1B	160	134	35	49	-	25	48	100	-	2.30	A	
○		RF HSK-A063-EZ25SR-200KK	A1B	200	174	35	52	-	25	48	100	-	2.70	A	
◎		RF HSK-A063-EZ32SR-080KZ	A1A	80	54	42	48	-	32	43	53	-	1.50	A	
◎		RF HSK-A063-EZ32SR-100KK	A1B	100	74	42	50	-	32	52	73	-	1.70	A	
◎		RF HSK-A063-EZ32SR-120KK	A1B	120	94	42	52	-	32	52	93	-	1.90	A	
◎		RF HSK-A063-EZ32SR-160KK	A1B	160	134	42	54	-	32	52	100	-	2.30	A	
○		RF HSK-A063-EZ32SR-200KK	A1B	200	174	42	58	-	32	52	100	-	2.70	A	

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A080-EZ03SR-100KZ	A1A	100	74	13	21	-	3	11	-	-	1.60	C	
		RF HSK-A080-EZ03SR-120KK	A1B	120	94	13	23	-	3	11	-	-	1.80	C	
		RF HSK-A080-EZ03SR-160KK	A1C	160	100	13	24	35	3	11	-	-	2.20	C	
		RF HSK-A080-EZ04SR-100KZ	A1A	100	74	14	22	-	4	14	-	-	1.60	C	
		RF HSK-A080-EZ04SR-120KK	A1B	120	94	14	24	-	4	14	-	-	1.80	C	
		RF HSK-A080-EZ04SR-160KK	A1C	160	100	14	25	36	4	14	-	-	2.20	C	
		RF HSK-A080-EZ05SR-100KZ	A1A	100	74	15	23	-	5	17	-	-	1.60	C	
		RF HSK-A080-EZ05SR-120KK	A1B	120	94	15	25	-	5	17	-	-	1.80	C	
		RF HSK-A080-EZ05SR-160KK	A1C	160	100	15	26	37	5	17	-	-	2.20	C	
		RF HSK-A080-EZ06SR-100KZ	A1A	100	74	16	24	-	6	23	-	-	1.70	C	
		RF HSK-A080-EZ06SR-120KK	A1B	120	94	16	26	-	6	23	-	-	1.90	C	
		RF HSK-A080-EZ06SR-160KK	A1C	160	100	16	27	38	6	23	-	-	2.30	C	
		RF HSK-A080-EZ08SR-100KZ	A1A	100	74	18	26	-	8	27	-	-	1.70	C	
		RF HSK-A080-EZ08SR-120KK	A1B	120	94	18	28	-	8	27	-	-	1.90	C	
		RF HSK-A080-EZ08SR-160KK	A1C	160	100	18	29	39	8	27	-	-	2.30	C	
		RF HSK-A080-EZ10SR-100KZ	A1A	100	74	20	28	-	10	32	60	-	1.80	C	
		RF HSK-A080-EZ10SR-120KK	A1B	120	94	20	30	-	10	32	60	-	2.00	C	
		RF HSK-A080-EZ10SR-160KK	A1C	160	100	20	31	40	10	32	60	-	2.40	C	
		RF HSK-A080-EZ12SR-100KZ	A1A	100	74	22	30	-	12	37	60	-	1.80	C	
		RF HSK-A080-EZ12SR-120KK	A1B	120	94	22	32	-	12	37	60	-	2.00	C	
		RF HSK-A080-EZ12SR-160KK	A1C	160	100	22	33	41	12	37	60	-	2.40	C	
		RF HSK-A080-EZ14SR-100KZ	A1A	100	74	24	32	-	14	37	68	-	1.90	C	
		RF HSK-A080-EZ14SR-120KK	A1B	120	94	24	34	-	14	37	80	-	2.10	C	
		RF HSK-A080-EZ14SR-160KK	A1C	160	100	24	35	42	14	37	80	-	2.50	C	
		RF HSK-A080-EZ16SR-100KZ	A1A	100	74	26	34	-	16	40	68	-	1.90	C	
		RF HSK-A080-EZ16SR-120KK	A1B	120	94	26	36	-	16	40	80	-	2.10	C	
		RF HSK-A080-EZ16SR-160KK	A1C	160	134	26	37	42	16	40	80	-	2.50	C	
		RF HSK-A080-EZ18SR-100KZ	A1A	100	74	28	36	-	18	40	68	-	2.00	C	
		RF HSK-A080-EZ18SR-120KK	A1B	120	94	28	38	-	18	40	80	-	2.20	C	
		RF HSK-A080-EZ18SR-160KK	A1B	160	134	28	42	-	18	40	80	-	2.60	C	
		RF HSK-A080-EZ20SR-100KZ	A1A	100	74	30	38	-	20	40	68	-	2.00	C	
		RF HSK-A080-EZ20SR-120KK	A1B	120	94	30	40	-	20	42	80	-	2.20	C	
		RF HSK-A080-EZ20SR-160KK	A1B	160	134	30	44	-	20	42	80	-	2.60	C	
		RF HSK-A080-EZ25SR-100KK	A1B	100	74	35	43	-	25	48	68	-	2.40	C	
		RF HSK-A080-EZ25SR-120KK	A1B	120	94	35	45	-	25	48	88	-	2.60	C	
		RF HSK-A080-EZ25SR-160KK	A1B	160	134	35	49	-	25	48	100	-	3.00	C	
		RF HSK-A080-EZ32SR-100KK	A1B	100	74	42	50	-	32	52	68	-	2.40	C	
		RF HSK-A080-EZ32SR-120KK	A1B	120	94	42	52	-	32	52	88	-	2.60	C	
		RF HSK-A080-EZ32SR-160KK	A1B	160	134	42	56	-	32	52	100	-	3.00	C	

STOCK ◎=標準在庫品 // STOCK ⊙=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSRKK // RF HSK-A-EZSRKK

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A100-EZ03SR-080KZ	A1A	80	51	13	19	-	3	11	-	-	2.00	C	
◎		RF HSK-A100-EZ03SR-100KK	A1B	100	71	13	21	-	3	11	-	-	2.20	C	
○		RF HSK-A100-EZ03SR-120KK	A1B	120	91	13	23	-	3	11	-	-	2.40	C	
○		RF HSK-A100-EZ03SR-160KK	A1C	160	100	13	24	35	3	11	-	-	2.80	C	
○		RF HSK-A100-EZ03SR-200KK	A1C	200	100	13	24	41	3	11	-	-	3.20	C	
		RF HSK-A100-EZ04SR-080KZ	A1A	80	51	14	20	-	4	14	-	-	2.00	C	
◎		RF HSK-A100-EZ04SR-100KK	A1B	100	71	14	22	-	4	14	-	-	2.20	C	
○		RF HSK-A100-EZ04SR-120KK	A1B	120	91	14	24	-	4	14	-	-	2.40	C	
○		RF HSK-A100-EZ04SR-160KK	A1C	160	100	14	25	36	4	14	-	-	2.80	C	
○		RF HSK-A100-EZ04SR-200KK	A1C	200	100	14	25	42	4	14	-	-	3.20	C	
		RF HSK-A100-EZ05SR-080KZ	A1A	80	51	15	21	-	5	17	-	-	2.00	C	
◎		RF HSK-A100-EZ05SR-100KK	A1B	100	71	15	23	-	5	17	-	-	2.20	C	
○		RF HSK-A100-EZ05SR-120KK	A1B	120	91	15	25	-	5	17	-	-	2.40	C	
○		RF HSK-A100-EZ05SR-160KK	A1C	160	100	15	26	37	5	17	-	-	2.80	C	
○		RF HSK-A100-EZ05SR-200KK	A1C	200	100	15	26	43	5	17	-	-	3.20	C	
		RF HSK-A100-EZ06SR-080KZ	A1A	80	51	16	22	-	6	23	-	-	2.10	C	
◎		RF HSK-A100-EZ06SR-100KK	A1B	100	71	16	24	-	6	23	-	-	2.30	C	
○		RF HSK-A100-EZ06SR-120KK	A1B	120	91	16	26	-	6	23	-	-	2.50	C	
○		RF HSK-A100-EZ06SR-160KK	A1C	160	100	16	27	38	6	23	-	-	2.90	C	
○		RF HSK-A100-EZ06SR-200KK	A1C	200	100	16	27	44	6	23	-	-	3.30	C	
		RF HSK-A100-EZ08SR-080KZ	A1A	80	51	18	24	-	8	27	-	-	2.10	C	
◎		RF HSK-A100-EZ08SR-100KK	A1B	100	71	18	26	-	8	27	-	-	2.30	C	
○		RF HSK-A100-EZ08SR-120KK	A1B	120	91	18	28	-	8	27	-	-	2.50	C	
○		RF HSK-A100-EZ08SR-160KK	A1C	160	100	18	29	39	8	27	-	-	2.90	C	
○		RF HSK-A100-EZ08SR-200KK	A1C	200	100	18	29	44	8	27	-	-	3.30	C	
		RF HSK-A100-EZ10SR-080KZ	A1A	80	51	20	26	-	10	32	-	-	2.20	C	
◎		RF HSK-A100-EZ10SR-100KK	A1B	100	71	20	28	-	10	32	-	-	2.40	C	
○		RF HSK-A100-EZ10SR-120KK	A1B	120	91	20	30	-	10	32	-	-	2.60	C	
○		RF HSK-A100-EZ10SR-160KK	A1C	160	100	20	31	40	10	32	-	-	3.00	C	
○		RF HSK-A100-EZ10SR-200KK	A1B	200	171	20	31	45	10	32	-	-	3.40	C	
		RF HSK-A100-EZ12SR-080KZ	A1A	80	51	22	28	-	12	37	46	-	2.20	C	
◎		RF HSK-A100-EZ12SR-100KK	A1B	100	71	22	30	-	12	37	60	-	2.40	C	
○		RF HSK-A100-EZ12SR-120KK	A1B	120	91	22	32	-	12	37	60	-	2.60	C	
○		RF HSK-A100-EZ12SR-160KK	A1C	160	100	22	33	41	12	37	60	-	3.00	C	
○		RF HSK-A100-EZ12SR-200KK	A1A	200	171	22	33	45	12	37	60	-	3.40	C	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A100-EZ14SR-080KZ	A1A	80	51	24	30	-	14	36	46	-	2.30	C	
◎		RF HSK-A100-EZ14SR-100KK	A1B	100	71	24	32	-	14	37	66	-	2.50	C	
○		RF HSK-A100-EZ14SR-120KK	A1B	120	91	24	34	-	14	37	80	-	2.70	C	
○		RF HSK-A100-EZ14SR-160KK	A1C	160	100	24	35	42	14	37	80	-	3.10	C	
○		RF HSK-A100-EZ14SR-200KK	A1B	200	171	24	42	-	14	37	80	-	3.50	C	
		RF HSK-A100-EZ16SR-080KZ	A1A	80	51	26	32	-	16	36	46	-	2.30	C	
◎		RF HSK-A100-EZ16SR-100KK	A1B	100	71	26	34	-	16	40	66	-	2.50	C	
○		RF HSK-A100-EZ16SR-120KK	A1B	120	91	26	36	-	16	40	80	-	2.70	C	
○		RF HSK-A100-EZ16SR-160KK	A1C	160	100	26	37	42	16	40	80	-	3.10	C	
○		RF HSK-A100-EZ16SR-200KK	A1B	200	171	26	44	-	16	40	80	-	3.50	C	
		RF HSK-A100-EZ18SR-080KZ	A1A	80	51	28	34	-	18	36	46	-	2.40	C	
◎		RF HSK-A100-EZ18SR-100KK	A1B	100	71	28	36	-	18	40	66	-	2.60	C	
○		RF HSK-A100-EZ18SR-120KK	A1B	120	91	28	38	-	18	40	80	-	2.80	C	
○		RF HSK-A100-EZ18SR-160KK	A1B	160	131	28	42	-	18	40	80	-	3.20	C	
○		RF HSK-A100-EZ18SR-200KK	A1B	200	171	28	46	-	18	40	80	-	3.60	C	
		RF HSK-A100-EZ20SR-080KZ	A1A	80	51	30	36	-	20	36	46	-	2.40	C	
◎		RF HSK-A100-EZ20SR-100KK	A1B	100	71	30	38	-	20	42	66	-	2.60	C	
○		RF HSK-A100-EZ20SR-120KK	A1B	120	91	30	40	-	20	42	80	-	2.80	C	
○		RF HSK-A100-EZ20SR-160KK	A1B	160	131	30	44	-	20	42	80	-	3.20	C	
○		RF HSK-A100-EZ20SR-200KK	A1B	200	171	30	48	-	20	42	80	-	3.60	C	
◎		RF HSK-A100-EZ25SR-100KK	A1B	100	71	35	43	-	25	48	66	-	3.00	C	
○		RF HSK-A100-EZ25SR-120KK	A1B	120	91	35	45	-	25	48	86	-	3.20	C	
○		RF HSK-A100-EZ25SR-160KK	A1B	160	131	35	49	-	25	48	100	-	3.60	C	
○		RF HSK-A100-EZ25SR-200KK	A1B	200	171	35	53	-	25	48	100	-	4.00	C	
◎		RF HSK-A100-EZ32SR-100KK	A1B	100	71	42	50	-	32	52	66	-	3.00	C	
○		RF HSK-A100-EZ32SR-120KK	A1B	120	91	42	52	-	32	52	86	-	3.20	C	
○		RF HSK-A100-EZ32SR-160KK	A1B	160	131	42	56	-	32	52	100	-	3.60	C	
○		RF HSK-A100-EZ32SR-200KK	A1B	200	171	42	60	-	32	52	100	-	4.00	C	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSRKK // RF HSK-A-EZSRKK inch

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-A032-EZ1/8"SR-2.36"KZ	A1A	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.20	A	
	RF HSK-A032-EZ1/8"SR-3.15"KK	A1B	3.15"	2.36"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.40	A	
	RF HSK-A032-EZ1/8"SR-4.72"KK	A1B	4.72"	3.94"	0.52"	0.92"	-	1/8"	0.43"	-	-	0.80	A	
	RF HSK-A032-EZ3/16"SR-2.36"KZ	A1A	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.18"	-	0.20	A	
	RF HSK-A032-EZ3/16"SR-3.15"KK	A1B	3.15"	2.36"	0.59"	0.83"	-	3/16"	0.55"	1.18"	-	0.40	A	
	RF HSK-A032-EZ3/16"SR-4.72"KK	A1B	4.72"	3.94"	0.59"	0.99"	-	3/16"	0.55"	1.18"	-	0.80	A	
	RF HSK-A032-EZ1/4"SR-2.36"KZ	A1A	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.57"	-	0.30	A	
	RF HSK-A032-EZ1/4"SR-3.15"KK	A1B	3.15"	2.36"	0.65"	0.89"	-	1/4"	0.91"	1.57"	-	0.50	A	
	RF HSK-A032-EZ1/4"SR-4.72"KK	A1B	4.72"	3.94"	0.65"	1.02"	-	1/4"	0.91"	1.57"	-	0.90	A	
	RF HSK-A032-EZ5/16"SR-2.36"KZ	A1A	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	1.61"	-	0.30	A	
	RF HSK-A032-EZ5/16"SR-3.15"KK	A1B	3.15"	2.36"	0.71"	0.95"	-	5/16"	1.06"	2.36"	-	0.50	A	
	RF HSK-A032-EZ5/16"SR-4.72"KK	A1B	4.72"	3.94"	0.71"	1.02"	-	5/16"	1.06"	2.36"	-	0.90	A	
	RF HSK-A032-EZ3/8"SR-2.36"KZ	A1A	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.22"	1.61"	-	0.40	A	
	RF HSK-A032-EZ3/8"SR-3.15"KK	A1B	3.15"	2.36"	0.77"	1.01"	-	3/8"	1.26"	2.36"	-	0.60	A	
	RF HSK-A032-EZ3/8"SR-4.72"KK	A1B	4.72"	3.94"	0.77"	1.02"	-	3/8"	1.26"	2.36"	-	1.00	A	
	RF HSK-A032-EZ7/16"SR-2.36"KZ	A1A	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.22"	1.61"	-	0.40	A	
	RF HSK-A032-EZ7/16"SR-3.15"KK	A1B	3.15"	2.36"	0.84"	1.02"	-	7/16"	1.26"	2.36"	-	0.60	A	
	RF HSK-A032-EZ7/16"SR-4.72"KK	A1B	4.72"	3.94"	0.84"	1.02"	-	7/16"	1.26"	2.36"	-	1.00	A	
	RF HSK-A032-EZ1/2"SR-2.36"KZ	A1A	2.36"	1.57"	0.90"	1.02"	-	1/2"	1.22"	1.61"	-	0.50	A	
	RF HSK-A032-EZ1/2"SR-3.15"KK	A1B	3.15"	2.36"	0.90"	1.02"	-	1/2"	1.46"	2.36"	-	0.70	A	
	RF HSK-A032-EZ1/2"SR-4.72"KK	A1B	4.72"	3.94"	0.90"	1.02"	-	1/2"	1.46"	2.36"	-	1.10	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-A040-EZ1/8"SR-2.36"KZ	A1A	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.30	A	
	RF HSK-A040-EZ1/8"SR-3.15"KK	A1B	3.15"	2.36"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.50	A	
	RF HSK-A040-EZ1/8"SR-4.72"KK	A1B	4.72"	3.94"	0.52"	0.92"	-	1/8"	0.43"	-	-	0.90	A	
	RF HSK-A040-EZ3/16"SR-2.36"KZ	A1A	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.18"	-	0.30	A	
	RF HSK-A040-EZ3/16"SR-3.15"KK	A1B	3.15"	2.36"	0.59"	0.83"	-	3/16"	0.55"	1.18"	-	0.50	A	
	RF HSK-A040-EZ3/16"SR-4.72"KK	A1B	4.72"	3.94"	0.59"	0.99"	-	3/16"	0.55"	1.18"	-	0.90	A	
	RF HSK-A040-EZ1/4"SR-2.36"KZ	A1A	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.54"	-	0.40	A	
	RF HSK-A040-EZ1/4"SR-3.15"KK	A1B	3.15"	2.36"	0.65"	0.89"	-	1/4"	0.91"	1.57"	-	0.60	A	
	RF HSK-A040-EZ1/4"SR-4.72"KK	A1B	4.72"	3.94"	0.65"	1.05"	-	1/4"	0.91"	1.57"	-	1.00	A	
	RF HSK-A040-EZ5/16"SR-2.36"KZ	A1A	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	1.54"	-	0.40	A	
	RF HSK-A040-EZ5/16"SR-3.15"KK	A1B	3.15"	2.36"	0.71"	0.95"	-	5/16"	1.06"	2.36"	-	0.60	A	
	RF HSK-A040-EZ5/16"SR-4.72"KK	A1B	4.72"	3.94"	0.71"	1.11"	-	5/16"	1.06"	2.36"	-	1.00	A	
	RF HSK-A040-EZ3/8"SR-2.36"KZ	A1A	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.14"	1.54"	-	0.50	A	
	RF HSK-A040-EZ3/8"SR-3.15"KK	A1B	3.15"	2.36"	0.77"	1.01"	-	3/8"	1.26"	2.36"	-	0.70	A	
	RF HSK-A040-EZ3/8"SR-4.72"KK	A1B	4.72"	3.94"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.10	A	
	RF HSK-A040-EZ7/16"SR-2.36"KZ	A1A	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.14"	1.54"	-	0.50	A	
	RF HSK-A040-EZ7/16"SR-3.15"KK	A1B	3.15"	2.36"	0.84"	1.08"	-	7/16"	1.26"	2.36"	-	0.70	A	
	RF HSK-A040-EZ7/16"SR-4.72"KK	A1B	4.72"	3.94"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.10	A	
	RF HSK-A040-EZ1/2"SR-2.36"KZ	A1A	2.36"	1.57"	0.90"	1.06"	-	1/2"	1.14"	1.54"	-	0.60	A	
	RF HSK-A040-EZ1/2"SR-3.15"KK	A1B	3.15"	2.36"	0.90"	1.14"	-	1/2"	1.46"	2.36"	-	0.80	A	
	RF HSK-A040-EZ1/2"SR-4.72"KK	A1B	4.72"	3.94"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	1.20	A	
	RF HSK-A040-EZ5/8"SR-2.36"KZ	A1A	2.36"	1.57"	1.02"	1.18"	-	5/8"	1.14"	1.54"	-	0.60	A	
	RF HSK-A040-EZ5/8"SR-3.15"KK	A1B	3.15"	2.36"	1.02"	1.26"	-	5/8"	1.57"	2.36"	-	0.80	A	
	RF HSK-A040-EZ5/8"SR-4.72"KK	A1B	4.72"	3.94"	1.02"	1.34"	-	5/8"	1.57"	2.36"	-	1.20	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A050-EZ1/8"SR-2.76"KZ	A1A	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-A050-EZ1/8"SR-3.94"KK	A1B	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-A050-EZ1/8"SR-4.72"KK	A1B	4.72"	3.70"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.00	A	
		RF HSK-A050-EZ1/8"SR-6.30"KK	A1C	6.30"	3.94"	0.52"	0.96"	1.40"	1/8"	0.43"	-	-	1.40	A	
		RF HSK-A050-EZ3/16"SR-2.76"KZ	A1A	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.50	A	
		RF HSK-A050-EZ3/16"SR-3.94"KK	A1B	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.80	A	
		RF HSK-A050-EZ3/16"SR-4.72"KK	A1B	4.72"	3.70"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.00	A	
		RF HSK-A050-EZ3/16"SR-6.30"KK	A1C	6.30"	3.94"	0.59"	1.03"	1.47"	3/16"	0.55"	-	-	1.40	A	
		RF HSK-A050-EZ1/4"SR-2.76"KZ	A1A	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.60	A	
		RF HSK-A050-EZ1/4"SR-3.94"KK	A1B	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	0.90	A	
		RF HSK-A050-EZ1/4"SR-4.72"KK	A1B	4.72"	3.70"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.10	A	
		RF HSK-A050-EZ1/4"SR-6.30"KK	A1C	6.30"	3.94"	0.65"	1.09"	1.53"	1/4"	0.91"	-	-	1.50	A	
		RF HSK-A050-EZ5/16"SR-2.76"KZ	A1A	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.77"	-	0.60	A	
		RF HSK-A050-EZ5/16"SR-3.94"KK	A1B	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-A050-EZ5/16"SR-4.72"KK	A1B	4.72"	3.70"	0.71"	1.11"	-	5/16"	1.06"	2.36"	-	1.10	A	
		RF HSK-A050-EZ5/16"SR-6.30"KK	A1C	6.30"	3.94"	0.71"	1.15"	1.55"	5/16"	1.06"	2.36"	-	1.50	A	
		RF HSK-A050-EZ3/8"SR-2.76"KZ	A1A	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.77"	-	0.70	A	
		RF HSK-A050-EZ3/8"SR-3.94"KK	A1B	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-A050-EZ3/8"SR-4.72"KK	A1B	4.72"	3.70"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.20	A	
		RF HSK-A050-EZ3/8"SR-6.30"KK	A1C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	2.36"	-	1.60	A	
		RF HSK-A050-EZ7/16"SR-2.76"KZ	A1A	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.77"	-	0.70	A	
		RF HSK-A050-EZ7/16"SR-3.94"KK	A1B	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-A050-EZ7/16"SR-4.72"KK	A1B	4.72"	3.70"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.20	A	
		RF HSK-A050-EZ7/16"SR-6.30"KK	A1C	6.30"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	2.36"	-	1.60	A	
		RF HSK-A050-EZ1/2"SR-2.76"KZ	A1A	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.26"	1.77"	-	0.80	A	
		RF HSK-A050-EZ1/2"SR-3.94"KK	A1B	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.10	A	
		RF HSK-A050-EZ1/2"SR-4.72"KK	A1B	4.72"	3.70"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	1.30	A	
		RF HSK-A050-EZ1/2"SR-6.30"KK	A1B	6.30"	5.28"	0.90"	1.46"	-	1/2"	1.46"	2.36"	-	1.70	A	
		RF HSK-A050-EZ5/8"SR-2.76"KZ	A1A	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.38"	1.77"	-	0.80	A	
		RF HSK-A050-EZ5/8"SR-3.94"KK	A1B	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	3.07"	-	1.10	A	
		RF HSK-A050-EZ5/8"SR-4.72"KK	A1B	4.72"	3.70"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.30	A	
		RF HSK-A050-EZ5/8"SR-6.30"KK	A1B	6.30"	5.28"	1.02"	1.58"	-	5/8"	1.57"	3.15"	-	1.70	A	
		RF HSK-A050-EZ3/4"SR-2.76"KZ	A1A	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.38"	1.77"	-	0.90	A	
		RF HSK-A050-EZ3/4"SR-3.94"KK	A1B	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	3.07"	-	1.20	A	
		RF HSK-A050-EZ3/4"SR-4.72"KK	A1B	4.72"	3.70"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.40	A	
		RF HSK-A050-EZ3/4"SR-6.30"KK	A1B	6.30"	5.28"	1.15"	1.65"	-	3/4"	1.65"	3.15"	-	1.80	A	
		RF HSK-A050-EZ7/8"SR-2.76"KZ	A1A	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.38"	1.77"	-	0.90	A	
		RF HSK-A050-EZ7/8"SR-3.94"KK	A1B	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	3.07"	-	1.20	A	
		RF HSK-A050-EZ7/8"SR-4.72"KK	A1B	4.72"	3.70"	1.27"	1.65"	-	7/8"	1.65"	3.15"	-	1.40	A	
		RF HSK-A050-EZ7/8"SR-6.30"KK	A1B	6.30"	5.28"	1.27"	1.65"	-	7/8"	1.65"	3.15"	-	1.80	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSRKK // RF HSK-A-EZSRKK inch

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A063-EZ1/8"SR-2.76"KZ	A1A	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.60	A	
		RF HSK-A063-EZ1/8"SR-3.94"KK	A1B	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-A063-EZ1/8"SR-4.72"KK	A1B	4.72"	3.70"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.10	A	
		RF HSK-A063-EZ1/8"SR-6.30"KK	A1C	6.30"	3.94"	0.52"	0.96"	1.40"	1/8"	0.43"	-	-	1.50	A	
		RF HSK-A063-EZ1/8"SR-7.87"KK	A1C	7.87"	3.94"	0.52"	0.96"	1.64"	1/8"	0.43"	-	-	1.90	A	
		RF HSK-A063-EZ3/16"SR-2.76"KZ	A1A	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.60	A	
		RF HSK-A063-EZ3/16"SR-3.94"KK	A1B	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.90	A	
		RF HSK-A063-EZ3/16"SR-4.72"KK	A1B	4.72"	3.70"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.10	A	
		RF HSK-A063-EZ3/16"SR-6.30"KK	A1C	6.30"	3.94"	0.59"	1.03"	1.47"	3/16"	0.55"	-	-	1.50	A	
		RF HSK-A063-EZ3/16"SR-7.87"KK	A1C	7.87"	3.94"	0.52"	1.03"	1.71"	3/16"	0.55"	-	-	1.90	A	
		RF HSK-A063-EZ1/4"SR-2.76"KZ	A1A	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.70	A	
		RF HSK-A063-EZ1/4"SR-3.94"KK	A1B	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.00	A	
		RF HSK-A063-EZ1/4"SR-4.72"KK	A1B	4.72"	3.70"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.20	A	
		RF HSK-A063-EZ1/4"SR-6.30"KK	A1C	6.30"	3.94"	0.65"	1.09"	1.53"	1/4"	0.91"	-	-	1.60	A	
		RF HSK-A063-EZ1/4"SR-7.87"KK	A1C	7.87"	3.94"	0.65"	1.09"	1.77"	1/4"	0.91"	-	-	2.00	A	
		RF HSK-A063-EZ5/16"SR-2.76"KZ	A1A	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	-	-	0.70	A	
		RF HSK-A063-EZ5/16"SR-3.94"KK	A1B	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	-	-	1.00	A	
		RF HSK-A063-EZ5/16"SR-4.72"KK	A1B	4.72"	3.70"	0.71"	1.11"	-	5/16"	1.06"	-	-	1.20	A	
		RF HSK-A063-EZ5/16"SR-6.30"KK	A1C	6.30"	3.94"	0.71"	1.15"	1.55"	5/16"	1.06"	-	-	1.60	A	
		RF HSK-A063-EZ5/16"SR-7.87"KK	A1C	7.87"	3.94"	0.71"	1.15"	1.75"	5/16"	1.06"	-	-	2.00	A	
		RF HSK-A063-EZ3/8"SR-2.76"KZ	A1A	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.69"	-	0.80	A	
		RF HSK-A063-EZ3/8"SR-3.94"KK	A1B	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF HSK-A063-EZ3/8"SR-4.72"KK	A1B	4.72"	3.70"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.30	A	
		RF HSK-A063-EZ3/8"SR-6.30"KK	A1C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	2.36"	-	1.70	A	
		RF HSK-A063-EZ3/8"SR-7.87"KK	A1C	7.87"	3.94"	0.77"	1.21"	1.77"	3/8"	1.26"	2.36"	-	2.10	A	
		RF HSK-A063-EZ7/16"SR-2.76"KZ	A1A	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.69"	-	0.80	A	
		RF HSK-A063-EZ7/16"SR-3.94"KK	A1B	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-A063-EZ7/16"SR-4.72"KK	A1B	4.72"	3.70"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.30	A	
		RF HSK-A063-EZ7/16"SR-6.30"KK	A1C	6.30"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	2.36"	-	1.70	A	
		RF HSK-A063-EZ7/16"SR-7.87"KK	A1C	7.87"	3.94"	0.84"	1.28"	1.80"	7/16"	1.26"	2.36"	-	2.10	A	

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A063-EZ1/2"SR-2.76"KZ	A1A	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.30"	1.69"	-	0.90	A	
		RF HSK-A063-EZ1/2"SR-3.94"KK	A1B	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF HSK-A063-EZ1/2"SR-4.72"KK	A1B	4.72"	3.70"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	1.40	A	
		RF HSK-A063-EZ1/2"SR-6.30"KK	A1C	6.30"	3.94"	0.90"	1.34"	1.66"	1/2"	1.46"	2.36"	-	1.80	A	
		RF HSK-A063-EZ1/2"SR-7.87"KK	A1C	7.87"	3.94"	0.90"	1.34"	1.82"	1/2"	1.46"	2.36"	-	2.20	A	
		RF HSK-A063-EZ5/8"SR-2.76"KZ	A1A	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.30"	1.69"	-	0.90	A	
		RF HSK-A063-EZ5/8"SR-3.94"KK	A1B	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.87"	-	1.20	A	
		RF HSK-A063-EZ5/8"SR-4.72"KK	A1B	4.72"	3.70"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.40	A	
		RF HSK-A063-EZ5/8"SR-6.30"KK	A1C	6.30"	3.94"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	1.80	A	
		RF HSK-A063-EZ5/8"SR-7.87"KK	A1B	7.87"	6.85"	1.02"	1.74"	-	5/8"	1.57"	3.15"	-	2.20	A	
		RF HSK-A063-EZ3/4"SR-2.76"KZ	A1A	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.30"	1.69"	-	1.00	A	
		RF HSK-A063-EZ3/4"SR-3.94"KK	A1B	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.87"	-	1.30	A	
		RF HSK-A063-EZ3/4"SR-4.72"KK	A1B	4.72"	3.70"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.50	A	
		RF HSK-A063-EZ3/4"SR-6.30"KK	A1B	6.30"	5.28"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	1.90	A	
		RF HSK-A063-EZ3/4"SR-7.87"KK	A1B	7.87"	6.85"	1.15"	1.87"	-	3/4"	1.65"	3.15"	-	2.30	A	
		RF HSK-A063-EZ7/8"SR-2.76"KZ	A1A	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.30"	1.69"	-	1.00	A	
		RF HSK-A063-EZ7/8"SR-3.94"KK	A1B	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.87"	-	1.30	A	
		RF HSK-A063-EZ7/8"SR-4.72"KK	A1B	4.72"	3.70"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	1.50	A	
		RF HSK-A063-EZ7/8"SR-6.30"KK	A1B	6.30"	5.28"	1.27"	1.83"	-	7/8"	1.65"	3.15"	-	1.90	A	
		RF HSK-A063-EZ7/8"SR-7.87"KK	A1B	7.87"	6.85"	1.27"	1.99"	-	7/8"	1.65"	3.15"	-	2.30	A	
		RF HSK-A063-EZ1"SR-3.15"KZ	A1A	3.15"	2.13"	1.40"	1.60"	-	1"	1.69"	2.09"	-	1.50	A	
		RF HSK-A063-EZ1"SR-3.94"KK	A1B	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.87"	-	1.70	A	
		RF HSK-A063-EZ1"SR-4.72"KK	A1B	4.72"	3.70"	1.40"	1.80"	-	1"	1.89"	3.66"	-	1.90	A	
		RF HSK-A063-EZ1"SR-6.30"KK	A1B	6.30"	3.94"	1.40"	1.96"	-	1"	1.89"	3.94"	-	2.30	A	
		RF HSK-A063-EZ1"SR-7.87"KK	A1B	7.87"	3.94"	1.40"	2.08"	-	1"	1.89"	3.94"	-	2.70	A	
		RF HSK-A063-EZ1 1/4"SR-3.15"KZ	A1A	3.15"	2.13"	1.64"	1.84"	-	1 1/4"	1.69"	2.09"	-	1.50	A	
		RF HSK-A063-EZ1 1/4"SR-3.94"KK	A1B	3.94"	2.91"	1.64"	1.96"	-	1 1/4"	2.05"	2.87"	-	1.70	A	
		RF HSK-A063-EZ1 1/4"SR-4.72"KK	A1B	4.72"	3.70"	1.64"	2.04"	-	1 1/4"	2.05"	3.66"	-	1.90	A	
		RF HSK-A063-EZ1 1/4"SR-6.30"KK	A1B	6.30"	3.94"	1.64"	2.08"	-	1 1/4"	2.05"	3.94"	-	2.30	A	
		RF HSK-A063-EZ1 1/4"SR-7.87"KK	A1B	7.87"	3.94"	1.64"	2.08"	-	1 1/4"	2.05"	3.94"	-	2.70	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSRKK // RF HSK-A-EZSRKK inch

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A080-EZ1/8"SR-3.94"KZ	A1A	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	1.60	C	
		RF HSK-A080-EZ1/8"SR-4.72"KK	A1B	4.72"	3.70"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.80	C	
		RF HSK-A080-EZ1/8"SR-6.30"KK	A1C	6.30"	5.28"	0.52"	0.96"	1.40"	1/8"	0.43"	-	-	2.20	C	
		RF HSK-A080-EZ3/16"SR-3.94"KZ	A1A	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	1.60	C	
		RF HSK-A080-EZ3/16"SR-4.72"KK	A1B	4.72"	3.70"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.80	C	
		RF HSK-A080-EZ3/16"SR-6.30"KK	A1C	6.30"	5.28"	0.59"	0.99"	1.47"	3/16"	0.55"	-	-	2.20	C	
		RF HSK-A080-EZ1/4"SR-3.94"KZ	A1A	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.70	C	
		RF HSK-A080-EZ1/4"SR-4.72"KK	A1B	4.72"	3.70"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.90	C	
		RF HSK-A080-EZ1/4"SR-6.30"KK	A1C	6.30"	5.28"	0.65"	1.09"	1.53"	1/4"	0.91"	-	-	2.30	C	
		RF HSK-A080-EZ5/16"SR-3.94"KZ	A1A	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	-	-	1.70	C	
		RF HSK-A080-EZ5/16"SR-4.72"KK	A1B	4.72"	3.70"	0.71"	1.11"	-	5/16"	1.06"	-	-	1.90	C	
		RF HSK-A080-EZ5/16"SR-6.30"KK	A1C	6.30"	5.28"	0.71"	1.15"	1.57"	5/16"	1.06"	-	-	2.30	C	
		RF HSK-A080-EZ3/8"SR-3.94"KZ	A1A	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.80	C	
		RF HSK-A080-EZ3/8"SR-4.72"KK	A1B	4.72"	3.70"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	2.00	C	
		RF HSK-A080-EZ3/8"SR-6.30"KK	A1C	6.30"	5.28"	0.77"	1.21"	1.57"	3/8"	1.26"	2.36"	-	2.40	C	
		RF HSK-A080-EZ7/16"SR-3.94"KZ	A1A	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.80	C	
		RF HSK-A080-EZ7/16"SR-4.72"KK	A1B	4.72"	3.70"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	2.00	C	
		RF HSK-A080-EZ7/16"SR-6.30"KK	A1C	6.30"	5.28"	0.84"	1.28"	1.64"	7/16"	1.26"	2.36"	-	2.40	C	
		RF HSK-A080-EZ1/2"SR-3.94"KZ	A1A	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.90	C	
		RF HSK-A080-EZ1/2"SR-4.72"KK	A1B	4.72"	3.70"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	2.10	C	
		RF HSK-A080-EZ1/2"SR-6.30"KK	A1C	6.30"	5.28"	0.90"	1.34"	1.66"	1/2"	1.46"	2.36"	-	2.50	C	
		RF HSK-A080-EZ5/8"SR-3.94"KZ	A1A	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.50"	2.68"	-	1.90	C	
		RF HSK-A080-EZ5/8"SR-4.72"KK	A1B	4.72"	3.70"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	2.10	C	
		RF HSK-A080-EZ5/8"SR-6.30"KK	A1C	6.30"	5.28"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	2.50	C	
		RF HSK-A080-EZ3/4"SR-3.94"KZ	A1A	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.50"	2.68"	-	2.00	C	
		RF HSK-A080-EZ3/4"SR-4.72"KK	A1B	4.72"	3.70"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	2.20	C	
		RF HSK-A080-EZ3/4"SR-6.30"KK	A1B	6.30"	5.28"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	2.60	C	
		RF HSK-A080-EZ7/8"SR-3.94"KZ	A1A	3.94"	2.91"	1.27"	1.51"	-	7/8"	1.50"	2.68"	-	2.00	C	
		RF HSK-A080-EZ7/8"SR-4.72"KK	A1B	4.72"	3.70"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	2.20	C	
		RF HSK-A080-EZ7/8"SR-6.30"KK	A1B	6.30"	5.28"	1.27"	1.83"	-	7/8"	1.65"	3.15"	-	2.60	C	
		RF HSK-A080-EZ1"SR-3.94"KK	A1A	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.68"	-	2.40	C	
		RF HSK-A080-EZ1"SR-4.72"KK	A1B	4.72"	3.70"	1.40"	1.80"	-	1"	1.89"	3.46"	-	2.60	C	
		RF HSK-A080-EZ1"SR-6.30"KK	A1B	6.30"	5.28"	1.40"	1.96"	-	1"	1.89"	3.94"	-	3.00	C	
		RF HSK-A080-EZ1 1/4"SR-3.94"KK	A1A	3.94"	2.91"	1.64"	1.96"	-	1 1/4"	2.05"	2.68"	-	2.40	C	
		RF HSK-A080-EZ1 1/4"SR-4.72"KK	A1B	4.72"	3.70"	1.64"	2.04"	-	1 1/4"	2.05"	3.46"	-	2.60	C	
		RF HSK-A080-EZ1 1/4"SR-6.30"KK	A1B	6.30"	5.28"	1.64"	2.20"	-	1 1/4"	2.05"	3.94"	-	3.00	C	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A100-EZ1/8"SR-3.15"KZ	A1A	3.15"	2.13"	0.52"	0.72"	-	1/8"	0.43"	-	-	2.00	C	
		RF HSK-A100-EZ1/8"SR-3.94"KK	A1B	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	2.20	C	
		RF HSK-A100-EZ1/8"SR-4.72"KK	A1B	4.72"	3.70"	0.52"	0.92"	-	1/8"	0.43"	-	-	2.40	C	
		RF HSK-A100-EZ1/8"SR-6.30"KK	A1C	6.30"	3.94"	0.52"	0.96"	1.40"	1/8"	0.43"	-	-	2.80	C	
		RF HSK-A100-EZ1/8"SR-7.87"KK	A1C	7.87"	3.94"	0.52"	0.96"	1.64"	1/8"	0.43"	-	-	3.20	C	
		RF HSK-A100-EZ3/16"SR-3.15"KZ	A1A	3.15"	2.13"	0.59"	0.79"	-	3/16"	0.55"	-	-	2.00	C	
		RF HSK-A100-EZ3/16"SR-3.94"KK	A1B	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	2.20	C	
		RF HSK-A100-EZ3/16"SR-4.72"KK	A1B	4.72"	3.70"	0.59"	0.99"	-	3/16"	0.55"	-	-	2.40	C	
		RF HSK-A100-EZ3/16"SR-6.30"KK	A1C	6.30"	3.94"	0.59"	1.03"	1.47"	3/16"	0.55"	-	-	2.80	C	
		RF HSK-A100-EZ3/16"SR-7.87"KK	A1C	7.87"	3.94"	0.52"	1.03"	1.71"	3/16"	0.55"	-	-	3.20	C	
		RF HSK-A100-EZ1/4"SR-3.15"KZ	A1A	3.15"	2.13"	0.65"	0.85"	-	1/4"	0.91"	-	-	2.10	C	
		RF HSK-A100-EZ1/4"SR-3.94"KK	A1B	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	2.30	C	
		RF HSK-A100-EZ1/4"SR-4.72"KK	A1B	4.72"	3.70"	0.65"	1.05"	-	1/4"	0.91"	-	-	2.50	C	
		RF HSK-A100-EZ1/4"SR-6.30"KK	A1C	6.30"	3.94"	0.65"	1.09"	1.53"	1/4"	0.91"	-	-	2.90	C	
		RF HSK-A100-EZ1/4"SR-7.87"KK	A1C	7.87"	3.94"	0.65"	1.09"	1.77"	1/4"	0.91"	-	-	3.30	C	
		RF HSK-A100-EZ5/16"SR-3.15"KZ	A1A	3.15"	2.13"	0.71"	0.91"	-	5/16"	1.06"	-	-	2.10	C	
		RF HSK-A100-EZ5/16"SR-3.94"KK	A1B	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	-	-	2.30	C	
		RF HSK-A100-EZ5/16"SR-4.72"KK	A1B	4.72"	3.70"	0.71"	1.11"	-	5/16"	1.06"	-	-	2.50	C	
		RF HSK-A100-EZ5/16"SR-6.30"KK	A1C	6.30"	3.94"	0.71"	1.15"	1.55"	5/16"	1.06"	-	-	2.90	C	
		RF HSK-A100-EZ5/16"SR-7.87"KK	A1C	7.87"	3.94"	0.71"	1.15"	1.75"	5/16"	1.06"	-	-	3.30	C	
		RF HSK-A100-EZ3/8"SR-3.15"KZ	A1A	3.15"	2.13"	0.77"	0.97"	-	3/8"	1.26"	-	-	2.20	C	
		RF HSK-A100-EZ3/8"SR-3.94"KK	A1B	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	-	-	2.40	C	
		RF HSK-A100-EZ3/8"SR-4.72"KK	A1B	4.72"	3.70"	0.77"	1.17"	-	3/8"	1.26"	-	-	2.60	C	
		RF HSK-A100-EZ3/8"SR-6.30"KK	A1C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	-	-	3.00	C	
		RF HSK-A100-EZ3/8"SR-7.87"KK	A1C	7.87"	3.94"	0.77"	1.21"	1.77"	3/8"	1.26"	-	-	3.40	C	
		RF HSK-A100-EZ7/16"SR-3.15"KZ	A1A	3.15"	2.13"	0.84"	1.04"	-	7/16"	1.26"	-	-	2.20	C	
		RF HSK-A100-EZ7/16"SR-3.94"KK	A1B	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	-	-	2.40	C	
		RF HSK-A100-EZ7/16"SR-4.72"KK	A1B	4.72"	3.70"	0.84"	1.24"	-	7/16"	1.26"	-	-	2.60	C	
		RF HSK-A100-EZ7/16"SR-6.30"KK	A1C	6.30"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	-	-	3.00	C	
		RF HSK-A100-EZ7/16"SR-7.87"KK	A1C	7.87"	3.94"	0.84"	1.28"	1.80"	7/16"	1.26"	-	-	3.40	C	

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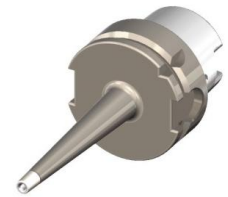
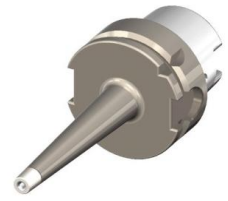
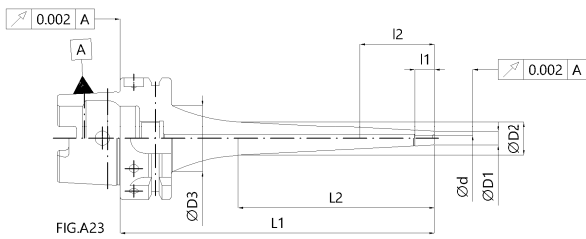
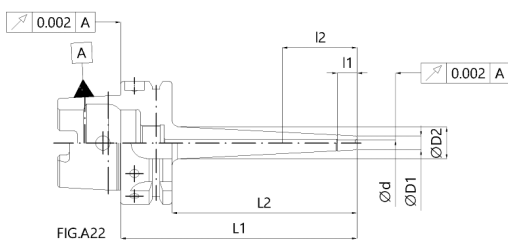
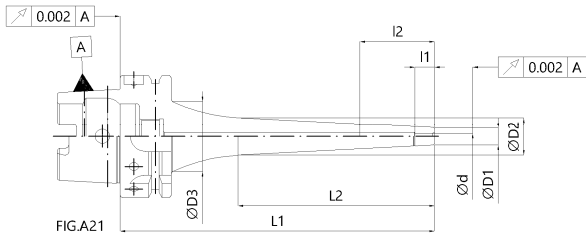
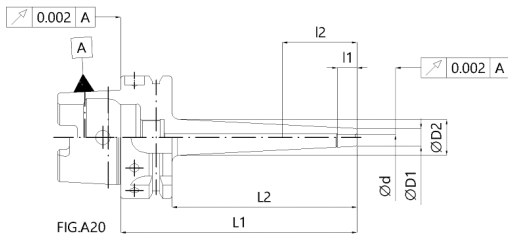
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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A100-EZ1/2"SR-3.15"KZ	A1A	3.15"	2.13"	0.90"	1.10"	-	1/2"	1.42"	1.81"	-	2.30	C	
		RF HSK-A100-EZ1/2"SR-3.94"KK	A1B	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	2.50	C	
		RF HSK-A100-EZ1/2"SR-4.72"KK	A1B	4.72"	3.70"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	2.70	C	
		RF HSK-A100-EZ1/2"SR-6.30"KK	A1C	6.30"	3.94"	0.90"	1.34"	1.66"	1/2"	1.46"	2.36"	-	3.10	C	
		RF HSK-A100-EZ1/2"SR-7.87"KK	A1C	7.87"	3.94"	0.90"	1.34"	1.82"	1/2"	1.46"	2.36"	-	3.50	C	
		RF HSK-A100-EZ5/8"SR-3.15"KZ	A1A	3.15"	2.13"	1.02"	1.22"	-	5/8"	1.42"	1.81"	-	2.30	C	
		RF HSK-A100-EZ5/8"SR-3.94"KK	A1B	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.60"	-	2.50	C	
		RF HSK-A100-EZ5/8"SR-4.72"KK	A1B	4.72"	3.70"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	2.70	C	
		RF HSK-A100-EZ5/8"SR-6.30"KK	A1C	6.30"	3.94"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	3.10	C	
		RF HSK-A100-EZ5/8"SR-7.87"KK	A1B	7.87"	6.85"	1.02"	1.74"	-	5/8"	1.57"	3.15"	-	3.50	C	
		RF HSK-A100-EZ3/4"SR-3.15"KZ	A1A	3.15"	2.13"	1.15"	1.35"	-	3/4"	1.42"	1.81"	-	2.40	C	
		RF HSK-A100-EZ3/4"SR-3.94"KK	A1B	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.60"	-	2.60	C	
		RF HSK-A100-EZ3/4"SR-4.72"KK	A1B	4.72"	3.70"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	2.80	C	
		RF HSK-A100-EZ3/4"SR-6.30"KK	A1B	6.30"	5.28"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	3.20	C	
		RF HSK-A100-EZ3/4"SR-7.87"KK	A1B	7.87"	6.85"	1.15"	1.87"	-	3/4"	1.65"	3.15"	-	3.60	C	
		RF HSK-A100-EZ7/8"SR-3.15"KZ	A1A	3.15"	2.13"	1.27"	1.47"	-	7/8"	1.42"	1.81"	-	2.40	C	
		RF HSK-A100-EZ7/8"SR-3.94"KK	A1B	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.60"	-	2.60	C	
		RF HSK-A100-EZ7/8"SR-4.72"KK	A1B	4.72"	3.70"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	2.80	C	
		RF HSK-A100-EZ7/8"SR-6.30"KK	A1B	6.30"	5.28"	1.27"	1.83"	-	7/8"	1.65"	3.15"	-	3.20	C	
		RF HSK-A100-EZ7/8"SR-7.87"KK	A1B	7.87"	6.85"	1.27"	1.99"	-	7/8"	1.65"	3.15"	-	3.60	C	
		RF HSK-A100-EZ1"SR-3.94"KK	A1B	3.94"	2.80"	1.40"	1.72"	-	1"	1.89"	2.60"	-	3.00	C	
		RF HSK-A100-EZ1"SR-4.72"KK	A1B	4.72"	3.58"	1.40"	1.80"	-	1"	1.89"	3.39"	-	3.20	C	
		RF HSK-A100-EZ1"SR-6.30"KK	A1B	6.30"	5.16"	1.40"	1.96"	-	1"	1.89"	3.94"	-	3.60	C	
		RF HSK-A100-EZ1"SR-7.87"KK	A1B	7.87"	6.73"	1.40"	2.12"	-	1"	1.89"	3.94"	-	4.00	C	
		RF HSK-A100-EZ1 1/4"SR-3.94"KK	A1B	3.94"	2.80"	1.64"	1.96"	-	1 1/4"	2.05"	2.60"	-	3.00	C	
		RF HSK-A100-EZ1 1/4"SR-4.72"KK	A1B	4.72"	3.58"	1.64"	2.04"	-	1 1/4"	2.05"	3.39"	-	3.20	C	
		RF HSK-A100-EZ1 1/4"SR-6.30"KK	A1B	6.30"	5.16"	1.64"	2.20"	-	1 1/4"	2.05"	3.94"	-	3.60	C	
		RF HSK-A100-EZ1 1/4"SR-7.87"KK	A1B	7.87"	6.73"	1.64"	2.36"	-	1 1/4"	2.05"	3.94"	-	4.00	C	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck



ezShrink EZSS & EZSSU // RF HSK-A-EZSS & RF HSK-A-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A032-EZ03SS-080	A20	80	60	9	15	-	3	11	-	-	0.30	A	
		RF HSK-A032-EZ03SS-120	A20	120	100	9	19	-	3	11	-	-	0.70	A	
		RF HSK-A032-EZ04SS-080	A20	80	60	10	16	-	4	14	30	-	0.30	A	
		RF HSK-A032-EZ04SS-120	A20	120	100	10	20	-	4	14	30	-	0.70	A	
		RF HSK-A032-EZ05SS-080	A20	80	60	11	17	-	5	17	30	-	0.30	A	
		RF HSK-A032-EZ05SS-120	A20	120	100	11	21	-	5	17	30	-	0.70	A	
		RF HSK-A032-EZ06SS-080	A20	80	60	12	18	-	6	23	40	-	0.40	A	
		RF HSK-A032-EZ06SS-120	A20	120	100	12	22	-	6	23	40	-	0.80	A	
		RF HSK-A032-EZ08SS-080	A20	80	60	14	20	-	8	27	60	-	0.40	A	
		RF HSK-A032-EZ08SS-120	A20	120	100	14	24	-	8	27	60	-	0.80	A	
		RF HSK-A032-EZ10SS-080	A20	80	60	16	22	-	10	32	60	-	0.50	A	
		RF HSK-A032-EZ10SS-120	A20	120	100	16	26	-	10	32	60	-	0.90	A	
		RF HSK-A032-EZ12SS-080	A20	80	60	18	24	-	12	37	60	-	0.50	A	
		RF HSK-A032-EZ12SS-120	A20	120	100	18	26	-	12	37	60	-	0.90	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A032-EZ03SSU-080	A22	80	60	7	13	-	3	11	-	-	0.30	A	
		RF HSK-A032-EZ03SSU-120	A22	120	100	7	17	-	3	11	-	-	0.70	A	
		RF HSK-A032-EZ04SSU-080	A22	80	60	8	14	-	4	14	30	-	0.30	A	
		RF HSK-A032-EZ04SSU-120	A22	120	100	8	18	-	4	14	30	-	0.70	A	
		RF HSK-A032-EZ05SSU-080	A22	80	60	9	15	-	5	17	30	-	0.30	A	
		RF HSK-A032-EZ05SSU-120	A22	120	100	9	19	-	5	17	30	-	0.70	A	
		RF HSK-A032-EZ06SSU-080	A22	80	60	10	16	-	6	23	40	-	0.40	A	
		RF HSK-A032-EZ06SSU-120	A22	120	100	10	20	-	6	23	40	-	0.80	A	
		RF HSK-A032-EZ08SSU-080	A22	80	60	12	18	-	8	27	60	-	0.40	A	
		RF HSK-A032-EZ08SSU-120	A22	120	100	12	22	-	8	27	60	-	0.80	A	
		RF HSK-A032-EZ10SSU-080	A22	80	60	14	20	-	10	32	60	-	0.50	A	
		RF HSK-A032-EZ10SSU-120	A22	120	100	14	24	-	10	32	60	-	0.90	A	
		RF HSK-A032-EZ12SSU-080	A22	80	60	16	22	-	12	37	60	-	0.50	A	
		RF HSK-A032-EZ12SSU-120	A22	120	100	16	26	-	12	37	60	-	0.90	A	

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A040-EZ03SS-080	A20	80	60	9	15	-	3	11	-	-	0.40	A	
		RF HSK-A040-EZ03SS-120	A20	120	100	9	19	-	3	11	-	-	0.80	A	
		RF HSK-A040-EZ04SS-080	A20	80	60	10	16	-	4	14	-	-	0.40	A	
		RF HSK-A040-EZ04SS-120	A20	120	100	10	20	-	4	14	-	-	0.80	A	
		RF HSK-A040-EZ05SS-080	A20	80	60	11	17	-	5	17	30	-	0.40	A	
		RF HSK-A040-EZ05SS-120	A20	120	100	11	21	-	5	17	30	-	0.80	A	
		RF HSK-A040-EZ06SS-080	A20	80	60	12	18	-	6	23	39	-	0.50	A	
		RF HSK-A040-EZ06SS-120	A20	120	100	12	22	-	6	23	40	-	0.90	A	
		RF HSK-A040-EZ08SS-080	A20	80	60	14	20	-	8	27	60	-	0.50	A	
		RF HSK-A040-EZ08SS-120	A20	120	100	14	24	-	8	27	60	-	0.90	A	
		RF HSK-A040-EZ10SS-080	A20	80	60	16	22	-	10	32	60	-	0.60	A	
		RF HSK-A040-EZ10SS-120	A20	120	100	16	26	-	10	32	60	-	1.00	A	
		RF HSK-A040-EZ12SS-080	A20	80	60	18	24	-	12	37	60	-	0.60	A	
		RF HSK-A040-EZ12SS-120	A20	120	100	18	26	-	12	37	60	-	1.00	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A040-EZ03SSU-080	A22	80	60	7	13	-	3	11	-	-	0.40	A	
		RF HSK-A040-EZ03SSU-120	A22	120	100	7	17	-	3	11	-	-	0.80	A	
		RF HSK-A040-EZ04SSU-080	A22	80	60	8	14	-	4	14	-	-	0.40	A	
		RF HSK-A040-EZ04SSU-120	A22	120	100	8	18	-	4	14	-	-	0.80	A	
		RF HSK-A040-EZ05SSU-080	A22	80	60	9	15	-	5	17	30	-	0.40	A	
		RF HSK-A040-EZ05SSU-120	A22	120	100	9	19	-	5	17	30	-	0.80	A	
		RF HSK-A040-EZ06SSU-080	A22	80	60	10	16	-	6	23	39	-	0.50	A	
		RF HSK-A040-EZ06SSU-120	A22	120	100	10	20	-	6	23	40	-	0.90	A	
		RF HSK-A040-EZ08SSU-080	A22	80	60	12	18	-	8	27	60	-	0.50	A	
		RF HSK-A040-EZ08SSU-120	A22	120	100	12	22	-	8	27	60	-	0.90	A	
		RF HSK-A040-EZ10SSU-080	A22	80	60	14	20	-	10	32	60	-	0.60	A	
		RF HSK-A040-EZ10SSU-120	A22	120	100	14	24	-	10	32	60	-	1.00	A	
		RF HSK-A040-EZ12SSU-080	A22	80	60	16	22	-	12	37	60	-	0.60	A	
		RF HSK-A040-EZ12SSU-120	A22	120	100	16	26	-	12	37	60	-	1.00	A	

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ezShrink EZSS & EZSSU // RF HSK-A-EZSS & RF HSK-A-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A050-EZ03SS-120	A20	120	94	9	19	-	3	11	-	-	0.90	A	
		RF HSK-A050-EZ03SS-160	A21	160	100	9	20	37	3	11	-	-	1.30	A	
		RF HSK-A050-EZ04SS-120	A20	120	94	10	20	-	4	14	-	-	0.90	A	
		RF HSK-A050-EZ04SS-160	A21	160	100	10	21	38	4	14	-	-	1.30	A	
		RF HSK-A050-EZ05SS-120	A20	120	94	11	21	-	5	17	-	-	0.90	A	
		RF HSK-A050-EZ05SS-160	A21	160	100	11	22	39	5	17	-	-	1.30	A	
		RF HSK-A050-EZ06SS-120	A20	120	94	12	22	-	6	23	-	-	1.00	A	
		RF HSK-A050-EZ06SS-160	A21	160	100	12	23	40	6	23	-	-	1.40	A	
		RF HSK-A050-EZ08SS-120	A20	120	94	14	24	-	8	27	60	-	1.00	A	
		RF HSK-A050-EZ08SS-160	A21	160	100	14	25	40	8	27	60	-	1.40	A	
		RF HSK-A050-EZ10SS-120	A20	120	94	16	26	-	10	32	60	-	1.10	A	
		RF HSK-A050-EZ10SS-160	A21	160	100	16	27	42	10	32	60	-	1.50	A	
		RF HSK-A050-EZ12SS-120	A20	120	94	18	28	-	12	37	60	-	1.10	A	
		RF HSK-A050-EZ12SS-160	A21	160	100	18	29	42	12	37	60	-	1.50	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A050-EZ03SSU-120	A22	120	94	7	17	-	3	11	-	-	0.90	A	
		RF HSK-A050-EZ03SSU-160	A23	160	100	7	18	35	3	11	-	-	1.30	A	
		RF HSK-A050-EZ04SSU-120	A22	120	94	8	18	-	4	14	-	-	0.90	A	
		RF HSK-A050-EZ04SSU-160	A23	160	100	8	19	36	4	14	-	-	1.30	A	
		RF HSK-A050-EZ05SSU-120	A22	120	94	9	19	-	5	17	-	-	0.90	A	
		RF HSK-A050-EZ05SSU-160	A23	160	100	9	20	37	5	17	-	-	1.30	A	
		RF HSK-A050-EZ06SSU-120	A22	120	94	10	20	-	6	23	-	-	1.00	A	
		RF HSK-A050-EZ06SSU-160	A23	160	100	10	21	38	6	23	-	-	1.40	A	
		RF HSK-A050-EZ08SSU-120	A22	120	94	12	22	-	8	27	60	-	1.00	A	
		RF HSK-A050-EZ08SSU-160	A23	160	100	12	23	38	8	27	60	-	1.40	A	
		RF HSK-A050-EZ10SSU-120	A22	120	94	14	24	-	10	32	60	-	1.10	A	
		RF HSK-A050-EZ10SSU-160	A23	160	100	14	25	40	10	32	60	-	1.50	A	
		RF HSK-A050-EZ12SSU-120	A22	120	94	16	26	-	12	37	60	-	1.10	A	
		RF HSK-A050-EZ12SSU-160	A23	160	100	16	27	40	12	37	60	-	1.50	A	

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
■	RF HSK-A063-EZ03SS-120	A20	120	94	9	19	-	3	11	-	-	1.00	A	
◎	RF HSK-A063-EZ03SS-160	A21	160	100	9	20	37	3	11	-	-	1.40	A	
○	RF HSK-A063-EZ03SS-200	A21	200	100	9	20	39	3	11	-	-	1.80	A	
◎	RF HSK-A063-EZ04SS-120	A20	120	94	10	20	-	4	14	-	-	1.00	A	
■	RF HSK-A063-EZ04SS-160	A21	160	100	10	21	38	4	14	-	-	1.40	A	
○	RF HSK-A063-EZ04SS-200	A21	200	100	10	21	40	4	14	-	-	1.80	A	
■	RF HSK-A063-EZ05SS-120	A20	120	94	11	21	-	5	17	-	-	1.00	A	
○	RF HSK-A063-EZ05SS-160	A21	160	100	11	22	39	5	17	-	-	1.40	A	
○	RF HSK-A063-EZ05SS-200	A21	200	100	11	22	41	5	17	-	-	1.80	A	
◎	RF HSK-A063-EZ06SS-120	A20	120	94	12	22	-	6	23	-	-	1.10	A	
■	RF HSK-A063-EZ06SS-160	A21	160	100	12	23	40	6	23	-	-	1.50	A	
○	RF HSK-A063-EZ06SS-200	A21	200	100	12	23	42	6	23	-	-	1.90	A	
◎	RF HSK-A063-EZ08SS-120	A20	120	94	14	24	-	8	27	60	-	1.10	A	
■	RF HSK-A063-EZ08SS-160	A21	160	100	14	25	40	8	27	60	-	1.50	A	
○	RF HSK-A063-EZ08SS-200	A21	200	100	14	25	42	8	27	60	-	1.90	A	
◎	RF HSK-A063-EZ10SS-120	A20	120	94	16	26	-	10	32	60	-	1.20	A	
■	RF HSK-A063-EZ10SS-160	A21	160	100	16	27	42	10	32	60	-	1.60	A	
○	RF HSK-A063-EZ10SS-200	A21	200	100	16	27	44	10	32	60	-	2.00	A	
■	RF HSK-A063-EZ12SS-120	A20	120	94	18	28	-	12	37	60	-	1.20	A	
◎	RF HSK-A063-EZ12SS-160	A21	160	100	18	29	42	12	37	60	-	1.60	A	
○	RF HSK-A063-EZ12SS-200	A21	200	100	18	29	44	12	37	60	-	2.00	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○	RF HSK-A063-EZ03SSU-120	A22	120	94	7	17	-	3	11	-	-	1.00	A	
○	RF HSK-A063-EZ03SSU-160	A23	160	100	7	18	35	3	11	-	-	1.40	A	
○	RF HSK-A063-EZ03SSU-200	A23	200	100	7	18	37	3	11	-	-	1.80	A	
○	RF HSK-A063-EZ04SSU-120	A22	120	94	8	18	-	4	14	-	-	1.00	A	
■	RF HSK-A063-EZ04SSU-160	A23	160	100	8	19	36	4	14	-	-	1.40	A	
○	RF HSK-A063-EZ04SSU-200	A23	200	100	8	19	38	4	14	-	-	1.80	A	
○	RF HSK-A063-EZ05SSU-120	A22	120	94	9	19	-	5	17	-	-	1.00	A	
○	RF HSK-A063-EZ05SSU-160	A23	160	100	9	20	37	5	17	-	-	1.40	A	
○	RF HSK-A063-EZ05SSU-200	A23	200	100	9	20	39	5	17	-	-	1.80	A	
○	RF HSK-A063-EZ06SSU-120	A22	120	94	10	20	-	6	23	-	-	1.10	A	
○	RF HSK-A063-EZ06SSU-160	A23	160	100	10	21	38	6	23	-	-	1.50	A	
○	RF HSK-A063-EZ06SSU-200	A23	200	100	10	21	40	6	23	-	-	1.90	A	
○	RF HSK-A063-EZ08SSU-120	A22	120	94	12	22	-	8	27	60	-	1.10	A	
○	RF HSK-A063-EZ08SSU-160	A23	160	100	12	23	38	8	27	60	-	1.50	A	
○	RF HSK-A063-EZ08SSU-200	A23	200	100	12	23	40	8	27	60	-	1.90	A	
○	RF HSK-A063-EZ10SSU-120	A22	120	94	14	24	-	10	32	60	-	1.20	A	
○	RF HSK-A063-EZ10SSU-160	A23	160	100	14	25	40	10	32	60	-	1.60	A	
○	RF HSK-A063-EZ10SSU-200	A23	200	100	14	25	42	10	32	60	-	2.00	A	
○	RF HSK-A063-EZ12SSU-120	A22	120	94	16	26	-	12	37	60	-	1.20	A	
○	RF HSK-A063-EZ12SSU-160	A23	160	100	16	27	40	12	37	60	-	1.60	A	
○	RF HSK-A063-EZ12SSU-200	A23	200	100	16	27	42	12	37	60	-	2.00	A	

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STOCK ■=現有庫存為無RF鍍層 售完變更規格為RF鍍層 // STOCK ■=Current stock w/o RF coating, change to RF coating after sold out

ezShrink EZSS & EZSSU // RF HSK-A-EZSS & RF HSK-A-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A080-EZ03SS-120	A20	120	94	9	19	-	3	11	-	-	1.70	C	
		RF HSK-A080-EZ03SS-160	A21	160	100	9	20	37	3	11	-	-	2.10	C	
		RF HSK-A080-EZ04SS-120	A20	120	94	10	20	-	4	14	-	-	1.70	C	
		RF HSK-A080-EZ04SS-160	A21	160	100	10	21	38	4	14	-	-	2.10	C	
		RF HSK-A080-EZ05SS-120	A20	120	94	11	21	-	5	17	-	-	1.70	C	
		RF HSK-A080-EZ05SS-160	A21	160	100	11	22	39	5	17	-	-	2.10	C	
		RF HSK-A080-EZ06SS-120	A20	120	94	12	22	-	6	23	-	-	1.80	C	
		RF HSK-A080-EZ06SS-160	A21	160	100	12	23	40	6	23	-	-	2.20	C	
		RF HSK-A080-EZ08SS-120	A20	120	94	14	24	-	8	27	-	-	1.80	C	
		RF HSK-A080-EZ08SS-160	A21	160	100	14	25	40	8	27	-	-	2.20	C	
		RF HSK-A080-EZ10SS-120	A20	120	94	16	26	-	10	32	60	-	1.90	C	
		RF HSK-A080-EZ10SS-160	A21	160	100	16	27	42	10	32	60	-	2.30	C	
		RF HSK-A080-EZ12SS-120	A20	120	94	18	28	-	12	37	60	-	1.90	C	
		RF HSK-A080-EZ12SS-160	A21	160	100	18	29	42	12	37	60	-	2.30	C	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A080-EZ03SSU-120	A22	120	94	7	17	-	3	11	-	-	1.70	C	
		RF HSK-A080-EZ03SSU-160	A23	160	100	7	18	35	3	11	-	-	2.10	C	
		RF HSK-A080-EZ04SSU-120	A22	120	94	8	18	-	4	14	-	-	1.70	C	
		RF HSK-A080-EZ04SSU-160	A23	160	100	8	19	36	4	14	-	-	2.10	C	
		RF HSK-A080-EZ05SSU-120	A22	120	94	9	19	-	5	17	-	-	1.70	C	
		RF HSK-A080-EZ05SSU-160	A23	160	100	9	20	37	5	17	-	-	2.10	C	
		RF HSK-A080-EZ06SSU-120	A22	120	94	10	20	-	6	23	-	-	1.80	C	
		RF HSK-A080-EZ06SSU-160	A23	160	100	10	21	38	6	23	-	-	2.20	C	
		RF HSK-A080-EZ08SSU-120	A22	120	94	12	22	-	8	27	-	-	1.80	C	
		RF HSK-A080-EZ08SSU-160	A23	160	100	12	23	38	8	27	-	-	2.20	C	
		RF HSK-A080-EZ10SSU-120	A22	120	94	14	24	-	10	32	60	-	1.90	C	
		RF HSK-A080-EZ10SSU-160	A23	160	100	14	25	40	10	32	60	-	2.30	C	
		RF HSK-A080-EZ12SSU-120	A22	120	94	16	26	-	12	37	60	-	1.90	C	
		RF HSK-A080-EZ12SSU-160	A23	160	100	16	27	40	12	37	60	-	2.30	C	

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-A100-EZ03SS-120	A20	120	94	9	19	-	3	11	-	-	2.30	C	
○		RF HSK-A100-EZ03SS-160	A21	160	100	9	20	37	3	11	-	-	2.70	C	
○		RF HSK-A100-EZ03SS-200	A21	200	100	9	20	39	3	11	-	-	3.10	C	
○		RF HSK-A100-EZ04SS-120	A20	120	94	10	20	-	4	14	-	-	2.30	C	
○		RF HSK-A100-EZ04SS-160	A21	160	100	10	21	38	4	14	-	-	2.70	C	
○		RF HSK-A100-EZ04SS-200	A21	200	100	10	21	40	4	14	-	-	3.10	C	
○		RF HSK-A100-EZ05SS-120	A20	120	94	11	21	-	5	17	-	-	2.30	C	
○		RF HSK-A100-EZ05SS-160	A21	160	100	11	22	39	5	17	-	-	2.70	C	
○		RF HSK-A100-EZ05SS-200	A21	200	100	11	22	41	5	17	-	-	3.10	C	
○		RF HSK-A100-EZ06SS-120	A20	120	94	12	22	-	6	23	-	-	2.40	C	
○		RF HSK-A100-EZ06SS-160	A21	160	100	12	23	40	6	23	-	-	2.80	C	
○		RF HSK-A100-EZ06SS-200	A21	200	100	12	23	42	6	23	-	-	3.20	C	
○		RF HSK-A100-EZ08SS-120	A20	120	94	14	24	-	8	27	-	-	2.40	C	
○		RF HSK-A100-EZ08SS-160	A21	160	100	14	25	40	8	27	-	-	2.80	C	
○		RF HSK-A100-EZ08SS-200	A21	200	100	14	25	42	8	27	-	-	3.20	C	
○		RF HSK-A100-EZ10SS-120	A20	120	94	16	26	-	10	32	-	-	2.50	C	
○		RF HSK-A100-EZ10SS-160	A21	160	100	16	27	42	10	32	-	-	2.90	C	
○		RF HSK-A100-EZ10SS-200	A21	200	100	16	27	44	10	32	-	-	3.30	C	
○		RF HSK-A100-EZ12SS-120	A20	120	94	18	28	-	12	37	60	-	2.50	C	
○		RF HSK-A100-EZ12SS-160	A21	160	100	18	29	42	12	37	60	-	2.90	C	
○		RF HSK-A100-EZ12SS-200	A21	200	100	18	29	44	12	37	60	-	3.30	C	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-A100-EZ03SSU-120	A22	120	94	7	17	-	3	11	-	-	2.30	C	
○		RF HSK-A100-EZ03SSU-160	A23	160	100	7	18	35	3	11	-	-	2.70	C	
○		RF HSK-A100-EZ03SSU-200	A23	200	100	7	18	37	3	11	-	-	3.10	C	
○		RF HSK-A100-EZ04SSU-120	A22	120	94	8	18	-	4	14	-	-	2.30	C	
○		RF HSK-A100-EZ04SSU-160	A23	160	100	8	19	36	4	14	-	-	2.70	C	
○		RF HSK-A100-EZ04SSU-200	A23	200	100	8	19	38	4	14	-	-	3.10	C	
○		RF HSK-A100-EZ05SSU-120	A22	120	94	9	19	-	5	17	-	-	2.30	C	
○		RF HSK-A100-EZ05SSU-160	A23	160	100	9	20	37	5	17	-	-	2.70	C	
○		RF HSK-A100-EZ05SSU-200	A23	200	100	9	20	39	5	17	-	-	3.10	C	
○		RF HSK-A100-EZ06SSU-120	A22	120	94	10	20	-	6	23	-	-	2.40	C	
○		RF HSK-A100-EZ06SSU-160	A23	160	100	10	21	38	6	23	-	-	2.80	C	
○		RF HSK-A100-EZ06SSU-200	A23	200	100	10	21	40	6	23	-	-	3.20	C	
○		RF HSK-A100-EZ08SSU-120	A22	120	94	12	22	-	8	27	-	-	2.40	C	
○		RF HSK-A100-EZ08SSU-160	A23	160	100	12	23	38	8	27	-	-	2.80	C	
○		RF HSK-A100-EZ08SSU-200	A23	200	100	12	23	40	8	27	-	-	3.20	C	
○		RF HSK-A100-EZ10SSU-120	A22	120	94	14	24	-	10	32	-	-	2.50	C	
○		RF HSK-A100-EZ10SSU-160	A23	160	100	14	25	40	10	32	-	-	2.90	C	
○		RF HSK-A100-EZ10SSU-200	A23	200	100	14	25	42	10	32	-	-	3.30	C	
○		RF HSK-A100-EZ12SSU-120	A22	120	94	16	26	-	12	37	60	-	2.50	C	
○		RF HSK-A100-EZ12SSU-160	A23	160	100	16	27	40	12	37	60	-	2.90	C	
○		RF HSK-A100-EZ12SSU-200	A23	200	100	16	27	42	12	37	60	-	3.30	C	

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ezShrink EZSS & EZSSU // RF HSK-A-EZSS & RF HSK-A-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A032-EZ1/8"SS-3.15"	A20	3.15"	2.36"	0.36"	0.60"	-	1/8"	0.43"	-	-	0.30	A	
		RF HSK-A032-EZ1/8"SS-4.72"	A20	4.72"	3.94"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.70	A	
		RF HSK-A032-EZ3/16"SS-3.15"	A20	3.15"	2.36"	0.42"	0.66"	-	3/16"	0.55"	1.18"	-	0.30	A	
		RF HSK-A032-EZ3/16"SS-4.72"	A20	4.72"	3.94"	0.42"	0.82"	-	3/16"	0.55"	1.18"	-	0.70	A	
		RF HSK-A032-EZ1/4"SS-3.15"	A20	3.15"	2.36"	0.49"	0.73"	-	1/4"	0.91"	1.57"	-	0.40	A	
		RF HSK-A032-EZ1/4"SS-4.72"	A20	4.72"	3.94"	0.49"	0.89"	-	1/4"	0.91"	1.57"	-	0.80	A	
		RF HSK-A032-EZ5/16"SS-3.15"	A20	3.15"	2.36"	0.55"	0.79"	-	5/16"	1.06"	2.36"	-	0.40	A	
		RF HSK-A032-EZ5/16"SS-4.72"	A20	4.72"	3.94"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	0.80	A	
		RF HSK-A032-EZ3/8"SS-3.15"	A20	3.15"	2.36"	0.61"	0.85"	-	3/8"	1.26"	2.36"	-	0.50	A	
		RF HSK-A032-EZ3/8"SS-4.72"	A20	4.72"	3.94"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	0.90	A	
		RF HSK-A032-EZ7/16"SS-3.15"	A20	3.15"	2.36"	0.67"	0.91"	-	7/16"	1.26"	2.36"	-	0.50	A	
		RF HSK-A032-EZ7/16"SS-4.72"	A20	4.72"	3.94"	0.67"	1.02"	-	7/16"	1.26"	2.36"	-	0.90	A	
		RF HSK-A032-EZ1/2"SS-3.15"	A20	3.15"	2.36"	0.74"	0.98"	-	1/2"	1.46"	2.36"	-	0.60	A	
		RF HSK-A032-EZ1/2"SS-4.72"	A20	4.72"	3.94"	0.74"	1.02"	-	1/2"	1.46"	2.36"	-	1.00	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A032-EZ1/8"SSU-3.15"	A20	3.15"	2.36"	0.28"	0.52"	-	1/8"	0.43"	-	-	0.30	A	
		RF HSK-A032-EZ1/8"SSU-4.72"	A20	4.72"	3.94"	0.28"	0.68"	-	1/8"	0.43"	-	-	0.70	A	
		RF HSK-A032-EZ3/16"SSU-3.15"	A20	3.15"	2.36"	0.34"	0.58"	-	3/16"	0.55"	1.18"	-	0.30	A	
		RF HSK-A032-EZ3/16"SSU-4.72"	A20	4.72"	3.94"	0.34"	0.74"	-	3/16"	0.55"	1.18"	-	0.70	A	
		RF HSK-A032-EZ1/4"SSU-3.15"	A20	3.15"	2.36"	0.41"	0.65"	-	1/4"	0.91"	1.57"	-	0.40	A	
		RF HSK-A032-EZ1/4"SSU-4.72"	A20	4.72"	3.94"	0.41"	0.81"	-	1/4"	0.91"	1.57"	-	0.80	A	
		RF HSK-A032-EZ5/16"SSU-3.15"	A20	3.15"	2.36"	0.47"	0.71"	-	5/16"	1.06"	2.36"	-	0.40	A	
		RF HSK-A032-EZ5/16"SSU-4.72"	A20	4.72"	3.94"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	0.80	A	
		RF HSK-A032-EZ3/8"SSU-3.15"	A20	3.15"	2.36"	0.53"	0.77"	-	3/8"	1.26"	2.36"	-	0.50	A	
		RF HSK-A032-EZ3/8"SSU-4.72"	A20	4.72"	3.94"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	0.90	A	
		RF HSK-A032-EZ7/16"SSU-3.15"	A20	3.15"	2.36"	0.59"	0.83"	-	7/16"	1.26"	2.36"	-	0.50	A	
		RF HSK-A032-EZ7/16"SSU-4.72"	A20	4.72"	3.94"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	0.90	A	
		RF HSK-A032-EZ1/2"SSU-3.15"	A20	3.15"	2.36"	0.66"	0.90"	-	1/2"	1.46"	2.36"	-	0.60	A	
		RF HSK-A032-EZ1/2"SSU-4.72"	A20	4.72"	3.94"	0.66"	1.02"	-	1/2"	1.46"	2.36"	-	1.00	A	

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-A040-EZ1/8"SS-3.15"	A20	3.15"	2.36"	0.36"	0.60"	-	1/8"	0.43"	-	-	0.40	A	
	RF HSK-A040-EZ1/8"SS-4.72"	A20	4.72"	3.94"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.80	A	
	RF HSK-A040-EZ3/16"SS-3.15"	A20	3.15"	2.36"	0.42"	0.66"	-	3/16"	0.55"	1.18"	-	0.40	A	
	RF HSK-A040-EZ3/16"SS-4.72"	A20	4.72"	3.94"	0.42"	0.82"	-	3/16"	0.55"	1.18"	-	0.80	A	
	RF HSK-A040-EZ1/4"SS-3.15"	A20	3.15"	2.36"	0.49"	0.73"	-	1/4"	0.91"	1.57"	-	0.50	A	
	RF HSK-A040-EZ1/4"SS-4.72"	A20	4.72"	3.94"	0.49"	0.89"	-	1/4"	0.91"	1.57"	-	0.90	A	
	RF HSK-A040-EZ5/16"SS-3.15"	A20	3.15"	2.36"	0.55"	0.79"	-	5/16"	1.06"	2.36"	-	0.50	A	
	RF HSK-A040-EZ5/16"SS-4.72"	A20	4.72"	3.94"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	0.90	A	
	RF HSK-A040-EZ3/8"SS-3.15"	A20	3.15"	2.36"	0.61"	0.85"	-	3/8"	1.26"	2.36"	-	0.60	A	
	RF HSK-A040-EZ3/8"SS-4.72"	A20	4.72"	3.94"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.00	A	
	RF HSK-A040-EZ7/16"SS-3.15"	A20	3.15"	2.36"	0.67"	0.91"	-	7/16"	1.26"	2.36"	-	0.60	A	
	RF HSK-A040-EZ7/16"SS-4.72"	A20	4.72"	3.94"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.00	A	
	RF HSK-A040-EZ1/2"SS-3.15"	A20	3.15"	2.36"	0.74"	0.98"	-	1/2"	1.46"	2.36"	-	0.70	A	
	RF HSK-A040-EZ1/2"SS-4.72"	A20	4.72"	3.94"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.10	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-A040-EZ1/8"SSU-3.15"	A20	3.15"	2.36"	0.28"	0.52"	-	1/8"	0.43"	-	-	0.40	A	
	RF HSK-A040-EZ1/8"SSU-4.72"	A20	4.72"	3.94"	0.28"	0.68"	-	1/8"	0.43"	-	-	0.80	A	
	RF HSK-A040-EZ3/16"SSU-3.15"	A20	3.15"	2.36"	0.34"	0.58"	-	3/16"	0.55"	1.18"	-	0.40	A	
	RF HSK-A040-EZ3/16"SSU-4.72"	A20	4.72"	3.94"	0.34"	0.74"	-	3/16"	0.55"	1.18"	-	0.80	A	
	RF HSK-A040-EZ1/4"SSU-3.15"	A20	3.15"	2.36"	0.41"	0.65"	-	1/4"	0.91"	1.57"	-	0.50	A	
	RF HSK-A040-EZ1/4"SSU-4.72"	A20	4.72"	3.94"	0.41"	0.81"	-	1/4"	0.91"	1.57"	-	0.90	A	
	RF HSK-A040-EZ5/16"SSU-3.15"	A20	3.15"	2.36"	0.47"	0.71"	-	5/16"	1.06"	2.36"	-	0.50	A	
	RF HSK-A040-EZ5/16"SSU-4.72"	A20	4.72"	3.94"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	0.90	A	
	RF HSK-A040-EZ3/8"SSU-3.15"	A20	3.15"	2.36"	0.53"	0.77"	-	3/8"	1.26"	2.36"	-	0.60	A	
	RF HSK-A040-EZ3/8"SSU-4.72"	A20	4.72"	3.94"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.00	A	
	RF HSK-A040-EZ7/16"SSU-3.15"	A20	3.15"	2.36"	0.59"	0.83"	-	7/16"	1.26"	2.36"	-	0.60	A	
	RF HSK-A040-EZ7/16"SSU-4.72"	A20	4.72"	3.94"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.00	A	
	RF HSK-A040-EZ1/2"SSU-3.15"	A20	3.15"	2.36"	0.66"	0.90"	-	1/2"	1.46"	2.36"	-	0.70	A	
	RF HSK-A040-EZ1/2"SSU-4.72"	A20	4.72"	3.94"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.10	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

ezShrink EZSS & EZSSU // RF HSK-A-EZSS & RF HSK-A-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A050-EZ1/8"SS-4.72"	A20	4.72"	3.70"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-A050-EZ1/8"SS-6.30"	A21	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.30	A	
		RF HSK-A050-EZ3/16"SS-4.72"	A20	4.72"	3.70"	0.42"	0.82"	-	3/16"	0.55"	-	-	0.90	A	
		RF HSK-A050-EZ3/16"SS-6.30"	A21	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.30	A	
		RF HSK-A050-EZ1/4"SS-4.72"	A20	4.72"	3.70"	0.49"	0.89"	-	1/4"	0.91"	-	-	0.90	A	
		RF HSK-A050-EZ1/4"SS-6.30"	A21	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.30	A	
		RF HSK-A050-EZ5/16"SS-4.72"	A20	4.72"	3.70"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	1.00	A	
		RF HSK-A050-EZ5/16"SS-6.30"	A21	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	2.36"	-	1.40	A	
		RF HSK-A050-EZ3/8"SS-4.72"	A20	4.72"	3.70"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-A050-EZ3/8"SS-6.30"	A21	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	1.40	A	
		RF HSK-A050-EZ7/16"SS-4.72"	A20	4.72"	3.70"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-A050-EZ7/16"SS-6.30"	A21	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	1.50	A	
		RF HSK-A050-EZ1/2"SS-4.72"	A20	4.72"	3.70"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.10	A	
		RF HSK-A050-EZ1/2"SS-6.30"	A21	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	1.50	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A050-EZ1/8"SSU-4.72"	A22	4.72"	3.70"	0.28"	0.68"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-A050-EZ1/8"SSU-6.30"	A23	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.30	A	
		RF HSK-A050-EZ3/16"SSU-4.72"	A22	4.72"	3.70"	0.34"	0.74"	-	3/16"	0.55"	-	-	0.90	A	
		RF HSK-A050-EZ3/16"SSU-6.30"	A23	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.30	A	
		RF HSK-A050-EZ1/4"SSU-4.72"	A22	4.72"	3.70"	0.41"	0.81"	-	1/4"	0.91"	-	-	0.90	A	
		RF HSK-A050-EZ1/4"SSU-6.30"	A23	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.30	A	
		RF HSK-A050-EZ5/16"SSU-4.72"	A22	4.72"	3.70"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	1.00	A	
		RF HSK-A050-EZ5/16"SSU-6.30"	A23	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	2.36"	-	1.40	A	
		RF HSK-A050-EZ3/8"SSU-4.72"	A22	4.72"	3.70"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-A050-EZ3/8"SSU-6.30"	A23	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	1.40	A	
		RF HSK-A050-EZ7/16"SSU-4.72"	A22	4.72"	3.70"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-A050-EZ7/16"SSU-6.30"	A23	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	1.50	A	
		RF HSK-A050-EZ1/2"SSU-4.72"	A22	4.72"	3.70"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.10	A	
		RF HSK-A050-EZ1/2"SSU-6.30"	A23	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	1.50	A	

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動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-A063-EZ1/8"SS-4.72"	A20	4.72"	3.70"	0.36"	0.76"	-	1/8"	0.43"	-	-	1.00	A	
	RF HSK-A063-EZ1/8"SS-6.30"	A21	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.40	A	
	RF HSK-A063-EZ1/8"SS-7.87"	A21	7.87"	3.94"	0.36"	0.80"	1.54"	1/8"	0.43"	-	-	1.80	A	
	RF HSK-A063-EZ3/16"SS-4.72"	A20	4.72"	3.70"	0.42"	0.82"	-	3/16"	0.55"	-	-	1.00	A	
	RF HSK-A063-EZ3/16"SS-6.30"	A21	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.40	A	
	RF HSK-A063-EZ3/16"SS-7.87"	A21	7.87"	3.94"	0.42"	0.86"	1.58"	3/16"	0.55"	-	-	1.80	A	
	RF HSK-A063-EZ1/4"SS-4.72"	A20	4.72"	3.70"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.00	A	
	RF HSK-A063-EZ1/4"SS-6.30"	A21	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.40	A	
	RF HSK-A063-EZ1/4"SS-7.87"	A21	7.87"	3.94"	0.49"	0.93"	1.62"	1/4"	0.91"	-	-	1.80	A	
	RF HSK-A063-EZ5/16"SS-4.72"	A20	4.72"	3.70"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	1.10	A	
	RF HSK-A063-EZ5/16"SS-6.30"	A21	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	2.36"	-	1.50	A	
	RF HSK-A063-EZ5/16"SS-7.87"	A21	7.87"	3.94"	0.55"	0.99"	1.66"	5/16"	1.06"	2.36"	-	1.90	A	
	RF HSK-A063-EZ3/8"SS-4.72"	A20	4.72"	3.70"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.10	A	
	RF HSK-A063-EZ3/8"SS-6.30"	A21	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	1.50	A	
	RF HSK-A063-EZ3/8"SS-7.87"	A21	7.87"	3.94"	0.61"	1.05"	1.66"	3/8"	1.26"	2.36"	-	1.90	A	
	RF HSK-A063-EZ7/16"SS-4.72"	A20	4.72"	3.70"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.20	A	
	RF HSK-A063-EZ7/16"SS-6.30"	A21	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	1.60	A	
	RF HSK-A063-EZ7/16"SS-7.87"	A21	7.87"	3.94"	0.67"	1.11"	1.74"	7/16"	1.26"	2.36"	-	2.00	A	
	RF HSK-A063-EZ1/2"SS-4.72"	A20	4.72"	3.70"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.20	A	
	RF HSK-A063-EZ1/2"SS-6.30"	A21	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	1.60	A	
	RF HSK-A063-EZ1/2"SS-7.87"	A21	7.87"	3.94"	0.74"	1.18"	1.74"	1/2"	1.46"	2.36"	-	2.00	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-A063-EZ1/8"SSU-4.72"	A22	4.72"	3.70"	0.28"	0.68"	-	1/8"	0.43"	-	-	1.00	A	
	RF HSK-A063-EZ1/8"SSU-6.30"	A23	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.40	A	
	RF HSK-A063-EZ1/8"SSU-7.87"	A23	7.87"	3.94"	0.28"	0.72"	1.46"	1/8"	0.43"	-	-	1.80	A	
	RF HSK-A063-EZ3/16"SSU-4.72"	A22	4.72"	3.70"	0.34"	0.74"	-	3/16"	0.55"	-	-	1.00	A	
	RF HSK-A063-EZ3/16"SSU-6.30"	A23	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.40	A	
	RF HSK-A063-EZ3/16"SSU-7.87"	A23	7.87"	3.94"	0.34"	0.78"	1.50"	3/16"	0.55"	-	-	1.80	A	
	RF HSK-A063-EZ1/4"SSU-4.72"	A22	4.72"	3.70"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.00	A	
	RF HSK-A063-EZ1/4"SSU-6.30"	A23	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.40	A	
	RF HSK-A063-EZ1/4"SSU-7.87"	A23	7.87"	3.94"	0.41"	0.85"	1.54"	1/4"	0.91"	-	-	1.80	A	
	RF HSK-A063-EZ5/16"SSU-4.72"	A22	4.72"	3.70"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	1.10	A	
	RF HSK-A063-EZ5/16"SSU-6.30"	A23	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	2.36"	-	1.50	A	
	RF HSK-A063-EZ5/16"SSU-7.87"	A23	7.87"	3.94"	0.47"	0.91"	1.58"	5/16"	1.06"	2.36"	-	1.90	A	
	RF HSK-A063-EZ3/8"SSU-4.72"	A22	4.72"	3.70"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.10	A	
	RF HSK-A063-EZ3/8"SSU-6.30"	A23	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	1.50	A	
	RF HSK-A063-EZ3/8"SSU-7.87"	A23	7.87"	3.94"	0.53"	0.97"	1.58"	3/8"	1.26"	2.36"	-	1.90	A	
	RF HSK-A063-EZ7/16"SSU-4.72"	A22	4.72"	3.70"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.20	A	
	RF HSK-A063-EZ7/16"SSU-6.30"	A23	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	1.60	A	
	RF HSK-A063-EZ7/16"SSU-7.87"	A23	7.87"	3.94"	0.59"	1.03"	1.66"	7/16"	1.26"	2.36"	-	2.00	A	
	RF HSK-A063-EZ1/2"SSU-4.72"	A22	4.72"	3.70"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.20	A	
	RF HSK-A063-EZ1/2"SSU-6.30"	A23	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	1.60	A	
	RF HSK-A063-EZ1/2"SSU-7.87"	A23	7.87"	3.94"	0.66"	1.10"	1.66"	1/2"	1.46"	2.36"	-	2.00	A	

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ezShrink EZSS & EZSSU // RF HSK-A-EZSS & RF HSK-A-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A080-EZ1/8"SS-4.72"	A20	4.72"	3.70"	0.36"	0.76"	-	1/8"	0.43"	-	-	1.70	C	
		RF HSK-A080-EZ1/8"SS-6.30"	A21	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	2.10	C	
		RF HSK-A080-EZ3/16"SS-4.72"	A20	4.72"	3.70"	0.42"	0.82"	-	3/16"	0.55"	-	-	1.70	C	
		RF HSK-A080-EZ3/16"SS-6.30"	A21	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	2.10	C	
		RF HSK-A080-EZ1/4"SS-4.72"	A20	4.72"	3.70"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.70	C	
		RF HSK-A080-EZ1/4"SS-6.30"	A21	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	2.10	C	
		RF HSK-A080-EZ5/16"SS-4.72"	A20	4.72"	3.70"	0.55"	0.95"	-	5/16"	1.06"	-	-	1.80	C	
		RF HSK-A080-EZ5/16"SS-6.30"	A21	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	-	-	2.20	C	
		RF HSK-A080-EZ3/8"SS-4.72"	A20	4.72"	3.70"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.80	C	
		RF HSK-A080-EZ3/8"SS-6.30"	A21	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	2.20	C	
		RF HSK-A080-EZ7/16"SS-4.72"	A20	4.72"	3.70"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.90	C	
		RF HSK-A080-EZ7/16"SS-6.30"	A21	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	2.30	C	
		RF HSK-A080-EZ1/2"SS-4.72"	A20	4.72"	3.70"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.90	C	
		RF HSK-A080-EZ1/2"SS-6.30"	A21	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	2.30	C	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-A080-EZ1/8"SSU-4.72"	A22	4.72"	3.70"	0.28"	0.68"	-	1/8"	0.43"	-	-	1.70	C	
		RF HSK-A080-EZ1/8"SSU-6.30"	A23	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	2.10	C	
		RF HSK-A080-EZ3/16"SSU-4.72"	A22	4.72"	3.70"	0.34"	0.74"	-	3/16"	0.55"	-	-	1.70	C	
		RF HSK-A080-EZ3/16"SSU-6.30"	A23	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	2.10	C	
		RF HSK-A080-EZ1/4"SSU-4.72"	A22	4.72"	3.70"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.70	C	
		RF HSK-A080-EZ1/4"SSU-6.30"	A23	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	2.10	C	
		RF HSK-A080-EZ5/16"SSU-4.72"	A22	4.72"	3.70"	0.47"	0.87"	-	5/16"	1.06"	-	-	1.80	C	
		RF HSK-A080-EZ5/16"SSU-6.30"	A23	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	-	-	2.20	C	
		RF HSK-A080-EZ3/8"SSU-4.72"	A22	4.72"	3.70"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.80	C	
		RF HSK-A080-EZ3/8"SSU-6.30"	A23	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	2.20	C	
		RF HSK-A080-EZ7/16"SSU-4.72"	A22	4.72"	3.70"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.90	C	
		RF HSK-A080-EZ7/16"SSU-6.30"	A23	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	2.30	C	
		RF HSK-A080-EZ1/2"SSU-4.72"	A22	4.72"	3.70"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.90	C	
		RF HSK-A080-EZ1/2"SSU-6.30"	A23	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	2.30	C	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-A100-EZ1/8"SS-4.72"	A20	4.72"	3.58"	0.36"	0.76"	-	1/8"	0.43"	-	-	2.30	C	
	RF HSK-A100-EZ1/8"SS-6.30"	A21	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	2.70	C	
	RF HSK-A100-EZ1/8"SS-7.87"	A21	7.87"	3.94"	0.36"	0.80"	1.54"	1/8"	0.43"	-	-	3.10	C	
	RF HSK-A100-EZ3/16"SS-4.72"	A20	4.72"	3.58"	0.42"	0.82"	-	3/16"	0.55"	-	-	2.30	C	
	RF HSK-A100-EZ3/16"SS-6.30"	A21	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	2.70	C	
	RF HSK-A100-EZ3/16"SS-7.87"	A21	7.87"	3.94"	0.42"	0.86"	1.58"	3/16"	0.55"	-	-	3.10	C	
	RF HSK-A100-EZ1/4"SS-4.72"	A20	4.72"	3.58"	0.49"	0.89"	-	1/4"	0.91"	-	-	2.30	C	
	RF HSK-A100-EZ1/4"SS-6.30"	A21	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	2.70	C	
	RF HSK-A100-EZ1/4"SS-7.87"	A21	7.87"	3.94"	0.49"	0.93"	1.62"	1/4"	0.91"	-	-	3.10	C	
	RF HSK-A100-EZ5/16"SS-4.72"	A20	4.72"	3.58"	0.55"	0.95"	-	5/16"	1.06"	-	-	2.40	C	
	RF HSK-A100-EZ5/16"SS-6.30"	A21	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	-	-	2.80	C	
	RF HSK-A100-EZ5/16"SS-7.87"	A21	7.87"	3.94"	0.55"	0.99"	1.66"	5/16"	1.06"	-	-	3.20	C	
	RF HSK-A100-EZ3/8"SS-4.72"	A20	4.72"	3.58"	0.61"	1.01"	-	3/8"	1.26"	-	-	2.40	C	
	RF HSK-A100-EZ3/8"SS-6.30"	A21	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	-	-	2.80	C	
	RF HSK-A100-EZ3/8"SS-7.87"	A21	7.87"	3.94"	0.61"	1.05"	1.66"	3/8"	1.26"	-	-	3.20	C	
	RF HSK-A100-EZ7/16"SS-4.72"	A20	4.72"	3.58"	0.67"	1.07"	-	7/16"	1.26"	-	-	2.50	C	
	RF HSK-A100-EZ7/16"SS-6.30"	A21	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	-	-	2.90	C	
	RF HSK-A100-EZ7/16"SS-7.87"	A21	7.87"	3.94"	0.67"	1.11"	1.74"	7/16"	1.26"	-	-	3.30	C	
	RF HSK-A100-EZ1/2"SS-4.72"	A20	4.72"	3.58"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	2.50	C	
	RF HSK-A100-EZ1/2"SS-6.30"	A21	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	2.90	C	
	RF HSK-A100-EZ1/2"SS-7.87"	A21	7.87"	3.94"	0.74"	1.18"	1.74"	1/2"	1.46"	2.36"	-	3.30	C	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-A100-EZ1/8"SSU-4.72"	A22	4.72"	3.58"	0.28"	0.68"	-	1/8"	0.43"	-	-	2.30	C	
	RF HSK-A100-EZ1/8"SSU-6.30"	A23	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	2.70	C	
	RF HSK-A100-EZ1/8"SSU-7.87"	A23	7.87"	3.94"	0.28"	0.72"	1.46"	1/8"	0.43"	-	-	3.10	C	
	RF HSK-A100-EZ3/16"SSU-4.72"	A22	4.72"	3.58"	0.34"	0.74"	-	3/16"	0.55"	-	-	2.30	C	
	RF HSK-A100-EZ3/16"SSU-6.30"	A23	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	2.70	C	
	RF HSK-A100-EZ3/16"SSU-7.87"	A23	7.87"	3.94"	0.34"	0.78"	1.50"	3/16"	0.55"	-	-	3.10	C	
	RF HSK-A100-EZ1/4"SSU-4.72"	A22	4.72"	3.58"	0.41"	0.81"	-	1/4"	0.91"	-	-	2.30	C	
	RF HSK-A100-EZ1/4"SSU-6.30"	A23	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	2.70	C	
	RF HSK-A100-EZ1/4"SSU-7.87"	A23	7.87"	3.94"	0.41"	0.85"	1.54"	1/4"	0.91"	-	-	3.10	C	
	RF HSK-A100-EZ5/16"SSU-4.72"	A22	4.72"	3.58"	0.47"	0.87"	-	5/16"	1.06"	-	-	2.40	C	
	RF HSK-A100-EZ5/16"SSU-6.30"	A23	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	-	-	2.80	C	
	RF HSK-A100-EZ5/16"SSU-7.87"	A23	7.87"	3.94"	0.47"	0.91"	1.58"	5/16"	1.06"	-	-	3.20	C	
	RF HSK-A100-EZ3/8"SSU-4.72"	A22	4.72"	3.58"	0.53"	0.93"	-	3/8"	1.26"	-	-	2.40	C	
	RF HSK-A100-EZ3/8"SSU-6.30"	A23	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	-	-	2.80	C	
	RF HSK-A100-EZ3/8"SSU-7.87"	A23	7.87"	3.94"	0.53"	0.97"	1.58"	3/8"	1.26"	-	-	3.20	C	
	RF HSK-A100-EZ7/16"SSU-4.72"	A22	4.72"	3.58"	0.59"	0.99"	-	7/16"	1.26"	-	-	2.50	C	
	RF HSK-A100-EZ7/16"SSU-6.30"	A23	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	-	-	2.90	C	
	RF HSK-A100-EZ7/16"SSU-7.87"	A23	7.87"	3.94"	0.59"	1.03"	1.66"	7/16"	1.26"	-	-	3.30	C	
	RF HSK-A100-EZ1/2"SSU-4.72"	A22	4.72"	3.58"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	2.50	C	
	RF HSK-A100-EZ1/2"SSU-6.30"	A23	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	2.90	C	
	RF HSK-A100-EZ1/2"SSU-7.87"	A23	7.87"	3.94"	0.66"	1.10"	1.66"	1/2"	1.46"	2.36"	-	3.30	C	

STOCK ◎=標準在庫品 // STOCK ○=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

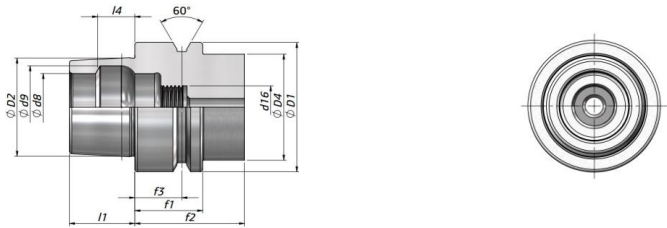
HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink EZ // HSK-E

ezShrink EZ // HSK-E

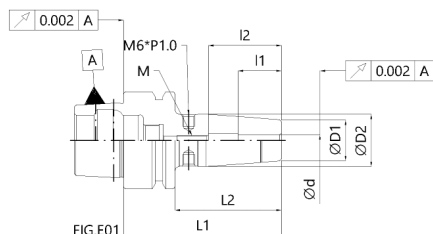
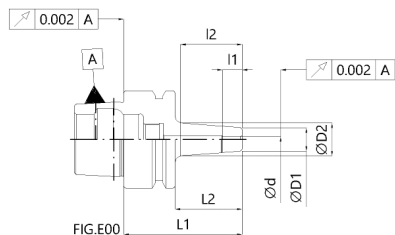
HSK is hollow shank short taper toolholders
It was developed by Achen University in Germany in 1991
In 1993, Germany published it as norm DIN69893-1~6:1993
There are six different type of HSK: A, B, C, D, E & F
In 2001, ISO published it as norm ISO12164-1:2001
ISO revised the taper angle from 1:10 to 1:9.98
It was to make sure the taper D2 will contact the spindle
when HSK toolholder has dual contact on taper and face

HSK是中空短圓錐刀柄
始於1991年德國阿亨大學開發
1993年成為德國規範DIN69893-1~6:1993
共有A, B, C, D, E & F六種錐度形式
2001年成為ISO規範ISO12164-1:2001
並將原本1/10的錐度改為1/9.98
確保錐度與端面兩面接觸時
中空短圓錐的大端能確實接觸



CLAMPING FORCE	HSK-E020	HSK-E025	HSK-E032	HSK-E040	HSK-E050	HSK-E063
	-	1.5KN	2.5KN	4.0KN	5.5KN	10KN

TAPER	HSK-E020	HSK-E025	HSK-E032	HSK-E040	HSK-E050	HSK-E063
$\varnothing D1$ h10	20	25	32	40	50	63
$\varnothing D2$	15 +0.2045/+0.2015	19 +0.0070/+0.0030	24 +0.0090/+0.0050	30 +0.0090/+0.0050	38 +0.0115/+0.0065	48 +0.0130/+0.007
$\varnothing D4$ max.	16	20	26	34	42	53
d16	M6*P1.0	M8*P1.0	M10*P1.0	M12*P1.0	M16*P1.0	M18*P1.0
$\varnothing d8$ H10	12	14	17	21	26	34
$\varnothing d9$ H11	-	16	21	26	32	40
f1 0.0/-0.1	8	10	20	20	26	26
f2 min.	16	20	35	35	42	42
f3 +/-0.1	3.5	5	16	16	18	18
l1 0.0/-0.2	10	13	16	20	25	32
l4 JS10	5.8	7	9	11	14	18



動平衡G2.5/40,000RPM-G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM-G2.5/30,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	HSK-E032-EZ03-060	E00	60	40	12	17	-	3	11	-	-	0.20	A	
▲	HSK-E032-EZ04-060	E00	60	40	12	17	-	4	14	-	-	0.20	A	
▲	HSK-E032-EZ05-060	E00	60	40	12	17	-	5	17	-	-	0.20	A	
O	HSK-E032-EZ06-070	E01	70	50	21	26	-	6	23	36	M5*P0.8	0.40	A	
O	HSK-E032-EZ08-070	E01	70	50	21	26	-	8	23	36	M6*P1.0	0.40	A	
O	HSK-E032-EZ10-070	E01	70	50	24	29	-	10	32	42	M8*P1.0	0.50	A	
O	HSK-E032-EZ12-080	E01	80	60	24	29	-	12	37	47	M10*P1.0	0.60	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	HSK-E040-EZ03-060	E00	60	40	12	17	-	3	11	-	-	0.30	A	
▲	HSK-E040-EZ04-060	E00	60	40	12	17	-	4	14	-	-	0.30	A	
▲	HSK-E040-EZ05-060	E00	60	40	12	17	-	5	17	-	-	0.30	A	
O	HSK-E040-EZ06-080	E01	80	60	21	27	-	6	23	37	M5*P0.8	0.60	A	
O	HSK-E040-EZ08-080	E01	80	60	21	27	-	8	27	37	M6*P1.0	0.60	A	
O	HSK-E040-EZ10-080	E01	80	60	24	32	-	10	32	42	M8*P1.0	0.70	A	
O	HSK-E040-EZ12-090	E01	90	70	24	32	-	12	37	48	M10*P1.0	0.80	A	
O	HSK-E040-EZ14-090	E01	90	70	27	34	-	14	37	48	M10*P1.0	0.90	A	
O	HSK-E040-EZ16-090	E01	90	70	27	34	-	16	40	51	M12*P1.0	0.90	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	HSK-E050-EZ03-060	E00	60	34	12	17	-	3	11	-	-	0.40	A	
▲	HSK-E050-EZ04-060	E00	60	34	12	17	-	4	14	-	-	0.40	A	
▲	HSK-E050-EZ05-060	E00	60	34	12	17	-	5	17	-	-	0.40	A	
O	HSK-E050-EZ06-080	E01	80	54	21	27	-	6	23	37	M5*P0.8	0.70	A	
O	HSK-E050-EZ08-080	E01	80	54	21	27	-	8	27	37	M6*P1.0	0.70	A	
O	HSK-E050-EZ10-085	E01	85	59	24	32	-	10	32	42	M8*P1.0	0.90	A	
O	HSK-E050-EZ12-090	E01	90	64	24	32	-	12	37	48	M10*P1.0	0.90	A	
O	HSK-E050-EZ14-090	E01	90	64	27	34	-	14	37	48	M10*P1.0	1.00	A	
O	HSK-E050-EZ16-095	E01	95	69	27	34	-	16	40	51	M12*P1.0	1.10	A	
O	HSK-E050-EZ18-095	E01	95	69	33	41	-	18	40	51	M12*P1.0	1.20	A	
O	HSK-E050-EZ20-100	E01	100	74	33	41	-	20	42	53	M16*P1.0	1.20	A	

產品FIG.E01 出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.E01 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK O=少量在庫品 // STOCK O=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink EZ // HSK-E-EZ inch

ezShrink 熱膨脹燒結刀柄-英制

ezShrink shrink fit chucks-inch

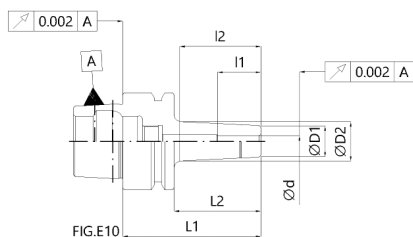
動平衡G2.5/40,000RPM-G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM-G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-E032-EZ1/4"-2.76"	E01	2.76"	1.97"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.40	A	
O		HSK-E032-EZ5/16"-2.76"	E01	2.76"	1.97"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.40	A	
O		HSK-E032-EZ3/8"-2.76"	E01	2.76"	1.97"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.50	A	
O		HSK-E032-EZ7/16"-3.15"	E01	3.15"	2.36"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	0.60	A	
O		HSK-E032-EZ1/2"-3.15"	E01	3.15"	2.36"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	0.70	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-E040-EZ1/4"-3.15"	E01	3.15"	2.36"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.60	A	
O		HSK-E040-EZ5/16"-3.15"	E01	3.15"	2.36"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.60	A	
O		HSK-E040-EZ3/8"-3.15"	E01	3.15"	2.36"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.70	A	
O		HSK-E040-EZ7/16"-3.54"	E01	3.54"	2.76"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	0.80	A	
O		HSK-E040-EZ1/2"-3.54"	E01	3.54"	2.76"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	0.90	A	
O		HSK-E040-EZ5/8"-3.54"	E01	3.54"	2.76"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	0.90	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-E050-EZ1/4"-3.15"	E01	3.15"	2.13"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.70	A	
O		HSK-E050-EZ5/16"-3.15"	E01	3.15"	2.13"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.70	A	
O		HSK-E050-EZ3/8"-3.35"	E01	3.35"	2.32"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.90	A	
O		HSK-E050-EZ7/16"-3.54"	E01	3.54"	2.52"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	0.90	A	
O		HSK-E050-EZ1/2"-3.54"	E01	3.54"	2.52"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.00	A	
O		HSK-E050-EZ5/8"-3.74"	E01	3.74"	2.72"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.10	A	
O		HSK-E050-EZ3/4"-3.94"	E01	3.94"	2.91"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	1.20	A	
O		HSK-E050-EZ7/8"-3.94"	E01	3.94"	2.91"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.20	A	

產品FIG.E01出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.E01 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-E025-EZ03SR-050	E10	50	40	13	17	-	3	11	30	-	0.10	A	
	HSK-E025-EZ03SR-070	E10	70	60	13	19	-	3	11	30	-	0.30	A	
	HSK-E025-EZ04SR-050	E10	50	40	14	18	-	4	14	30	-	0.10	A	
	HSK-E025-EZ04SR-070	E10	70	60	14	20	-	4	14	30	-	0.30	A	
	HSK-E025-EZ05SR-050	E10	50	40	15	19	-	5	17	30	-	0.10	A	
	HSK-E025-EZ05SR-070	E10	70	60	15	20	-	5	17	30	-	0.30	A	
	HSK-E025-EZ06SR-050	E10	50	40	16	20	-	6	23	40	-	0.20	A	
	HSK-E025-EZ06SR-070	E10	70	60	16	20	-	6	23	40	-	0.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎	HSK-E032-EZ03SR-060	E10	60	40	13	17	-	3	11	-	-	0.20	A	
◎	HSK-E032-EZ03SR-080	E10	80	60	13	19	-	3	11	-	-	0.40	A	
◎	HSK-E032-EZ04SR-060	E10	60	40	14	18	-	4	14	30	-	0.20	A	
◎	HSK-E032-EZ04SR-080	E10	80	60	14	20	-	4	14	30	-	0.40	A	
◎	HSK-E032-EZ05SR-060	E10	60	40	15	19	-	5	17	30	-	0.20	A	
◎	HSK-E032-EZ05SR-080	E10	80	60	15	21	-	5	17	30	-	0.40	A	
◎	HSK-E032-EZ06SR-060	E10	60	40	16	20	-	6	23	40	-	0.30	A	
◎	HSK-E032-EZ06SR-080	E10	80	60	16	22	-	6	23	40	-	0.50	A	
◎	HSK-E032-EZ08SR-060	E10	60	40	18	22	-	8	27	41	-	0.30	A	
◎	HSK-E032-EZ08SR-080	E10	80	60	18	24	-	8	27	60	-	0.50	A	
◎	HSK-E032-EZ10SR-060	E10	60	40	20	24	-	10	31	41	-	0.40	A	
◎	HSK-E032-EZ10SR-080	E10	80	60	20	26	-	10	32	60	-	0.60	A	
◎	HSK-E032-EZ12SR-060	E10	60	40	22	26	-	12	31	41	-	0.40	A	
◎	HSK-E032-EZ12SR-080	E10	80	60	22	26	-	12	37	60	-	0.60	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎	HSK-E040-EZ03SR-060	E10	60	40	13	17	-	3	11	-	-	0.30	A	
◎	HSK-E040-EZ03SR-080	E10	80	60	13	19	-	3	11	-	-	0.50	A	
◎	HSK-E040-EZ04SR-060	E10	60	40	14	18	-	4	14	-	-	0.30	A	
◎	HSK-E040-EZ04SR-080	E10	80	60	14	20	-	4	14	-	-	0.50	A	
◎	HSK-E040-EZ05SR-060	E10	60	40	15	19	-	5	17	30	-	0.30	A	
◎	HSK-E040-EZ05SR-080	E10	80	60	15	21	-	5	17	30	-	0.50	A	
◎	HSK-E040-EZ06SR-060	E10	60	40	16	20	-	6	23	39	-	0.40	A	
◎	HSK-E040-EZ06SR-080	E10	80	60	16	22	-	6	23	40	-	0.60	A	
◎	HSK-E040-EZ08SR-060	E10	60	40	18	22	-	8	27	39	-	0.40	A	
◎	HSK-E040-EZ08SR-080	E10	80	60	18	24	-	8	27	59	-	0.60	A	
◎	HSK-E040-EZ10SR-060	E10	60	40	20	24	-	10	29	39	-	0.50	A	
◎	HSK-E040-EZ10SR-080	E10	80	60	20	26	-	10	32	59	-	0.70	A	
◎	HSK-E040-EZ12SR-060	E10	60	40	22	26	-	12	29	39	-	0.50	A	
◎	HSK-E040-EZ12SR-080	E10	80	60	22	28	-	12	37	59	-	0.70	A	
◎	HSK-E040-EZ14SR-060	E10	60	40	24	28	-	14	29	39	-	0.60	A	
◎	HSK-E040-EZ14SR-080	E10	80	60	24	30	-	14	37	59	-	0.80	A	
◎	HSK-E040-EZ16SR-060	E10	60	40	26	30	-	16	29	39	-	0.60	A	
◎	HSK-E040-EZ16SR-080	E10	80	60	26	32	-	16	40	59	-	0.80	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

ezShrink EZSR // HSK-E-EZSR

ezShrink SlimRegular 細型熱膨脹燒結刀柄
ezShrink SlimRegular shrink fit chucks

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	◎	HSK-E050-EZ03SR-070	E10	70	44	13	18	-	3	11	-	-	0.50	A	
	◎	HSK-E050-EZ03SR-100	E10	100	74	13	21	-	3	11	-	-	0.80	A	
	◎	HSK-E050-EZ04SR-070	E10	70	44	14	19	-	4	14	-	-	0.50	A	
	◎	HSK-E050-EZ04SR-100	E10	100	74	14	22	-	4	14	-	-	0.80	A	
	◎	HSK-E050-EZ05SR-070	E10	70	44	15	20	-	5	17	-	-	0.50	A	
	◎	HSK-E050-EZ05SR-100	E10	100	74	15	23	-	5	17	-	-	0.80	A	
	◎	HSK-E050-EZ06SR-070	E10	70	44	16	21	-	6	23	-	-	0.60	A	
	◎	HSK-E050-EZ06SR-100	E10	100	74	16	24	-	6	23	-	-	0.90	A	
	◎	HSK-E050-EZ08SR-070	E10	70	44	18	23	-	8	27	45	-	0.60	A	
	◎	HSK-E050-EZ08SR-100	E10	100	74	18	26	-	8	27	60	-	0.90	A	
	◎	HSK-E050-EZ10SR-070	E10	70	44	20	25	-	10	32	45	-	0.70	A	
	◎	HSK-E050-EZ10SR-100	E10	100	74	20	28	-	10	32	60	-	1.00	A	
	◎	HSK-E050-EZ12SR-070	E10	70	44	22	27	-	12	35	45	-	0.70	A	
	◎	HSK-E050-EZ12SR-100	E10	100	74	22	30	-	12	37	60	-	1.00	A	
	◎	HSK-E050-EZ14SR-070	E10	70	44	24	29	-	14	35	45	-	0.80	A	
	◎	HSK-E050-EZ14SR-100	E10	100	74	24	32	-	14	37	75	-	1.10	A	
	◎	HSK-E050-EZ16SR-070	E10	70	44	26	31	-	16	35	45	-	0.80	A	
	◎	HSK-E050-EZ16SR-100	E10	100	74	26	34	-	16	40	75	-	1.10	A	
	◎	HSK-E050-EZ18SR-070	E10	70	44	26	33	-	18	35	45	-	0.90	A	
	◎	HSK-E050-EZ18SR-100	E10	100	74	26	36	-	18	40	75	-	1.20	A	
	◎	HSK-E050-EZ20SR-070	E10	70	44	26	35	-	20	35	45	-	0.90	A	
	◎	HSK-E050-EZ20SR-100	E10	100	74	26	38	-	20	42	75	-	1.20	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		HSK-E063-EZ03SR-070	E10	70	44	13	18	-	3	11	-	-	0.60	A	
		HSK-E063-EZ03SR-100	E10	100	74	13	21	-	3	11	-	-	0.90	A	
		HSK-E063-EZ04SR-070	E10	70	44	14	19	-	4	14	-	-	0.60	A	
		HSK-E063-EZ04SR-100	E10	100	74	14	22	-	4	14	-	-	0.90	A	
		HSK-E063-EZ05SR-070	E10	70	44	15	20	-	5	17	-	-	0.60	A	
		HSK-E063-EZ05SR-100	E10	100	74	15	23	-	5	17	-	-	0.90	A	
		HSK-E063-EZ06SR-070	E10	70	44	16	21	-	6	23	-	-	0.70	A	
		HSK-E063-EZ06SR-100	E10	100	74	16	24	-	6	23	-	-	1.00	A	
		HSK-E063-EZ08SR-070	E10	70	44	18	23	-	8	27	43	-	0.70	A	
		HSK-E063-EZ08SR-100	E10	100	74	18	26	-	8	27	60	-	1.00	A	
		HSK-E063-EZ10SR-070	E10	70	44	20	25	-	10	32	43	-	0.80	A	
		HSK-E063-EZ10SR-100	E10	100	74	20	28	-	10	32	60	-	1.10	A	
		HSK-E063-EZ12SR-070	E10	70	44	22	27	-	12	33	43	-	0.80	A	
		HSK-E063-EZ12SR-100	E10	100	74	22	30	-	12	37	60	-	1.10	A	
		HSK-E063-EZ14SR-070	E10	70	44	24	29	-	14	33	43	-	0.90	A	
		HSK-E063-EZ14SR-100	E10	100	74	24	32	-	14	37	73	-	1.20	A	
		HSK-E063-EZ16SR-070	E10	70	44	26	31	-	16	33	43	-	0.90	A	
		HSK-E063-EZ16SR-100	E10	100	74	26	34	-	16	40	73	-	1.20	A	
		HSK-E063-EZ18SR-070	E10	70	44	26	33	-	18	33	43	-	1.00	A	
		HSK-E063-EZ18SR-100	E10	100	74	26	36	-	18	40	73	-	1.30	A	
		HSK-E063-EZ20SR-070	E10	70	44	26	35	-	20	33	43	-	1.00	A	
		HSK-E063-EZ20SR-100	E10	100	74	26	38	-	20	42	73	-	1.30	A	
		HSK-E063-EZ25SR-080	E10	80	54	35	41	-	25	43	53	-	1.50	A	
		HSK-E063-EZ25SR-100	E10	100	74	35	43	-	25	48	73	-	1.70	A	
		HSK-E063-EZ32SR-080	E10	80	54	42	48	-	32	43	53	-	1.50	A	
		HSK-E063-EZ32SR-100	E10	100	74	42	50	-	32	52	73	-	1.70	A	

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動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-E025-EZ1/8"SR-1.97"	E10	1.97"	1.57"	0.52"	0.68"	-	1/8"	0.43"	1.18"	-	0.10	A	
	HSK-E025-EZ1/8"SR-2.76"	E10	2.76"	2.36"	0.52"	0.76"	-	1/8"	0.43"	1.18"	-	0.30	A	
	HSK-E025-EZ3/16"SR-1.97"	E10	1.97"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.18"	-	0.10	A	
	HSK-E025-EZ3/16"SR-2.76"	E10	2.76"	2.36"	0.59"	0.83"	-	3/16"	0.55"	1.18"	-	0.30	A	
	HSK-E025-EZ1/4"SR-1.97"	E10	1.97"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.57"	-	0.10	A	
	HSK-E025-EZ1/4"SR-2.76"	E10	2.76"	2.36"	0.65"	0.89"	-	1/4"	0.91"	1.57"	-	0.30	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-E032-EZ1/8"SR-2.36"	E10	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.20	A	
	HSK-E032-EZ1/8"SR-3.15"	E10	3.15"	2.36"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.40	A	
	HSK-E032-EZ3/16"SR-2.36"	E10	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.18"	-	0.20	A	
	HSK-E032-EZ3/16"SR-3.15"	E10	3.15"	2.36"	0.59"	0.83"	-	3/16"	0.55"	1.18"	-	0.40	A	
	HSK-E032-EZ1/4"SR-2.36"	E10	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.57"	-	0.30	A	
	HSK-E032-EZ1/4"SR-3.15"	E10	3.15"	2.36"	0.65"	0.89"	-	1/4"	0.91"	1.57"	-	0.50	A	
	HSK-E032-EZ5/16"SR-2.36"	E10	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	1.61"	-	0.30	A	
	HSK-E032-EZ5/16"SR-3.15"	E10	3.15"	2.36"	0.71"	0.95"	-	5/16"	1.06"	2.36"	-	0.50	A	
	HSK-E032-EZ3/8"SR-2.36"	E10	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.22"	1.61"	-	0.40	A	
	HSK-E032-EZ3/8"SR-3.15"	E10	3.15"	2.36"	0.77"	1.01"	-	3/8"	1.26"	2.36"	-	0.60	A	
	HSK-E032-EZ7/16"SR-2.36"	E10	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.22"	1.61"	-	0.40	A	
	HSK-E032-EZ7/16"SR-3.15"	E10	3.15"	2.36"	0.84"	1.08"	-	7/16"	1.26"	2.36"	-	0.60	A	
	HSK-E032-EZ1/2"SR-2.36"	E10	2.36"	1.57"	0.90"	1.02"	-	1/2"	1.22"	1.61"	-	0.50	A	
	HSK-E032-EZ1/2"SR-3.15"	E10	3.15"	2.36"	0.90"	1.02"	-	1/2"	1.46"	2.36"	-	0.70	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-E040-EZ1/8"SR-2.36"	E10	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.30	A	
	HSK-E040-EZ1/8"SR-3.15"	E10	3.15"	2.36"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.50	A	
	HSK-E040-EZ3/16"SR-2.36"	E10	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.18"	-	0.30	A	
	HSK-E040-EZ3/16"SR-3.15"	E10	3.15"	2.36"	0.59"	0.83"	-	3/16"	0.55"	1.18"	-	0.50	A	
	HSK-E040-EZ1/4"SR-2.36"	E10	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.54"	-	0.40	A	
	HSK-E040-EZ1/4"SR-3.15"	E10	3.15"	2.36"	0.65"	0.89"	-	1/4"	0.91"	1.57"	-	0.60	A	
	HSK-E040-EZ5/16"SR-2.36"	E10	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	1.54"	-	0.40	A	
	HSK-E040-EZ5/16"SR-3.15"	E10	3.15"	2.36"	0.71"	0.95"	-	5/16"	1.06"	2.32"	-	0.60	A	
	HSK-E040-EZ3/8"SR-2.36"	E10	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.14"	1.54"	-	0.50	A	
	HSK-E040-EZ3/8"SR-3.15"	E10	3.15"	2.36"	0.77"	1.01"	-	3/8"	1.26"	2.36"	-	0.70	A	
	HSK-E040-EZ7/16"SR-2.36"	E10	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.14"	1.54"	-	0.50	A	
	HSK-E040-EZ7/16"SR-3.15"	E10	3.15"	2.36"	0.84"	1.08"	-	7/16"	1.26"	2.36"	-	0.70	A	
	HSK-E040-EZ1/2"SR-2.36"	E10	2.36"	1.57"	0.90"	1.06"	-	1/2"	1.14"	1.54"	-	0.60	A	
	HSK-E040-EZ1/2"SR-3.15"	E10	3.15"	2.36"	0.90"	1.14"	-	1/2"	1.46"	2.36"	-	0.80	A	
	HSK-E040-EZ5/8"SR-2.36"	E10	2.36"	1.57"	1.02"	1.18"	-	5/8"	1.14"	1.54"	-	0.60	A	
	HSK-E040-EZ5/8"SR-3.15"	E10	3.15"	2.36"	1.02"	1.26"	-	5/8"	1.57"	2.36"	-	0.80	A	

STOCK ◎=標準在庫品 // STOCK ○=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

ezShrink EZSR // HSK-E-EZSR inch

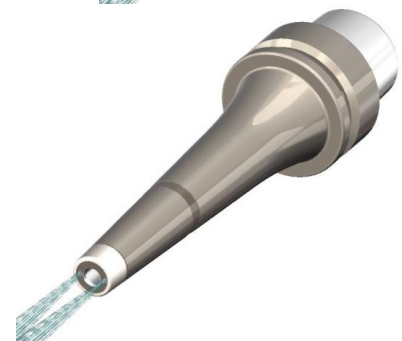
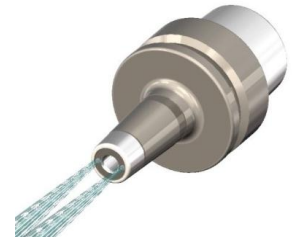
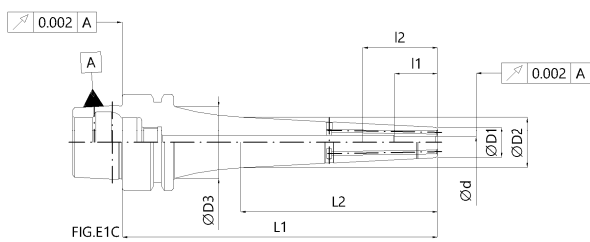
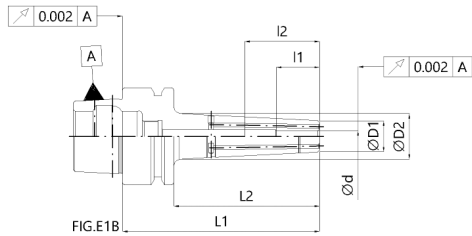
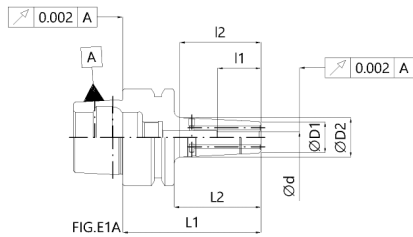
ezShrink SlimRegular 細型熱膨脹燒結刀柄-英制
ezShrink SlimRegular shrink fit chucks-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-E050-EZ1/8"SR-2.76"	E10	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.50	A	
	HSK-E050-EZ1/8"SR-3.94"	E10	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.80	A	
	HSK-E050-EZ3/16"SR-2.76"	E10	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.50	A	
	HSK-E050-EZ3/16"SR-3.94"	E10	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.80	A	
	HSK-E050-EZ1/4"SR-2.76"	E10	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.60	A	
	HSK-E050-EZ1/4"SR-3.94"	E10	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	0.90	A	
	HSK-E050-EZ5/16"SR-2.76"	E10	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.77"	-	0.60	A	
	HSK-E050-EZ5/16"SR-3.94"	E10	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	0.90	A	
	HSK-E050-EZ3/8"SR-2.76"	E10	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.77"	-	0.70	A	
	HSK-E050-EZ3/8"SR-3.94"	E10	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.00	A	
	HSK-E050-EZ7/16"SR-2.76"	E10	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.77"	-	0.70	A	
	HSK-E050-EZ7/16"SR-3.94"	E10	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.00	A	
	HSK-E050-EZ1/2"SR-2.76"	E10	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.26"	1.77"	-	0.80	A	
	HSK-E050-EZ1/2"SR-3.94"	E10	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.10	A	
	HSK-E050-EZ5/8"SR-2.76"	E10	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.38"	1.77"	-	0.80	A	
	HSK-E050-EZ5/8"SR-3.94"	E10	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	3.07"	-	1.10	A	
	HSK-E050-EZ3/4"SR-2.76"	E10	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.38"	1.77"	-	0.90	A	
	HSK-E050-EZ3/4"SR-3.94"	E10	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	3.07"	-	1.20	A	
	HSK-E050-EZ7/8"SR-2.76"	E10	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.38"	1.77"	-	0.90	A	
	HSK-E050-EZ7/8"SR-3.94"	E10	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	3.07"	-	1.20	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	HSK-E063-EZ1/8"SR-2.76"	E10	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.60	A	
	HSK-E063-EZ1/8"SR-3.94"	E10	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.90	A	
	HSK-E063-EZ3/16"SR-2.76"	E10	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.60	A	
	HSK-E063-EZ3/16"SR-3.94"	E10	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.90	A	
	HSK-E063-EZ1/4"SR-2.76"	E10	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.70	A	
	HSK-E063-EZ1/4"SR-3.94"	E10	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.00	A	
	HSK-E063-EZ5/16"SR-2.76"	E10	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.69"	-	0.70	A	
	HSK-E063-EZ5/16"SR-3.94"	E10	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	1.00	A	
	HSK-E063-EZ3/8"SR-2.76"	E10	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.69"	-	0.80	A	
	HSK-E063-EZ3/8"SR-3.94"	E10	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.10	A	
	HSK-E063-EZ7/16"SR-2.76"	E10	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.69"	-	0.80	A	
	HSK-E063-EZ7/16"SR-3.94"	E10	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.10	A	
	HSK-E063-EZ1/2"SR-2.76"	E10	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.26"	1.69"	-	0.90	A	
	HSK-E063-EZ1/2"SR-3.94"	E10	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.20	A	
	HSK-E063-EZ5/8"SR-2.76"	E10	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.30"	1.69"	-	0.90	A	
	HSK-E063-EZ5/8"SR-3.94"	E10	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.87"	-	1.20	A	
	HSK-E063-EZ3/4"SR-2.76"	E10	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.30"	1.69"	-	1.00	A	
	HSK-E063-EZ3/4"SR-3.94"	E10	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.87"	-	1.30	A	
	HSK-E063-EZ7/8"SR-2.76"	E10	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.30"	1.69"	-	1.00	A	
	HSK-E063-EZ7/8"SR-3.94"	E10	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.87"	-	1.30	A	
	HSK-E063-EZ1"SR-3.15"	E10	3.15"	2.13"	1.40"	1.60"	-	1"	1.69"	2.09"	-	1.50	A	
	HSK-E063-EZ1"SR-3.94"	E10	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.87"	-	1.70	A	
	HSK-E063-EZ1 1/4"SR-3.15"	E10	3.15"	2.13"	1.40"	1.84"	-	1 1/4"	1.69"	2.09"	-	1.50	A	
	HSK-E063-EZ1 1/4"SR-3.94"	E10	3.94"	2.91"	1.40"	1.96"	-	1 1/4"	2.05"	2.87"	-	1.70	A	

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ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose



ezShrink EZSRKK // RF HSK-E-EZSRKK

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-E032-EZ03SR-060KZ	E1A	60	40	13	17	-	3	11	-	-	0.20	A	
○		RF HSK-E032-EZ03SR-080KK	E1B	80	60	13	19	-	3	11	-	-	0.40	A	
○		RF HSK-E032-EZ03SR-100KK	E1B	100	80	13	21	-	3	11	-	-	0.60	A	
○		RF HSK-E032-EZ03SR-120KK	E1B	120	100	13	23	-	3	11	-	-	0.80	A	
○		RF HSK-E032-EZ04SR-060KZ	E1A	60	40	14	18	-	4	14	30	-	0.20	A	
○		RF HSK-E032-EZ04SR-080KK	E1B	80	60	14	20	-	4	14	30	-	0.40	A	
○		RF HSK-E032-EZ04SR-100KK	E1B	100	80	14	22	-	4	14	30	-	0.60	A	
○		RF HSK-E032-EZ04SR-120KK	E1B	120	100	14	24	-	4	14	30	-	0.80	A	
○		RF HSK-E032-EZ05SR-060KZ	E1A	60	40	15	19	-	5	17	30	-	0.20	A	
○		RF HSK-E032-EZ05SR-080KK	E1B	80	60	15	21	-	5	17	30	-	0.40	A	
○		RF HSK-E032-EZ05SR-100KK	E1B	100	80	15	23	-	5	17	30	-	0.60	A	
○		RF HSK-E032-EZ05SR-120KK	E1B	120	100	15	25	-	5	17	30	-	0.80	A	
○		RF HSK-E032-EZ06SR-060KZ	E1A	60	40	16	20	-	6	23	40	-	0.30	A	
○		RF HSK-E032-EZ06SR-080KK	E1B	80	60	16	22	-	6	23	40	-	0.50	A	
○		RF HSK-E032-EZ06SR-100KK	E1B	100	80	16	24	-	6	23	40	-	0.70	A	
○		RF HSK-E032-EZ06SR-120KK	E1B	120	100	16	26	-	6	23	40	-	0.90	A	
○		RF HSK-E032-EZ08SR-060KZ	E1A	60	40	18	22	-	8	27	41	-	0.30	A	
○		RF HSK-E032-EZ08SR-080KK	E1B	80	60	18	24	-	8	27	60	-	0.50	A	
○		RF HSK-E032-EZ08SR-100KK	E1B	100	80	18	26	-	8	27	60	-	0.70	A	
○		RF HSK-E032-EZ08SR-120KK	E1B	120	100	18	26	-	8	27	60	-	0.90	A	
○		RF HSK-E032-EZ10SR-060KZ	E1A	60	40	20	24	-	10	31	41	-	0.40	A	
○		RF HSK-E032-EZ10SR-080KK	E1B	80	60	20	26	-	10	32	60	-	0.60	A	
○		RF HSK-E032-EZ10SR-100KK	E1B	100	80	20	26	-	10	32	60	-	0.80	A	
○		RF HSK-E032-EZ10SR-120KK	E1B	120	100	20	26	-	10	32	60	-	1.00	A	
○		RF HSK-E032-EZ12SR-060KZ	E1A	60	40	22	26	-	12	31	41	-	0.40	A	
○		RF HSK-E032-EZ12SR-080KK	E1B	80	60	22	26	-	12	37	60	-	0.60	A	
○		RF HSK-E032-EZ12SR-100KK	E1B	100	80	22	26	-	12	37	60	-	0.80	A	
○		RF HSK-E032-EZ12SR-120KK	E1B	120	100	22	26	-	12	37	60	-	1.00	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-E040-EZ03SR-060KZ	E1A	60	40	13	17	-	3	11	-	-	0.30	A	
○		RF HSK-E040-EZ03SR-080KK	E1B	80	60	13	19	-	3	11	-	-	0.50	A	
○		RF HSK-E040-EZ03SR-100KK	E1B	100	80	13	21	-	3	11	-	-	0.70	A	
○		RF HSK-E040-EZ03SR-120KK	E1B	120	100	13	23	-	3	11	-	-	0.90	A	
○		RF HSK-E040-EZ04SR-060KZ	E1A	60	40	14	18	-	4	14	-	-	0.30	A	
○		RF HSK-E040-EZ04SR-080KK	E1B	80	60	14	20	-	4	14	-	-	0.50	A	
○		RF HSK-E040-EZ04SR-100KK	E1B	100	80	14	22	-	4	14	-	-	0.70	A	
○		RF HSK-E040-EZ04SR-120KK	E1B	120	100	14	24	-	4	14	-	-	0.90	A	
○		RF HSK-E040-EZ05SR-060KZ	E1A	60	40	15	19	-	5	17	30	-	0.30	A	
○		RF HSK-E040-EZ05SR-080KK	E1B	80	60	15	21	-	5	17	30	-	0.50	A	
○		RF HSK-E040-EZ05SR-100KK	E1B	100	80	15	23	-	5	17	30	-	0.70	A	
○		RF HSK-E040-EZ05SR-120KK	E1B	120	100	15	25	-	5	17	30	-	0.90	A	
○		RF HSK-E040-EZ06SR-060KZ	E1A	60	40	16	20	-	6	23	39	-	0.40	A	
○		RF HSK-E040-EZ06SR-080KK	E1B	80	60	16	22	-	6	23	40	-	0.60	A	
○		RF HSK-E040-EZ06SR-100KK	E1B	100	80	16	24	-	6	23	40	-	0.80	A	
○		RF HSK-E040-EZ06SR-120KK	E1B	120	100	16	26	-	6	23	40	-	1.00	A	
○		RF HSK-E040-EZ08SR-060KZ	E1A	60	40	18	22	-	8	27	39	-	0.40	A	
○		RF HSK-E040-EZ08SR-080KK	E1B	80	60	18	24	-	8	27	59	-	0.60	A	
○		RF HSK-E040-EZ08SR-100KK	E1B	100	80	18	26	-	8	27	60	-	0.80	A	
○		RF HSK-E040-EZ08SR-120KK	E1B	120	100	18	28	-	8	27	60	-	1.00	A	
○		RF HSK-E040-EZ10SR-060KZ	E1A	60	40	20	24	-	10	29	39	-	0.50	A	
○		RF HSK-E040-EZ10SR-080KK	E1B	80	60	20	26	-	10	32	59	-	0.70	A	
○		RF HSK-E040-EZ10SR-100KK	E1B	100	80	20	28	-	10	32	60	-	0.90	A	
○		RF HSK-E040-EZ10SR-120KK	E1B	120	100	20	30	-	10	32	60	-	1.10	A	
○		RF HSK-E040-EZ12SR-060KZ	E1A	60	40	22	26	-	12	29	39	-	0.50	A	
○		RF HSK-E040-EZ12SR-080KK	E1B	80	60	22	28	-	12	37	59	-	0.70	A	
○		RF HSK-E040-EZ12SR-100KK	E1B	100	80	22	30	-	12	37	60	-	0.90	A	
○		RF HSK-E040-EZ12SR-120KK	E1B	120	100	22	32	-	12	37	60	-	1.10	A	
○		RF HSK-E040-EZ14SR-060KZ	E1A	60	40	24	28	-	14	29	39	-	0.60	A	
○		RF HSK-E040-EZ14SR-080KK	E1B	80	60	24	30	-	14	37	59	-	0.80	A	
○		RF HSK-E040-EZ14SR-100KK	E1B	100	80	24	32	-	14	37	80	-	1.00	A	
○		RF HSK-E040-EZ14SR-120KK	E1B	120	100	24	34	-	14	37	80	-	1.20	A	
○		RF HSK-E040-EZ16SR-060KZ	E1A	60	40	26	30	-	16	29	39	-	0.60	A	
○		RF HSK-E040-EZ16SR-080KK	E1B	80	60	26	32	-	16	40	59	-	0.80	A	
○		RF HSK-E040-EZ16SR-100KK	E1B	100	80	26	34	-	16	40	80	-	1.00	A	
○		RF HSK-E040-EZ16SR-120KK	E1B	120	100	26	34	-	16	40	80	-	1.20	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSRKK // RF HSK-E-EZSRKK

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-E050-EZ03SR-070KZ	E1A	70	44	13	18	-	3	11	-	-	0.50	A	
○		RF HSK-E050-EZ03SR-100KK	E1B	100	74	13	21	-	3	11	-	-	0.80	A	
○		RF HSK-E050-EZ03SR-120KK	E1B	120	94	13	23	-	3	11	-	-	1.00	A	
○		RF HSK-E050-EZ03SR-160KK	E1C	160	100	13	24	35	3	11	-	-	1.40	A	
○		RF HSK-E050-EZ04SR-070KZ	E1A	70	44	14	19	-	4	14	-	-	0.50	A	
○		RF HSK-E050-EZ04SR-100KK	E1B	100	74	14	22	-	4	14	-	-	0.80	A	
○		RF HSK-E050-EZ04SR-120KK	E1B	120	94	14	24	-	4	14	-	-	1.00	A	
○		RF HSK-E050-EZ04SR-160KK	E1C	160	100	14	25	36	4	14	-	-	1.40	A	
○		RF HSK-E050-EZ05SR-070KZ	E1A	70	44	15	20	-	5	17	-	-	0.50	A	
○		RF HSK-E050-EZ05SR-100KK	E1B	100	74	15	23	-	5	17	-	-	0.80	A	
○		RF HSK-E050-EZ05SR-120KK	E1B	120	94	15	25	-	5	17	-	-	1.00	A	
○		RF HSK-E050-EZ05SR-160KK	E1C	160	100	15	26	37	5	17	-	-	1.40	A	
○		RF HSK-E050-EZ06SR-070KZ	E1A	70	44	16	21	-	6	23	-	-	0.60	A	
○		RF HSK-E050-EZ06SR-100KK	E1B	100	74	16	24	-	6	23	-	-	0.90	A	
○		RF HSK-E050-EZ06SR-120KK	E1B	120	94	16	26	-	6	23	-	-	1.10	A	
○		RF HSK-E050-EZ06SR-160KK	E1C	160	100	16	27	38	6	23	-	-	1.50	A	
○		RF HSK-E050-EZ08SR-070KZ	E1A	70	44	18	23	-	8	27	45	-	0.60	A	
○		RF HSK-E050-EZ08SR-100KK	E1B	100	74	18	26	-	8	27	60	-	0.90	A	
○		RF HSK-E050-EZ08SR-120KK	E1B	120	94	18	28	-	8	27	60	-	1.10	A	
○		RF HSK-E050-EZ08SR-160KK	E1C	160	100	18	29	39	8	27	60	-	1.50	A	
○		RF HSK-E050-EZ10SR-070KZ	E1A	70	44	20	25	-	10	32	45	-	0.70	A	
○		RF HSK-E050-EZ10SR-100KK	E1B	100	74	20	28	-	10	32	60	-	1.00	A	
○		RF HSK-E050-EZ10SR-120KK	E1B	120	94	20	30	-	10	32	60	-	1.20	A	
○		RF HSK-E050-EZ10SR-160KK	E1C	160	100	20	31	40	10	32	60	-	1.60	A	
○		RF HSK-E050-EZ12SR-070KZ	E1A	70	44	22	27	-	12	35	45	-	0.70	A	
○		RF HSK-E050-EZ12SR-100KK	E1B	100	74	22	30	-	12	37	60	-	1.00	A	
○		RF HSK-E050-EZ12SR-120KK	E1B	120	94	22	32	-	12	37	60	-	1.20	A	
○		RF HSK-E050-EZ12SR-160KK	E1C	160	100	22	33	41	12	37	60	-	1.60	A	
○		RF HSK-E050-EZ14SR-070KZ	E1A	70	44	24	29	-	14	35	45	-	0.80	A	
○		RF HSK-E050-EZ14SR-100KK	E1B	100	74	24	32	-	14	37	75	-	1.10	A	
○		RF HSK-E050-EZ14SR-120KK	E1B	120	94	24	34	-	14	37	80	-	1.30	A	
○		RF HSK-E050-EZ14SR-160KK	E1B	160	134	24	38	-	14	37	80	-	1.70	A	
○		RF HSK-E050-EZ16SR-070KZ	E1A	70	44	26	31	-	16	35	45	-	0.80	A	
○		RF HSK-E050-EZ16SR-100KK	E1B	100	74	26	34	-	16	40	75	-	1.10	A	
○		RF HSK-E050-EZ16SR-120KK	E1B	120	94	26	36	-	16	40	80	-	1.30	A	
○		RF HSK-E050-EZ16SR-160KK	E1B	160	134	26	40	-	16	40	80	-	1.70	A	
○		RF HSK-E050-EZ18SR-070KZ	E1A	70	44	28	33	-	18	35	45	-	0.90	A	
○		RF HSK-E050-EZ18SR-100KK	E1B	100	74	28	36	-	18	40	75	-	1.20	A	
○		RF HSK-E050-EZ18SR-120KK	E1B	120	94	28	38	-	18	40	80	-	1.40	A	
○		RF HSK-E050-EZ18SR-160KK	E1B	160	134	28	42	-	18	40	80	-	1.80	A	
○		RF HSK-E050-EZ20SR-070KZ	E1A	70	44	30	35	-	20	35	45	-	0.90	A	
○		RF HSK-E050-EZ20SR-100KK	E1B	100	74	30	38	-	20	42	75	-	1.20	A	
○		RF HSK-E050-EZ20SR-120KK	E1B	120	94	30	40	-	20	42	80	-	1.40	A	
○		RF HSK-E050-EZ20SR-160KK	E1B	160	134	30	42	-	20	42	80	-	1.80	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E063-EZ03SR-070KZ	E1A	70	44	13	18	-	3	11	-	-	0.60	A	
		RF HSK-E063-EZ03SR-100KK	E1B	100	74	13	21	-	3	11	-	-	0.90	A	
		RF HSK-E063-EZ03SR-120KK	E1B	120	94	13	23	-	3	11	-	-	1.10	A	
		RF HSK-E063-EZ03SR-160KK	E1C	160	100	13	24	35	3	11	-	-	1.50	A	
		RF HSK-E063-EZ04SR-070KZ	E1A	70	44	14	19	-	4	14	-	-	0.60	A	
		RF HSK-E063-EZ04SR-100KK	E1B	100	74	14	22	-	4	14	-	-	0.90	A	
		RF HSK-E063-EZ04SR-120KK	E1B	120	94	14	24	-	4	14	-	-	1.10	A	
		RF HSK-E063-EZ04SR-160KK	E1C	160	100	14	25	36	4	14	-	-	1.50	A	
		RF HSK-E063-EZ05SR-070KZ	E1A	70	44	15	20	-	5	17	-	-	0.60	A	
		RF HSK-E063-EZ05SR-100KK	E1B	100	74	15	23	-	5	17	-	-	0.90	A	
		RF HSK-E063-EZ05SR-120KK	E1B	120	94	15	25	-	5	17	-	-	1.10	A	
		RF HSK-E063-EZ05SR-160KK	E1C	160	100	15	26	37	5	17	-	-	1.50	A	
		RF HSK-E063-EZ06SR-070KZ	E1A	70	44	16	21	-	6	23	-	-	0.70	A	
		RF HSK-E063-EZ06SR-100KK	E1B	100	74	16	24	-	6	23	-	-	1.00	A	
		RF HSK-E063-EZ06SR-120KK	E1B	120	94	16	26	-	6	23	-	-	1.20	A	
		RF HSK-E063-EZ06SR-160KK	E1C	160	100	16	27	38	6	23	-	-	1.60	A	
		RF HSK-E063-EZ08SR-070KZ	E1A	70	44	18	23	-	8	27	43	-	0.70	A	
		RF HSK-E063-EZ08SR-100KK	E1B	100	74	18	26	-	8	27	60	-	1.00	A	
		RF HSK-E063-EZ08SR-120KK	E1B	120	94	18	28	-	8	27	60	-	1.20	A	
		RF HSK-E063-EZ08SR-160KK	E1C	160	100	18	29	39	8	27	60	-	1.60	A	
		RF HSK-E063-EZ10SR-070KZ	E1A	70	44	20	25	-	10	32	43	-	0.80	A	
		RF HSK-E063-EZ10SR-100KK	E1B	100	74	20	28	-	10	32	60	-	1.10	A	
		RF HSK-E063-EZ10SR-120KK	E1B	120	94	20	30	-	10	32	60	-	1.30	A	
		RF HSK-E063-EZ10SR-160KK	E1C	160	100	20	31	40	10	32	60	-	1.70	A	
		RF HSK-E063-EZ12SR-070KZ	E1A	70	44	22	27	-	12	33	43	-	0.80	A	
		RF HSK-E063-EZ12SR-100KK	E1B	100	74	22	30	-	12	37	60	-	1.10	A	
		RF HSK-E063-EZ12SR-120KK	E1B	120	94	22	32	-	12	37	60	-	1.30	A	
		RF HSK-E063-EZ12SR-160KK	E1C	160	100	22	33	41	12	37	60	-	1.70	A	
		RF HSK-E063-EZ14SR-070KZ	E1A	70	44	24	29	-	14	33	43	-	0.90	A	
		RF HSK-E063-EZ14SR-100KK	E1B	100	74	24	32	-	14	37	73	-	1.20	A	
		RF HSK-E063-EZ14SR-120KK	E1B	120	94	24	34	-	14	37	80	-	1.40	A	
		RF HSK-E063-EZ14SR-160KK	E1C	160	100	24	35	42	14	37	80	-	1.80	A	
		RF HSK-E063-EZ16SR-070KZ	E1A	70	44	26	31	-	16	33	43	-	0.90	A	
		RF HSK-E063-EZ16SR-100KK	E1B	100	74	26	34	-	16	40	73	-	1.20	A	
		RF HSK-E063-EZ16SR-120KK	E1B	120	94	26	36	-	16	40	80	-	1.40	A	
		RF HSK-E063-EZ16SR-160KK	E1C	160	100	26	37	42	16	40	80	-	1.80	A	
		RF HSK-E063-EZ18SR-070KZ	E1A	70	44	28	33	-	18	33	43	-	1.00	A	
		RF HSK-E063-EZ18SR-100KK	E1B	100	74	28	36	-	18	40	73	-	1.30	A	
		RF HSK-E063-EZ18SR-120KK	E1B	120	94	28	38	-	18	40	80	-	1.50	A	
		RF HSK-E063-EZ18SR-160KK	E1B	160	134	28	42	-	18	40	80	-	1.90	A	
		RF HSK-E063-EZ20SR-070KZ	E1A	70	44	30	35	-	20	33	43	-	1.00	A	
		RF HSK-E063-EZ20SR-100KK	E1B	100	74	30	38	-	20	42	73	-	1.30	A	
		RF HSK-E063-EZ20SR-120KK	E1B	120	94	30	40	-	20	42	80	-	1.50	A	
		RF HSK-E063-EZ20SR-160KK	E1B	160	134	30	42	-	20	42	80	-	1.90	A	
		RF HSK-E063-EZ25SR-080KZ	E1A	80	54	35	41	-	25	43	53	-	1.50	A	
		RF HSK-E063-EZ25SR-100KK	E1B	100	74	35	43	-	25	48	73	-	1.70	A	
		RF HSK-E063-EZ25SR-120KK	E1B	120	94	35	45	-	25	48	93	-	1.90	A	
		RF HSK-E063-EZ25SR-160KK	E1B	160	134	35	49	-	25	48	100	-	2.30	A	
		RF HSK-E063-EZ32SR-080KZ	E1A	80	54	42	48	-	32	43	53	-	1.50	A	
		RF HSK-E063-EZ32SR-100KK	E1B	100	74	42	50	-	32	52	73	-	1.70	A	
		RF HSK-E063-EZ32SR-120KK	E1B	120	94	42	52	-	32	52	93	-	1.90	A	
		RF HSK-E063-EZ32SR-160KK	E1B	160	134	42	53	-	32	52	100	-	2.30	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSRKK // RF HSK-E-EZSRKK inch

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E032-EZ1/8"SR-2.36"KZ	E1A	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.20	A	
		RF HSK-E032-EZ1/8"SR-3.15"KK	E1B	3.15"	2.36"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.40	A	
		RF HSK-E032-EZ1/8"SR-3.94"KK	E1B	3.94"	3.15"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.60	A	
		RF HSK-E032-EZ1/8"SR-4.72"KK	E1B	4.72"	3.94"	0.52"	0.92"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-E032-EZ3/16"SR-2.36"KZ	E1A	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.18"	-	0.20	A	
		RF HSK-E032-EZ3/16"SR-3.15"KK	E1B	3.15"	2.36"	0.59"	0.83"	-	3/16"	0.55"	1.18"	-	0.40	A	
		RF HSK-E032-EZ3/16"SR-3.94"KK	E1B	3.94"	3.15"	0.59"	0.91"	-	3/16"	0.55"	1.18"	-	0.60	A	
		RF HSK-E032-EZ3/16"SR-4.72"KK	E1B	4.72"	3.94"	0.59"	0.99"	-	3/16"	0.55"	1.18"	-	0.80	A	
		RF HSK-E032-EZ1/4"SR-2.36"KZ	E1A	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.57"	-	0.30	A	
		RF HSK-E032-EZ1/4"SR-3.15"KK	E1B	3.15"	2.36"	0.65"	0.89"	-	1/4"	0.91"	1.57"	-	0.50	A	
		RF HSK-E032-EZ1/4"SR-3.94"KK	E1B	3.94"	3.15"	0.65"	0.97"	-	1/4"	0.91"	1.57"	-	0.70	A	
		RF HSK-E032-EZ1/4"SR-4.72"KK	E1B	4.72"	3.94"	0.65"	1.02"	-	1/4"	0.91"	1.57"	-	0.90	A	
		RF HSK-E032-EZ5/16"SR-2.36"KZ	E1A	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	1.61"	-	0.30	A	
		RF HSK-E032-EZ5/16"SR-3.15"KK	E1B	3.15"	2.36"	0.71"	0.95"	-	5/16"	1.06"	2.36"	-	0.50	A	
		RF HSK-E032-EZ5/16"SR-3.94"KK	E1B	3.94"	3.15"	0.71"	1.02"	-	5/16"	1.06"	2.36"	-	0.70	A	
		RF HSK-E032-EZ5/16"SR-4.72"KK	E1B	4.72"	3.94"	0.71"	1.02"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-E032-EZ3/8"SR-2.36"KZ	E1A	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.22"	1.61"	-	0.40	A	
		RF HSK-E032-EZ3/8"SR-3.15"KK	E1B	3.15"	2.36"	0.77"	1.01"	-	3/8"	1.26"	2.36"	-	0.60	A	
		RF HSK-E032-EZ3/8"SR-3.94"KK	E1B	3.94"	3.15"	0.77"	1.02"	-	3/8"	1.26"	2.36"	-	0.80	A	
		RF HSK-E032-EZ3/8"SR-4.72"KK	E1B	4.72"	3.94"	0.77"	1.02"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-E032-EZ7/16"SR-2.36"KZ	E1A	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.22"	1.61"	-	0.40	A	
		RF HSK-E032-EZ7/16"SR-3.15"KK	E1B	3.15"	2.36"	0.84"	1.02"	-	7/16"	1.26"	2.36"	-	0.60	A	
		RF HSK-E032-EZ7/16"SR-3.94"KK	E1B	3.94"	3.15"	0.84"	1.02"	-	7/16"	1.26"	2.36"	-	0.80	A	
		RF HSK-E032-EZ7/16"SR-4.72"KK	E1B	4.72"	3.94"	0.84"	1.02"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-E032-EZ1/2"SR-2.36"KZ	E1A	2.36"	1.57"	0.90"	1.02"	-	1/2"	1.22"	1.61"	-	0.50	A	
		RF HSK-E032-EZ1/2"SR-3.15"KK	E1B	3.15"	2.36"	0.90"	1.02"	-	1/2"	1.46"	2.36"	-	0.70	A	
		RF HSK-E032-EZ1/2"SR-3.94"KK	E1B	3.94"	3.15"	0.90"	1.02"	-	1/2"	1.46"	2.36"	-	0.90	A	
		RF HSK-E032-EZ1/2"SR-4.72"KK	E1B	4.72"	3.94"	0.90"	1.02"	-	1/2"	1.46"	2.36"	-	1.10	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E040-EZ1/8"SR-2.36"KZ	E1A	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.30	A	
		RF HSK-E040-EZ1/8"SR-3.15"KK	E1B	3.15"	2.36"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-E040-EZ1/8"SR-3.94"KK	E1B	3.94"	3.15"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.70	A	
		RF HSK-E040-EZ1/8"SR-4.72"KK	E1B	4.72"	3.94"	0.52"	0.92"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-E040-EZ3/16"SR-2.36"KZ	E1A	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.18"	-	0.30	A	
		RF HSK-E040-EZ3/16"SR-3.15"KK	E1B	3.15"	2.36"	0.59"	0.83"	-	3/16"	0.55"	1.18"	-	0.50	A	
		RF HSK-E040-EZ3/16"SR-3.94"KK	E1B	3.94"	3.15"	0.59"	0.91"	-	3/16"	0.55"	1.18"	-	0.70	A	
		RF HSK-E040-EZ3/16"SR-4.72"KK	E1B	4.72"	3.94"	0.59"	0.99"	-	3/16"	0.55"	1.57"	-	0.90	A	
		RF HSK-E040-EZ1/4"SR-2.36"KZ	E1A	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.54"	-	0.40	A	
		RF HSK-E040-EZ1/4"SR-3.15"KK	E1B	3.15"	2.36"	0.65"	0.89"	-	1/4"	0.91"	1.57"	-	0.60	A	
		RF HSK-E040-EZ1/4"SR-3.94"KK	E1B	3.94"	3.15"	0.65"	0.97"	-	1/4"	0.91"	1.57"	-	0.80	A	
		RF HSK-E040-EZ1/4"SR-4.72"KK	E1B	4.72"	3.94"	0.65"	1.05"	-	1/4"	0.91"	1.57"	-	1.00	A	
		RF HSK-E040-EZ5/16"SR-2.36"KZ	E1A	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	1.54"	-	0.40	A	
		RF HSK-E040-EZ5/16"SR-3.15"KK	E1B	3.15"	2.36"	0.71"	0.95"	-	5/16"	1.06"	2.32"	-	0.60	A	
		RF HSK-E040-EZ5/16"SR-3.94"KK	E1B	3.94"	3.15"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	0.80	A	
		RF HSK-E040-EZ5/16"SR-4.72"KK	E1B	4.72"	3.94"	0.71"	1.11"	-	5/16"	1.06"	2.36"	-	1.00	A	
		RF HSK-E040-EZ3/8"SR-2.36"KZ	E1A	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.14"	1.54"	-	0.50	A	
		RF HSK-E040-EZ3/8"SR-3.15"KK	E1B	3.15"	2.36"	0.77"	1.01"	-	3/8"	1.26"	2.32"	-	0.70	A	
		RF HSK-E040-EZ3/8"SR-3.94"KK	E1B	3.94"	3.15"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	0.90	A	
		RF HSK-E040-EZ3/8"SR-4.72"KK	E1B	4.72"	3.94"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF HSK-E040-EZ7/16"SR-2.36"KZ	E1A	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.14"	1.54"	-	0.50	A	
		RF HSK-E040-EZ7/16"SR-3.15"KK	E1B	3.15"	2.36"	0.84"	1.08"	-	7/16"	1.26"	2.32"	-	0.70	A	
		RF HSK-E040-EZ7/16"SR-3.94"KK	E1B	3.94"	3.15"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	0.90	A	
		RF HSK-E040-EZ7/16"SR-4.72"KK	E1B	4.72"	3.94"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-E040-EZ1/2"SR-2.36"KZ	E1A	2.36"	1.57"	0.90"	1.06"	-	1/2"	1.14"	1.54"	-	0.60	A	
		RF HSK-E040-EZ1/2"SR-3.15"KK	E1B	3.15"	2.36"	0.90"	1.14"	-	1/2"	1.46"	2.32"	-	0.80	A	
		RF HSK-E040-EZ1/2"SR-3.94"KK	E1B	3.94"	3.15"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.00	A	
		RF HSK-E040-EZ1/2"SR-4.72"KK	E1B	4.72"	3.94"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF HSK-E040-EZ5/8"SR-2.36"KZ	E1A	2.36"	1.57"	1.02"	1.18"	-	5/8"	1.14"	1.54"	-	0.60	A	
		RF HSK-E040-EZ5/8"SR-3.15"KK	E1B	3.15"	2.36"	1.02"	1.26"	-	5/8"	1.57"	2.32"	-	0.80	A	
		RF HSK-E040-EZ5/8"SR-3.94"KK	E1B	3.94"	3.15"	1.02"	1.34"	-	5/8"	1.57"	3.11"	-	1.00	A	
		RF HSK-E040-EZ5/8"SR-4.72"KK	E1B	4.72"	3.94"	1.02"	1.34"	-	5/8"	1.57"	3.15"	-	1.20	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSRKK // RF HSK-E-EZSRKK inch

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E050-EZ1/8"SR-2.76"KZ	E1A	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-E050-EZ1/8"SR-3.94"KK	E1B	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-E050-EZ1/8"SR-4.72"KK	E1B	4.72"	3.70"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.00	A	
		RF HSK-E050-EZ1/8"SR-6.30"KK	E1C	6.30"	3.94"	0.52"	0.96"	1.40"	1/8"	0.43"	-	-	1.40	A	
		RF HSK-E050-EZ3/16"SR-2.76"KZ	E1A	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.50	A	
		RF HSK-E050-EZ3/16"SR-3.94"KK	E1B	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.80	A	
		RF HSK-E050-EZ3/16"SR-4.72"KK	E1B	4.72"	3.70"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.00	A	
		RF HSK-E050-EZ3/16"SR-6.30"KK	E1C	6.30"	3.94"	0.59"	1.03"	1.47"	3/16"	0.55"	-	-	1.40	A	
		RF HSK-E050-EZ1/4"SR-2.76"KZ	E1A	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.60	A	
		RF HSK-E050-EZ1/4"SR-3.94"KK	E1B	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	0.90	A	
		RF HSK-E050-EZ1/4"SR-4.72"KK	E1B	4.72"	3.70"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.10	A	
		RF HSK-E050-EZ1/4"SR-6.30"KK	E1C	6.30"	3.94"	0.65"	1.09"	1.53"	1/4"	0.91"	-	-	1.50	A	
		RF HSK-E050-EZ5/16"SR-2.76"KZ	E1A	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.77"	-	0.60	A	
		RF HSK-E050-EZ5/16"SR-3.94"KK	E1B	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-E050-EZ5/16"SR-4.72"KK	E1B	4.72"	3.70"	0.71"	1.11"	-	5/16"	1.06"	2.36"	-	1.10	A	
		RF HSK-E050-EZ5/16"SR-6.30"KK	E1C	6.30"	3.94"	0.71"	1.15"	1.55"	5/16"	1.06"	2.36"	-	1.50	A	
		RF HSK-E050-EZ3/8"SR-2.76"KZ	E1A	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.77"	-	0.70	A	
		RF HSK-E050-EZ3/8"SR-3.94"KK	E1B	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-E050-EZ3/8"SR-4.72"KK	E1B	4.72"	3.70"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.20	A	
		RF HSK-E050-EZ3/8"SR-6.30"KK	E1C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	2.36"	-	1.60	A	
		RF HSK-E050-EZ7/16"SR-2.76"KZ	E1A	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.77"	-	0.70	A	
		RF HSK-E050-EZ7/16"SR-3.94"KK	E1B	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-E050-EZ7/16"SR-4.72"KK	E1B	4.72"	3.70"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.20	A	
		RF HSK-E050-EZ7/16"SR-6.30"KK	E1C	6.30"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	2.36"	-	1.60	A	
		RF HSK-E050-EZ1/2"SR-2.76"KZ	E1A	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.26"	1.77"	-	0.80	A	
		RF HSK-E050-EZ1/2"SR-3.94"KK	E1B	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.10	A	
		RF HSK-E050-EZ1/2"SR-4.72"KK	E1B	4.72"	3.70"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	1.30	A	
		RF HSK-E050-EZ1/2"SR-6.30"KK	E1B	6.30"	5.28"	0.90"	1.46"	-	1/2"	1.46"	2.36"	-	1.70	A	
		RF HSK-E050-EZ5/8"SR-2.76"KZ	E1A	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.38"	1.77"	-	0.80	A	
		RF HSK-E050-EZ5/8"SR-3.94"KK	E1B	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	3.07"	-	1.10	A	
		RF HSK-E050-EZ5/8"SR-4.72"KK	E1B	4.72"	3.70"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.30	A	
		RF HSK-E050-EZ5/8"SR-6.30"KK	E1B	6.30"	5.28"	1.02"	1.58"	-	5/8"	1.57"	3.15"	-	1.70	A	
		RF HSK-E050-EZ3/4"SR-2.76"KZ	E1A	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.38"	1.77"	-	0.90	A	
		RF HSK-E050-EZ3/4"SR-3.94"KK	E1B	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	3.07"	-	1.20	A	
		RF HSK-E050-EZ3/4"SR-4.72"KK	E1B	4.72"	3.70"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.40	A	
		RF HSK-E050-EZ3/4"SR-6.30"KK	E1B	6.30"	5.28"	1.15"	1.65"	-	3/4"	1.65"	3.15"	-	1.80	A	
		RF HSK-E050-EZ7/8"SR-2.76"KZ	E1A	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.38"	1.77"	-	0.90	A	
		RF HSK-E050-EZ7/8"SR-3.94"KK	E1B	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	3.07"	-	1.20	A	
		RF HSK-E050-EZ7/8"SR-4.72"KK	E1B	4.72"	3.70"	1.27"	1.65"	-	7/8"	1.65"	3.15"	-	1.40	A	
		RF HSK-E050-EZ7/8"SR-6.30"KK	E1B	6.30"	5.28"	1.27"	1.65"	-	7/8"	1.65"	3.15"	-	1.80	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

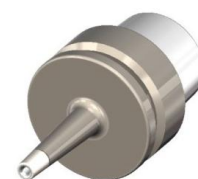
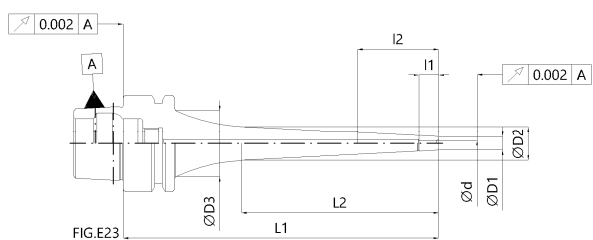
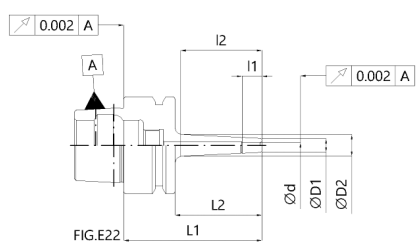
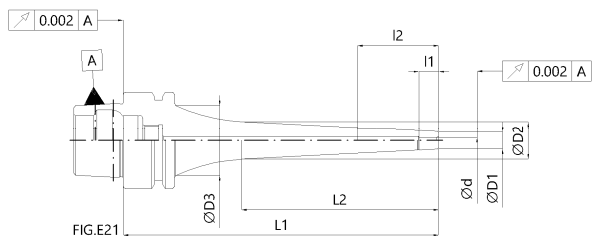
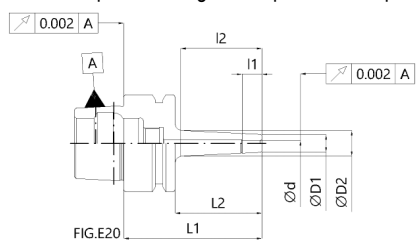
ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E063-EZ1/8"SR-2.76"KZ	E1A	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.60	A	
		RF HSK-E063-EZ1/8"SR-3.94"KK	E1B	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-E063-EZ1/8"SR-4.72"KK	E1B	4.72"	3.70"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.10	A	
		RF HSK-E063-EZ1/8"SR-6.30"KK	E1C	6.30"	3.94"	0.52"	0.96"	1.40"	1/8"	0.43"	-	-	1.50	A	
		RF HSK-E063-EZ3/16"SR-2.76"KZ	E1A	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.60	A	
		RF HSK-E063-EZ3/16"SR-3.94"KK	E1B	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.90	A	
		RF HSK-E063-EZ3/16"SR-4.72"KK	E1B	4.72"	3.70"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.10	A	
		RF HSK-E063-EZ3/16"SR-6.30"KK	E1C	6.30"	3.94"	0.59"	1.03"	1.47"	3/16"	0.55"	-	-	1.50	A	
		RF HSK-E063-EZ1/4"SR-2.76"KZ	E1A	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.70	A	
		RF HSK-E063-EZ1/4"SR-3.94"KK	E1B	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.00	A	
		RF HSK-E063-EZ1/4"SR-4.72"KK	E1B	4.72"	3.70"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.20	A	
		RF HSK-E063-EZ1/4"SR-6.30"KK	E1C	6.30"	3.94"	0.65"	1.09"	1.53"	1/4"	0.91"	-	-	1.60	A	
		RF HSK-E063-EZ5/16"SR-2.76"KZ	E1A	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.69"	-	0.70	A	
		RF HSK-E063-EZ5/16"SR-3.94"KK	E1B	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	1.00	A	
		RF HSK-E063-EZ5/16"SR-4.72"KK	E1B	4.72"	3.70"	0.71"	1.11"	-	5/16"	1.06"	2.36"	-	1.20	A	
		RF HSK-E063-EZ5/16"SR-6.30"KK	E1C	6.30"	3.94"	0.71"	1.15"	1.55"	5/16"	1.06"	2.36"	-	1.60	A	
		RF HSK-E063-EZ3/8"SR-2.76"KZ	E1A	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.69"	-	0.80	A	
		RF HSK-E063-EZ3/8"SR-3.94"KK	E1B	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF HSK-E063-EZ3/8"SR-4.72"KK	E1B	4.72"	3.70"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.30	A	
		RF HSK-E063-EZ3/8"SR-6.30"KK	E1C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	2.36"	-	1.70	A	
		RF HSK-E063-EZ7/16"SR-2.76"KZ	E1A	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.69"	-	0.80	A	
		RF HSK-E063-EZ7/16"SR-3.94"KK	E1B	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-E063-EZ7/16"SR-4.72"KK	E1B	4.72"	3.70"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.30	A	
		RF HSK-E063-EZ7/16"SR-6.30"KK	E1C	6.30"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	2.36"	-	1.70	A	
		RF HSK-E063-EZ1/2"SR-2.76"KZ	E1A	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.30"	1.69"	-	0.90	A	
		RF HSK-E063-EZ1/2"SR-3.94"KK	E1B	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF HSK-E063-EZ1/2"SR-4.72"KK	E1B	4.72"	3.70"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	1.40	A	
		RF HSK-E063-EZ1/2"SR-6.30"KK	E1C	6.30"	3.94"	0.90"	1.34"	1.66"	1/2"	1.46"	2.36"	-	1.80	A	
		RF HSK-E063-EZ5/8"SR-2.76"KZ	E1A	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.30"	1.69"	-	0.90	A	
		RF HSK-E063-EZ5/8"SR-3.94"KK	E1B	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.87"	-	1.20	A	
		RF HSK-E063-EZ5/8"SR-4.72"KK	E1B	4.72"	3.70"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.40	A	
		RF HSK-E063-EZ5/8"SR-6.30"KK	E1C	6.30"	5.28"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	1.80	A	
		RF HSK-E063-EZ3/4"SR-2.76"KZ	E1A	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.30"	1.69"	-	1.00	A	
		RF HSK-E063-EZ3/4"SR-3.94"KK	E1B	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.87"	-	1.30	A	
		RF HSK-E063-EZ3/4"SR-4.72"KK	E1B	4.72"	3.70"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.50	A	
		RF HSK-E063-EZ3/4"SR-6.30"KK	E1B	6.30"	5.28"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	1.90	A	
		RF HSK-E063-EZ7/8"SR-2.76"KZ	E1A	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.30"	1.69"	-	1.00	A	
		RF HSK-E063-EZ7/8"SR-3.94"KK	E1B	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.87"	-	1.30	A	
		RF HSK-E063-EZ7/8"SR-4.72"KK	E1B	4.72"	3.70"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	1.50	A	
		RF HSK-E063-EZ7/8"SR-6.30"KK	E1B	6.30"	5.28"	1.27"	1.83"	-	7/8"	1.65"	3.15"	-	1.90	A	
		RF HSK-E063-EZ1"SR-3.15"KZ	E1A	3.15"	2.13"	1.40"	1.60"	-	1"	1.69"	2.09"	-	1.50	A	
		RF HSK-E063-EZ1"SR-3.94"KK	E1B	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.87"	-	1.70	A	
		RF HSK-E063-EZ1"SR-4.72"KK	E1B	4.72"	3.70"	1.40"	1.80"	-	1"	1.89"	3.66"	-	1.90	A	
		RF HSK-E063-EZ1"SR-6.30"KK	E1B	6.30"	3.94"	1.40"	1.96"	-	1"	1.89"	3.94"	-	2.30	A	
		RF HSK-E063-EZ1 1/4"SR-3.15"KZ	E1A	3.15"	2.13"	1.64"	1.84"	-	1 1/4"	1.69"	2.09"	-	1.50	A	
		RF HSK-E063-EZ1 1/4"SR-3.94"KK	E1B	3.94"	2.91"	1.64"	1.96"	-	1 1/4"	2.05"	2.87"	-	1.70	A	
		RF HSK-E063-EZ1 1/4"SR-4.72"KK	E1B	4.72"	3.70"	1.64"	2.04"	-	1 1/4"	2.05"	3.66"	-	1.90	A	
		RF HSK-E063-EZ1 1/4"SR-6.30"KK	E1B	6.30"	3.94"	1.64"	2.08"	-	1 1/4"	2.05"	3.94"	-	2.30	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck



ezShrink RF EZSS & EZSSU // RF HSK-E-EZSS & RF HSK-E-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-E020-EZ03SS-050	E20	50	42	9	13	-	3	11	30	-	0.10	A	
	RF HSK-E020-EZ03SS-070	E20	70	62	9	15	-	3	11	30	-	0.20	A	
	RF HSK-E020-EZ04SS-050	E20	50	42	10	14	-	4	14	30	-	0.10	A	
	RF HSK-E020-EZ04SS-070	E20	70	62	10	16	-	4	14	30	-	0.20	A	
	RF HSK-E020-EZ05SS-050	E20	50	42	11	15	-	5	17	30	-	0.10	A	
	RF HSK-E020-EZ05SS-070	E20	70	62	11	16	-	5	17	30	-	0.20	A	
	RF HSK-E020-EZ06SS-050	E20	50	42	12	16	-	6	23	33	-	0.10	A	
	RF HSK-E020-EZ06SS-070	E20	70	62	12	16	-	6	23	40	-	0.30	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-E020-EZ03SSU-050	E22	50	42	7	11	-	3	11	30	-	0.10	A	
	RF HSK-E020-EZ03SSU-070	E22	70	62	7	13	-	3	11	30	-	0.20	A	
	RF HSK-E020-EZ04SSU-050	E22	50	42	8	12	-	4	14	30	-	0.10	A	
	RF HSK-E020-EZ04SSU-070	E22	70	62	8	14	-	4	14	30	-	0.20	A	
	RF HSK-E020-EZ05SSU-050	E22	50	42	9	13	-	5	17	30	-	0.10	A	
	RF HSK-E020-EZ05SSU-070	E22	70	62	9	15	-	5	17	30	-	0.20	A	
	RF HSK-E020-EZ06SSU-050	E22	50	42	10	14	-	6	23	33	-	0.10	A	
	RF HSK-E020-EZ06SSU-070	E22	70	62	10	16	-	6	23	40	-	0.30	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-E025-EZ03SS-050	E20	50	40	9	13	-	3	11	30	-	0.10	A	
	RF HSK-E025-EZ03SS-070	E20	70	60	9	15	-	3	11	30	-	0.20	A	
	RF HSK-E025-EZ04SS-050	E20	50	40	10	14	-	4	14	30	-	0.10	A	
	RF HSK-E025-EZ04SS-070	E20	70	60	10	16	-	4	14	30	-	0.20	A	
	RF HSK-E025-EZ05SS-050	E20	50	40	11	15	-	5	17	30	-	0.10	A	
	RF HSK-E025-EZ05SS-070	E20	70	60	11	17	-	5	17	30	-	0.20	A	
	RF HSK-E025-EZ06SS-050	E20	50	40	12	16	-	6	23	33	-	0.10	A	
	RF HSK-E025-EZ06SS-070	E20	70	60	12	18	-	6	23	40	-	0.30	A	
	RF HSK-E025-EZ08SS-050	E20	50	40	14	18	-	8	23	33	-	0.10	A	
	RF HSK-E025-EZ08SS-070	E20	70	60	14	20	-	8	27	53	-	0.30	A	
	RF HSK-E025-EZ10SS-050	E20	50	40	16	20	-	10	23	33	-	0.20	A	
	RF HSK-E025-EZ10SS-070	E20	70	60	16	20	-	10	32	53	-	0.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-E025-EZ03SSU-050	E22	50	40	7	11	-	3	11	30	-	0.10	A	
	RF HSK-E025-EZ03SSU-070	E22	70	60	7	13	-	3	11	30	-	0.20	A	
	RF HSK-E025-EZ04SSU-050	E22	50	40	8	12	-	4	14	30	-	0.10	A	
	RF HSK-E025-EZ04SSU-070	E22	70	60	8	14	-	4	14	30	-	0.20	A	
	RF HSK-E025-EZ05SSU-050	E22	50	40	9	13	-	5	17	30	-	0.10	A	
	RF HSK-E025-EZ05SSU-070	E22	70	60	9	15	-	5	17	30	-	0.20	A	
	RF HSK-E025-EZ06SSU-050	E22	50	40	10	14	-	6	23	33	-	0.10	A	
	RF HSK-E025-EZ06SSU-070	E22	70	60	10	16	-	6	23	40	-	0.30	A	
	RF HSK-E025-EZ08SSU-050	E22	50	40	14	18	-	8	23	33	-	0.10	A	
	RF HSK-E025-EZ08SSU-070	E22	70	60	14	20	-	8	27	53	-	0.30	A	
	RF HSK-E025-EZ10SSU-050	E22	50	40	16	20	-	10	23	33	-	0.20	A	
	RF HSK-E025-EZ10SSU-070	E22	70	60	16	20	-	10	32	53	-	0.40	A	

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HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink EZSS & EZSSU // RF HSK-E-EZSS & RF HSK-E-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	○	RF HSK-E032-EZ03SS-060	E20	60	40	9	13	-	3	11	-	-	0.10	A	
	○	RF HSK-E032-EZ03SS-080	E20	80	60	9	15	-	3	11	-	-	0.30	A	
	○	RF HSK-E032-EZ03SS-100	E20	100	80	9	17	-	3	11	-	-	0.50	A	
	○	RF HSK-E032-EZ03SS-120	E20	120	100	9	19	-	3	11	-	-	0.70	A	
	■	RF HSK-E032-EZ04SS-060	E20	60	40	10	14	-	4	14	30	-	0.10	A	
	○	RF HSK-E032-EZ04SS-080	E20	80	60	10	16	-	4	14	30	-	0.30	A	
	○	RF HSK-E032-EZ04SS-100	E20	100	80	10	18	-	4	14	30	-	0.50	A	
	○	RF HSK-E032-EZ04SS-120	E20	120	100	10	20	-	4	14	30	-	0.70	A	
	○	RF HSK-E032-EZ05SS-060	E20	60	40	11	15	-	5	17	30	-	0.10	A	
	○	RF HSK-E032-EZ05SS-080	E20	80	60	11	17	-	5	17	30	-	0.30	A	
	○	RF HSK-E032-EZ05SS-100	E20	100	80	11	19	-	5	17	30	-	0.50	A	
	○	RF HSK-E032-EZ05SS-120	E20	120	100	11	21	-	5	17	30	-	0.70	A	
	■	RF HSK-E032-EZ06SS-060	E20	60	40	12	16	-	6	23	40	-	0.20	A	
	○	RF HSK-E032-EZ06SS-080	E20	80	60	12	18	-	6	23	40	-	0.40	A	
	○	RF HSK-E032-EZ06SS-100	E20	100	80	12	20	-	6	23	40	-	0.60	A	
	○	RF HSK-E032-EZ06SS-120	E20	120	100	12	22	-	6	23	40	-	0.80	A	
	○	RF HSK-E032-EZ08SS-060	E20	60	40	14	18	-	8	27	41	-	0.20	A	
	○	RF HSK-E032-EZ08SS-080	E20	80	60	14	20	-	8	27	60	-	0.40	A	
	○	RF HSK-E032-EZ08SS-100	E20	100	80	14	22	-	8	27	60	-	0.60	A	
	○	RF HSK-E032-EZ08SS-120	E20	120	100	14	24	-	8	27	60	-	0.80	A	
	○	RF HSK-E032-EZ10SS-060	E20	60	40	16	20	-	10	31	41	-	0.30	A	
	○	RF HSK-E032-EZ10SS-080	E20	80	60	16	22	-	10	32	60	-	0.50	A	
	○	RF HSK-E032-EZ10SS-100	E20	100	80	16	24	-	10	32	60	-	0.70	A	
	○	RF HSK-E032-EZ10SS-120	E20	120	100	16	26	-	10	32	60	-	0.90	A	
	○	RF HSK-E032-EZ12SS-060	E20	60	40	18	22	-	12	31	41	-	0.30	A	
	○	RF HSK-E032-EZ12SS-080	E20	80	60	18	24	-	12	37	60	-	0.50	A	
	○	RF HSK-E032-EZ12SS-100	E20	100	80	18	26	-	12	37	60	-	0.70	A	
	○	RF HSK-E032-EZ12SS-120	E20	120	100	18	26	-	12	37	60	-	0.90	A	

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STOCK ■=現有庫存為無RF鍍層 售完變更規格為RF鍍層 // STOCK ■=Current stock w/o RF coating, change to RF coating after sold out

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-E032-EZ03SSU-060	E22	60	40	7	11	-	3	11	-	-	0.10	A	
○		RF HSK-E032-EZ03SSU-080	E22	80	60	7	13	-	3	11	-	-	0.30	A	
○		RF HSK-E032-EZ03SSU-100	E22	100	80	7	15	-	3	11	-	-	0.50	A	
○		RF HSK-E032-EZ03SSU-120	E22	120	100	7	17	-	3	11	-	-	0.70	A	
○		RF HSK-E032-EZ04SSU-060	E22	60	40	8	12	-	4	14	30	-	0.10	A	
○		RF HSK-E032-EZ04SSU-080	E22	80	60	8	14	-	4	14	30	-	0.30	A	
○		RF HSK-E032-EZ04SSU-100	E22	100	80	8	16	-	4	14	30	-	0.50	A	
○		RF HSK-E032-EZ04SSU-120	E22	120	100	8	18	-	4	14	30	-	0.70	A	
○		RF HSK-E032-EZ05SSU-060	E22	60	40	9	13	-	5	17	30	-	0.10	A	
○		RF HSK-E032-EZ05SSU-080	E22	80	60	9	15	-	5	17	30	-	0.30	A	
○		RF HSK-E032-EZ05SSU-100	E22	100	80	9	17	-	5	17	30	-	0.50	A	
○		RF HSK-E032-EZ05SSU-120	E22	120	100	9	19	-	5	17	30	-	0.70	A	
○		RF HSK-E032-EZ06SSU-060	E22	60	40	10	14	-	6	23	40	-	0.20	A	
○		RF HSK-E032-EZ06SSU-080	E22	80	60	10	16	-	6	23	40	-	0.40	A	
○		RF HSK-E032-EZ06SSU-100	E22	100	80	10	18	-	6	23	40	-	0.60	A	
○		RF HSK-E032-EZ06SSU-120	E22	120	100	10	20	-	6	23	40	-	0.80	A	
○		RF HSK-E032-EZ08SSU-060	E22	60	40	12	16	-	8	27	41	-	0.20	A	
○		RF HSK-E032-EZ08SSU-080	E22	80	60	12	18	-	8	27	60	-	0.40	A	
○		RF HSK-E032-EZ08SSU-100	E22	100	80	12	20	-	8	27	60	-	0.60	A	
○		RF HSK-E032-EZ08SSU-120	E22	120	100	12	22	-	8	27	60	-	0.80	A	
○		RF HSK-E032-EZ10SSU-060	E22	60	40	14	18	-	10	31	41	-	0.30	A	
○		RF HSK-E032-EZ10SSU-080	E22	80	60	14	20	-	10	32	60	-	0.50	A	
○		RF HSK-E032-EZ10SSU-100	E22	100	80	14	22	-	10	32	60	-	0.70	A	
○		RF HSK-E032-EZ10SSU-120	E22	120	100	14	24	-	10	32	60	-	0.90	A	
○		RF HSK-E032-EZ12SSU-060	E22	60	40	16	20	-	12	31	41	-	0.30	A	
○		RF HSK-E032-EZ12SSU-080	E22	80	60	16	22	-	12	37	60	-	0.50	A	
○		RF HSK-E032-EZ12SSU-100	E22	100	80	16	24	-	12	37	60	-	0.70	A	
○		RF HSK-E032-EZ12SSU-120	E22	120	100	16	26	-	12	37	60	-	0.90	A	

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ezShrink EZSS & EZSSU // RF HSK-E-EZSS & RF HSK-E-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	○	RF HSK-E040-EZ03SS-060	E20	60	40	9	13	-	3	11	-	-	0.20	A	
	○	RF HSK-E040-EZ03SS-080	E20	80	60	9	15	-	3	11	-	-	0.40	A	
	○	RF HSK-E040-EZ03SS-100	E20	100	80	9	17	-	3	11	-	-	0.60	A	
	○	RF HSK-E040-EZ03SS-120	E20	120	100	9	19	-	3	11	-	-	0.80	A	
	○	RF HSK-E040-EZ04SS-060	E20	60	40	10	14	-	4	14	-	-	0.20	A	
	■	RF HSK-E040-EZ04SS-080	E20	80	60	10	16	-	4	14	-	-	0.40	A	
	○	RF HSK-E040-EZ04SS-100	E20	100	80	10	18	-	4	14	-	-	0.60	A	
	○	RF HSK-E040-EZ04SS-120	E20	120	100	10	20	-	4	14	-	-	0.80	A	
	○	RF HSK-E040-EZ05SS-060	E20	60	40	11	15	-	5	17	30	-	0.20	A	
	○	RF HSK-E040-EZ05SS-080	E20	80	60	11	17	-	5	17	30	-	0.40	A	
	○	RF HSK-E040-EZ05SS-100	E20	100	80	11	19	-	5	17	30	-	0.60	A	
	○	RF HSK-E040-EZ05SS-120	E20	120	100	11	21	-	5	17	30	-	0.80	A	
	○	RF HSK-E040-EZ06SS-060	E20	60	40	12	16	-	6	23	39	-	0.30	A	
	■	RF HSK-E040-EZ06SS-080	E20	80	60	12	18	-	6	23	40	-	0.50	A	
	○	RF HSK-E040-EZ06SS-100	E20	100	80	12	20	-	6	23	40	-	0.70	A	
	○	RF HSK-E040-EZ06SS-120	E20	120	100	12	22	-	6	23	40	-	0.90	A	
	○	RF HSK-E040-EZ08SS-060	E20	60	40	14	18	-	8	27	39	-	0.30	A	
	■	RF HSK-E040-EZ08SS-080	E20	80	60	14	20	-	8	27	59	-	0.50	A	
	○	RF HSK-E040-EZ08SS-100	E20	100	80	14	22	-	8	27	60	-	0.70	A	
	○	RF HSK-E040-EZ08SS-120	E20	120	100	14	24	-	8	27	60	-	0.90	A	
	○	RF HSK-E040-EZ10SS-060	E20	60	40	16	20	-	10	29	39	-	0.40	A	
	■	RF HSK-E040-EZ10SS-080	E20	80	60	16	22	-	10	32	59	-	0.60	A	
	○	RF HSK-E040-EZ10SS-100	E20	100	80	16	24	-	10	32	60	-	0.80	A	
	○	RF HSK-E040-EZ10SS-120	E20	120	100	16	26	-	10	32	60	-	1.00	A	
	○	RF HSK-E040-EZ12SS-060	E20	60	40	18	22	-	12	29	39	-	0.40	A	
	○	RF HSK-E040-EZ12SS-080	E20	80	60	18	24	-	12	37	59	-	0.60	A	
	○	RF HSK-E040-EZ12SS-100	E20	100	80	18	26	-	12	37	60	-	0.80	A	
	○	RF HSK-E040-EZ12SS-120	E20	120	100	18	28	-	12	37	60	-	1.00	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request
STOCK ■=現有庫存為無RF鍍層 售完變更規格為RF鍍層 // STOCK ■=Current stock w/o RF coating, change to RF coating after sold out

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-E040-EZ03SSU-060	E22	60	40	7	11	-	3	11	-	-	0.20	A	
○		RF HSK-E040-EZ03SSU-080	E22	80	60	7	13	-	3	11	-	-	0.40	A	
○		RF HSK-E040-EZ03SSU-100	E22	100	80	7	15	-	3	11	-	-	0.60	A	
○		RF HSK-E040-EZ03SSU-120	E22	120	100	7	17	-	3	11	-	-	0.80	A	
○		RF HSK-E040-EZ04SSU-060	E22	60	40	8	12	-	4	14	-	-	0.20	A	
○		RF HSK-E040-EZ04SSU-080	E22	80	60	8	14	-	4	14	-	-	0.40	A	
○		RF HSK-E040-EZ04SSU-100	E22	100	80	8	16	-	4	14	-	-	0.60	A	
○		RF HSK-E040-EZ04SSU-120	E22	120	100	8	18	-	4	14	-	-	0.80	A	
○		RF HSK-E040-EZ05SSU-060	E22	60	40	9	13	-	5	17	30	-	0.20	A	
○		RF HSK-E040-EZ05SSU-080	E22	80	60	9	15	-	5	17	30	-	0.40	A	
○		RF HSK-E040-EZ05SSU-100	E22	100	80	9	17	-	5	17	30	-	0.60	A	
○		RF HSK-E040-EZ05SSU-120	E22	120	100	9	19	-	5	17	30	-	0.80	A	
○		RF HSK-E040-EZ06SSU-060	E22	60	40	10	14	-	6	23	39	-	0.30	A	
○		RF HSK-E040-EZ06SSU-080	E22	80	60	10	16	-	6	23	40	-	0.50	A	
○		RF HSK-E040-EZ06SSU-100	E22	100	80	10	18	-	6	23	40	-	0.70	A	
○		RF HSK-E040-EZ06SSU-120	E22	120	100	10	20	-	6	23	40	-	0.90	A	
○		RF HSK-E040-EZ08SSU-060	E22	60	40	12	16	-	8	27	39	-	0.30	A	
○		RF HSK-E040-EZ08SSU-080	E22	80	60	12	18	-	8	27	59	-	0.50	A	
○		RF HSK-E040-EZ08SSU-100	E22	100	80	12	20	-	8	27	60	-	0.70	A	
○		RF HSK-E040-EZ08SSU-120	E22	120	100	12	22	-	8	27	60	-	0.90	A	
○		RF HSK-E040-EZ10SSU-060	E22	60	40	14	18	-	10	29	39	-	0.40	A	
○		RF HSK-E040-EZ10SSU-080	E22	80	60	14	20	-	10	32	59	-	0.60	A	
○		RF HSK-E040-EZ10SSU-100	E22	100	80	14	22	-	10	32	60	-	0.80	A	
○		RF HSK-E040-EZ10SSU-120	E22	120	100	14	24	-	10	32	60	-	1.00	A	
○		RF HSK-E040-EZ12SSU-060	E22	60	40	16	20	-	12	29	39	-	0.40	A	
○		RF HSK-E040-EZ12SSU-080	E22	80	60	16	22	-	12	37	59	-	0.60	A	
○		RF HSK-E040-EZ12SSU-100	E22	100	80	16	24	-	12	37	60	-	0.80	A	
○		RF HSK-E040-EZ12SSU-120	E22	120	100	16	26	-	12	37	60	-	1.00	A	

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ezShrink EZSS & EZSSU // RF HSK-E-EZSS & RF HSK-E-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	○	RF HSK-E050-EZ03SS-070	E20	70	44	9	14	-	3	11	-	-	0.40	A	
	○	RF HSK-E050-EZ03SS-100	E20	100	74	9	17	-	3	11	-	-	0.70	A	
	○	RF HSK-E050-EZ03SS-120	E20	120	94	9	19	-	3	11	-	-	0.90	A	
	○	RF HSK-E050-EZ03SS-160	E21	160	100	9	20	37	3	11	-	-	1.30	A	
	○	RF HSK-E050-EZ04SS-070	E20	70	44	10	15	-	4	14	-	-	0.40	A	
	○	RF HSK-E050-EZ04SS-100	E20	100	74	10	18	-	4	14	-	-	0.70	A	
	○	RF HSK-E050-EZ04SS-120	E20	120	94	10	20	-	4	14	-	-	0.90	A	
	○	RF HSK-E050-EZ04SS-160	E21	160	100	10	21	38	4	14	-	-	1.30	A	
	○	RF HSK-E050-EZ05SS-070	E20	70	44	11	16	-	5	17	-	-	0.40	A	
	○	RF HSK-E050-EZ05SS-100	E20	100	74	11	19	-	5	17	-	-	0.70	A	
	○	RF HSK-E050-EZ05SS-120	E20	120	94	11	21	-	5	17	-	-	0.90	A	
	○	RF HSK-E050-EZ05SS-160	E21	160	100	11	22	39	5	17	-	-	1.30	A	
	○	RF HSK-E050-EZ06SS-070	E20	70	44	12	17	-	6	23	-	-	0.50	A	
	○	RF HSK-E050-EZ06SS-100	E20	100	74	12	20	-	6	23	-	-	0.80	A	
	○	RF HSK-E050-EZ06SS-120	E20	120	94	12	22	-	6	23	-	-	1.00	A	
	○	RF HSK-E050-EZ06SS-160	E21	160	100	12	23	40	6	23	-	-	1.40	A	
	○	RF HSK-E050-EZ08SS-070	E20	70	44	14	19	-	8	27	45	-	0.50	A	
	○	RF HSK-E050-EZ08SS-100	E20	100	74	14	22	-	8	27	60	-	0.80	A	
	○	RF HSK-E050-EZ08SS-120	E20	120	94	14	24	-	8	27	60	-	1.00	A	
	○	RF HSK-E050-EZ08SS-160	E21	160	100	14	25	40	8	27	60	-	1.40	A	
	○	RF HSK-E050-EZ10SS-070	E20	70	44	16	21	-	10	32	45	-	0.60	A	
	○	RF HSK-E050-EZ10SS-100	E20	100	74	16	24	-	10	32	60	-	0.90	A	
	○	RF HSK-E050-EZ10SS-120	E20	120	94	16	26	-	10	32	60	-	1.10	A	
	○	RF HSK-E050-EZ10SS-160	E21	160	100	16	27	42	10	32	60	-	1.50	A	
	○	RF HSK-E050-EZ12SS-070	E20	70	44	18	23	-	12	35	45	-	0.60	A	
	○	RF HSK-E050-EZ12SS-100	E20	100	74	18	26	-	12	37	60	-	0.90	A	
	○	RF HSK-E050-EZ12SS-120	E20	120	94	18	28	-	12	37	60	-	1.10	A	
	○	RF HSK-E050-EZ12SS-160	E21	160	100	18	29	42	12	37	60	-	1.50	A	

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動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-E050-EZ03SSU-070	E20	70	44	7	12	-	3	11	-	-	0.40	A	
○		RF HSK-E050-EZ03SSU-100	E20	100	74	7	15	-	3	11	-	-	0.70	A	
○		RF HSK-E050-EZ03SSU-120	E20	120	94	7	17	-	3	11	-	-	0.90	A	
○		RF HSK-E050-EZ03SSU-160	E21	160	100	7	18	35	3	11	-	-	1.30	A	
○		RF HSK-E050-EZ04SSU-070	E20	70	44	8	13	-	4	14	-	-	0.40	A	
○		RF HSK-E050-EZ04SSU-100	E20	100	74	8	16	-	4	14	-	-	0.70	A	
○		RF HSK-E050-EZ04SSU-120	E20	120	94	8	18	-	4	14	-	-	0.90	A	
○		RF HSK-E050-EZ04SSU-160	E21	160	100	8	19	36	4	14	-	-	1.30	A	
○		RF HSK-E050-EZ05SSU-070	E20	70	44	9	14	-	5	17	-	-	0.40	A	
○		RF HSK-E050-EZ05SSU-100	E20	100	74	9	17	-	5	17	-	-	0.70	A	
○		RF HSK-E050-EZ05SSU-120	E20	120	94	9	19	-	5	17	-	-	0.90	A	
○		RF HSK-E050-EZ05SSU-160	E21	160	100	9	20	37	5	17	-	-	1.30	A	
○		RF HSK-E050-EZ06SSU-070	E20	70	44	10	15	-	6	23	-	-	0.50	A	
○		RF HSK-E050-EZ06SSU-100	E20	100	74	10	18	-	6	23	-	-	0.80	A	
○		RF HSK-E050-EZ06SSU-120	E20	120	94	10	20	-	6	23	-	-	1.00	A	
○		RF HSK-E050-EZ06SSU-160	E21	160	100	10	21	38	6	23	-	-	1.40	A	
○		RF HSK-E050-EZ08SSU-070	E20	70	44	12	17	-	8	27	45	-	0.50	A	
○		RF HSK-E050-EZ08SSU-100	E20	100	74	12	20	-	8	27	60	-	0.80	A	
○		RF HSK-E050-EZ08SSU-120	E20	120	94	12	22	-	8	27	60	-	1.00	A	
○		RF HSK-E050-EZ08SSU-160	E21	160	100	12	23	38	8	27	60	-	1.40	A	
○		RF HSK-E050-EZ10SSU-070	E20	70	44	14	19	-	10	32	45	-	0.60	A	
○		RF HSK-E050-EZ10SSU-100	E20	100	74	14	22	-	10	32	60	-	0.90	A	
○		RF HSK-E050-EZ10SSU-120	E20	120	94	14	24	-	10	32	60	-	1.10	A	
○		RF HSK-E050-EZ10SSU-160	E21	160	100	14	25	40	10	32	60	-	1.50	A	
○		RF HSK-E050-EZ12SSU-070	E20	70	44	16	21	-	12	35	45	-	0.60	A	
○		RF HSK-E050-EZ12SSU-100	E20	100	74	16	24	-	12	37	60	-	0.90	A	
○		RF HSK-E050-EZ12SSU-120	E20	120	94	16	26	-	12	37	60	-	1.10	A	
○		RF HSK-E050-EZ12SSU-160	E21	160	100	16	25	40	12	37	60	-	1.50	A	

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ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E063-EZ03SS-070	E20	70	44	9	14	-	3	11	-	-	0.50	A	
		RF HSK-E063-EZ03SS-100	E20	100	74	9	17	-	3	11	-	-	0.80	A	
		RF HSK-E063-EZ03SS-120	E20	120	94	9	19	-	3	11	-	-	1.00	A	
		RF HSK-E063-EZ03SS-160	E21	160	100	9	20	37	3	11	-	-	1.40	A	
		RF HSK-E063-EZ04SS-070	E20	70	44	10	15	-	4	14	-	-	0.50	A	
		RF HSK-E063-EZ04SS-100	E20	100	74	10	18	-	4	14	-	-	0.80	A	
		RF HSK-E063-EZ04SS-120	E20	120	94	10	20	-	4	14	-	-	1.00	A	
		RF HSK-E063-EZ04SS-160	E21	160	100	10	21	38	4	14	-	-	1.40	A	
		RF HSK-E063-EZ05SS-070	E20	70	44	11	16	-	5	17	-	-	0.50	A	
		RF HSK-E063-EZ05SS-100	E20	100	74	11	19	-	5	17	-	-	0.80	A	
		RF HSK-E063-EZ05SS-120	E20	120	94	11	21	-	5	17	-	-	1.00	A	
		RF HSK-E063-EZ05SS-160	E21	160	100	11	22	39	5	17	-	-	1.40	A	
		RF HSK-E063-EZ06SS-070	E20	70	44	12	17	-	6	23	-	-	0.60	A	
		RF HSK-E063-EZ06SS-100	E20	100	74	12	20	-	6	23	-	-	0.90	A	
		RF HSK-E063-EZ06SS-120	E20	120	94	12	22	-	6	23	-	-	1.10	A	
		RF HSK-E063-EZ06SS-160	E21	160	100	12	23	40	6	23	-	-	1.50	A	
		RF HSK-E063-EZ08SS-070	E20	70	44	14	19	-	8	27	43	-	0.60	A	
		RF HSK-E063-EZ08SS-100	E20	100	74	14	22	-	8	27	60	-	0.90	A	
		RF HSK-E063-EZ08SS-120	E20	120	94	14	24	-	8	27	60	-	1.10	A	
		RF HSK-E063-EZ08SS-160	E21	160	100	14	25	40	8	27	60	-	1.50	A	
		RF HSK-E063-EZ10SS-070	E20	70	44	16	21	-	10	32	43	-	0.70	A	
		RF HSK-E063-EZ10SS-100	E20	100	74	16	24	-	10	32	60	-	1.00	A	
		RF HSK-E063-EZ10SS-120	E20	120	94	16	26	-	10	32	60	-	1.20	A	
		RF HSK-E063-EZ10SS-160	E21	160	100	16	27	42	10	32	60	-	1.60	A	
		RF HSK-E063-EZ12SS-070	E20	70	44	18	23	-	12	33	43	-	0.70	A	
		RF HSK-E063-EZ12SS-100	E20	100	74	18	26	-	12	37	60	-	1.00	A	
		RF HSK-E063-EZ12SS-120	E20	120	94	18	28	-	12	37	60	-	1.20	A	
		RF HSK-E063-EZ12SS-160	E21	160	100	18	29	42	12	37	60	-	1.60	A	

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動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E063-EZ03SSU-070	E20	70	44	7	12	-	3	11	-	-	0.50	A	
		RF HSK-E063-EZ03SSU-100	E20	100	74	7	15	-	3	11	-	-	0.80	A	
		RF HSK-E063-EZ03SSU-120	E20	120	94	7	17	-	3	11	-	-	1.00	A	
		RF HSK-E063-EZ03SSU-160	E21	160	100	7	18	35	3	11	-	-	1.40	A	
		RF HSK-E063-EZ04SSU-070	E20	70	44	8	13	-	4	14	-	-	0.50	A	
		RF HSK-E063-EZ04SSU-100	E20	100	74	8	16	-	4	14	-	-	0.80	A	
		RF HSK-E063-EZ04SSU-120	E20	120	94	8	18	-	4	14	-	-	1.00	A	
		RF HSK-E063-EZ04SSU-160	E21	160	100	8	19	36	4	14	-	-	1.40	A	
		RF HSK-E063-EZ05SSU-070	E20	70	44	9	14	-	5	17	-	-	0.50	A	
		RF HSK-E063-EZ05SSU-100	E20	100	74	9	17	-	5	17	-	-	0.80	A	
		RF HSK-E063-EZ05SSU-120	E20	120	94	9	19	-	5	17	-	-	1.00	A	
		RF HSK-E063-EZ05SSU-160	E21	160	100	9	20	37	5	17	-	-	1.40	A	
		RF HSK-E063-EZ06SSU-070	E20	70	44	10	15	-	6	23	-	-	0.60	A	
		RF HSK-E063-EZ06SSU-100	E20	100	74	10	18	-	6	23	-	-	0.90	A	
		RF HSK-E063-EZ06SSU-120	E20	120	94	10	20	-	6	23	-	-	1.10	A	
		RF HSK-E063-EZ06SSU-160	E21	160	100	10	21	38	6	23	-	-	1.50	A	
		RF HSK-E063-EZ08SSU-070	E20	70	44	12	17	-	8	27	43	-	0.60	A	
		RF HSK-E063-EZ08SSU-100	E20	100	74	12	20	-	8	27	60	-	0.90	A	
		RF HSK-E063-EZ08SSU-120	E20	120	94	12	22	-	8	27	60	-	1.10	A	
		RF HSK-E063-EZ08SSU-160	E21	160	100	12	23	38	8	27	60	-	1.50	A	
		RF HSK-E063-EZ10SSU-070	E20	70	44	14	19	-	10	32	43	-	0.70	A	
		RF HSK-E063-EZ10SSU-100	E20	100	74	14	22	-	10	32	60	-	1.00	A	
		RF HSK-E063-EZ10SSU-120	E20	120	94	14	24	-	10	32	60	-	1.20	A	
		RF HSK-E063-EZ10SSU-160	E21	160	100	14	25	40	10	32	60	-	1.60	A	
		RF HSK-E063-EZ12SSU-070	E20	70	44	16	21	-	12	33	43	-	0.70	A	
		RF HSK-E063-EZ12SSU-100	E20	100	74	16	24	-	12	37	60	-	1.00	A	
		RF HSK-E063-EZ12SSU-120	E20	120	94	16	26	-	12	37	60	-	1.20	A	
		RF HSK-E063-EZ12SSU-160	E21	160	100	16	25	40	12	37	60	-	1.60	A	

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ezShrink EZSS & EZSSU // RF HSK-E-EZSS & RF HSK-E-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-E020-EZ1/8"SS-1.97"	E20	1.97"	1.65"	0.36"	0.56"	-	1/8"	0.43"	1.18"	-	0.10	A	
	RF HSK-E020-EZ1/8"SS-2.76"	E20	2.76"	2.44"	0.36"	0.62"	-	1/8"	0.43"	1.18"	-	0.20	A	
	RF HSK-E020-EZ3/16"SS-1.97"	E20	1.97"	1.65"	0.42"	0.62"	-	3/16"	0.55"	1.18"	-	0.10	A	
	RF HSK-E020-EZ3/16"SS-2.76"	E20	2.76"	2.44"	0.42"	0.62"	-	3/16"	0.55"	1.18"	-	0.20	A	
	RF HSK-E020-EZ1/4"SS-1.97"	E20	1.97"	1.65"	0.49"	0.62"	-	1/4"	0.91"	1.30"	-	0.10	A	
	RF HSK-E020-EZ1/4"SS-2.76"	E20	2.76"	2.44"	0.49"	0.62"	-	1/4"	0.91"	1.57"	-	0.30	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-E020-EZ1/8"SSU-1.97"	E22	1.97"	1.65"	0.28"	0.48"	-	1/8"	0.43"	1.18"	-	0.10	A	
	RF HSK-E020-EZ1/8"SSU-2.76"	E22	2.76"	2.44"	0.28"	0.56"	-	1/8"	0.43"	1.18"	-	0.20	A	
	RF HSK-E020-EZ3/16"SSU-1.97"	E22	1.97"	1.65"	0.34"	0.54"	-	3/16"	0.55"	1.18"	-	0.10	A	
	RF HSK-E020-EZ3/16"SSU-2.76"	E22	2.76"	2.44"	0.34"	0.62"	-	3/16"	0.55"	1.18"	-	0.20	A	
	RF HSK-E020-EZ1/4"SSU-1.97"	E22	1.97"	1.65"	0.41"	0.61"	-	1/4"	0.91"	1.30"	-	0.10	A	
	RF HSK-E020-EZ1/4"SSU-2.76"	E22	2.76"	2.44"	0.41"	0.62"	-	1/4"	0.91"	1.57"	-	0.30	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-E025-EZ1/8"SS-1.97"	E20	1.97"	1.57"	0.36"	0.52"	-	1/8"	0.43"	1.18"	-	0.10	A	
	RF HSK-E025-EZ1/8"SS-2.76"	E20	2.76"	2.36"	0.36"	0.60"	-	1/8"	0.43"	1.18"	-	0.20	A	
	RF HSK-E025-EZ3/16"SS-1.97"	E20	1.97"	1.57"	0.42"	0.58"	-	3/16"	0.55"	1.18"	-	0.10	A	
	RF HSK-E025-EZ3/16"SS-2.76"	E20	2.76"	2.36"	0.42"	0.66"	-	3/16"	0.55"	1.18"	-	0.20	A	
	RF HSK-E025-EZ1/4"SS-1.97"	E20	1.97"	1.57"	0.49"	0.65"	-	1/4"	0.91"	1.30"	-	0.10	A	
	RF HSK-E025-EZ1/4"SS-2.76"	E20	2.76"	2.36"	0.49"	0.73"	-	1/4"	0.91"	1.57"	-	0.30	A	
	RF HSK-E025-EZ5/16"SS-1.97"	E20	1.97"	1.57"	0.55"	0.71"	-	5/16"	0.91"	1.30"	-	0.10	A	
	RF HSK-E025-EZ5/16"SS-2.76"	E20	2.76"	2.36"	0.55"	0.79"	-	5/16"	1.06"	1.57"	-	0.30	A	
	RF HSK-E025-EZ3/8"SS-1.97"	E20	1.97"	1.57"	0.61"	0.77"	-	3/8"	0.91"	1.30"	-	0.20	A	
	RF HSK-E025-EZ3/8"SS-2.76"	E20	2.76"	2.36"	0.61"	0.79"	-	3/8"	1.26"	1.57"	-	0.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-E025-EZ1/8"SSU-1.97"	E22	1.97"	1.57"	0.28"	0.44"	-	1/8"	0.43"	1.18"	-	0.10	A	
	RF HSK-E025-EZ1/8"SSU-2.76"	E22	2.76"	2.36"	0.28"	0.52"	-	1/8"	0.43"	1.18"	-	0.20	A	
	RF HSK-E025-EZ3/16"SSU-1.97"	E22	1.97"	1.57"	0.34"	0.50"	-	3/16"	0.55"	1.18"	-	0.10	A	
	RF HSK-E025-EZ3/16"SSU-2.76"	E22	2.76"	2.36"	0.34"	0.58"	-	3/16"	0.55"	1.18"	-	0.20	A	
	RF HSK-E025-EZ1/4"SSU-1.97"	E22	1.97"	1.57"	0.41"	0.57"	-	1/4"	0.91"	1.30"	-	0.10	A	
	RF HSK-E025-EZ1/4"SSU-2.76"	E22	2.76"	2.36"	0.41"	0.65"	-	1/4"	0.91"	1.57"	-	0.30	A	
	RF HSK-E025-EZ5/16"SSU-1.97"	E22	1.97"	1.57"	0.47"	0.63"	-	5/16"	0.91"	1.30"	-	0.10	A	
	RF HSK-E025-EZ5/16"SSU-2.76"	E22	2.76"	2.36"	0.47"	0.71"	-	5/16"	1.06"	1.57"	-	0.30	A	
	RF HSK-E025-EZ3/8"SSU-1.97"	E22	1.97"	1.57"	0.53"	0.69"	-	3/8"	0.91"	1.30"	-	0.20	A	
	RF HSK-E025-EZ3/8"SSU-2.76"	E22	2.76"	2.36"	0.53"	0.77"	-	3/8"	1.26"	1.57"	-	0.40	A	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E032-EZ1/8"SS-2.36"	E20	2.36"	1.57"	0.36"	0.52"	-	1/8"	0.43"	-	-	0.10	A	
		RF HSK-E032-EZ1/8"SS-3.15"	E20	3.15"	2.36"	0.36"	0.60"	-	1/8"	0.43"	-	-	0.30	A	
		RF HSK-E032-EZ1/8"SS-3.94"	E20	3.94"	3.15"	0.36"	0.68"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-E032-EZ1/8"SS-4.72"	E20	4.72"	3.94"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.70	A	
		RF HSK-E032-EZ3/16"SS-2.36"	E20	2.36"	1.57"	0.42"	0.58"	-	3/16"	0.55"	1.18"	-	0.10	A	
		RF HSK-E032-EZ3/16"SS-3.15"	E20	3.15"	2.36"	0.42"	0.66"	-	3/16"	0.55"	1.18"	-	0.30	A	
		RF HSK-E032-EZ3/16"SS-3.94"	E20	3.94"	3.15"	0.42"	0.74"	-	3/16"	0.55"	1.18"	-	0.50	A	
		RF HSK-E032-EZ3/16"SS-4.72"	E20	4.72"	3.94"	0.42"	0.82"	-	3/16"	0.55"	1.18"	-	0.70	A	
		RF HSK-E032-EZ1/4"SS-2.36"	E20	2.36"	1.57"	0.49"	0.65"	-	1/4"	0.91"	1.57"	-	0.20	A	
		RF HSK-E032-EZ1/4"SS-3.15"	E20	3.15"	2.36"	0.49"	0.73"	-	1/4"	0.91"	1.57"	-	0.40	A	
		RF HSK-E032-EZ1/4"SS-3.94"	E20	3.94"	3.15"	0.49"	0.81"	-	1/4"	0.91"	1.57"	-	0.60	A	
		RF HSK-E032-EZ1/4"SS-4.72"	E20	4.72"	3.94"	0.49"	0.89"	-	1/4"	0.91"	1.57"	-	0.80	A	
		RF HSK-E032-EZ5/16"SS-2.36"	E20	2.36"	1.57"	0.55"	0.71"	-	5/16"	1.06"	1.61"	-	0.20	A	
		RF HSK-E032-EZ5/16"SS-3.15"	E20	3.15"	2.36"	0.55"	0.79"	-	5/16"	1.06"	2.36"	-	0.40	A	
		RF HSK-E032-EZ5/16"SS-3.94"	E20	3.94"	3.15"	0.55"	0.87"	-	5/16"	1.06"	2.36"	-	0.60	A	
		RF HSK-E032-EZ5/16"SS-4.72"	E20	4.72"	3.94"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	0.80	A	
		RF HSK-E032-EZ3/8"SS-2.36"	E20	2.36"	1.57"	0.61"	0.77"	-	3/8"	1.22"	1.61"	-	0.30	A	
		RF HSK-E032-EZ3/8"SS-3.15"	E20	3.15"	2.36"	0.61"	0.85"	-	3/8"	1.26"	2.36"	-	0.50	A	
		RF HSK-E032-EZ3/8"SS-3.94"	E20	3.94"	3.15"	0.61"	0.93"	-	3/8"	1.26"	2.36"	-	0.70	A	
		RF HSK-E032-EZ3/8"SS-4.72"	E20	4.72"	3.94"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	0.90	A	
		RF HSK-E032-EZ7/16"SS-2.36"	E20	2.36"	1.57"	0.67"	0.83"	-	7/16"	1.22"	1.61"	-	0.30	A	
		RF HSK-E032-EZ7/16"SS-3.15"	E20	3.15"	2.36"	0.67"	0.91"	-	7/16"	1.26"	2.36"	-	0.50	A	
		RF HSK-E032-EZ7/16"SS-3.94"	E20	3.94"	3.15"	0.67"	0.99"	-	7/16"	1.26"	2.36"	-	0.70	A	
		RF HSK-E032-EZ7/16"SS-4.72"	E20	4.72"	3.94"	0.67"	1.02"	-	7/16"	1.26"	2.36"	-	0.90	A	
		RF HSK-E032-EZ1/2"SS-2.36"	E20	2.36"	1.57"	0.74"	0.90"	-	1/2"	1.22"	1.61"	-	0.40	A	
		RF HSK-E032-EZ1/2"SS-3.15"	E20	3.15"	2.36"	0.74"	0.98"	-	1/2"	1.46"	2.36"	-	0.60	A	
		RF HSK-E032-EZ1/2"SS-3.94"	E20	3.94"	3.15"	0.74"	1.02"	-	1/2"	1.46"	2.36"	-	0.80	A	
		RF HSK-E032-EZ1/2"SS-4.72"	E20	4.72"	3.94"	0.74"	1.02"	-	1/2"	1.46"	2.36"	-	1.00	A	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E032-EZ1/8"SSU-2.36"	E22	2.36"	1.57"	0.28"	0.44"	-	1/8"	0.43"	-	-	0.10	A	
		RF HSK-E032-EZ1/8"SSU-3.15"	E22	3.15"	2.36"	0.28"	0.52"	-	1/8"	0.43"	-	-	0.30	A	
		RF HSK-E032-EZ1/8"SSU-3.94"	E22	3.94"	3.15"	0.28"	0.60"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-E032-EZ1/8"SSU-4.72"	E22	4.72"	3.94"	0.28"	0.68"	-	1/8"	0.43"	-	-	0.70	A	
		RF HSK-E032-EZ3/16"SSU-2.36"	E22	2.36"	1.57"	0.34"	0.50"	-	3/16"	0.55"	1.18"	-	0.10	A	
		RF HSK-E032-EZ3/16"SSU-3.15"	E22	3.15"	2.36"	0.34"	0.58"	-	3/16"	0.55"	1.18"	-	0.30	A	
		RF HSK-E032-EZ3/16"SSU-3.94"	E22	3.94"	3.15"	0.34"	0.66"	-	3/16"	0.55"	1.18"	-	0.50	A	
		RF HSK-E032-EZ3/16"SSU-4.72"	E22	4.72"	3.94"	0.34"	0.74"	-	3/16"	0.55"	1.18"	-	0.70	A	
		RF HSK-E032-EZ1/4"SSU-2.36"	E22	2.36"	1.57"	0.41"	0.57"	-	1/4"	0.91"	1.57"	-	0.20	A	
		RF HSK-E032-EZ1/4"SSU-3.15"	E22	3.15"	2.36"	0.41"	0.65"	-	1/4"	0.91"	1.57"	-	0.40	A	
		RF HSK-E032-EZ1/4"SSU-3.94"	E22	3.94"	3.15"	0.41"	0.73"	-	1/4"	0.91"	1.57"	-	0.60	A	
		RF HSK-E032-EZ1/4"SSU-4.72"	E22	4.72"	3.94"	0.41"	0.81"	-	1/4"	0.91"	1.57"	-	0.80	A	
		RF HSK-E032-EZ5/16"SSU-2.36"	E22	2.36"	1.57"	0.47"	0.63"	-	5/16"	1.06"	1.61"	-	0.20	A	
		RF HSK-E032-EZ5/16"SSU-3.15"	E22	3.15"	2.36"	0.47"	0.71"	-	5/16"	1.06"	2.36"	-	0.40	A	
		RF HSK-E032-EZ5/16"SSU-3.94"	E22	3.94"	3.15"	0.47"	0.79"	-	5/16"	1.06"	2.36"	-	0.60	A	
		RF HSK-E032-EZ5/16"SSU-4.72"	E22	4.72"	3.94"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	0.80	A	
		RF HSK-E032-EZ3/8"SSU-2.36"	E22	2.36"	1.57"	0.53"	0.69"	-	3/8"	1.22"	1.61"	-	0.30	A	
		RF HSK-E032-EZ3/8"SSU-3.15"	E22	3.15"	2.36"	0.53"	0.77"	-	3/8"	1.26"	2.36"	-	0.50	A	
		RF HSK-E032-EZ3/8"SSU-3.94"	E22	3.94"	3.15"	0.53"	0.85"	-	3/8"	1.26"	2.36"	-	0.70	A	
		RF HSK-E032-EZ3/8"SSU-4.72"	E22	4.72"	3.94"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	0.90	A	
		RF HSK-E032-EZ7/16"SSU-2.36"	E22	2.36"	1.57"	0.59"	0.75"	-	7/16"	1.22"	1.61"	-	0.30	A	
		RF HSK-E032-EZ7/16"SSU-3.15"	E22	3.15"	2.36"	0.59"	0.83"	-	7/16"	1.26"	2.36"	-	0.50	A	
		RF HSK-E032-EZ7/16"SSU-3.94"	E22	3.94"	3.15"	0.59"	0.91"	-	7/16"	1.26"	2.36"	-	0.70	A	
		RF HSK-E032-EZ7/16"SSU-4.72"	E22	4.72"	3.94"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	0.90	A	
		RF HSK-E032-EZ1/2"SSU-2.36"	E22	2.36"	1.57"	0.66"	0.82"	-	1/2"	1.22"	1.61"	-	0.40	A	
		RF HSK-E032-EZ1/2"SSU-3.15"	E22	3.15"	2.36"	0.66"	0.90"	-	1/2"	1.46"	2.36"	-	0.60	A	
		RF HSK-E032-EZ1/2"SSU-3.94"	E22	3.94"	3.15"	0.66"	0.98"	-	1/2"	1.46"	2.36"	-	0.80	A	
		RF HSK-E032-EZ1/2"SSU-4.72"	E22	4.72"	3.94"	0.66"	1.02"	-	1/2"	1.46"	2.36"	-	1.00	A	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E040-EZ1/8"SS-2.36"	E20	2.36"	1.57"	0.36"	0.52"	-	1/8"	0.43"	-	-	0.20	A	
		RF HSK-E040-EZ1/8"SS-3.15"	E20	3.15"	2.36"	0.36"	0.60"	-	1/8"	0.43"	-	-	0.40	A	
		RF HSK-E040-EZ1/8"SS-3.94"	E20	3.94"	3.15"	0.36"	0.68"	-	1/8"	0.43"	-	-	0.60	A	
		RF HSK-E040-EZ1/8"SS-4.72"	E20	4.72"	3.94"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-E040-EZ3/16"SS-2.36"	E20	2.36"	1.57"	0.42"	0.58"	-	3/16"	0.55"	1.18"	-	0.20	A	
		RF HSK-E040-EZ3/16"SS-3.15"	E20	3.15"	2.36"	0.42"	0.66"	-	3/16"	0.55"	1.18"	-	0.40	A	
		RF HSK-E040-EZ3/16"SS-3.94"	E20	3.94"	3.15"	0.42"	0.74"	-	3/16"	0.55"	1.18"	-	0.60	A	
		RF HSK-E040-EZ3/16"SS-4.72"	E20	4.72"	3.94"	0.42"	0.82"	-	3/16"	0.55"	1.18"	-	0.80	A	
		RF HSK-E040-EZ1/4"SS-2.36"	E20	2.36"	1.57"	0.49"	0.65"	-	1/4"	0.91"	1.54"	-	0.30	A	
		RF HSK-E040-EZ1/4"SS-3.15"	E20	3.15"	2.36"	0.49"	0.73"	-	1/4"	0.91"	1.57"	-	0.50	A	
		RF HSK-E040-EZ1/4"SS-3.94"	E20	3.94"	3.15"	0.49"	0.81"	-	1/4"	0.91"	1.57"	-	0.70	A	
		RF HSK-E040-EZ1/4"SS-4.72"	E20	4.72"	3.94"	0.49"	0.89"	-	1/4"	0.91"	1.57"	-	0.90	A	
		RF HSK-E040-EZ5/16"SS-2.36"	E20	2.36"	1.57"	0.55"	0.71"	-	5/16"	1.06"	1.54"	-	0.30	A	
		RF HSK-E040-EZ5/16"SS-3.15"	E20	3.15"	2.36"	0.55"	0.79"	-	5/16"	1.06"	2.32"	-	0.50	A	
		RF HSK-E040-EZ5/16"SS-3.94"	E20	3.94"	3.15"	0.55"	0.87"	-	5/16"	1.06"	2.36"	-	0.70	A	
		RF HSK-E040-EZ5/16"SS-4.72"	E20	4.72"	3.94"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-E040-EZ3/8"SS-2.36"	E20	2.36"	1.57"	0.61"	0.77"	-	3/8"	1.14"	1.54"	-	0.40	A	
		RF HSK-E040-EZ3/8"SS-3.15"	E20	3.15"	2.36"	0.61"	0.85"	-	3/8"	1.26"	2.32"	-	0.60	A	
		RF HSK-E040-EZ3/8"SS-3.94"	E20	3.94"	3.15"	0.61"	0.93"	-	3/8"	1.26"	2.36"	-	0.80	A	
		RF HSK-E040-EZ3/8"SS-4.72"	E20	4.72"	3.94"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-E040-EZ7/16"SS-2.36"	E20	2.36"	1.57"	0.67"	0.83"	-	7/16"	1.14"	1.54"	-	0.40	A	
		RF HSK-E040-EZ7/16"SS-3.15"	E20	3.15"	2.36"	0.67"	0.91"	-	7/16"	1.26"	2.32"	-	0.60	A	
		RF HSK-E040-EZ7/16"SS-3.94"	E20	3.94"	3.15"	0.67"	0.99"	-	7/16"	1.26"	2.36"	-	0.80	A	
		RF HSK-E040-EZ7/16"SS-4.72"	E20	4.72"	3.94"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-E040-EZ1/2"SS-2.36"	E20	2.36"	1.57"	0.74"	0.90"	-	1/2"	1.14"	1.54"	-	0.50	A	
		RF HSK-E040-EZ1/2"SS-3.15"	E20	3.15"	2.36"	0.74"	0.98"	-	1/2"	1.46"	2.32"	-	0.70	A	
		RF HSK-E040-EZ1/2"SS-3.94"	E20	3.94"	3.15"	0.74"	1.06"	-	1/2"	1.46"	2.36"	-	0.90	A	
		RF HSK-E040-EZ1/2"SS-4.72"	E20	4.72"	3.94"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.10	A	

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ezShrink EZSS & EZSSU // RF HSK-E-EZSS & RF HSK-E-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E040-EZ1/8"SSU-2.36"	E22	2.36"	1.57"	0.28"	0.44"	-	1/8"	0.43"	-	-	0.20	A	
		RF HSK-E040-EZ1/8"SSU-3.15"	E22	3.15"	2.36"	0.28"	0.52"	-	1/8"	0.43"	-	-	0.40	A	
		RF HSK-E040-EZ1/8"SSU-3.94"	E22	3.94"	3.15"	0.28"	0.60"	-	1/8"	0.43"	-	-	0.60	A	
		RF HSK-E040-EZ1/8"SSU-4.72"	E22	4.72"	3.94"	0.28"	0.68"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-E040-EZ3/16"SSU-2.36"	E22	2.36"	1.57"	0.34"	0.50"	-	3/16"	0.55"	1.18"	-	0.20	A	
		RF HSK-E040-EZ3/16"SSU-3.15"	E22	3.15"	2.36"	0.34"	0.58"	-	3/16"	0.55"	1.18"	-	0.40	A	
		RF HSK-E040-EZ3/16"SSU-3.94"	E22	3.94"	3.15"	0.34"	0.66"	-	3/16"	0.55"	1.18"	-	0.60	A	
		RF HSK-E040-EZ3/16"SSU-4.72"	E22	4.72"	3.94"	0.34"	0.74"	-	3/16"	0.55"	1.18"	-	0.80	A	
		RF HSK-E040-EZ1/4"SSU-2.36"	E22	2.36"	1.57"	0.41"	0.57"	-	1/4"	0.91"	1.54"	-	0.30	A	
		RF HSK-E040-EZ1/4"SSU-3.15"	E22	3.15"	2.36"	0.41"	0.65"	-	1/4"	0.91"	1.57"	-	0.50	A	
		RF HSK-E040-EZ1/4"SSU-3.94"	E22	3.94"	3.15"	0.41"	0.73"	-	1/4"	0.91"	1.57"	-	0.70	A	
		RF HSK-E040-EZ1/4"SSU-4.72"	E22	4.72"	3.94"	0.41"	0.81"	-	1/4"	0.91"	1.57"	-	0.90	A	
		RF HSK-E040-EZ5/16"SSU-2.36"	E22	2.36"	1.57"	0.47"	0.63"	-	5/16"	1.06"	1.54"	-	0.30	A	
		RF HSK-E040-EZ5/16"SSU-3.15"	E22	3.15"	2.36"	0.47"	0.71"	-	5/16"	1.06"	2.32"	-	0.50	A	
		RF HSK-E040-EZ5/16"SSU-3.94"	E22	3.94"	3.15"	0.47"	0.79"	-	5/16"	1.06"	2.36"	-	0.70	A	
		RF HSK-E040-EZ5/16"SSU-4.72"	E22	4.72"	3.94"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-E040-EZ3/8"SSU-2.36"	E22	2.36"	1.57"	0.53"	0.69"	-	3/8"	1.14"	1.54"	-	0.40	A	
		RF HSK-E040-EZ3/8"SSU-3.15"	E22	3.15"	2.36"	0.53"	0.77"	-	3/8"	1.26"	2.32"	-	0.60	A	
		RF HSK-E040-EZ3/8"SSU-3.94"	E22	3.94"	3.15"	0.53"	0.85"	-	3/8"	1.26"	2.36"	-	0.80	A	
		RF HSK-E040-EZ3/8"SSU-4.72"	E22	4.72"	3.94"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-E040-EZ7/16"SSU-2.36"	E22	2.36"	1.57"	0.59"	0.75"	-	7/16"	1.14"	1.54"	-	0.40	A	
		RF HSK-E040-EZ7/16"SSU-3.15"	E22	3.15"	2.36"	0.59"	0.83"	-	7/16"	1.26"	2.32"	-	0.60	A	
		RF HSK-E040-EZ7/16"SSU-3.94"	E22	3.94"	3.15"	0.59"	0.91"	-	7/16"	1.26"	2.36"	-	0.80	A	
		RF HSK-E040-EZ7/16"SSU-4.72"	E22	4.72"	3.94"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-E040-EZ1/2"SSU-2.36"	E22	2.36"	1.57"	0.66"	0.82"	-	1/2"	1.14"	1.54"	-	0.50	A	
		RF HSK-E040-EZ1/2"SSU-3.15"	E22	3.15"	2.36"	0.66"	0.90"	-	1/2"	1.46"	2.32"	-	0.70	A	
		RF HSK-E040-EZ1/2"SSU-3.94"	E22	3.94"	3.15"	0.66"	0.98"	-	1/2"	1.46"	2.36"	-	0.90	A	
		RF HSK-E040-EZ1/2"SSU-4.72"	E22	4.72"	3.94"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.10	A	

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ezShrink EZSS & EZSSU // RF HSK-E-EZSS & RF HSK-E-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E050-EZ1/8"SS-2.76"	E20	2.76"	1.73"	0.36"	0.56"	-	1/8"	0.43"	-	-	0.40	A	
		RF HSK-E050-EZ1/8"SS-3.94"	E20	3.94"	2.91"	0.36"	0.68"	-	1/8"	0.43"	-	-	0.70	A	
		RF HSK-E050-EZ1/8"SS-4.72"	E20	4.72"	3.70"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-E050-EZ1/8"SS-6.30"	E21	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.30	A	
		RF HSK-E050-EZ3/16"SS-2.76"	E20	2.76"	1.73"	0.42"	0.62"	-	3/16"	0.55"	-	-	0.40	A	
		RF HSK-E050-EZ3/16"SS-3.94"	E20	3.94"	2.91"	0.42"	0.74"	-	3/16"	0.55"	-	-	0.70	A	
		RF HSK-E050-EZ3/16"SS-4.72"	E20	4.72"	3.70"	0.42"	0.82"	-	3/16"	0.55"	-	-	0.90	A	
		RF HSK-E050-EZ3/16"SS-6.30"	E21	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.30	A	
		RF HSK-E050-EZ1/4"SS-2.76"	E20	2.76"	1.73"	0.49"	0.69"	-	1/4"	0.91"	-	-	0.50	A	
		RF HSK-E050-EZ1/4"SS-3.94"	E20	3.94"	2.91"	0.49"	0.81"	-	1/4"	0.91"	-	-	0.80	A	
		RF HSK-E050-EZ1/4"SS-4.72"	E20	4.72"	3.70"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.00	A	
		RF HSK-E050-EZ1/4"SS-6.30"	E21	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.40	A	
		RF HSK-E050-EZ5/16"SS-2.76"	E20	2.76"	1.73"	0.55"	0.75"	-	5/16"	1.06"	1.77"	-	0.50	A	
		RF HSK-E050-EZ5/16"SS-3.94"	E20	3.94"	2.91"	0.55"	0.87"	-	5/16"	1.06"	2.36"	-	0.80	A	
		RF HSK-E050-EZ5/16"SS-4.72"	E20	4.72"	3.70"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	1.00	A	
		RF HSK-E050-EZ5/16"SS-6.30"	E21	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	2.36"	-	1.40	A	
		RF HSK-E050-EZ3/8"SS-2.76"	E20	2.76"	1.73"	0.61"	0.81"	-	3/8"	1.26"	1.77"	-	0.60	A	
		RF HSK-E050-EZ3/8"SS-3.94"	E20	3.94"	2.91"	0.61"	0.93"	-	3/8"	1.26"	2.36"	-	0.90	A	
		RF HSK-E050-EZ3/8"SS-4.72"	E20	4.72"	3.70"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF HSK-E050-EZ3/8"SS-6.30"	E21	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	1.50	A	
		RF HSK-E050-EZ7/16"SS-2.76"	E20	2.76"	1.73"	0.67"	0.87"	-	7/16"	1.26"	1.77"	-	0.60	A	
		RF HSK-E050-EZ7/16"SS-3.94"	E20	3.94"	2.91"	0.67"	0.99"	-	7/16"	1.26"	2.36"	-	0.90	A	
		RF HSK-E050-EZ7/16"SS-4.72"	E20	4.72"	3.70"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-E050-EZ7/16"SS-6.30"	E21	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	1.50	A	
		RF HSK-E050-EZ1/2"SS-2.76"	E20	2.76"	1.73"	0.74"	0.94"	-	1/2"	1.38"	1.77"	-	0.70	A	
		RF HSK-E050-EZ1/2"SS-3.94"	E20	3.94"	2.91"	0.74"	1.06"	-	1/2"	1.46"	2.36"	-	1.00	A	
		RF HSK-E050-EZ1/2"SS-4.72"	E20	4.72"	3.70"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF HSK-E050-EZ1/2"SS-6.30"	E21	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	1.60	A	

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ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E050-EZ1/8"SSU-2.76"	E22	2.76"	1.73"	0.28"	0.48"	-	1/8"	0.43"	-	-	0.40	A	
		RF HSK-E050-EZ1/8"SSU-3.94"	E22	3.94"	2.91"	0.28"	0.60"	-	1/8"	0.43"	-	-	0.70	A	
		RF HSK-E050-EZ1/8"SSU-4.72"	E22	4.72"	3.70"	0.28"	0.68"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-E050-EZ1/8"SSU-6.30"	E23	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.30	A	
		RF HSK-E050-EZ3/16"SSU-2.76"	E22	2.76"	1.73"	0.34"	0.54"	-	3/16"	0.55"	-	-	0.40	A	
		RF HSK-E050-EZ3/16"SSU-3.94"	E22	3.94"	2.91"	0.34"	0.66"	-	3/16"	0.55"	-	-	0.70	A	
		RF HSK-E050-EZ3/16"SSU-4.72"	E22	4.72"	3.70"	0.34"	0.74"	-	3/16"	0.55"	-	-	0.90	A	
		RF HSK-E050-EZ3/16"SSU-6.30"	E23	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.30	A	
		RF HSK-E050-EZ1/4"SSU-2.76"	E22	2.76"	1.73"	0.41"	0.61"	-	1/4"	0.91"	-	-	0.50	A	
		RF HSK-E050-EZ1/4"SSU-3.94"	E22	3.94"	2.91"	0.41"	0.73"	-	1/4"	0.91"	-	-	0.80	A	
		RF HSK-E050-EZ1/4"SSU-4.72"	E22	4.72"	3.70"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.00	A	
		RF HSK-E050-EZ1/4"SSU-6.30"	E23	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.40	A	
		RF HSK-E050-EZ5/16"SSU-2.76"	E22	2.76"	1.73"	0.47"	0.67"	-	5/16"	1.06"	1.77"	-	0.50	A	
		RF HSK-E050-EZ5/16"SSU-3.94"	E22	3.94"	2.91"	0.47"	0.79"	-	5/16"	1.06"	2.36"	-	0.80	A	
		RF HSK-E050-EZ5/16"SSU-4.72"	E22	4.72"	3.70"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	1.00	A	
		RF HSK-E050-EZ5/16"SSU-6.30"	E23	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	2.36"	-	1.40	A	
		RF HSK-E050-EZ3/8"SSU-2.76"	E22	2.76"	1.73"	0.53"	0.73"	-	3/8"	1.26"	1.77"	-	0.60	A	
		RF HSK-E050-EZ3/8"SSU-3.94"	E22	3.94"	2.91"	0.53"	0.85"	-	3/8"	1.26"	2.36"	-	0.90	A	
		RF HSK-E050-EZ3/8"SSU-4.72"	E22	4.72"	3.70"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF HSK-E050-EZ3/8"SSU-6.30"	E23	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	1.50	A	
		RF HSK-E050-EZ7/16"SSU-2.76"	E22	2.76"	1.73"	0.59"	0.79"	-	7/16"	1.26"	1.77"	-	0.60	A	
		RF HSK-E050-EZ7/16"SSU-3.94"	E22	3.94"	2.91"	0.59"	0.91"	-	7/16"	1.26"	2.36"	-	0.90	A	
		RF HSK-E050-EZ7/16"SSU-4.72"	E22	4.72"	3.70"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-E050-EZ7/16"SSU-6.30"	E23	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	1.50	A	
		RF HSK-E050-EZ1/2"SSU-2.76"	E22	2.76"	1.73"	0.66"	0.86"	-	1/2"	1.38"	1.77"	-	0.70	A	
		RF HSK-E050-EZ1/2"SSU-3.94"	E22	3.94"	2.91"	0.66"	0.98"	-	1/2"	1.46"	2.36"	-	1.00	A	
		RF HSK-E050-EZ1/2"SSU-4.72"	E22	4.72"	3.70"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF HSK-E050-EZ1/2"SSU-6.30"	E23	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	1.60	A	

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動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E063-EZ1/8"SS-2.76"	E20	2.76"	1.73"	0.36"	0.56"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-E063-EZ1/8"SS-3.94"	E20	3.94"	2.91"	0.36"	0.68"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-E063-EZ1/8"SS-4.72"	E20	4.72"	3.70"	0.36"	0.76"	-	1/8"	0.43"	-	-	1.00	A	
		RF HSK-E063-EZ1/8"SS-6.30"	E21	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.40	A	
		RF HSK-E063-EZ3/16"SS-2.76"	E20	2.76"	1.73"	0.42"	0.62"	-	3/16"	0.55"	-	-	0.50	A	
		RF HSK-E063-EZ3/16"SS-3.94"	E20	3.94"	2.91"	0.42"	0.74"	-	3/16"	0.55"	-	-	0.80	A	
		RF HSK-E063-EZ3/16"SS-4.72"	E20	4.72"	3.70"	0.42"	0.82"	-	3/16"	0.55"	-	-	1.00	A	
		RF HSK-E063-EZ3/16"SS-6.30"	E21	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.40	A	
		RF HSK-E063-EZ1/4"SS-2.76"	E20	2.76"	1.73"	0.49"	0.69"	-	1/4"	0.91"	-	-	0.60	A	
		RF HSK-E063-EZ1/4"SS-3.94"	E20	3.94"	2.91"	0.49"	0.81"	-	1/4"	0.91"	-	-	0.90	A	
		RF HSK-E063-EZ1/4"SS-4.72"	E20	4.72"	3.70"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.10	A	
		RF HSK-E063-EZ1/4"SS-6.30"	E21	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.50	A	
		RF HSK-E063-EZ5/16"SS-2.76"	E20	2.76"	1.73"	0.55"	0.75"	-	5/16"	1.06"	1.69"	-	0.60	A	
		RF HSK-E063-EZ5/16"SS-3.94"	E20	3.94"	2.91"	0.55"	0.87"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-E063-EZ5/16"SS-4.72"	E20	4.72"	3.70"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	1.10	A	
		RF HSK-E063-EZ5/16"SS-6.30"	E21	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	2.36"	-	1.50	A	
		RF HSK-E063-EZ3/8"SS-2.76"	E20	2.76"	1.73"	0.61"	0.81"	-	3/8"	1.26"	1.69"	-	0.70	A	
		RF HSK-E063-EZ3/8"SS-3.94"	E20	3.94"	2.91"	0.61"	0.93"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-E063-EZ3/8"SS-4.72"	E20	4.72"	3.70"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.20	A	
		RF HSK-E063-EZ3/8"SS-6.30"	E21	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	1.60	A	
		RF HSK-E063-EZ7/16"SS-2.76"	E20	2.76"	1.73"	0.67"	0.87"	-	7/16"	1.26"	1.69"	-	0.70	A	
		RF HSK-E063-EZ7/16"SS-3.94"	E20	3.94"	2.91"	0.67"	0.99"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-E063-EZ7/16"SS-4.72"	E20	4.72"	3.70"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.20	A	
		RF HSK-E063-EZ7/16"SS-6.30"	E21	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	1.60	A	
		RF HSK-E063-EZ1/2"SS-2.76"	E20	2.76"	1.73"	0.74"	0.94"	-	1/2"	1.30"	1.69"	-	0.80	A	
		RF HSK-E063-EZ1/2"SS-3.94"	E20	3.94"	2.91"	0.74"	1.06"	-	1/2"	1.46"	2.36"	-	1.10	A	
		RF HSK-E063-EZ1/2"SS-4.72"	E20	4.72"	3.70"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.30	A	
		RF HSK-E063-EZ1/2"SS-6.30"	E21	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	1.70	A	

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ezShrink EZSS & EZSSU // RF HSK-E-EZSS & RF HSK-E-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-E063-EZ1/8"SSU-2.76"	E22	2.76"	1.73"	0.28"	0.48"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-E063-EZ1/8"SSU-3.94"	E22	3.94"	2.91"	0.28"	0.60"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-E063-EZ1/8"SSU-4.72"	E22	4.72"	3.70"	0.28"	0.68"	-	1/8"	0.43"	-	-	1.00	A	
		RF HSK-E063-EZ1/8"SSU-6.30"	E23	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.40	A	
		RF HSK-E063-EZ3/16"SSU-2.76"	E22	2.76"	1.73"	0.34"	0.54"	-	3/16"	0.55"	-	-	0.50	A	
		RF HSK-E063-EZ3/16"SSU-3.94"	E22	3.94"	2.91"	0.34"	0.66"	-	3/16"	0.55"	-	-	0.80	A	
		RF HSK-E063-EZ3/16"SSU-4.72"	E22	4.72"	3.70"	0.34"	0.74"	-	3/16"	0.55"	-	-	1.00	A	
		RF HSK-E063-EZ3/16"SSU-6.30"	E23	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.40	A	
		RF HSK-E063-EZ1/4"SSU-2.76"	E22	2.76"	1.73"	0.41"	0.61"	-	1/4"	0.91"	-	-	0.60	A	
		RF HSK-E063-EZ1/4"SSU-3.94"	E22	3.94"	2.91"	0.41"	0.73"	-	1/4"	0.91"	-	-	0.90	A	
		RF HSK-E063-EZ1/4"SSU-4.72"	E22	4.72"	3.70"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.10	A	
		RF HSK-E063-EZ1/4"SSU-6.30"	E23	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.50	A	
		RF HSK-E063-EZ5/16"SSU-2.76"	E22	2.76"	1.73"	0.47"	0.67"	-	5/16"	1.06"	1.69"	-	0.60	A	
		RF HSK-E063-EZ5/16"SSU-3.94"	E22	3.94"	2.91"	0.47"	0.79"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-E063-EZ5/16"SSU-4.72"	E22	4.72"	3.70"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	1.10	A	
		RF HSK-E063-EZ5/16"SSU-6.30"	E23	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	2.36"	-	1.50	A	
		RF HSK-E063-EZ3/8"SSU-2.76"	E22	2.76"	1.73"	0.53"	0.73"	-	3/8"	1.26"	1.69"	-	0.70	A	
		RF HSK-E063-EZ3/8"SSU-3.94"	E22	3.94"	2.91"	0.53"	0.85"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-E063-EZ3/8"SSU-4.72"	E22	4.72"	3.70"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.20	A	
		RF HSK-E063-EZ3/8"SSU-6.30"	E23	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	1.60	A	
		RF HSK-E063-EZ7/16"SSU-2.76"	E22	2.76"	1.73"	0.59"	0.79"	-	7/16"	1.26"	1.69"	-	0.70	A	
		RF HSK-E063-EZ7/16"SSU-3.94"	E22	3.94"	2.91"	0.59"	0.91"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-E063-EZ7/16"SSU-4.72"	E22	4.72"	3.70"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.20	A	
		RF HSK-E063-EZ7/16"SSU-6.30"	E23	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	1.60	A	
		RF HSK-E063-EZ1/2"SSU-2.76"	E22	2.76"	1.73"	0.66"	0.86"	-	1/2"	1.30"	1.69"	-	0.80	A	
		RF HSK-E063-EZ1/2"SSU-3.94"	E22	3.94"	2.91"	0.66"	0.98"	-	1/2"	1.46"	2.36"	-	1.10	A	
		RF HSK-E063-EZ1/2"SSU-4.72"	E22	4.72"	3.70"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.30	A	
		RF HSK-E063-EZ1/2"SSU-6.30"	E23	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	1.70	A	

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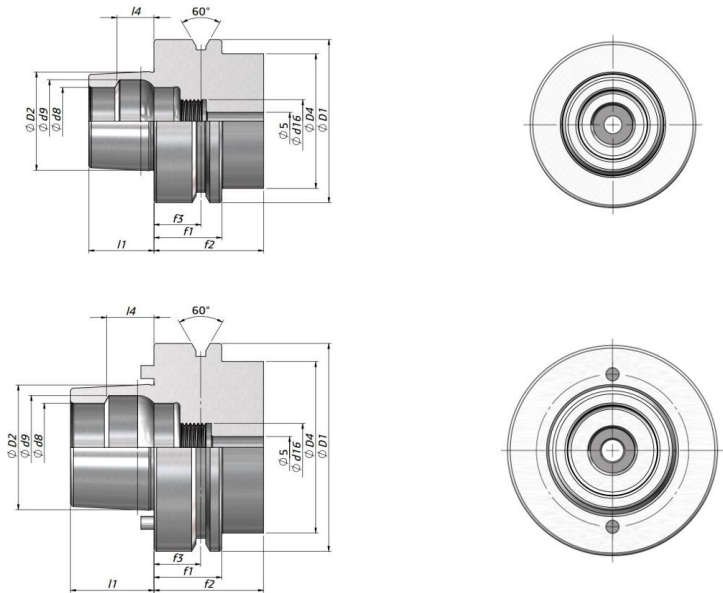
HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink EZ // HSK-F

ezShrink EZ // HSK-F

HSK is hollow shank short taper toolholders
It was developed by Achen University in Germany in 1991
In 1993, Germany published it as norm DIN69893-1~6:1993
There are six different type of HSK: A, B, C, D, E & F
In 2001, ISO published it as norm ISO12164-1:2001
ISO revised the taper angle from 1:10 to 1:9.98
It was to make sure the taper D2 will contact the spindle
when HSK toolholder has dual contact on taper and face

HSK是中空短圓錐刀柄
始於1991年德國阿亨大學開發
1993年成為德國規範DIN69893-1~6:1993
共有A, B, C, D, E & F六種錐度形式
2001年成為ISO規範ISO12164-1:2001
並將原本1/10的錐度改為1/9.98
確保錐度與端面兩面接觸時
中空短圓錐的大端能確實接觸

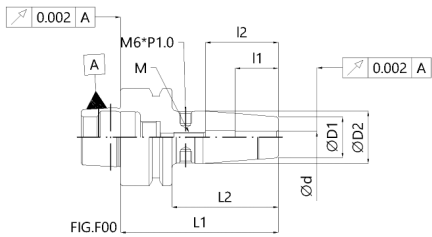


CLAMPING FORCE	HSK-F032	HSK-F040	HSK-F050	HSK-F063	HSK-F063P	HSK-F080P
	3KN	5KN	6.8KN	11KN	11KN	18KN
TAPER	HSK-F032	HSK-F040	HSK-F050	HSK-F063	HSK-F063	HSK-F080
ØD1 h10	32	40	50	63	63	80
ØD2	19 +0.0070/+0.0030	24 +0.0090/+0.0050	30 +0.0090/+0.0050	38 +0.0115/+0.0065	38 +0.0115/+0.0065	48 +0.0130/+0.007
ØD4 max.	26	34	42	53	53	67
d16	M8*P1.0	M10*P1.0	M12*P1.0	M16*P1.0	M16*P1.0	M18*P1.0
Ød8 H10	14	17	21	26	26	34
Ød9 H11	16	21	26	32	32	40
f1 0.0/-0.1	20	20	26	26	26	26
f2 min.	35	35	42	42	42	42
f3 +/-0.1	16	16	18	18	18	18
l1 0.0/-0.2	13	16	20	25	25	32
l4 JS10	7	9	11	14	14	18
PIN	-	-	-	-	5	5
PCD ØD16 +/-0.1	-	-	-	-	52	58

ezShrink EZ // HSK-F-EZ

ezShrink 熱膨脹燒結刀柄

ezShrink shrink fit chucks



動平衡G2.5/40,000RPM-G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM-G2.5/30,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
O	HSK-F040-EZ06-080	F00	80	60	21	27	-	6	23	37	M5*P0.8	0.60	A	
O	HSK-F040-EZ08-080	F00	80	60	21	27	-	8	27	37	M6*P1.0	0.60	A	
O	HSK-F040-EZ10-080	F00	80	60	24	32	-	10	32	42	M8*P1.0	0.70	A	
O	HSK-F040-EZ12-090	F00	90	70	24	32	-	12	37	42	M10*P1.0	0.80	A	
O	HSK-F040-EZ14-090	F00	90	70	27	34	-	14	37	48	M10*P1.0	0.90	A	
O	HSK-F040-EZ16-090	F00	90	70	27	34	-	16	40	51	M12*P1.0	0.90	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
O	HSK-F050-EZ06-080	F00	80	54	21	27	-	6	23	37	M5*P0.8	0.70	A	
O	HSK-F050-EZ08-080	F00	80	54	21	27	-	8	27	37	M6*P1.0	0.70	A	
O	HSK-F050-EZ10-085	F00	85	59	24	32	-	10	32	42	M8*P1.0	0.90	A	
O	HSK-F050-EZ12-090	F00	90	64	24	32	-	12	37	48	M10*P1.0	0.90	A	
O	HSK-F050-EZ14-090	F00	90	64	27	34	-	14	37	48	M10*P1.0	1.00	A	
O	HSK-F050-EZ16-095	F00	95	69	27	34	-	16	40	51	M12*P1.0	1.10	A	
O	HSK-F050-EZ18-095	F00	95	69	33	41	-	18	40	51	M12*P1.0	1.20	A	
O	HSK-F050-EZ20-100	F00	100	74	33	41	-	20	42	53	M16*P1.0	1.20	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
O	HSK-F063-EZ06-080	F00	80	54	21	27	-	6	23	37	M5*P0.8	0.80	A	
O	HSK-F063-EZ08-080	F00	80	54	21	27	-	8	27	37	M6*P1.0	0.80	A	
O	HSK-F063-EZ10-085	F00	85	59	24	32	-	10	32	42	M8*P1.0	1.00	A	
O	HSK-F063-EZ12-090	F00	90	64	24	32	-	12	37	48	M10*P1.0	1.00	A	
O	HSK-F063-EZ14-090	F00	90	64	27	34	-	14	37	48	M10*P1.0	1.10	A	
O	HSK-F063-EZ16-095	F00	95	69	27	34	-	16	40	51	M12*P1.0	1.20	A	
O	HSK-F063-EZ18-095	F00	95	69	33	41	-	18	40	51	M12*P1.0	1.30	A	
O	HSK-F063-EZ20-100	F00	100	74	33	41	-	20	42	53	M16*P1.0	1.30	A	
O	HSK-F063-EZ25-115	F00	115	89	44	53	-	25	48	59	M16*P1.0	1.90	A	
O	HSK-F063-EZ32-120	F00	120	94	44	53	-	32	52	63	M16*P1.0	1.90	A	

產品FIG.F00 出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.F00 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

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HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

動平衡G2.5/40,000RPM-G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM-G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-F040-EZ1/4"-3.15"	F00	3.15"	2.36"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.60	A	
O		HSK-F040-EZ5/16"-3.15"	F00	3.15"	2.36"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.60	A	
O		HSK-F040-EZ3/8"-3.15"	F00	3.15"	2.36"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.70	A	
O		HSK-F040-EZ7/16"-3.54"	F00	3.54"	2.76"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	0.80	A	
O		HSK-F040-EZ1/2"-3.54"	F00	3.54"	2.76"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	0.90	A	
O		HSK-F040-EZ5/8"-3.54"	F00	3.54"	2.76"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	0.90	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-F050-EZ1/4"-3.15"	F00	3.15"	2.13"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.70	A	
O		HSK-F050-EZ5/16"-3.15"	F00	3.15"	2.13"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.70	A	
O		HSK-F050-EZ3/8"-3.35"	F00	3.35"	2.32"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	0.90	A	
O		HSK-F050-EZ7/16"-3.35"	F00	3.35"	2.32"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	0.90	A	
O		HSK-F050-EZ1/2"-3.54"	F00	3.54"	2.52"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.00	A	
O		HSK-F050-EZ5/8"-3.74"	F00	3.74"	2.72"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.10	A	
O		HSK-F050-EZ3/4"-3.94"	F00	3.94"	2.91"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	1.20	A	
O		HSK-F050-EZ7/8"-3.94"	F00	3.94"	2.91"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.20	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		HSK-F063-EZ1/4"-3.15"	F00	3.15"	2.13"	0.83"	1.06"	-	1/4"	0.91"	1.46"	M5*P0.8	0.80	A	
O		HSK-F063-EZ5/16"-3.15"	F00	3.15"	2.13"	0.83"	1.06"	-	5/16"	1.06"	1.46"	M6*P1.0	0.80	A	
O		HSK-F063-EZ3/8"-3.35"	F00	3.35"	2.32"	0.94"	1.26"	-	3/8"	1.26"	1.65"	M8*P1.0	1.00	A	
O		HSK-F063-EZ7/16"-3.54"	F00	3.54"	2.91"	0.94"	1.26"	-	7/16"	1.26"	1.65"	M10*P1.0	1.00	A	
O		HSK-F063-EZ1/2"-3.54"	F00	3.54"	2.91"	0.94"	1.26"	-	1/2"	1.46"	1.89"	M10*P1.0	1.10	A	
O		HSK-F063-EZ5/8"-3.74"	F00	3.74"	2.72"	1.06"	1.34"	-	5/8"	1.57"	2.01"	M12*P1.0	1.10	A	
O		HSK-F063-EZ3/4"-3.94"	F00	3.94"	2.91"	1.30"	1.62"	-	3/4"	1.65"	2.09"	M12*P1.0	1.30	A	
O		HSK-F063-EZ7/8"-3.94"	F00	3.94"	2.91"	1.30"	1.62"	-	7/8"	1.65"	2.09"	M16*P1.0	1.30	A	
O		HSK-F063-EZ1"-4.53"	F00	4.53"	3.50"	1.73"	2.09"	-	1"	1.89"	2.32"	M16*P1.0	1.90	A	
O		HSK-F063-EZ1 1/4"-4.72"	F00	4.72"	3.70"	1.73"	2.09"	-	1 1/4"	2.05"	2.48"	M16*P1.0	1.90	A	

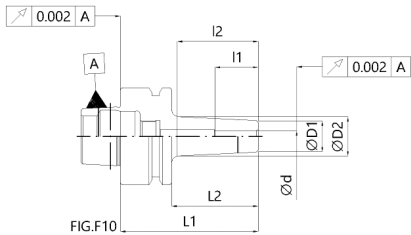
產品FIG.F00 出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.F00 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink EZSR // HSK-F-EZSR

ezShrink SlimRegular 細型熱膨脹燒結刀柄
ezShrink SlimRegular shrink fit chucks



動平衡G2.5/40,000RPM-G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM-G2.5/30,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	HSK-F040-EZ03SR-060	F10	60	40	13	17	-	3	11	-	-	0.30	A	
	HSK-F040-EZ03SR-080	F10	80	60	13	19	-	3	11	-	-	0.50	A	
	HSK-F040-EZ04SR-060	F10	60	40	14	18	-	4	14	30	-	0.30	A	
	HSK-F040-EZ04SR-080	F10	80	60	14	20	-	4	14	30	-	0.50	A	
	HSK-F040-EZ05SR-060	F10	60	40	15	19	-	5	17	30	-	0.30	A	
	HSK-F040-EZ05SR-080	F10	80	60	15	21	-	5	17	30	-	0.50	A	
	HSK-F040-EZ06SR-060	F10	60	40	16	20	-	6	23	40	-	0.40	A	
	HSK-F040-EZ06SR-080	F10	80	60	16	22	-	6	23	40	-	0.60	A	
	HSK-F040-EZ08SR-060	F10	60	40	18	22	-	8	27	39	-	0.40	A	
	HSK-F040-EZ08SR-080	F10	80	60	18	24	-	8	27	59	-	0.60	A	
	HSK-F040-EZ10SR-060	F10	60	40	20	24	-	10	29	39	-	0.50	A	
	HSK-F040-EZ10SR-080	F10	80	60	20	26	-	10	32	59	-	0.70	A	
	HSK-F040-EZ12SR-060	F10	60	40	22	26	-	12	29	39	-	0.50	A	
	HSK-F040-EZ12SR-080	F10	80	60	22	28	-	12	37	59	-	0.70	A	
	HSK-F040-EZ14SR-060	F10	60	40	24	28	-	14	29	39	-	0.60	A	
	HSK-F040-EZ14SR-080	F10	80	60	24	30	-	14	37	59	-	0.80	A	
	HSK-F040-EZ16SR-060	F10	60	40	26	30	-	16	29	39	-	0.60	A	
	HSK-F040-EZ16SR-080	F10	80	60	26	32	-	16	40	59	-	0.80	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	HSK-F050-EZ03SR-070	F10	70	44	13	18	-	3	11	-	-	0.50	A	
	HSK-F050-EZ03SR-100	F10	100	74	13	21	-	3	11	-	-	0.80	A	
	HSK-F050-EZ04SR-070	F10	70	44	14	19	-	4	14	-	-	0.50	A	
	HSK-F050-EZ04SR-100	F10	100	74	14	22	-	4	14	-	-	0.80	A	
	HSK-F050-EZ05SR-070	F10	70	44	15	20	-	5	17	30	-	0.50	A	
	HSK-F050-EZ05SR-100	F10	100	74	15	23	-	5	17	30	-	0.80	A	
	HSK-F050-EZ06SR-070	F10	70	44	16	21	-	6	23	40	-	0.60	A	
	HSK-F050-EZ06SR-100	F10	100	74	16	24	-	6	23	40	-	0.90	A	
	HSK-F050-EZ08SR-070	F10	70	44	18	23	-	8	27	45	-	0.60	A	
	HSK-F050-EZ08SR-100	F10	100	74	18	26	-	8	27	60	-	0.90	A	
	HSK-F050-EZ10SR-070	F10	70	44	20	25	-	10	32	45	-	0.70	A	
	HSK-F050-EZ10SR-100	F10	100	74	20	28	-	10	32	60	-	1.00	A	
	HSK-F050-EZ12SR-070	F10	70	44	22	27	-	12	35	45	-	0.70	A	
	HSK-F050-EZ12SR-100	F10	100	74	22	30	-	12	37	60	-	1.00	A	
	HSK-F050-EZ14SR-070	F10	70	44	24	29	-	14	35	45	-	0.80	A	
	HSK-F050-EZ14SR-100	F10	100	74	24	32	-	14	37	75	-	1.10	A	
	HSK-F050-EZ16SR-070	F10	70	44	26	31	-	16	35	45	-	0.80	A	
	HSK-F050-EZ16SR-100	F10	100	74	26	34	-	16	40	75	-	1.10	A	
	HSK-F050-EZ18SR-070	F10	70	44	26	33	-	18	35	45	-	0.90	A	
	HSK-F050-EZ18SR-100	F10	100	74	26	36	-	18	40	75	-	1.20	A	
	HSK-F050-EZ20SR-070	F10	70	44	26	35	-	20	38	45	-	0.90	A	
	HSK-F050-EZ20SR-100	F10	100	74	26	38	-	20	42	75	-	1.20	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		HSK-F063-EZ03SR-070	F10	70	44	13	18	-	3	11	-	-	0.60	A	
○		HSK-F063-EZ03SR-100	F10	100	74	13	21	-	3	11	-	-	0.90	A	
○		HSK-F063-EZ04SR-070	F10	70	44	14	19	-	4	14	-	-	0.60	A	
○		HSK-F063-EZ04SR-100	F10	100	74	14	22	-	4	14	-	-	0.90	A	
○		HSK-F063-EZ05SR-070	F10	70	44	15	20	-	5	17	-	-	0.60	A	
○		HSK-F063-EZ05SR-100	F10	100	74	15	23	-	5	17	-	-	0.90	A	
○		HSK-F063-EZ06SR-070	F10	70	44	16	21	-	6	23	-	-	0.70	A	
○		HSK-F063-EZ06SR-100	F10	100	74	16	24	-	6	23	-	-	1.00	A	
○		HSK-F063-EZ08SR-070	F10	70	44	18	23	-	8	27	43	-	0.70	A	
○		HSK-F063-EZ08SR-100	F10	100	74	18	26	-	8	27	60	-	1.00	A	
○		HSK-F063-EZ10SR-070	F10	70	44	20	25	-	10	32	43	-	0.80	A	
○		HSK-F063-EZ10SR-100	F10	100	74	20	28	-	10	32	60	-	1.10	A	
○		HSK-F063-EZ12SR-070	F10	70	44	22	27	-	12	33	43	-	0.80	A	
○		HSK-F063-EZ12SR-100	F10	100	74	22	30	-	12	37	60	-	1.10	A	
○		HSK-F063-EZ14SR-070	F10	70	44	24	29	-	14	33	43	-	0.90	A	
○		HSK-F063-EZ14SR-100	F10	100	74	24	32	-	14	37	73	-	1.20	A	
○		HSK-F063-EZ16SR-070	F10	70	44	26	31	-	16	33	43	-	0.90	A	
○		HSK-F063-EZ16SR-100	F10	100	74	26	34	-	16	40	73	-	1.20	A	
○		HSK-F063-EZ18SR-070	F10	70	44	26	33	-	18	33	43	-	1.00	A	
○		HSK-F063-EZ18SR-100	F10	100	74	26	36	-	18	40	73	-	1.30	A	
○		HSK-F063-EZ20SR-070	F10	70	44	26	35	-	20	33	43	-	1.00	A	
○		HSK-F063-EZ20SR-100	F10	100	74	26	38	-	20	42	73	-	1.30	A	
○		HSK-F063-EZ25SR-080	F10	80	54	35	41	-	25	43	53	-	1.50	A	
○		HSK-F063-EZ25SR-100	F10	100	74	35	43	-	25	48	73	-	1.70	A	
○		HSK-F063-EZ32SR-080	F10	80	54	42	48	-	32	43	53	-	1.50	A	
○		HSK-F063-EZ32SR-100	F10	100	74	42	50	-	32	52	73	-	1.70	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

ezShrink EZSR // HSK-F-EZSR inch

ezShrink SlimRegular 細型熱膨脹燒結刀柄-英制

ezShrink SlimRegular shrink fit chucks-inch

動平衡G2.5/40,000RPM-G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM-G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		HSK-F040-EZ1/8"SR-2.36"	F10	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.30	A	
		HSK-F040-EZ1/8"SR-3.15"	F10	3.15"	2.36"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.50	A	
		HSK-F040-EZ3/16"SR-2.36"	F10	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.18"	-	0.30	A	
		HSK-F040-EZ3/16"SR-3.15"	F10	3.15"	2.36"	0.59"	0.83"	-	3/16"	0.55"	1.18"	-	0.50	A	
		HSK-F040-EZ1/4"SR-2.36"	F10	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.54"	-	0.40	A	
		HSK-F040-EZ1/4"SR-3.15"	F10	3.15"	2.36"	0.65"	0.89"	-	1/4"	0.91"	1.57"	-	0.60	A	
		HSK-F040-EZ5/16"SR-2.36"	F10	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	1.54"	-	0.40	A	
		HSK-F040-EZ5/16"SR-3.15"	F10	3.15"	2.36"	0.71"	0.95"	-	5/16"	1.06"	2.32"	-	0.60	A	
		HSK-F040-EZ3/8"SR-2.36"	F10	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.14"	1.54"	-	0.50	A	
		HSK-F040-EZ3/8"SR-3.15"	F10	3.15"	2.36"	0.77"	1.01"	-	3/8"	1.26"	2.32"	-	0.70	A	
		HSK-F040-EZ7/16"SR-2.36"	F10	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.14"	1.54"	-	0.50	A	
		HSK-F040-EZ7/16"SR-3.15"	F10	3.15"	2.36"	0.84"	1.08"	-	7/16"	1.26"	2.32"	-	0.70	A	
		HSK-F040-EZ1/2"SR-2.36"	F10	2.36"	1.57"	0.90"	1.06"	-	1/2"	1.14"	1.54"	-	0.60	A	
		HSK-F040-EZ1/2"SR-3.15"	F10	3.15"	2.36"	0.90"	1.14"	-	1/2"	1.46"	2.32"	-	0.80	A	
		HSK-F040-EZ5/8"SR-2.36"	F10	2.36"	1.57"	1.02"	1.18"	-	5/8"	1.14"	1.54"	-	0.60	A	
		HSK-F040-EZ5/8"SR-3.15"	F10	3.15"	2.36"	1.02"	1.26"	-	5/8"	1.57"	2.32"	-	0.80	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		HSK-F050-EZ1/8"SR-2.76"	F10	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.50	A	
		HSK-F050-EZ1/8"SR-3.94"	F10	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.80	A	
		HSK-F050-EZ3/16"SR-2.76"	F10	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	1.18"	-	0.50	A	
		HSK-F050-EZ3/16"SR-3.94"	F10	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	1.18"	-	0.80	A	
		HSK-F050-EZ1/4"SR-2.76"	F10	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	1.57"	-	0.60	A	
		HSK-F050-EZ1/4"SR-3.94"	F10	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	1.57"	-	0.90	A	
		HSK-F050-EZ5/16"SR-2.76"	F10	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.77"	-	0.60	A	
		HSK-F050-EZ5/16"SR-3.94"	F10	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	0.90	A	
		HSK-F050-EZ3/8"SR-2.76"	F10	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.77"	-	0.70	A	
		HSK-F050-EZ3/8"SR-3.94"	F10	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.00	A	
		HSK-F050-EZ7/16"SR-2.76"	F10	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.77"	-	0.70	A	
		HSK-F050-EZ7/16"SR-3.94"	F10	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.00	A	
		HSK-F050-EZ1/2"SR-2.76"	F10	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.38"	1.77"	-	0.80	A	
		HSK-F050-EZ1/2"SR-3.94"	F10	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.10	A	
		HSK-F050-EZ5/8"SR-2.76"	F10	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.38"	1.77"	-	0.80	A	
		HSK-F050-EZ5/8"SR-3.94"	F10	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	3.07"	-	1.10	A	
		HSK-F050-EZ3/4"SR-2.76"	F10	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.38"	1.77"	-	0.90	A	
		HSK-F050-EZ3/4"SR-3.94"	F10	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	3.07"	-	1.20	A	
		HSK-F050-EZ7/8"SR-2.76"	F10	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.38"	1.77"	-	0.90	A	
		HSK-F050-EZ7/8"SR-3.94"	F10	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	3.07"	-	1.20	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

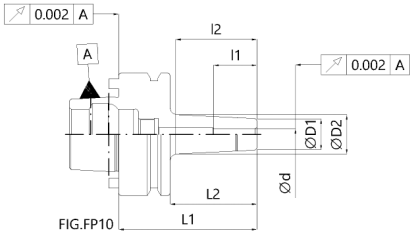
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		HSK-F063-EZ1/8"SR-2.76"	F10	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.60	A	
		HSK-F063-EZ1/8"SR-3.94"	F10	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.90	A	
		HSK-F063-EZ3/16"SR-2.76"	F10	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.60	A	
		HSK-F063-EZ3/16"SR-3.94"	F10	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.90	A	
		HSK-F063-EZ1/4"SR-2.76"	F10	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.70	A	
		HSK-F063-EZ1/4"SR-3.94"	F10	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.00	A	
		HSK-F063-EZ5/16"SR-2.76"	F10	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.69"	-	0.70	A	
		HSK-F063-EZ5/16"SR-3.94"	F10	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	1.00	A	
		HSK-F063-EZ3/8"SR-2.76"	F10	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.69"	-	0.80	A	
		HSK-F063-EZ3/8"SR-3.94"	F10	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.10	A	
		HSK-F063-EZ7/16"SR-2.76"	F10	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.69"	-	0.80	A	
		HSK-F063-EZ7/16"SR-3.94"	F10	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.10	A	
		HSK-F063-EZ1/2"SR-2.76"	F10	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.30"	1.69"	-	0.90	A	
		HSK-F063-EZ1/2"SR-3.94"	F10	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.20	A	
		HSK-F063-EZ5/8"SR-2.76"	F10	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.30"	1.69"	-	0.90	A	
		HSK-F063-EZ5/8"SR-3.94"	F10	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.87"	-	1.20	A	
		HSK-F063-EZ3/4"SR-2.76"	F10	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.50"	1.69"	-	1.00	A	
		HSK-F063-EZ3/4"SR-3.94"	F10	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.87"	-	1.30	A	
		HSK-F063-EZ7/8"SR-2.76"	F10	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.30"	1.69"	-	1.00	A	
		HSK-F063-EZ7/8"SR-3.94"	F10	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.87"	-	1.30	A	
		HSK-F063-EZ1"SR-3.15"	F10	3.15"	2.13"	1.40"	1.60"	-	1"	1.69"	2.09"	-	1.50	A	
		HSK-F063-EZ1"SR-3.94"	F10	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.87"	-	1.70	A	
		HSK-F063-EZ1 1/4"SR-3.15"	F10	3.15"	2.13"	1.40"	1.84"	-	1 1/4"	1.69"	2.09"	-	1.50	A	
		HSK-F063-EZ1 1/4"SR-3.94"	F10	3.94"	2.91"	1.40"	1.96"	-	1 1/4"	2.05"	2.87"	-	1.70	A	

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ezShrink EZSR // HSK-FP-EZSR

ezShrink SlimRegular 細型熱膨脹燒結刀柄
ezShrink SlimRegular shrink fit chucks



動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
		HSK-F063P-EZ03SR-070	FP10	70	44	13	18	-	3	11	-	-	0.60	C	
		HSK-F063P-EZ03SR-100	FP10	100	74	13	21	-	3	11	-	-	0.90	C	
		HSK-F063P-EZ04SR-070	FP10	70	44	14	19	-	4	14	-	-	0.60	C	
		HSK-F063P-EZ04SR-100	FP10	100	74	14	22	-	4	14	-	-	0.90	C	
		HSK-F063P-EZ05SR-070	FP10	70	44	15	20	-	5	17	-	-	0.60	C	
		HSK-F063P-EZ05SR-100	FP10	100	74	15	23	-	5	17	-	-	0.90	C	
		HSK-F063P-EZ06SR-070	FP10	70	44	16	21	-	6	23	-	-	0.70	C	
		HSK-F063P-EZ06SR-100	FP10	100	74	16	24	-	6	23	-	-	1.00	C	
		HSK-F063P-EZ08SR-070	FP10	70	44	18	23	-	8	27	43	-	0.70	C	
		HSK-F063P-EZ08SR-100	FP10	100	74	18	26	-	8	27	60	-	1.00	C	
		HSK-F063P-EZ10SR-070	FP10	70	44	20	25	-	10	32	43	-	0.80	C	
		HSK-F063P-EZ10SR-100	FP10	100	74	20	28	-	10	32	60	-	1.10	C	
		HSK-F063P-EZ12SR-070	FP10	70	44	22	27	-	12	33	43	-	0.80	C	
		HSK-F063P-EZ12SR-100	FP10	100	74	22	30	-	12	37	60	-	1.10	C	
		HSK-F063P-EZ14SR-070	FP10	70	44	24	29	-	14	33	43	-	0.90	C	
		HSK-F063P-EZ14SR-100	FP10	100	74	24	32	-	14	37	73	-	1.20	C	
		HSK-F063P-EZ16SR-070	FP10	70	44	26	31	-	16	33	43	-	0.90	C	
		HSK-F063P-EZ16SR-100	FP10	100	74	26	34	-	16	40	73	-	1.20	C	
		HSK-F063P-EZ18SR-070	FP10	70	44	26	33	-	18	33	43	-	1.00	C	
		HSK-F063P-EZ18SR-100	FP10	100	74	26	36	-	18	40	73	-	1.30	C	
		HSK-F063P-EZ20SR-070	FP10	70	44	26	35	-	20	33	43	-	1.00	C	
		HSK-F063P-EZ20SR-100	FP10	100	74	26	38	-	20	42	73	-	1.30	C	
		HSK-F063P-EZ25SR-080	FP10	80	54	35	41	-	25	43	53	-	1.50	C	
		HSK-F063P-EZ25SR-100	FP10	100	74	35	43	-	25	48	73	-	1.70	C	
		HSK-F063P-EZ32SR-080	FP10	80	54	42	48	-	32	43	53	-	1.50	C	
		HSK-F063P-EZ32SR-100	FP10	100	74	42	50	-	32	52	73	-	1.70	C	

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動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		HSK-F080P-EZ03SR-080	FP10	80	54	13	19	-	3	11	-	-	1.40	C	
		HSK-F080P-EZ03SR-100	FP10	100	74	13	21	-	3	11	-	-	1.60	C	
		HSK-F080P-EZ04SR-080	FP10	80	54	14	20	-	4	14	-	-	1.40	C	
		HSK-F080P-EZ04SR-100	FP10	100	74	14	22	-	4	14	-	-	1.60	C	
		HSK-F080P-EZ05SR-080	FP10	80	54	15	21	-	5	17	-	-	1.40	C	
		HSK-F080P-EZ05SR-100	FP10	100	74	15	23	-	5	17	-	-	1.60	C	
		HSK-F080P-EZ06SR-080	FP10	80	54	16	22	-	6	23	-	-	1.50	C	
		HSK-F080P-EZ06SR-100	FP10	100	74	16	24	-	6	23	-	-	1.70	C	
		HSK-F080P-EZ08SR-080	FP10	80	54	18	24	-	8	27	-	-	1.50	C	
		HSK-F080P-EZ08SR-100	FP10	100	74	18	26	-	8	27	-	-	1.70	C	
		HSK-F080P-EZ10SR-080	FP10	80	54	20	26	-	10	32	48	-	1.60	C	
		HSK-F080P-EZ10SR-100	FP10	100	74	20	28	-	10	32	60	-	1.80	C	
		HSK-F080P-EZ12SR-080	FP10	80	54	22	28	-	12	37	48	-	1.60	C	
		HSK-F080P-EZ12SR-100	FP10	100	74	22	30	-	12	37	60	-	1.80	C	
		HSK-F080P-EZ14SR-080	FP10	80	54	24	30	-	14	37	48	-	1.70	C	
		HSK-F080P-EZ14SR-100	FP10	100	74	24	32	-	14	37	68	-	1.90	C	
		HSK-F080P-EZ16SR-080	FP10	80	54	26	32	-	16	38	48	-	1.70	C	
		HSK-F080P-EZ16SR-100	FP10	100	74	26	34	-	16	40	68	-	1.90	C	
		HSK-F080P-EZ18SR-080	FP10	80	54	26	34	-	18	38	48	-	1.80	C	
		HSK-F080P-EZ18SR-100	FP10	100	74	26	36	-	18	40	68	-	2.00	C	
		HSK-F080P-EZ20SR-080	FP10	80	54	26	36	-	20	38	48	-	1.80	C	
		HSK-F080P-EZ20SR-100	FP10	100	74	26	38	-	20	42	68	-	2.00	C	
		HSK-F080P-EZ25SR-100	FP10	100	74	35	43	-	25	48	68	-	2.40	C	
		HSK-F080P-EZ32SR-100	FP10	100	74	42	50	-	32	52	68	-	2.40	C	

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ezShrink EZSR // HSK-FP-EZSR inch

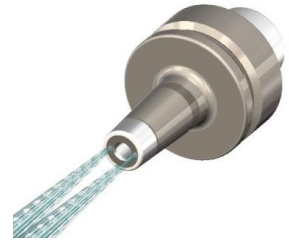
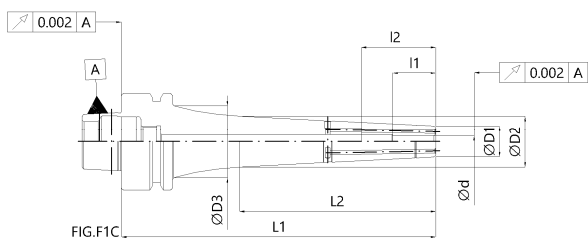
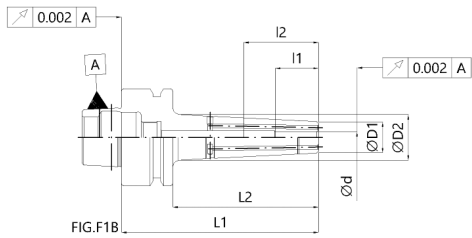
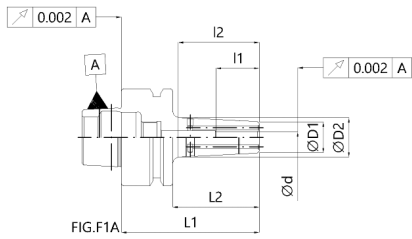
ezShrink SlimRegular 細型熱膨脹燒結刀柄-英制
ezShrink SlimRegular shrink fit chucks-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		HSK-F063P-EZ1/8"SR-2.76"	FP10	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.60	C	
		HSK-F063P-EZ1/8"SR-3.94"	FP10	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.90	C	
		HSK-F063P-EZ3/16"SR-2.76"	FP10	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.60	C	
		HSK-F063P-EZ3/16"SR-3.94"	FP10	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.90	C	
		HSK-F063P-EZ1/4"SR-2.76"	FP10	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.70	C	
		HSK-F063P-EZ1/4"SR-3.94"	FP10	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.00	C	
		HSK-F063P-EZ5/16"SR-2.76"	FP10	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.69"	-	0.70	C	
		HSK-F063P-EZ5/16"SR-3.94"	FP10	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	1.00	C	
		HSK-F063P-EZ3/8"SR-2.76"	FP10	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.69"	-	0.80	C	
		HSK-F063P-EZ3/8"SR-3.94"	FP10	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.10	C	
		HSK-F063P-EZ7/16"SR-2.76"	FP10	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.69"	-	0.80	C	
		HSK-F063P-EZ7/16"SR-3.94"	FP10	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.10	C	
		HSK-F063P-EZ1/2"SR-2.76"	FP10	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.30"	1.69"	-	0.90	C	
		HSK-F063P-EZ1/2"SR-3.94"	FP10	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.20	C	
		HSK-F063P-EZ5/8"SR-2.76"	FP10	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.30"	1.69"	-	0.90	C	
		HSK-F063P-EZ5/8"SR-3.94"	FP10	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.87"	-	1.20	C	
		HSK-F063P-EZ3/4"SR-2.76"	FP10	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.50"	1.69"	-	1.00	C	
		HSK-F063P-EZ3/4"SR-3.94"	FP10	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.87"	-	1.30	C	
		HSK-F063P-EZ7/8"SR-2.76"	FP10	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.30"	1.69"	-	1.00	C	
		HSK-F063P-EZ7/8"SR-3.94"	FP10	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.87"	-	1.30	C	
		HSK-F063P-EZ1"SR-3.15"	FP10	3.15"	2.13"	1.40"	1.60"	-	1"	1.69"	2.09"	-	1.50	C	
		HSK-F063P-EZ1"SR-3.94"	FP10	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.87"	-	1.70	C	
		HSK-F063P-EZ1 1/4"SR-3.15"	FP10	3.15"	2.13"	1.40"	1.84"	-	1 1/4"	1.69"	2.09"	-	1.50	C	
		HSK-F063P-EZ1 1/4"SR-3.94"	FP10	3.94"	2.91"	1.40"	1.96"	-	1 1/4"	2.05"	2.87"	-	1.70	C	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		HSK-F080P-EZ1/8"SR-2.76"	FP10	2.76"	1.73"	0.52"	0.76"	-	1/8"	0.43"	-	-	1.40	C	
		HSK-F080P-EZ1/8"SR-3.94"	FP10	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	1.60	C	
		HSK-F080P-EZ3/16"SR-2.76"	FP10	2.76"	1.73"	0.59"	0.83"	-	3/16"	0.55"	-	-	1.40	C	
		HSK-F080P-EZ3/16"SR-3.94"	FP10	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	1.60	C	
		HSK-F080P-EZ1/4"SR-2.76"	FP10	2.76"	1.73"	0.65"	0.89"	-	1/4"	0.91"	-	-	1.50	C	
		HSK-F080P-EZ1/4"SR-3.94"	FP10	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.70	C	
		HSK-F080P-EZ5/16"SR-2.76"	FP10	2.76"	1.73"	0.71"	0.95"	-	5/16"	1.06"	1.89"	-	1.50	C	
		HSK-F080P-EZ5/16"SR-3.94"	FP10	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	1.70	C	
		HSK-F080P-EZ3/8"SR-2.76"	FP10	2.76"	1.73"	0.77"	1.01"	-	3/8"	1.26"	1.89"	-	1.60	C	
		HSK-F080P-EZ3/8"SR-3.94"	FP10	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.80	C	
		HSK-F080P-EZ7/16"SR-2.76"	FP10	2.76"	1.73"	0.84"	1.08"	-	7/16"	1.26"	1.89"	-	1.60	C	
		HSK-F080P-EZ7/16"SR-3.94"	FP10	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.80	C	
		HSK-F080P-EZ1/2"SR-2.76"	FP10	2.76"	1.73"	0.90"	1.14"	-	1/2"	1.46"	1.89"	-	1.70	C	
		HSK-F080P-EZ1/2"SR-3.94"	FP10	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.90	C	
		HSK-F080P-EZ5/8"SR-2.76"	FP10	2.76"	1.73"	1.02"	1.26"	-	5/8"	1.50"	1.89"	-	1.70	C	
		HSK-F080P-EZ5/8"SR-3.94"	FP10	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.68"	-	1.90	C	
		HSK-F080P-EZ3/4"SR-2.76"	FP10	2.76"	1.73"	1.15"	1.39"	-	3/4"	1.50"	1.89"	-	1.80	C	
		HSK-F080P-EZ3/4"SR-3.94"	FP10	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.68"	-	2.00	C	
		HSK-F080P-EZ7/8"SR-2.76"	FP10	2.76"	1.73"	1.27"	1.51"	-	7/8"	1.50"	1.89"	-	1.80	C	
		HSK-F080P-EZ7/8"SR-3.94"	FP10	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.68"	-	2.00	C	
		HSK-F080P-EZ1"SR-3.94"	FP10	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.64"	-	2.40	C	
		HSK-F080P-EZ1 1/4"SR-3.94"	FP10	3.94"	2.91"	1.40"	1.96"	-	1 1/4"	2.05"	2.64"	-	2.40	C	

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ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose



ezShrink EZSRKK // RF HSK-F-EZSRKK

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄
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動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F040-EZ03SR-060KZ	F1A	60	40	13	17	-	3	11	-	-	0.30	A	
		RF HSK-F040-EZ03SR-080KK	F1B	80	60	13	19	-	3	11	-	-	0.50	A	
		RF HSK-F040-EZ03SR-100KK	F1B	100	80	13	21	-	3	11	-	-	0.70	A	
		RF HSK-F040-EZ03SR-120KK	F1B	120	100	13	23	-	3	11	-	-	0.90	A	
		RF HSK-F040-EZ04SR-060KZ	F1A	60	40	14	18	-	4	14	39	-	0.30	A	
		RF HSK-F040-EZ04SR-080KK	F1B	80	60	14	20	-	4	14	40	-	0.50	A	
		RF HSK-F040-EZ04SR-100KK	F1B	100	80	14	22	-	4	14	40	-	0.70	A	
		RF HSK-F040-EZ04SR-120KK	F1B	120	100	14	24	-	4	14	40	-	0.90	A	
		RF HSK-F040-EZ05SR-060KZ	F1A	60	40	15	19	-	5	17	39	-	0.30	A	
		RF HSK-F040-EZ05SR-080KK	F1B	80	60	15	21	-	5	17	40	-	0.50	A	
		RF HSK-F040-EZ05SR-100KK	F1B	100	80	15	23	-	5	17	40	-	0.70	A	
		RF HSK-F040-EZ05SR-120KK	F1B	120	100	15	25	-	5	17	39	-	0.90	A	
		RF HSK-F040-EZ06SR-060KZ	F1A	60	40	16	20	-	6	23	40	-	0.40	A	
		RF HSK-F040-EZ06SR-080KK	F1B	80	60	16	22	-	6	23	40	-	0.60	A	
		RF HSK-F040-EZ06SR-100KK	F1B	100	80	16	24	-	6	23	40	-	0.80	A	
		RF HSK-F040-EZ06SR-120KK	F1B	120	100	16	26	-	6	23	40	-	1.00	A	
		RF HSK-F040-EZ08SR-060KZ	F1A	60	40	18	22	-	8	27	39	-	0.40	A	
		RF HSK-F040-EZ08SR-080KK	F1B	80	60	18	24	-	8	27	59	-	0.60	A	
		RF HSK-F040-EZ08SR-100KK	F1B	100	80	18	26	-	8	27	60	-	0.80	A	
		RF HSK-F040-EZ08SR-120KK	F1B	120	100	18	28	-	8	27	60	-	1.00	A	
		RF HSK-F040-EZ10SR-060KZ	F1A	60	40	20	24	-	10	29	39	-	0.50	A	
		RF HSK-F040-EZ10SR-080KK	F1B	80	60	20	26	-	10	32	59	-	0.70	A	
		RF HSK-F040-EZ10SR-100KK	F1B	100	80	20	28	-	10	32	60	-	0.90	A	
		RF HSK-F040-EZ10SR-120KK	F1B	120	100	20	30	-	10	32	60	-	1.10	A	
		RF HSK-F040-EZ12SR-060KZ	F1A	60	40	22	26	-	12	29	39	-	0.50	A	
		RF HSK-F040-EZ12SR-080KK	F1B	80	60	22	28	-	12	37	59	-	0.70	A	
		RF HSK-F040-EZ12SR-100KK	F1B	100	80	22	30	-	12	37	60	-	0.90	A	
		RF HSK-F040-EZ12SR-120KK	F1B	120	100	22	32	-	12	37	60	-	1.10	A	
		RF HSK-F040-EZ14SR-060KZ	F1A	60	40	24	28	-	14	29	39	-	0.60	A	
		RF HSK-F040-EZ14SR-080KK	F1B	80	60	24	30	-	14	37	59	-	0.80	A	
		RF HSK-F040-EZ14SR-100KK	F1B	100	80	24	32	-	14	37	79	-	1.00	A	
		RF HSK-F040-EZ14SR-120KK	F1B	120	100	24	34	-	14	37	80	-	1.20	A	
		RF HSK-F040-EZ16SR-060KZ	F1A	60	40	26	30	-	16	29	39	-	0.60	A	
		RF HSK-F040-EZ16SR-080KK	F1B	80	60	26	32	-	16	40	59	-	0.80	A	
		RF HSK-F040-EZ16SR-100KK	F1B	100	80	26	34	-	16	40	79	-	1.00	A	
		RF HSK-F040-EZ16SR-120KK	F1B	120	100	26	34	-	16	40	80	-	1.20	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F050-EZ03SR-070KZ	F1A	70	44	13	18	-	3	11	-	-	0.50	A	
		RF HSK-F050-EZ03SR-100KK	F1B	100	74	13	21	-	3	11	-	-	0.80	A	
		RF HSK-F050-EZ03SR-120KK	F1B	120	94	13	23	-	3	11	-	-	1.00	A	
		RF HSK-F050-EZ03SR-160KK	F1C	160	100	13	24	35	3	11	-	-	1.40	A	
		RF HSK-F050-EZ04SR-070KZ	F1A	70	44	14	19	-	4	14	-	-	0.50	A	
		RF HSK-F050-EZ04SR-100KK	F1B	100	74	14	22	-	4	14	-	-	0.80	A	
		RF HSK-F050-EZ04SR-120KK	F1B	120	94	14	24	-	4	14	-	-	1.00	A	
		RF HSK-F050-EZ04SR-160KK	F1C	160	100	14	25	36	4	14	-	-	1.40	A	
		RF HSK-F050-EZ05SR-070KZ	F1A	70	44	15	20	-	5	17	40	-	0.50	A	
		RF HSK-F050-EZ05SR-100KK	F1B	100	74	15	23	-	5	17	40	-	0.80	A	
		RF HSK-F050-EZ05SR-120KK	F1B	120	94	15	25	-	5	17	40	-	1.00	A	
		RF HSK-F050-EZ05SR-160KK	F1C	160	100	15	26	37	5	17	40	-	1.40	A	
		RF HSK-F050-EZ06SR-070KZ	F1A	70	44	16	21	-	6	23	40	-	0.60	A	
		RF HSK-F050-EZ06SR-100KK	F1B	100	74	16	24	-	6	23	40	-	0.90	A	
		RF HSK-F050-EZ06SR-120KK	F1B	120	94	16	26	-	6	23	40	-	1.10	A	
		RF HSK-F050-EZ06SR-160KK	F1C	160	100	16	27	38	6	23	40	-	1.50	A	
		RF HSK-F050-EZ08SR-070KZ	F1A	70	44	18	23	-	8	27	45	-	0.60	A	
		RF HSK-F050-EZ08SR-100KK	F1B	100	74	18	26	-	8	27	60	-	0.90	A	
		RF HSK-F050-EZ08SR-120KK	F1B	120	94	18	28	-	8	27	60	-	1.10	A	
		RF HSK-F050-EZ08SR-160KK	F1C	160	100	18	29	39	8	27	60	-	1.50	A	
		RF HSK-F050-EZ10SR-070KZ	F1A	70	44	20	25	-	10	32	45	-	0.70	A	
		RF HSK-F050-EZ10SR-100KK	F1B	100	74	20	28	-	10	32	60	-	1.00	A	
		RF HSK-F050-EZ10SR-120KK	F1B	120	94	20	30	-	10	32	60	-	1.20	A	
		RF HSK-F050-EZ10SR-160KK	F1C	160	100	20	31	40	10	32	60	-	1.60	A	
		RF HSK-F050-EZ12SR-070KZ	F1A	70	44	22	27	-	12	35	45	-	0.70	A	
		RF HSK-F050-EZ12SR-100KK	F1B	100	74	22	30	-	12	37	60	-	1.00	A	
		RF HSK-F050-EZ12SR-120KK	F1B	120	94	22	32	-	12	37	60	-	1.20	A	
		RF HSK-F050-EZ12SR-160KK	F1C	160	100	22	33	41	12	37	60	-	1.60	A	
		RF HSK-F050-EZ14SR-070KZ	F1A	70	44	24	29	-	14	35	45	-	0.80	A	
		RF HSK-F050-EZ14SR-100KK	F1B	100	74	24	32	-	14	37	75	-	1.10	A	
		RF HSK-F050-EZ14SR-120KK	F1B	120	94	24	34	-	14	37	80	-	1.30	A	
		RF HSK-F050-EZ14SR-160KK	F1B	160	134	24	38	-	14	37	80	-	1.70	A	
		RF HSK-F050-EZ16SR-070KZ	F1A	70	44	26	31	-	16	35	45	-	0.80	A	
		RF HSK-F050-EZ16SR-100KK	F1B	100	74	26	34	-	16	40	75	-	1.10	A	
		RF HSK-F050-EZ16SR-120KK	F1B	120	94	26	36	-	16	40	80	-	1.30	A	
		RF HSK-F050-EZ16SR-160KK	F1C	160	134	26	40	-	16	40	80	-	1.70	A	
		RF HSK-F050-EZ18SR-070KZ	F1A	70	44	28	33	-	18	35	45	-	0.90	A	
		RF HSK-F050-EZ18SR-100KK	F1B	100	74	28	36	-	18	40	75	-	1.20	A	
		RF HSK-F050-EZ18SR-120KK	F1B	120	94	28	38	-	18	40	80	-	1.40	A	
		RF HSK-F050-EZ18SR-160KK	F1C	160	134	28	42	-	18	40	80	-	1.80	A	
		RF HSK-F050-EZ20SR-070KZ	F1A	70	44	30	35	-	20	35	45	-	0.90	A	
		RF HSK-F050-EZ20SR-100KK	F1B	100	74	30	38	-	20	42	75	-	1.20	A	
		RF HSK-F050-EZ20SR-120KK	F1B	120	94	30	40	-	20	42	80	-	1.40	A	
		RF HSK-F050-EZ20SR-160KK	F1C	160	134	30	42	-	20	42	80	-	1.80	A	

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ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-F063-EZ03SR-070KZ	F1A	70	44	13	18	-	3	11	-	-	0.60	A	
○		RF HSK-F063-EZ03SR-100KK	F1B	100	74	13	21	-	3	11	-	-	0.90	A	
○		RF HSK-F063-EZ03SR-120KK	F1B	120	94	13	23	-	3	11	-	-	1.10	A	
○		RF HSK-F063-EZ03SR-160KK	F1C	160	100	13	24	35	3	11	-	-	1.50	A	
○		RF HSK-F063-EZ04SR-070KZ	F1A	70	44	14	19	-	4	14	-	-	0.60	A	
○		RF HSK-F063-EZ04SR-100KK	F1B	100	74	14	22	-	4	14	-	-	0.90	A	
○		RF HSK-F063-EZ04SR-120KK	F1B	120	94	14	24	-	4	14	-	-	1.10	A	
○		RF HSK-F063-EZ04SR-160KK	F1C	160	100	14	25	36	4	14	-	-	1.50	A	
○		RF HSK-F063-EZ05SR-070KZ	F1A	70	44	15	20	-	5	17	-	-	0.60	A	
○		RF HSK-F063-EZ05SR-100KK	F1B	100	74	15	23	-	5	17	-	-	0.90	A	
○		RF HSK-F063-EZ05SR-120KK	F1B	120	94	15	25	-	5	17	-	-	1.10	A	
○		RF HSK-F063-EZ05SR-160KK	F1C	160	100	15	26	37	5	17	-	-	1.50	A	
○		RF HSK-F063-EZ06SR-070KZ	F1A	70	44	16	21	-	6	23	-	-	0.70	A	
○		RF HSK-F063-EZ06SR-100KK	F1B	100	74	16	24	-	6	23	-	-	1.00	A	
○		RF HSK-F063-EZ06SR-120KK	F1B	120	94	16	26	-	6	23	-	-	1.20	A	
○		RF HSK-F063-EZ06SR-160KK	F1C	160	100	16	27	38	6	23	-	-	1.60	A	
○		RF HSK-F063-EZ08SR-070KZ	F1A	70	44	18	23	-	8	27	43	-	0.70	A	
○		RF HSK-F063-EZ08SR-100KK	F1B	100	74	18	26	-	8	27	60	-	1.00	A	
○		RF HSK-F063-EZ08SR-120KK	F1B	120	94	18	28	-	8	27	60	-	1.20	A	
○		RF HSK-F063-EZ08SR-160KK	F1C	160	100	18	29	39	8	27	60	-	1.60	A	
○		RF HSK-F063-EZ10SR-070KZ	F1A	70	44	20	25	-	10	32	43	-	0.80	A	
○		RF HSK-F063-EZ10SR-100KK	F1B	100	74	20	28	-	10	32	60	-	1.10	A	
○		RF HSK-F063-EZ10SR-120KK	F1B	120	94	20	30	-	10	32	60	-	1.30	A	
○		RF HSK-F063-EZ10SR-160KK	F1C	160	100	20	31	40	10	32	60	-	1.70	A	
○		RF HSK-F063-EZ12SR-070KZ	F1A	70	44	22	27	-	12	33	43	-	0.80	A	
○		RF HSK-F063-EZ12SR-100KK	F1B	100	74	22	30	-	12	37	60	-	1.10	A	
○		RF HSK-F063-EZ12SR-120KK	F1B	120	94	22	32	-	12	37	60	-	1.30	A	
○		RF HSK-F063-EZ12SR-160KK	F1C	160	100	22	33	41	12	37	60	-	1.70	A	
○		RF HSK-F063-EZ14SR-070KZ	F1A	70	44	24	29	-	14	33	43	-	0.90	A	
○		RF HSK-F063-EZ14SR-100KK	F1B	100	74	24	32	-	14	37	73	-	1.20	A	
○		RF HSK-F063-EZ14SR-120KK	F1B	120	94	24	34	-	14	37	80	-	1.40	A	
○		RF HSK-F063-EZ14SR-160KK	F1C	160	100	24	35	42	14	37	80	-	1.80	A	
○		RF HSK-F063-EZ16SR-070KZ	F1A	70	44	26	31	-	16	33	43	-	0.90	A	
○		RF HSK-F063-EZ16SR-100KK	F1B	100	74	26	34	-	16	40	73	-	1.20	A	
○		RF HSK-F063-EZ16SR-120KK	F1B	120	94	26	36	-	16	40	80	-	1.40	A	
○		RF HSK-F063-EZ16SR-160KK	F1C	160	100	26	37	42	16	40	80	-	1.80	A	
○		RF HSK-F063-EZ18SR-070KZ	F1A	70	44	28	33	-	18	33	43	-	1.00	A	
○		RF HSK-F063-EZ18SR-100KK	F1B	100	74	28	36	-	18	40	73	-	1.30	A	
○		RF HSK-F063-EZ18SR-120KK	F1B	120	94	28	38	-	18	40	80	-	1.50	A	
○		RF HSK-F063-EZ18SR-160KK	F1B	160	134	28	42	-	18	40	80	-	1.90	A	
○		RF HSK-F063-EZ20SR-070KZ	F1A	70	44	30	35	-	20	33	43	-	1.00	A	
○		RF HSK-F063-EZ20SR-100KK	F1B	100	74	30	38	-	20	42	73	-	1.30	A	
○		RF HSK-F063-EZ20SR-120KK	F1B	120	94	30	40	-	20	42	80	-	1.50	A	
○		RF HSK-F063-EZ20SR-160KK	F1B	160	134	30	42	-	20	42	80	-	1.90	A	
○		RF HSK-F063-EZ25SR-080KZ	F1A	80	54	35	41	-	25	43	53	-	1.50	A	
○		RF HSK-F063-EZ25SR-100KK	F1B	100	74	35	43	-	25	48	73	-	1.70	A	
○		RF HSK-F063-EZ25SR-120KK	F1B	120	94	35	45	-	25	48	93	-	1.90	A	
○		RF HSK-F063-EZ25SR-160KK	F1B	160	134	35	49	-	25	48	100	-	2.30	A	
○		RF HSK-F063-EZ32SR-080KZ	F1A	80	54	42	48	-	32	43	53	-	1.50	A	
○		RF HSK-F063-EZ32SR-100KK	F1B	100	74	42	50	-	32	52	73	-	1.70	A	
○		RF HSK-F063-EZ32SR-120KK	F1B	120	94	42	52	-	32	52	93	-	1.90	A	
○		RF HSK-F063-EZ32SR-160KK	F1B	160	134	42	53	-	32	52	100	-	2.30	A	

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ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F040-EZ1/8"SR-2.36"KZ	F1A	2.36"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.30	A	
		RF HSK-F040-EZ1/8"SR-3.15"KK	F1B	3.15"	2.36"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-F040-EZ1/8"SR-3.94"KK	F1B	3.94"	3.15"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.70	A	
		RF HSK-F040-EZ1/8"SR-4.72"KK	F1B	4.72"	3.94"	0.52"	0.92"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-F040-EZ3/16"SR-2.36"KZ	F1A	2.36"	1.57"	0.59"	0.75"	-	3/16"	0.55"	1.54"	-	0.30	A	
		RF HSK-F040-EZ3/16"SR-3.15"KK	F1B	3.15"	2.36"	0.59"	0.83"	-	3/16"	0.55"	1.57"	-	0.50	A	
		RF HSK-F040-EZ3/16"SR-3.94"KK	F1B	3.94"	3.15"	0.59"	0.91"	-	3/16"	0.55"	1.57"	-	0.70	A	
		RF HSK-F040-EZ3/16"SR-4.72"KK	F1B	4.72"	3.94"	0.59"	0.99"	-	3/16"	0.55"	1.57"	-	0.90	A	
		RF HSK-F040-EZ1/4"SR-2.36"KZ	F1A	2.36"	1.57"	0.65"	0.81"	-	1/4"	0.91"	1.54"	-	0.40	A	
		RF HSK-F040-EZ1/4"SR-3.15"KK	F1B	3.15"	2.36"	0.65"	0.89"	-	1/4"	0.91"	1.57"	-	0.60	A	
		RF HSK-F040-EZ1/4"SR-3.94"KK	F1B	3.94"	3.15"	0.65"	0.97"	-	1/4"	0.91"	1.57"	-	0.80	A	
		RF HSK-F040-EZ1/4"SR-4.72"KK	F1B	4.72"	3.94"	0.65"	1.05"	-	1/4"	0.91"	1.57"	-	1.00	A	
		RF HSK-F040-EZ5/16"SR-2.36"KZ	F1A	2.36"	1.57"	0.71"	0.87"	-	5/16"	1.06"	1.54"	-	0.40	A	
		RF HSK-F040-EZ5/16"SR-3.15"KK	F1B	3.15"	2.36"	0.71"	0.95"	-	5/16"	1.06"	2.32"	-	0.60	A	
		RF HSK-F040-EZ5/16"SR-3.94"KK	F1B	3.94"	3.15"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	0.80	A	
		RF HSK-F040-EZ5/16"SR-4.72"KK	F1B	4.72"	3.94"	0.71"	1.11"	-	5/16"	1.06"	2.36"	-	1.00	A	
		RF HSK-F040-EZ3/8"SR-2.36"KZ	F1A	2.36"	1.57"	0.77"	0.93"	-	3/8"	1.14"	1.54"	-	0.50	A	
		RF HSK-F040-EZ3/8"SR-3.15"KK	F1B	3.15"	2.36"	0.77"	1.01"	-	3/8"	1.26"	2.32"	-	0.70	A	
		RF HSK-F040-EZ3/8"SR-3.94"KK	F1B	3.94"	3.15"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	0.90	A	
		RF HSK-F040-EZ3/8"SR-4.72"KK	F1B	4.72"	3.94"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF HSK-F040-EZ7/16"SR-2.36"KZ	F1A	2.36"	1.57"	0.84"	1.00"	-	7/16"	1.14"	1.54"	-	0.50	A	
		RF HSK-F040-EZ7/16"SR-3.15"KK	F1B	3.15"	2.36"	0.84"	1.08"	-	7/16"	1.26"	2.32"	-	0.70	A	
		RF HSK-F040-EZ7/16"SR-3.94"KK	F1B	3.94"	3.15"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	0.90	A	
		RF HSK-F040-EZ7/16"SR-4.72"KK	F1B	4.72"	3.94"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-F040-EZ1/2"SR-2.36"KZ	F1A	2.36"	1.57"	0.90"	1.06"	-	1/2"	1.14"	1.54"	-	0.60	A	
		RF HSK-F040-EZ1/2"SR-3.15"KK	F1B	3.15"	2.36"	0.90"	1.14"	-	1/2"	1.46"	2.32"	-	0.80	A	
		RF HSK-F040-EZ1/2"SR-3.94"KK	F1B	3.94"	3.15"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.00	A	
		RF HSK-F040-EZ1/2"SR-4.72"KK	F1B	4.72"	3.94"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF HSK-F040-EZ5/8"SR-2.36"KZ	F1A	2.36"	1.57"	1.02"	1.18"	-	5/8"	1.14"	1.54"	-	0.60	A	
		RF HSK-F040-EZ5/8"SR-3.15"KK	F1B	3.15"	2.36"	1.02"	1.26"	-	5/8"	1.57"	2.32"	-	0.80	A	
		RF HSK-F040-EZ5/8"SR-3.94"KK	F1B	3.94"	3.15"	1.02"	1.34"	-	5/8"	1.57"	3.11"	-	1.00	A	
		RF HSK-F040-EZ5/8"SR-4.72"KK	F1B	4.72"	3.94"	1.02"	1.34"	-	5/8"	1.57"	3.15"	-	1.20	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產 // STOCK BLANK=on request

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

ezShrink EZSRKK // RF HSK-F-EZSRKK inch

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F050-EZ1/8"SR-2.76"KZ	F1A	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-F050-EZ1/8"SR-3.94"KK	F1B	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-F050-EZ1/8"SR-4.72"KK	F1B	4.72"	3.70"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.00	A	
		RF HSK-F050-EZ1/8"SR-6.30"KK	F1C	6.30"	3.94"	0.52"	0.96"	1.40"	1/8"	0.43"	-	-	1.40	A	
		RF HSK-F050-EZ3/16"SR-2.76"KZ	F1A	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	1.57"	-	0.50	A	
		RF HSK-F050-EZ3/16"SR-3.94"KK	F1B	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	1.57"	-	0.80	A	
		RF HSK-F050-EZ3/16"SR-4.72"KK	F1B	4.72"	3.70"	0.59"	0.99"	-	3/16"	0.55"	1.57"	-	1.00	A	
		RF HSK-F050-EZ3/16"SR-6.30"KK	F1C	6.30"	3.94"	0.59"	1.03"	1.47"	3/16"	0.55"	1.57"	-	1.40	A	
		RF HSK-F050-EZ1/4"SR-2.76"KZ	F1A	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	1.57"	-	0.60	A	
		RF HSK-F050-EZ1/4"SR-3.94"KK	F1B	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	1.57"	-	0.90	A	
		RF HSK-F050-EZ1/4"SR-4.72"KK	F1B	4.72"	3.70"	0.65"	1.05"	-	1/4"	0.91"	1.57"	-	1.10	A	
		RF HSK-F050-EZ1/4"SR-6.30"KK	F1C	6.30"	3.94"	0.65"	1.09"	1.53"	1/4"	0.91"	1.57"	-	1.50	A	
		RF HSK-F050-EZ5/16"SR-2.76"KZ	F1A	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.77"	-	0.60	A	
		RF HSK-F050-EZ5/16"SR-3.94"KK	F1B	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-F050-EZ5/16"SR-4.72"KK	F1B	4.72"	3.70"	0.71"	1.11"	-	5/16"	1.06"	2.36"	-	1.10	A	
		RF HSK-F050-EZ5/16"SR-6.30"KK	F1C	6.30"	3.94"	0.71"	1.15"	1.55"	5/16"	1.06"	2.36"	-	1.50	A	
		RF HSK-F050-EZ3/8"SR-2.76"KZ	F1A	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.77"	-	0.70	A	
		RF HSK-F050-EZ3/8"SR-3.94"KK	F1B	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-F050-EZ3/8"SR-4.72"KK	F1B	4.72"	3.70"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.20	A	
		RF HSK-F050-EZ3/8"SR-6.30"KK	F1C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	2.36"	-	1.60	A	
		RF HSK-F050-EZ7/16"SR-2.76"KZ	F1A	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.77"	-	0.70	A	
		RF HSK-F050-EZ7/16"SR-3.94"KK	F1B	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-F050-EZ7/16"SR-4.72"KK	F1B	4.72"	3.70"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.20	A	
		RF HSK-F050-EZ7/16"SR-6.30"KK	F1C	6.30"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	2.36"	-	1.60	A	
		RF HSK-F050-EZ1/2"SR-2.76"KZ	F1A	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.38"	1.77"	-	0.80	A	
		RF HSK-F050-EZ1/2"SR-3.94"KK	F1B	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.10	A	
		RF HSK-F050-EZ1/2"SR-4.72"KK	F1B	4.72"	3.70"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	1.30	A	
		RF HSK-F050-EZ1/2"SR-6.30"KK	F1B	6.30"	5.28"	0.90"	1.46"	-	1/2"	1.46"	2.36"	-	1.70	A	
		RF HSK-F050-EZ5/8"SR-2.76"KZ	F1A	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.38"	1.77"	-	0.80	A	
		RF HSK-F050-EZ5/8"SR-3.94"KK	F1B	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	3.07"	-	1.10	A	
		RF HSK-F050-EZ5/8"SR-4.72"KK	F1B	4.72"	3.70"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.30	A	
		RF HSK-F050-EZ5/8"SR-6.30"KK	F1B	6.30"	5.28"	1.02"	1.58"	-	5/8"	1.57"	3.15"	-	1.70	A	
		RF HSK-F050-EZ3/4"SR-2.76"KZ	F1A	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.38"	1.77"	-	0.90	A	
		RF HSK-F050-EZ3/4"SR-3.94"KK	F1B	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	3.07"	-	1.20	A	
		RF HSK-F050-EZ3/4"SR-4.72"KK	F1B	4.72"	3.70"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.40	A	
		RF HSK-F050-EZ3/4"SR-6.30"KK	F1B	6.30"	5.28"	1.15"	1.65"	-	3/4"	1.65"	3.15"	-	1.80	A	
		RF HSK-F050-EZ7/8"SR-2.76"KZ	F1A	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.38"	1.77"	-	0.90	A	
		RF HSK-F050-EZ7/8"SR-3.94"KK	F1B	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	3.07"	-	1.20	A	
		RF HSK-F050-EZ7/8"SR-4.72"KK	F1B	4.72"	3.70"	1.27"	1.65"	-	7/8"	1.65"	3.15"	-	1.40	A	
		RF HSK-F050-EZ7/8"SR-6.30"KK	F1B	6.30"	5.28"	1.27"	1.65"	-	7/8"	1.65"	3.15"	-	1.80	A	

STOCK ◎=標準在庫品 // STOCK ○=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

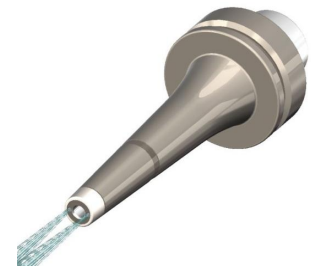
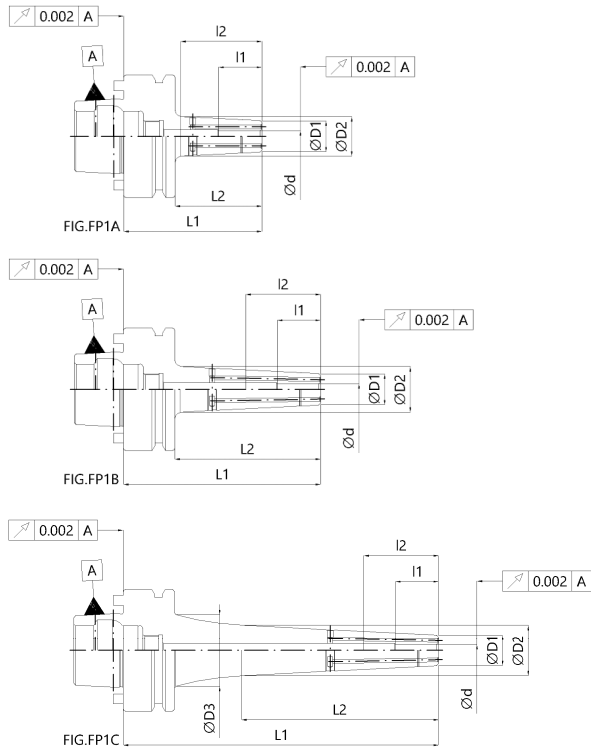
ezShrink+ezKool SlimRegular RF防鏽鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F063-EZ1/8"SR-2.76"KZ	F1A	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.60	A	
		RF HSK-F063-EZ1/8"SR-3.94"KK	F1B	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-F063-EZ1/8"SR-4.72"KK	F1B	4.72"	3.70"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.10	A	
		RF HSK-F063-EZ1/8"SR-6.30"KK	F1C	6.30"	3.94"	0.52"	0.96"	1.40"	1/8"	0.43"	-	-	1.50	A	
		RF HSK-F063-EZ3/16"SR-2.76"KZ	F1A	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.60	A	
		RF HSK-F063-EZ3/16"SR-3.94"KK	F1B	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.90	A	
		RF HSK-F063-EZ3/16"SR-4.72"KK	F1B	4.72"	3.70"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.10	A	
		RF HSK-F063-EZ3/16"SR-6.30"KK	F1C	6.30"	3.94"	0.59"	1.03"	1.47"	3/16"	0.55"	-	-	1.50	A	
		RF HSK-F063-EZ1/4"SR-2.76"KZ	F1A	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.70	A	
		RF HSK-F063-EZ1/4"SR-3.94"KK	F1B	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.00	A	
		RF HSK-F063-EZ1/4"SR-4.72"KK	F1B	4.72"	3.70"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.20	A	
		RF HSK-F063-EZ1/4"SR-6.30"KK	F1C	6.30"	3.94"	0.65"	1.09"	1.53"	1/4"	0.91"	-	-	1.60	A	
		RF HSK-F063-EZ5/16"SR-2.76"KZ	F1A	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.69"	-	0.70	A	
		RF HSK-F063-EZ5/16"SR-3.94"KK	F1B	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	1.00	A	
		RF HSK-F063-EZ5/16"SR-4.72"KK	F1B	4.72"	3.70"	0.71"	1.11"	-	5/16"	1.06"	2.36"	-	1.20	A	
		RF HSK-F063-EZ5/16"SR-6.30"KK	F1C	6.30"	3.94"	0.71"	1.15"	1.55"	5/16"	1.06"	2.36"	-	1.60	A	
		RF HSK-F063-EZ3/8"SR-2.76"KZ	F1A	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.69"	-	0.80	A	
		RF HSK-F063-EZ3/8"SR-3.94"KK	F1B	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF HSK-F063-EZ3/8"SR-4.72"KK	F1B	4.72"	3.70"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.30	A	
		RF HSK-F063-EZ3/8"SR-6.30"KK	F1C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	2.36"	-	1.70	A	
		RF HSK-F063-EZ7/16"SR-2.76"KZ	F1A	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.69"	-	0.80	A	
		RF HSK-F063-EZ7/16"SR-3.94"KK	F1B	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-F063-EZ7/16"SR-4.72"KK	F1B	4.72"	3.70"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.30	A	
		RF HSK-F063-EZ7/16"SR-6.30"KK	F1C	6.30"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	2.36"	-	1.70	A	
		RF HSK-F063-EZ1/2"SR-2.76"KZ	F1A	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.30"	1.69"	-	0.90	A	
		RF HSK-F063-EZ1/2"SR-3.94"KK	F1B	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF HSK-F063-EZ1/2"SR-4.72"KK	F1B	4.72"	3.70"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	1.40	A	
		RF HSK-F063-EZ1/2"SR-6.30"KK	F1C	6.30"	3.94"	0.90"	1.34"	1.66"	1/2"	1.46"	2.36"	-	1.80	A	
		RF HSK-F063-EZ5/8"SR-2.76"KZ	F1A	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.30"	1.69"	-	0.90	A	
		RF HSK-F063-EZ5/8"SR-3.94"KK	F1B	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.99"	-	1.20	A	
		RF HSK-F063-EZ5/8"SR-4.72"KK	F1B	4.72"	3.70"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.40	A	
		RF HSK-F063-EZ5/8"SR-6.30"KK	F1C	6.30"	3.94"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	1.80	A	
		RF HSK-F063-EZ3/4"SR-2.76"KZ	F1A	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.30"	1.69"	-	1.00	A	
		RF HSK-F063-EZ3/4"SR-3.94"KK	F1B	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.99"	-	1.30	A	
		RF HSK-F063-EZ3/4"SR-4.72"KK	F1B	4.72"	3.70"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.50	A	
		RF HSK-F063-EZ3/4"SR-6.30"KK	F1B	6.30"	5.28"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	1.90	A	
		RF HSK-F063-EZ7/8"SR-2.76"KZ	F1A	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.30"	1.69"	-	1.00	A	
		RF HSK-F063-EZ7/8"SR-3.94"KK	F1B	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.99"	-	1.30	A	
		RF HSK-F063-EZ7/8"SR-4.72"KK	F1B	4.72"	3.70"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	1.50	A	
		RF HSK-F063-EZ7/8"SR-6.30"KK	F1B	6.30"	5.28"	1.27"	1.83"	-	7/8"	1.65"	3.15"	-	1.90	A	
		RF HSK-F063-EZ1"SR-3.15"KZ	F1A	3.15"	2.13"	1.40"	1.60"	-	1"	1.69"	2.09"	-	1.50	A	
		RF HSK-F063-EZ1"SR-3.94"KK	F1B	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.87"	-	1.70	A	
		RF HSK-F063-EZ1"SR-4.72"KK	F1B	4.72"	3.70"	1.40"	1.80"	-	1"	1.89"	3.66"	-	1.90	A	
		RF HSK-F063-EZ1"SR-6.30"KK	F1B	6.30"	3.94"	1.40"	1.96"	-	1"	1.89"	3.94"	-	2.30	A	
		RF HSK-F063-EZ1 1/4"SR-3.15"KZ	F1A	3.15"	2.13"	1.64"	1.84"	-	1 1/4"	1.69"	2.09"	-	1.50	A	
		RF HSK-F063-EZ1 1/4"SR-3.94"KK	F1B	3.94"	2.91"	1.64"	1.96"	-	1 1/4"	2.05"	2.87"	-	1.70	A	
		RF HSK-F063-EZ1 1/4"SR-4.72"KK	F1B	4.72"	3.70"	1.64"	2.04"	-	1 1/4"	2.05"	3.66"	-	1.90	A	
		RF HSK-F063-EZ1 1/4"SR-6.30"KK	F1B	6.30"	3.94"	1.64"	2.08"	-	1 1/4"	2.05"	3.94"	-	2.30	A	

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每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck



動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	RF HSK-F063P-EZ03SR-070KZ	FP1A	70	44	13	18	-	3	11	-	-	0.60	C	
	RF HSK-F063P-EZ03SR-100KK	FP1B	100	74	13	21	-	3	11	-	-	0.90	C	
	RF HSK-F063P-EZ03SR-120KK	FP1B	120	94	13	23	-	3	11	-	-	1.10	C	
	RF HSK-F063P-EZ03SR-160KK	FP1C	160	100	13	24	35	3	11	-	-	1.50	C	
	RF HSK-F063P-EZ04SR-070KZ	FP1A	70	44	14	19	-	4	14	-	-	0.60	C	
	RF HSK-F063P-EZ04SR-100KK	FP1B	100	74	14	22	-	4	14	-	-	0.90	C	
	RF HSK-F063P-EZ04SR-120KK	FP1B	120	94	14	24	-	4	14	-	-	1.10	C	
	RF HSK-F063P-EZ04SR-160KK	FP1C	160	100	14	25	36	4	14	-	-	1.50	C	
	RF HSK-F063P-EZ05SR-070KZ	FP1A	70	44	15	20	-	5	17	-	-	0.60	C	
	RF HSK-F063P-EZ05SR-100KK	FP1B	100	74	15	23	-	5	17	-	-	0.90	C	
	RF HSK-F063P-EZ05SR-120KK	FP1B	120	94	15	25	-	5	17	-	-	1.10	C	
	RF HSK-F063P-EZ05SR-160KK	FP1C	160	100	15	26	37	5	17	-	-	1.50	C	
	RF HSK-F063P-EZ06SR-070KZ	FP1A	70	44	16	21	-	6	23	-	-	0.70	C	
	RF HSK-F063P-EZ06SR-100KK	FP1B	100	74	16	24	-	6	23	-	-	1.00	C	
	RF HSK-F063P-EZ06SR-120KK	FP1B	120	94	16	26	-	6	23	-	-	1.20	C	
	RF HSK-F063P-EZ06SR-160KK	FP1C	160	100	16	27	38	6	23	-	-	1.60	C	
	RF HSK-F063P-EZ08SR-070KZ	FP1A	70	44	18	23	-	8	27	43	-	0.70	C	
	RF HSK-F063P-EZ08SR-100KK	FP1B	100	74	18	26	-	8	27	60	-	1.00	C	
	RF HSK-F063P-EZ08SR-120KK	FP1B	120	94	18	28	-	8	27	60	-	1.20	C	
	RF HSK-F063P-EZ08SR-160KK	FP1C	160	100	18	29	39	8	27	60	-	1.60	C	
	RF HSK-F063P-EZ10SR-070KZ	FP1A	70	44	20	25	-	10	32	43	-	0.80	C	
	RF HSK-F063P-EZ10SR-100KK	FP1B	100	74	20	28	-	10	32	60	-	1.10	C	
	RF HSK-F063P-EZ10SR-120KK	FP1B	120	94	20	30	-	10	32	60	-	1.30	C	
	RF HSK-F063P-EZ10SR-160KK	FP1C	160	100	20	31	40	10	32	60	-	1.70	C	
	RF HSK-F063P-EZ12SR-070KZ	FP1A	70	44	22	27	-	12	33	43	-	0.80	C	
	RF HSK-F063P-EZ12SR-100KK	FP1B	100	74	22	30	-	12	37	60	-	1.10	C	
	RF HSK-F063P-EZ12SR-120KK	FP1B	120	94	22	32	-	12	37	60	-	1.30	C	
	RF HSK-F063P-EZ12SR-160KK	FP1C	160	100	22	33	41	12	37	60	-	1.70	C	
	RF HSK-F063P-EZ14SR-070KZ	FP1A	70	44	24	29	-	14	33	43	-	0.90	C	
	RF HSK-F063P-EZ14SR-100KK	FP1B	100	74	24	32	-	14	37	73	-	1.20	C	
	RF HSK-F063P-EZ14SR-120KK	FP1B	120	94	24	34	-	14	37	80	-	1.40	C	
	RF HSK-F063P-EZ14SR-160KK	FP1C	160	100	24	35	42	14	37	80	-	1.80	C	
	RF HSK-F063P-EZ16SR-070KZ	FP1A	70	44	26	31	-	16	33	43	-	0.90	C	
	RF HSK-F063P-EZ16SR-100KK	FP1B	100	74	26	34	-	16	40	73	-	1.20	C	
	RF HSK-F063P-EZ16SR-120KK	FP1B	120	94	26	36	-	16	40	80	-	1.40	C	
	RF HSK-F063P-EZ16SR-160KK	FP1C	160	100	26	37	42	16	40	80	-	1.80	C	
	RF HSK-F063P-EZ18SR-070KZ	FP1A	70	44	28	33	-	18	33	43	-	1.00	C	
	RF HSK-F063P-EZ18SR-100KK	FP1B	100	74	28	36	-	18	40	73	-	1.30	C	
	RF HSK-F063P-EZ18SR-120KK	FP1B	120	94	28	38	-	18	40	80	-	1.50	C	
	RF HSK-F063P-EZ18SR-160KK	FP1B	160	134	28	42	-	18	40	80	-	1.90	C	
	RF HSK-F063P-EZ20SR-070KZ	FP1A	70	44	30	35	-	20	33	43	-	1.00	C	
	RF HSK-F063P-EZ20SR-100KK	FP1B	100	74	30	38	-	20	42	73	-	1.30	C	
	RF HSK-F063P-EZ20SR-120KK	FP1B	120	94	30	40	-	20	42	80	-	1.50	C	
	RF HSK-F063P-EZ20SR-160KK	FP1B	160	134	30	42	-	20	42	80	-	1.90	C	
	RF HSK-F063P-EZ25SR-080KZ	FP1A	80	54	35	41	-	25	43	53	-	1.50	C	
	RF HSK-F063P-EZ25SR-100KK	FP1B	100	74	35	43	-	25	48	73	-	1.70	C	
	RF HSK-F063P-EZ25SR-120KK	FP1B	120	94	35	45	-	25	48	93	-	1.90	C	
	RF HSK-F063P-EZ25SR-160KK	FP1B	160	134	35	49	-	25	48	100	-	2.30	C	
	RF HSK-F063P-EZ32SR-080KZ	FP1A	80	54	42	48	-	32	43	53	-	1.50	C	
	RF HSK-F063P-EZ32SR-100KK	FP1B	100	74	42	50	-	32	52	73	-	1.70	C	
	RF HSK-F063P-EZ32SR-120KK	FP1B	120	94	42	52	-	32	52	93	-	1.90	C	
	RF HSK-F063P-EZ32SR-160KK	FP1B	160	134	42	53	-	32	52	100	-	2.30	C	

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ezShrink EZSRKK // RF HSK-FP-EZSRKK

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F080P-EZ03SR-080KZ	FP1A	80	54	13	19	-	3	11	-	-	1.40	C	
		RF HSK-F080P-EZ03SR-100KK	FP1B	100	74	13	21	-	3	11	-	-	1.60	C	
		RF HSK-F080P-EZ03SR-120KK	FP1B	120	94	13	23	-	3	11	-	-	1.80	C	
		RF HSK-F080P-EZ03SR-160KK	FP1C	160	100	13	24	35	3	11	-	-	2.20	C	
		RF HSK-F080P-EZ04SR-080KZ	FP1A	80	54	14	20	-	4	14	-	-	1.40	C	
		RF HSK-F080P-EZ04SR-100KK	FP1B	100	74	14	22	-	4	14	-	-	1.60	C	
		RF HSK-F080P-EZ04SR-120KK	FP1B	120	94	14	24	-	4	14	-	-	1.80	C	
		RF HSK-F080P-EZ04SR-160KK	FP1C	160	100	14	25	36	4	14	-	-	2.20	C	
		RF HSK-F080P-EZ05SR-080KZ	FP1A	80	54	15	21	-	5	17	-	-	1.40	C	
		RF HSK-F080P-EZ05SR-100KK	FP1B	100	74	15	23	-	5	17	-	-	1.60	C	
		RF HSK-F080P-EZ05SR-120KK	FP1B	120	94	15	25	-	5	17	-	-	1.80	C	
		RF HSK-F080P-EZ05SR-160KK	FP1C	160	100	15	26	37	5	17	-	-	2.20	C	
		RF HSK-F080P-EZ06SR-080KZ	FP1A	80	54	16	22	-	6	23	-	-	1.50	C	
		RF HSK-F080P-EZ06SR-100KK	FP1B	100	74	16	24	-	6	23	-	-	1.70	C	
		RF HSK-F080P-EZ06SR-120KK	FP1B	120	94	16	26	-	6	23	-	-	1.90	C	
		RF HSK-F080P-EZ06SR-160KK	FP1C	160	100	16	27	38	6	23	-	-	2.30	C	
		RF HSK-F080P-EZ08SR-080KZ	FP1A	80	54	18	24	-	8	27	-	-	1.50	C	
		RF HSK-F080P-EZ08SR-100KK	FP1B	100	74	18	26	-	8	27	-	-	1.70	C	
		RF HSK-F080P-EZ08SR-120KK	FP1B	120	94	18	28	-	8	27	-	-	1.90	C	
		RF HSK-F080P-EZ08SR-160KK	FP1C	160	100	18	29	39	8	27	-	-	2.30	C	
		RF HSK-F080P-EZ10SR-080KZ	FP1A	80	54	20	26	-	10	32	48	-	1.60	C	
		RF HSK-F080P-EZ10SR-100KK	FP1B	100	74	20	28	-	10	32	60	-	1.80	C	
		RF HSK-F080P-EZ10SR-120KK	FP1B	120	94	20	30	-	10	32	60	-	2.00	C	
		RF HSK-F080P-EZ10SR-160KK	FP1C	160	100	20	31	40	10	32	60	-	2.40	C	
		RF HSK-F080P-EZ12SR-080KZ	FP1A	80	54	22	28	-	12	37	48	-	1.60	C	
		RF HSK-F080P-EZ12SR-100KK	FP1B	100	74	22	30	-	12	37	60	-	1.80	C	
		RF HSK-F080P-EZ12SR-120KK	FP1B	120	94	22	32	-	12	37	60	-	2.00	C	
		RF HSK-F080P-EZ12SR-160KK	FP1C	160	100	22	33	41	12	37	60	-	2.40	C	
		RF HSK-F080P-EZ14SR-080KZ	FP1A	80	54	24	30	-	14	37	48	-	1.70	C	
		RF HSK-F080P-EZ14SR-100KK	FP1B	100	74	24	32	-	14	37	68	-	1.90	C	
		RF HSK-F080P-EZ14SR-120KK	FP1B	120	94	24	34	-	14	37	80	-	2.10	C	
		RF HSK-F080P-EZ14SR-160KK	FP1C	160	100	24	35	42	14	37	80	-	2.50	C	
		RF HSK-F080P-EZ16SR-080KZ	FP1A	80	54	26	32	-	16	38	48	-	1.70	C	
		RF HSK-F080P-EZ16SR-100KK	FP1B	100	74	26	34	-	16	40	68	-	1.90	C	
		RF HSK-F080P-EZ16SR-120KK	FP1B	120	94	26	36	-	16	40	80	-	2.10	C	
		RF HSK-F080P-EZ16SR-160KK	FP1C	160	100	26	37	42	16	40	80	-	2.50	C	
		RF HSK-F080P-EZ18SR-080KZ	FP1A	80	54	28	34	-	18	38	48	-	1.80	C	
		RF HSK-F080P-EZ18SR-100KK	FP1B	100	74	28	36	-	18	40	68	-	2.00	C	
		RF HSK-F080P-EZ18SR-120KK	FP1B	120	94	28	38	-	18	40	80	-	2.20	C	
		RF HSK-F080P-EZ18SR-160KK	FP1B	160	134	28	42	-	18	40	80	-	2.60	C	
		RF HSK-F080P-EZ20SR-080KZ	FP1A	80	54	30	36	-	20	38	48	-	1.80	C	
		RF HSK-F080P-EZ20SR-100KK	FP1B	100	74	30	38	-	20	42	68	-	2.00	C	
		RF HSK-F080P-EZ20SR-120KK	FP1B	120	94	30	40	-	20	42	80	-	2.20	C	
		RF HSK-F080P-EZ20SR-160KK	FP1B	160	134	30	42	-	20	42	80	-	2.60	C	
		RF HSK-F080P-EZ25SR-100KK	FP1B	100	74	35	43	-	25	48	68	-	2.40	C	
		RF HSK-F080P-EZ25SR-120KK	FP1B	120	94	35	45	-	25	48	88	-	2.60	C	
		RF HSK-F080P-EZ25SR-160KK	FP1B	160	134	35	49	-	25	48	100	-	3.00	C	
		RF HSK-F080P-EZ32SR-100KK	FP1B	100	74	42	50	-	32	52	68	-	2.40	C	
		RF HSK-F080P-EZ32SR-120KK	FP1B	120	94	42	52	-	32	52	88	-	2.60	C	
		RF HSK-F080P-EZ32SR-160KK	FP1B	160	134	42	56	-	32	52	100	-	3.00	C	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F063P-EZ1/8"SR-2.76"KZ	FP1A	2.76"	1.73"	0.52"	0.72"	-	1/8"	0.43"	-	-	0.60	C	
		RF HSK-F063P-EZ1/8"SR-3.94"KK	FP1B	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.90	C	
		RF HSK-F063P-EZ1/8"SR-4.72"KK	FP1B	4.72"	3.70"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.10	C	
		RF HSK-F063P-EZ1/8"SR-6.30"KK	FP1C	6.30"	3.94"	0.52"	0.96"	1.40"	1/8"	0.43"	-	-	1.50	C	
		RF HSK-F063P-EZ3/16"SR-2.76"KZ	FP1A	2.76"	1.73"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.60	C	
		RF HSK-F063P-EZ3/16"SR-3.94"KK	FP1B	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.90	C	
		RF HSK-F063P-EZ3/16"SR-4.72"KK	FP1B	4.72"	3.70"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.10	C	
		RF HSK-F063P-EZ3/16"SR-6.30"KK	FP1C	6.30"	3.94"	0.59"	1.03"	1.47"	3/16"	0.55"	-	-	1.50	C	
		RF HSK-F063P-EZ1/4"SR-2.76"KZ	FP1A	2.76"	1.73"	0.65"	0.85"	-	1/4"	0.91"	-	-	0.70	C	
		RF HSK-F063P-EZ1/4"SR-3.94"KK	FP1B	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.00	C	
		RF HSK-F063P-EZ1/4"SR-4.72"KK	FP1B	4.72"	3.70"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.20	C	
		RF HSK-F063P-EZ1/4"SR-6.30"KK	FP1C	6.30"	3.94"	0.65"	1.09"	1.53"	1/4"	0.91"	-	-	1.60	C	
		RF HSK-F063P-EZ5/16"SR-2.76"KZ	FP1A	2.76"	1.73"	0.71"	0.91"	-	5/16"	1.06"	1.69"	-	0.70	C	
		RF HSK-F063P-EZ5/16"SR-3.94"KK	FP1B	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	2.36"	-	1.00	C	
		RF HSK-F063P-EZ5/16"SR-4.72"KK	FP1B	4.72"	3.70"	0.71"	1.11"	-	5/16"	1.06"	2.36"	-	1.20	C	
		RF HSK-F063P-EZ5/16"SR-6.30"KK	FP1C	6.30"	3.94"	0.71"	1.15"	1.55"	5/16"	1.06"	2.36"	-	1.60	C	
		RF HSK-F063P-EZ3/8"SR-2.76"KZ	FP1A	2.76"	1.73"	0.77"	0.97"	-	3/8"	1.26"	1.69"	-	0.80	C	
		RF HSK-F063P-EZ3/8"SR-3.94"KK	FP1B	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.10	C	
		RF HSK-F063P-EZ3/8"SR-4.72"KK	FP1B	4.72"	3.70"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	1.30	C	
		RF HSK-F063P-EZ3/8"SR-6.30"KK	FP1C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	2.36"	-	1.70	C	
		RF HSK-F063P-EZ7/16"SR-2.76"KZ	FP1A	2.76"	1.73"	0.84"	1.04"	-	7/16"	1.26"	1.69"	-	0.80	C	
		RF HSK-F063P-EZ7/16"SR-3.94"KK	FP1B	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.10	C	
		RF HSK-F063P-EZ7/16"SR-4.72"KK	FP1B	4.72"	3.70"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	1.30	C	
		RF HSK-F063P-EZ7/16"SR-6.30"KK	FP1C	6.30"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	2.36"	-	1.70	C	
		RF HSK-F063P-EZ1/2"SR-2.76"KZ	FP1A	2.76"	1.73"	0.90"	1.10"	-	1/2"	1.30"	1.69"	-	0.90	C	
		RF HSK-F063P-EZ1/2"SR-3.94"KK	FP1B	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.20	C	
		RF HSK-F063P-EZ1/2"SR-4.72"KK	FP1B	4.72"	3.70"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	1.40	C	
		RF HSK-F063P-EZ1/2"SR-6.30"KK	FP1C	6.30"	3.94"	0.90"	1.34"	1.66"	1/2"	1.46"	2.36"	-	1.80	C	
		RF HSK-F063P-EZ5/8"SR-2.76"KZ	FP1A	2.76"	1.73"	1.02"	1.22"	-	5/8"	1.30"	1.69"	-	0.90	C	
		RF HSK-F063P-EZ5/8"SR-3.94"KK	FP1B	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.99"	-	1.20	C	
		RF HSK-F063P-EZ5/8"SR-4.72"KK	FP1B	4.72"	3.70"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	1.40	C	
		RF HSK-F063P-EZ5/8"SR-6.30"KK	FP1C	6.30"	3.94"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	1.80	C	
		RF HSK-F063P-EZ3/4"SR-2.76"KZ	FP1A	2.76"	1.73"	1.15"	1.35"	-	3/4"	1.30"	1.69"	-	1.00	C	
		RF HSK-F063P-EZ3/4"SR-3.94"KK	FP1B	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.99"	-	1.30	C	
		RF HSK-F063P-EZ3/4"SR-4.72"KK	FP1B	4.72"	3.70"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	1.50	C	
		RF HSK-F063P-EZ3/4"SR-6.30"KK	FP1B	6.30"	5.28"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	1.90	C	
		RF HSK-F063P-EZ7/8"SR-2.76"KZ	FP1A	2.76"	1.73"	1.27"	1.47"	-	7/8"	1.30"	1.69"	-	1.00	C	
		RF HSK-F063P-EZ7/8"SR-3.94"KK	FP1B	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.99"	-	1.30	C	
		RF HSK-F063P-EZ7/8"SR-4.72"KK	FP1B	4.72"	3.70"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	1.50	C	
		RF HSK-F063P-EZ7/8"SR-6.30"KK	FP1B	6.30"	5.28"	1.27"	1.83"	-	7/8"	1.65"	3.15"	-	1.90	C	
		RF HSK-F063P-EZ1"SR-3.15"KZ	FP1A	3.15"	2.13"	1.40"	1.60"	-	1"	1.69"	2.09"	-	1.50	C	
		RF HSK-F063P-EZ1"SR-3.94"KK	FP1B	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.87"	-	1.70	C	
		RF HSK-F063P-EZ1"SR-4.72"KK	FP1B	4.72"	3.70"	1.40"	1.80"	-	1"	1.89"	3.66"	-	1.90	C	
		RF HSK-F063P-EZ1"SR-6.30"KK	FP1B	6.30"	3.94"	1.40"	1.96"	-	1"	1.89"	3.94"	-	2.30	C	
		RF HSK-F063P-EZ1 1/4"SR-3.15"KZ	FP1A	3.15"	2.13"	1.64"	1.84"	-	1 1/4"	1.69"	2.09"	-	1.50	C	
		RF HSK-F063P-EZ1 1/4"SR-3.94"KK	FP1B	3.94"	2.91"	1.64"	1.96"	-	1 1/4"	2.05"	2.87"	-	1.70	C	
		RF HSK-F063P-EZ1 1/4"SR-4.72"KK	FP1B	4.72"	3.70"	1.64"	2.04"	-	1 1/4"	2.05"	3.66"	-	1.90	C	
		RF HSK-F063P-EZ1 1/4"SR-6.30"KK	FP1B	6.30"	3.94"	1.64"	2.08"	-	1 1/4"	2.05"	3.94"	-	2.30	C	

STOCK ◎=標準在庫品 // STOCK ○=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck

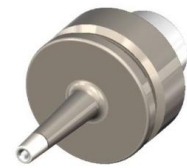
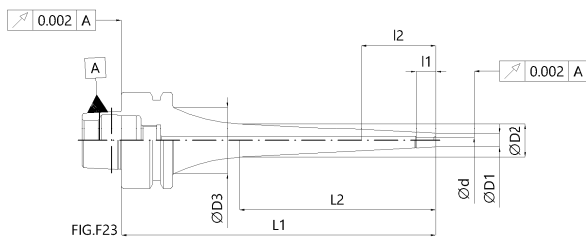
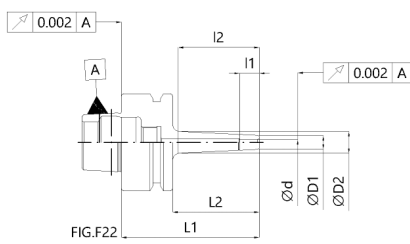
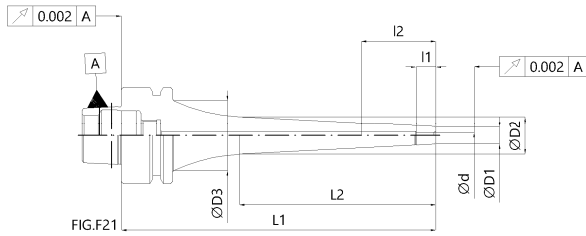
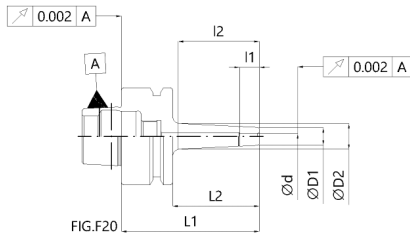
ezShrink EZSRKK // RF HSK-FP-EZSRKK inch

ezShrink+ezKool SlimRegular RF鍍層細型鼻端噴水熱膨脹燒結刀柄-英制
ezShrink+ezKool SlimRegular RF rust proof coating shrink fit chucks with coolant through nose-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F080P-EZ1/8"SR-3.15"KZ	FP1A	3.15"	2.13"	0.52"	0.76"	-	1/8"	0.43"	-	-	1.40	C	
		RF HSK-F080P-EZ1/8"SR-3.94"KK	FP1B	3.94"	2.91"	0.52"	0.84"	-	1/8"	0.43"	-	-	1.60	C	
		RF HSK-F080P-EZ1/8"SR-4.72"KK	FP1B	4.72"	3.70"	0.52"	0.92"	-	1/8"	0.43"	-	-	1.80	C	
		RF HSK-F080P-EZ1/8"SR-6.30"KK	FP1C	6.30"	3.94"	0.52"	0.96"	1.40"	1/8"	0.43"	-	-	2.20	C	
		RF HSK-F080P-EZ3/16"SR-3.15"KZ	FP1A	3.15"	2.13"	0.59"	0.83"	-	3/16"	0.55"	-	-	1.40	C	
		RF HSK-F080P-EZ3/16"SR-3.94"KK	FP1B	3.94"	2.91"	0.59"	0.91"	-	3/16"	0.55"	-	-	1.60	C	
		RF HSK-F080P-EZ3/16"SR-4.72"KK	FP1B	4.72"	3.70"	0.59"	0.99"	-	3/16"	0.55"	-	-	1.80	C	
		RF HSK-F080P-EZ3/16"SR-6.30"KK	FP1C	6.30"	3.94"	0.59"	1.03"	1.47"	3/16"	0.55"	-	-	2.20	C	
		RF HSK-F080P-EZ1/4"SR-3.15"KZ	FP1A	3.15"	2.13"	0.65"	0.89"	-	1/4"	0.91"	-	-	1.50	C	
		RF HSK-F080P-EZ1/4"SR-3.94"KK	FP1B	3.94"	2.91"	0.65"	0.97"	-	1/4"	0.91"	-	-	1.70	C	
		RF HSK-F080P-EZ1/4"SR-4.72"KK	FP1B	4.72"	3.70"	0.65"	1.05"	-	1/4"	0.91"	-	-	1.90	C	
		RF HSK-F080P-EZ1/4"SR-6.30"KK	FP1C	6.30"	3.94"	0.65"	1.09"	1.53"	1/4"	0.91"	-	-	2.30	C	
		RF HSK-F080P-EZ5/16"SR-3.15"KZ	FP1A	3.15"	2.13"	0.71"	0.95"	-	5/16"	1.06"	-	-	1.50	C	
		RF HSK-F080P-EZ5/16"SR-3.94"KK	FP1B	3.94"	2.91"	0.71"	1.03"	-	5/16"	1.06"	-	-	1.70	C	
		RF HSK-F080P-EZ5/16"SR-4.72"KK	FP1B	4.72"	3.70"	0.71"	1.11"	-	5/16"	1.06"	-	-	1.90	C	
		RF HSK-F080P-EZ5/16"SR-6.30"KK	FP1C	6.30"	3.94"	0.71"	1.15"	1.55"	5/16"	1.06"	-	-	2.30	C	
		RF HSK-F080P-EZ3/8"SR-3.15"KZ	FP1A	3.15"	2.13"	0.77"	1.01"	-	3/8"	1.26"	1.89"	-	1.60	C	
		RF HSK-F080P-EZ3/8"SR-3.94"KK	FP1B	3.94"	2.91"	0.77"	1.09"	-	3/8"	1.26"	2.36"	-	1.80	C	
		RF HSK-F080P-EZ3/8"SR-4.72"KK	FP1B	4.72"	3.70"	0.77"	1.17"	-	3/8"	1.26"	2.36"	-	2.00	C	
		RF HSK-F080P-EZ3/8"SR-6.30"KK	FP1C	6.30"	3.94"	0.77"	1.21"	1.57"	3/8"	1.26"	2.36"	-	2.40	C	
		RF HSK-F080P-EZ7/16"SR-3.15"KZ	FP1A	3.15"	2.13"	0.84"	1.08"	-	7/16"	1.26"	1.89"	-	1.60	C	
		RF HSK-F080P-EZ7/16"SR-3.94"KK	FP1B	3.94"	2.91"	0.84"	1.16"	-	7/16"	1.26"	2.36"	-	1.80	C	
		RF HSK-F080P-EZ7/16"SR-4.72"KK	FP1B	4.72"	3.70"	0.84"	1.24"	-	7/16"	1.26"	2.36"	-	2.00	C	
		RF HSK-F080P-EZ7/16"SR-6.30"KK	FP1C	6.30"	3.94"	0.84"	1.28"	1.64"	7/16"	1.26"	2.36"	-	2.40	C	
		RF HSK-F080P-EZ1/2"SR-3.15"KZ	FP1A	3.15"	2.13"	0.90"	1.14"	-	1/2"	1.46"	1.89"	-	1.70	C	
		RF HSK-F080P-EZ1/2"SR-3.94"KK	FP1B	3.94"	2.91"	0.90"	1.22"	-	1/2"	1.46"	2.36"	-	1.90	C	
		RF HSK-F080P-EZ1/2"SR-4.72"KK	FP1B	4.72"	3.70"	0.90"	1.30"	-	1/2"	1.46"	2.36"	-	2.10	C	
		RF HSK-F080P-EZ1/2"SR-6.30"KK	FP1C	6.30"	3.94"	0.90"	1.34"	1.66"	1/2"	1.46"	2.36"	-	2.50	C	
		RF HSK-F080P-EZ5/8"SR-3.15"KZ	FP1A	3.15"	2.13"	1.02"	1.26"	-	5/8"	1.50"	1.89"	-	1.70	C	
		RF HSK-F080P-EZ5/8"SR-3.94"KK	FP1B	3.94"	2.91"	1.02"	1.34"	-	5/8"	1.57"	2.99"	-	1.90	C	
		RF HSK-F080P-EZ5/8"SR-4.72"KK	FP1B	4.72"	3.70"	1.02"	1.42"	-	5/8"	1.57"	3.15"	-	2.10	C	
		RF HSK-F080P-EZ5/8"SR-6.30"KK	FP1C	6.30"	3.94"	1.02"	1.46"	1.66"	5/8"	1.57"	3.15"	-	2.50	C	
		RF HSK-F080P-EZ3/4"SR-3.15"KZ	FP1A	3.15"	2.13"	1.15"	1.39"	-	3/4"	1.50"	1.89"	-	1.80	C	
		RF HSK-F080P-EZ3/4"SR-3.94"KK	FP1B	3.94"	2.91"	1.15"	1.47"	-	3/4"	1.65"	2.99"	-	2.00	C	
		RF HSK-F080P-EZ3/4"SR-4.72"KK	FP1B	4.72"	3.70"	1.15"	1.55"	-	3/4"	1.65"	3.15"	-	2.20	C	
		RF HSK-F080P-EZ3/4"SR-6.30"KK	FP1B	6.30"	5.28"	1.15"	1.71"	-	3/4"	1.65"	3.15"	-	2.60	C	
		RF HSK-F080P-EZ7/8"SR-3.15"KZ	FP1A	3.15"	2.13"	1.27"	1.47"	-	7/8"	1.50"	1.89"	-	1.80	C	
		RF HSK-F080P-EZ7/8"SR-3.94"KK	FP1B	3.94"	2.91"	1.27"	1.59"	-	7/8"	1.65"	2.99"	-	2.00	C	
		RF HSK-F080P-EZ7/8"SR-4.72"KK	FP1B	4.72"	3.70"	1.27"	1.67"	-	7/8"	1.65"	3.15"	-	2.20	C	
		RF HSK-F080P-EZ7/8"SR-6.30"KK	FP1B	6.30"	5.28"	1.27"	1.83"	-	7/8"	1.65"	3.15"	-	2.60	C	
		RF HSK-F080P-EZ1"SR-3.94"KK	FP1B	3.94"	2.91"	1.40"	1.72"	-	1"	1.89"	2.68"	-	2.40	C	
		RF HSK-F080P-EZ1"SR-4.72"KK	FP1B	4.72"	3.70"	1.40"	1.80"	-	1"	1.89"	3.66"	-	2.60	C	
		RF HSK-F080P-EZ1"SR-6.30"KK	FP1B	6.30"	3.94"	1.40"	1.96"	-	1"	1.89"	3.94"	-	3.00	C	
		RF HSK-F080P-EZ1 1/4"SR-3.94"KK	FP1B	3.94"	2.91"	1.64"	1.96"	-	1 1/4"	2.05"	2.68"	-	2.40	C	
		RF HSK-F080P-EZ1 1/4"SR-4.72"KK	FP1B	4.72"	3.70"	1.64"	2.04"	-	1 1/4"	2.05"	3.66"	-	2.60	C	
		RF HSK-F080P-EZ1 1/4"SR-6.30"KK	FP1B	6.30"	3.94"	1.64"	2.08"	-	1 1/4"	2.05"	3.94"	-	3.00	C	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request
每支刀柄出貨附1支出水導管 // Deliver with one coolant tube for each chuck



ezShrink EZSS & EZSSU // RF HSK-F-EZSS & RF HSK-F-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F040-EZ03SS-060	F20	60	40	9	13	-	3	11	-	-	0.20	A	
		RF HSK-F040-EZ03SS-080	F20	80	60	9	15	-	3	11	-	-	0.40	A	
		RF HSK-F040-EZ03SS-100	F20	100	80	9	17	-	3	11	-	-	0.60	A	
		RF HSK-F040-EZ03SS-120	F20	120	100	9	19	-	3	11	-	-	0.80	A	
		RF HSK-F040-EZ04SS-060	F20	60	40	10	14	-	4	14	30	-	0.20	A	
		RF HSK-F040-EZ04SS-080	F20	80	60	10	16	-	4	14	30	-	0.40	A	
		RF HSK-F040-EZ04SS-100	F20	100	80	10	18	-	4	14	30	-	0.60	A	
		RF HSK-F040-EZ04SS-120	F20	120	100	10	20	-	4	14	30	-	0.80	A	
		RF HSK-F040-EZ05SS-060	F20	60	40	11	15	-	5	17	30	-	0.20	A	
		RF HSK-F040-EZ05SS-080	F20	80	60	11	17	-	5	17	30	-	0.40	A	
		RF HSK-F040-EZ05SS-100	F20	100	80	11	19	-	5	17	30	-	0.60	A	
		RF HSK-F040-EZ05SS-120	F20	120	100	11	21	-	5	17	30	-	0.80	A	
		RF HSK-F040-EZ06SS-060	F20	60	40	12	16	-	6	23	39	-	0.30	A	
		RF HSK-F040-EZ06SS-080	F20	80	60	12	18	-	6	23	40	-	0.50	A	
		RF HSK-F040-EZ06SS-100	F20	100	80	12	20	-	6	23	40	-	0.70	A	
		RF HSK-F040-EZ06SS-120	F20	120	100	12	22	-	6	23	40	-	0.90	A	
		RF HSK-F040-EZ08SS-060	F20	60	40	14	18	-	8	27	39	-	0.30	A	
		RF HSK-F040-EZ08SS-080	F20	80	60	14	20	-	8	27	59	-	0.50	A	
		RF HSK-F040-EZ08SS-100	F20	100	80	14	22	-	8	27	60	-	0.70	A	
		RF HSK-F040-EZ08SS-120	F20	120	100	14	24	-	8	27	60	-	0.90	A	
		RF HSK-F040-EZ10SS-060	F20	60	40	16	20	-	10	29	39	-	0.40	A	
		RF HSK-F040-EZ10SS-080	F20	80	60	16	22	-	10	32	59	-	0.60	A	
		RF HSK-F040-EZ10SS-100	F20	100	80	16	24	-	10	32	60	-	0.80	A	
		RF HSK-F040-EZ10SS-120	F20	120	100	16	26	-	10	32	60	-	1.00	A	
		RF HSK-F040-EZ12SS-060	F20	60	40	18	22	-	12	29	39	-	0.40	A	
		RF HSK-F040-EZ12SS-080	F20	80	60	18	24	-	12	37	59	-	0.60	A	
		RF HSK-F040-EZ12SS-100	F20	100	80	18	26	-	12	37	60	-	0.80	A	
		RF HSK-F040-EZ12SS-120	F20	120	100	18	28	-	12	37	60	-	1.00	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F040-EZ03SSU-060	F22	60	40	7	11	-	3	11	-	-	0.20	A	
		RF HSK-F040-EZ03SSU-080	F22	80	60	7	13	-	3	11	-	-	0.40	A	
		RF HSK-F040-EZ03SSU-100	F22	100	80	7	15	-	3	11	-	-	0.60	A	
		RF HSK-F040-EZ03SSU-120	F22	120	100	7	17	-	3	11	-	-	0.80	A	
		RF HSK-F040-EZ04SSU-060	F22	60	40	8	12	-	4	14	30	-	0.20	A	
		RF HSK-F040-EZ04SSU-080	F22	80	60	8	14	-	4	14	30	-	0.40	A	
		RF HSK-F040-EZ04SSU-100	F22	100	80	8	16	-	4	14	30	-	0.60	A	
		RF HSK-F040-EZ04SSU-120	F22	120	100	8	18	-	4	14	30	-	0.80	A	
		RF HSK-F040-EZ05SSU-060	F22	60	40	9	13	-	5	17	30	-	0.20	A	
		RF HSK-F040-EZ05SSU-080	F22	80	60	9	15	-	5	17	30	-	0.40	A	
		RF HSK-F040-EZ05SSU-100	F22	100	80	9	17	-	5	17	30	-	0.60	A	
		RF HSK-F040-EZ05SSU-120	F22	120	100	9	19	-	5	17	30	-	0.80	A	
		RF HSK-F040-EZ06SSU-060	F22	60	40	10	14	-	6	23	39	-	0.30	A	
		RF HSK-F040-EZ06SSU-080	F22	80	60	10	16	-	6	23	40	-	0.50	A	
		RF HSK-F040-EZ06SSU-100	F22	100	80	10	18	-	6	23	40	-	0.70	A	
		RF HSK-F040-EZ06SSU-120	F22	120	100	10	20	-	6	23	40	-	0.90	A	
		RF HSK-F040-EZ08SSU-060	F22	60	40	12	16	-	8	27	39	-	0.30	A	
		RF HSK-F040-EZ08SSU-080	F22	80	60	12	18	-	8	27	59	-	0.50	A	
		RF HSK-F040-EZ08SSU-100	F22	100	80	12	20	-	8	27	60	-	0.70	A	
		RF HSK-F040-EZ08SSU-120	F22	120	100	12	22	-	8	27	60	-	0.90	A	
		RF HSK-F040-EZ10SSU-060	F22	60	40	14	18	-	10	29	39	-	0.40	A	
		RF HSK-F040-EZ10SSU-080	F22	80	60	14	20	-	10	32	59	-	0.60	A	
		RF HSK-F040-EZ10SSU-100	F22	100	80	14	22	-	10	32	60	-	0.80	A	
		RF HSK-F040-EZ10SSU-120	F22	120	100	14	24	-	10	32	60	-	1.00	A	
		RF HSK-F040-EZ12SSU-060	F22	60	40	16	20	-	12	29	39	-	0.40	A	
		RF HSK-F040-EZ12SSU-080	F22	80	60	16	22	-	12	37	59	-	0.60	A	
		RF HSK-F040-EZ12SSU-100	F22	100	80	16	24	-	12	37	60	-	0.80	A	
		RF HSK-F040-EZ12SSU-120	F22	120	100	16	26	-	12	37	60	-	1.00	A	

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ezShrink EZSS & EZSSU // RF HSK-F-EZSS & RF HSK-F-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F050-EZ03SS-070	F20	70	44	9	14	-	3	11	-	-	0.40	A	
		RF HSK-F050-EZ03SS-100	F20	100	74	9	17	-	3	11	-	-	0.70	A	
		RF HSK-F050-EZ03SS-120	F20	120	94	9	19	-	3	11	-	-	0.90	A	
		RF HSK-F050-EZ03SS-160	F21	160	100	9	20	37	3	11	-	-	1.30	A	
		RF HSK-F050-EZ04SS-070	F20	70	44	10	15	-	4	14	-	-	0.40	A	
		RF HSK-F050-EZ04SS-100	F20	100	74	10	18	-	4	14	-	-	0.70	A	
		RF HSK-F050-EZ04SS-120	F20	120	94	10	20	-	4	14	-	-	0.90	A	
		RF HSK-F050-EZ04SS-160	F21	160	100	10	21	38	4	14	-	-	1.30	A	
		RF HSK-F050-EZ05SS-070	F20	70	44	11	16	-	5	17	30	-	0.40	A	
		RF HSK-F050-EZ05SS-100	F20	100	74	11	19	-	5	17	30	-	0.70	A	
		RF HSK-F050-EZ05SS-120	F20	120	94	11	21	-	5	17	30	-	0.90	A	
		RF HSK-F050-EZ05SS-160	F21	160	100	11	22	39	5	17	30	-	1.30	A	
		RF HSK-F050-EZ06SS-070	F20	70	44	12	17	-	6	23	40	-	0.50	A	
		RF HSK-F050-EZ06SS-100	F20	100	74	12	20	-	6	23	40	-	0.80	A	
		RF HSK-F050-EZ06SS-120	F20	120	94	12	22	-	6	23	40	-	1.00	A	
		RF HSK-F050-EZ06SS-160	F21	160	100	12	23	40	6	23	40	-	1.40	A	
		RF HSK-F050-EZ08SS-070	F20	70	44	14	19	-	8	27	45	-	0.50	A	
		RF HSK-F050-EZ08SS-100	F20	100	74	14	22	-	8	27	60	-	0.80	A	
		RF HSK-F050-EZ08SS-120	F20	120	94	14	24	-	8	27	60	-	1.00	A	
		RF HSK-F050-EZ08SS-160	F21	160	100	14	25	40	8	27	60	-	1.40	A	
		RF HSK-F050-EZ10SS-070	F20	70	44	16	21	-	10	32	45	-	0.60	A	
		RF HSK-F050-EZ10SS-100	F20	100	74	16	24	-	10	32	60	-	0.90	A	
		RF HSK-F050-EZ10SS-120	F20	120	94	16	26	-	10	32	60	-	1.10	A	
		RF HSK-F050-EZ10SS-160	F21	160	100	16	27	42	10	32	60	-	1.50	A	
		RF HSK-F050-EZ12SS-070	F20	70	44	18	23	-	12	35	45	-	0.60	A	
		RF HSK-F050-EZ12SS-100	F20	100	74	18	26	-	12	37	60	-	0.90	A	
		RF HSK-F050-EZ12SS-120	F20	120	94	18	28	-	12	37	60	-	1.10	A	
		RF HSK-F050-EZ12SS-160	F21	160	100	18	29	42	12	37	60	-	1.50	A	

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ezShrink EZSS & EZSSU // RF HSK-F-EZSS & RF HSK-F-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/30,000RPM或小于1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F050-EZ03SSU-070	F22	70	44	7	12	-	3	11	-	-	0.40	A	
		RF HSK-F050-EZ03SSU-100	F22	100	74	7	15	-	3	11	-	-	0.70	A	
		RF HSK-F050-EZ03SSU-120	F22	120	94	7	17	-	3	11	-	-	0.90	A	
		RF HSK-F050-EZ03SSU-160	F23	160	100	7	18	35	3	11	-	-	1.30	A	
		RF HSK-F050-EZ04SSU-070	F22	70	44	8	13	-	4	14	-	-	0.40	A	
		RF HSK-F050-EZ04SSU-100	F22	100	74	8	16	-	4	14	-	-	0.70	A	
		RF HSK-F050-EZ04SSU-120	F22	120	94	8	18	-	4	14	-	-	0.90	A	
		RF HSK-F050-EZ04SSU-160	F23	160	100	8	19	36	4	14	-	-	1.30	A	
		RF HSK-F050-EZ05SSU-070	F22	70	44	9	14	-	5	17	30	-	0.40	A	
		RF HSK-F050-EZ05SSU-100	F22	100	74	9	17	-	5	17	30	-	0.70	A	
		RF HSK-F050-EZ05SSU-120	F22	120	94	9	19	-	5	17	30	-	0.90	A	
		RF HSK-F050-EZ05SSU-160	F23	160	100	9	20	37	5	17	30	-	1.30	A	
		RF HSK-F050-EZ06SSU-070	F22	70	44	10	15	-	6	23	40	-	0.50	A	
		RF HSK-F050-EZ06SSU-100	F22	100	74	10	18	-	6	23	40	-	0.80	A	
		RF HSK-F050-EZ06SSU-120	F22	120	94	10	20	-	6	23	40	-	1.00	A	
		RF HSK-F050-EZ06SSU-160	F23	160	100	10	21	38	6	23	40	-	1.40	A	
		RF HSK-F050-EZ08SSU-070	F22	70	44	12	17	-	8	27	45	-	0.50	A	
		RF HSK-F050-EZ08SSU-100	F22	100	74	12	20	-	8	27	60	-	0.80	A	
		RF HSK-F050-EZ08SSU-120	F22	120	94	12	22	-	8	27	60	-	1.00	A	
		RF HSK-F050-EZ08SSU-160	F23	160	100	12	23	38	8	27	60	-	1.40	A	
		RF HSK-F050-EZ10SSU-070	F22	70	44	14	19	-	10	32	45	-	0.60	A	
		RF HSK-F050-EZ10SSU-100	F22	100	74	14	22	-	10	32	60	-	0.90	A	
		RF HSK-F050-EZ10SSU-120	F22	120	94	14	24	-	10	32	60	-	1.10	A	
		RF HSK-F050-EZ10SSU-160	F23	160	100	14	25	40	10	32	60	-	1.50	A	
		RF HSK-F050-EZ12SSU-070	F22	70	44	16	21	-	12	35	45	-	0.60	A	
		RF HSK-F050-EZ12SSU-100	F22	100	74	16	24	-	12	37	60	-	0.90	A	
		RF HSK-F050-EZ12SSU-120	F22	120	94	16	26	-	12	37	60	-	1.10	A	
		RF HSK-F050-EZ12SSU-160	F23	160	100	16	27	40	12	37	60	-	1.50	A	

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ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	○	RF HSK-F063-EZ03SS-070	F20	70	44	9	14	-	3	11	-	-	0.50	A	
	○	RF HSK-F063-EZ03SS-100	F20	100	74	9	17	-	3	11	-	-	0.80	A	
	○	RF HSK-F063-EZ03SS-120	F20	120	94	9	19	-	3	11	-	-	1.00	A	
	○	RF HSK-F063-EZ03SS-160	F21	160	100	9	20	37	3	11	-	-	1.40	A	
	○	RF HSK-F063-EZ04SS-070	F20	70	44	10	15	-	4	14	-	-	0.50	A	
	○	RF HSK-F063-EZ04SS-100	F20	100	74	10	18	-	4	14	-	-	0.80	A	
	○	RF HSK-F063-EZ04SS-120	F20	120	94	10	20	-	4	14	-	-	1.00	A	
	○	RF HSK-F063-EZ04SS-160	F21	160	100	10	21	38	4	14	-	-	1.40	A	
	○	RF HSK-F063-EZ05SS-070	F20	70	44	11	16	-	5	17	-	-	0.50	A	
	○	RF HSK-F063-EZ05SS-100	F20	100	74	11	19	-	5	17	-	-	0.80	A	
	○	RF HSK-F063-EZ05SS-120	F20	120	94	11	21	-	5	17	-	-	1.00	A	
	○	RF HSK-F063-EZ05SS-160	F21	160	100	11	22	39	5	17	-	-	1.40	A	
	○	RF HSK-F063-EZ06SS-070	F20	70	44	12	17	-	6	23	-	-	0.60	A	
	○	RF HSK-F063-EZ06SS-100	F20	100	74	12	20	-	6	23	-	-	0.90	A	
	○	RF HSK-F063-EZ06SS-120	F20	120	94	12	22	-	6	23	-	-	1.10	A	
	○	RF HSK-F063-EZ06SS-160	F21	160	100	12	23	40	6	23	-	-	1.50	A	
	○	RF HSK-F063-EZ08SS-070	F20	70	44	14	19	-	8	27	43	-	0.60	A	
	○	RF HSK-F063-EZ08SS-100	F20	100	74	14	22	-	8	27	60	-	0.90	A	
	○	RF HSK-F063-EZ08SS-120	F20	120	94	14	24	-	8	27	60	-	1.10	A	
	○	RF HSK-F063-EZ08SS-160	F21	160	100	14	25	40	8	27	60	-	1.50	A	
	○	RF HSK-F063-EZ10SS-070	F20	70	44	16	21	-	10	32	43	-	0.70	A	
	○	RF HSK-F063-EZ10SS-100	F20	100	74	16	24	-	10	32	60	-	1.00	A	
	○	RF HSK-F063-EZ10SS-120	F20	120	94	16	26	-	10	32	60	-	1.20	A	
	○	RF HSK-F063-EZ10SS-160	F21	160	100	16	27	42	10	32	60	-	1.60	A	
	○	RF HSK-F063-EZ12SS-070	F20	70	44	18	23	-	12	33	43	-	0.70	A	
	○	RF HSK-F063-EZ12SS-100	F20	100	74	18	26	-	12	37	60	-	1.00	A	
	○	RF HSK-F063-EZ12SS-120	F20	120	94	18	28	-	12	37	60	-	1.20	A	
	○	RF HSK-F063-EZ12SS-160	F21	160	100	18	29	42	12	37	60	-	1.60	A	

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動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
○		RF HSK-F063-EZ03SSU-070	F22	70	44	7	12	-	3	11	-	-	0.50	A	
○		RF HSK-F063-EZ03SSU-100	F22	100	74	7	15	-	3	11	-	-	0.80	A	
○		RF HSK-F063-EZ03SSU-120	F22	120	94	7	17	-	3	11	-	-	1.00	A	
○		RF HSK-F063-EZ03SSU-160	F23	160	100	7	18	35	3	11	-	-	1.40	A	
○		RF HSK-F063-EZ04SSU-070	F22	70	44	8	13	-	4	14	-	-	0.50	A	
○		RF HSK-F063-EZ04SSU-100	F22	100	74	8	16	-	4	14	-	-	0.80	A	
○		RF HSK-F063-EZ04SSU-120	F22	120	94	8	18	-	4	14	-	-	1.00	A	
○		RF HSK-F063-EZ04SSU-160	F23	160	100	8	19	36	4	14	-	-	1.40	A	
○		RF HSK-F063-EZ05SSU-070	F22	70	44	9	14	-	5	17	-	-	0.50	A	
○		RF HSK-F063-EZ05SSU-100	F22	100	74	9	17	-	5	17	-	-	0.80	A	
○		RF HSK-F063-EZ05SSU-120	F22	120	94	9	19	-	5	17	-	-	1.00	A	
○		RF HSK-F063-EZ05SSU-160	F23	160	100	9	20	37	5	17	-	-	1.40	A	
○		RF HSK-F063-EZ06SSU-070	F22	70	44	10	15	-	6	23	-	-	0.60	A	
○		RF HSK-F063-EZ06SSU-100	F22	100	74	10	18	-	6	23	-	-	0.90	A	
○		RF HSK-F063-EZ06SSU-120	F22	120	94	10	20	-	6	23	-	-	1.10	A	
○		RF HSK-F063-EZ06SSU-160	F23	160	100	10	21	38	6	23	-	-	1.50	A	
○		RF HSK-F063-EZ08SSU-070	F22	70	44	12	17	-	8	27	43	-	0.60	A	
○		RF HSK-F063-EZ08SSU-100	F22	100	74	12	20	-	8	27	60	-	0.90	A	
○		RF HSK-F063-EZ08SSU-120	F22	120	94	12	22	-	8	27	60	-	1.10	A	
○		RF HSK-F063-EZ08SSU-160	F23	160	100	12	23	38	8	27	60	-	1.50	A	
○		RF HSK-F063-EZ10SSU-070	F22	70	44	14	19	-	10	32	43	-	0.70	A	
○		RF HSK-F063-EZ10SSU-100	F22	100	74	14	22	-	10	32	60	-	1.00	A	
○		RF HSK-F063-EZ10SSU-120	F22	120	94	14	24	-	10	32	60	-	1.20	A	
○		RF HSK-F063-EZ10SSU-160	F23	160	100	14	25	40	10	32	60	-	1.60	A	
○		RF HSK-F063-EZ12SSU-070	F22	70	44	16	21	-	12	33	43	-	0.70	A	
○		RF HSK-F063-EZ12SSU-100	F22	100	74	16	24	-	12	37	60	-	1.00	A	
○		RF HSK-F063-EZ12SSU-120	F22	120	94	16	26	-	12	37	60	-	1.20	A	
○		RF HSK-F063-EZ12SSU-160	F23	160	100	16	27	40	12	37	60	-	1.60	A	

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ezShrink EZSS & EZSSU // RF HSK-F-EZSS & RF HSK-F-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F040-EZ1/8"SS-2.36"	F20	2.36"	1.57"	0.36"	0.52"	-	1/8"	0.43"	-	-	0.20	A	
		RF HSK-F040-EZ1/8"SS-3.15"	F20	3.15"	2.36"	0.36"	0.60"	-	1/8"	0.43"	-	-	0.40	A	
		RF HSK-F040-EZ1/8"SS-3.94"	F20	3.94"	3.15"	0.36"	0.68"	-	1/8"	0.43"	-	-	0.60	A	
		RF HSK-F040-EZ1/8"SS-4.72"	F20	4.72"	3.94"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-F040-EZ3/16"SS-2.36"	F20	2.36"	1.57"	0.42"	0.58"	-	3/16"	0.55"	1.18"	-	0.20	A	
		RF HSK-F040-EZ3/16"SS-3.15"	F20	3.15"	2.36"	0.42"	0.66"	-	3/16"	0.55"	1.18"	-	0.40	A	
		RF HSK-F040-EZ3/16"SS-3.94"	F20	3.94"	3.15"	0.42"	0.74"	-	3/16"	0.55"	1.18"	-	0.60	A	
		RF HSK-F040-EZ3/16"SS-4.72"	F20	4.72"	3.94"	0.42"	0.82"	-	3/16"	0.55"	1.18"	-	0.80	A	
		RF HSK-F040-EZ1/4"SS-2.36"	F20	2.36"	1.57"	0.49"	0.65"	-	1/4"	0.91"	1.54"	-	0.30	A	
		RF HSK-F040-EZ1/4"SS-3.15"	F20	3.15"	2.36"	0.49"	0.73"	-	1/4"	0.91"	1.57"	-	0.50	A	
		RF HSK-F040-EZ1/4"SS-3.94"	F20	3.94"	3.15"	0.49"	0.81"	-	1/4"	0.91"	1.57"	-	0.70	A	
		RF HSK-F040-EZ1/4"SS-4.72"	F20	4.72"	3.94"	0.49"	0.89"	-	1/4"	0.91"	1.57"	-	0.90	A	
		RF HSK-F040-EZ5/16"SS-2.36"	F20	2.36"	1.57"	0.55"	0.71"	-	5/16"	1.06"	1.54"	-	0.30	A	
		RF HSK-F040-EZ5/16"SS-3.15"	F20	3.15"	2.36"	0.55"	0.79"	-	5/16"	1.06"	2.32"	-	0.50	A	
		RF HSK-F040-EZ5/16"SS-3.94"	F20	3.94"	3.15"	0.55"	0.87"	-	5/16"	1.06"	2.36"	-	0.70	A	
		RF HSK-F040-EZ5/16"SS-4.72"	F20	4.72"	3.94"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-F040-EZ3/8"SS-2.36"	F20	2.36"	1.57"	0.61"	0.77"	-	3/8"	1.14"	1.54"	-	0.40	A	
		RF HSK-F040-EZ3/8"SS-3.15"	F20	3.15"	2.36"	0.61"	0.85"	-	3/8"	1.26"	2.32"	-	0.60	A	
		RF HSK-F040-EZ3/8"SS-3.94"	F20	3.94"	3.15"	0.61"	0.93"	-	3/8"	1.26"	2.36"	-	0.80	A	
		RF HSK-F040-EZ3/8"SS-4.72"	F20	4.72"	3.94"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-F040-EZ7/16"SS-2.36"	F20	2.36"	1.57"	0.67"	0.83"	-	7/16"	1.14"	1.54"	-	0.40	A	
		RF HSK-F040-EZ7/16"SS-3.15"	F20	3.15"	2.36"	0.67"	0.91"	-	7/16"	1.26"	2.32"	-	0.60	A	
		RF HSK-F040-EZ7/16"SS-3.94"	F20	3.94"	3.15"	0.67"	0.99"	-	7/16"	1.26"	2.36"	-	0.80	A	
		RF HSK-F040-EZ7/16"SS-4.72"	F20	4.72"	3.94"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-F040-EZ1/2"SS-2.36"	F20	2.36"	1.57"	0.74"	0.90"	-	1/2"	1.14"	1.54"	-	0.50	A	
		RF HSK-F040-EZ1/2"SS-3.15"	F20	3.15"	2.36"	0.74"	0.98"	-	1/2"	1.46"	2.32"	-	0.70	A	
		RF HSK-F040-EZ1/2"SS-3.94"	F20	3.94"	3.15"	0.74"	1.06"	-	1/2"	1.46"	2.36"	-	0.90	A	
		RF HSK-F040-EZ1/2"SS-4.72"	F20	4.72"	3.94"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.10	A	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F040-EZ1/8"SSU-2.36"	F22	2.36"	1.57"	0.28"	0.44"	-	1/8"	0.43"	-	-	0.20	A	
		RF HSK-F040-EZ1/8"SSU-3.15"	F22	3.15"	2.36"	0.28"	0.52"	-	1/8"	0.43"	-	-	0.40	A	
		RF HSK-F040-EZ1/8"SSU-3.94"	F22	3.94"	3.15"	0.28"	0.60"	-	1/8"	0.43"	-	-	0.60	A	
		RF HSK-F040-EZ1/8"SSU-4.72"	F22	4.72"	3.94"	0.28"	0.68"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-F040-EZ3/16"SSU-2.36"	F22	2.36"	1.57"	0.34"	0.50"	-	3/16"	0.55"	1.18"	-	0.20	A	
		RF HSK-F040-EZ3/16"SSU-3.15"	F22	3.15"	2.36"	0.34"	0.58"	-	3/16"	0.55"	1.18"	-	0.40	A	
		RF HSK-F040-EZ3/16"SSU-3.94"	F22	3.94"	3.15"	0.34"	0.66"	-	3/16"	0.55"	1.18"	-	0.60	A	
		RF HSK-F040-EZ3/16"SSU-4.72"	F22	4.72"	3.94"	0.34"	0.74"	-	3/16"	0.55"	1.18"	-	0.80	A	
		RF HSK-F040-EZ1/4"SSU-2.36"	F22	2.36"	1.57"	0.41"	0.57"	-	1/4"	0.91"	1.54"	-	0.30	A	
		RF HSK-F040-EZ1/4"SSU-3.15"	F22	3.15"	2.36"	0.41"	0.65"	-	1/4"	0.91"	1.57"	-	0.50	A	
		RF HSK-F040-EZ1/4"SSU-3.94"	F22	3.94"	3.15"	0.41"	0.73"	-	1/4"	0.91"	1.57"	-	0.70	A	
		RF HSK-F040-EZ1/4"SSU-4.72"	F22	4.72"	3.94"	0.41"	0.81"	-	1/4"	0.91"	1.57"	-	0.90	A	
		RF HSK-F040-EZ5/16"SSU-2.36"	F22	2.36"	1.57"	0.47"	0.63"	-	5/16"	1.06"	1.54"	-	0.30	A	
		RF HSK-F040-EZ5/16"SSU-3.15"	F22	3.15"	2.36"	0.47"	0.71"	-	5/16"	1.06"	2.32"	-	0.50	A	
		RF HSK-F040-EZ5/16"SSU-3.94"	F22	3.94"	3.15"	0.47"	0.79"	-	5/16"	1.06"	2.36"	-	0.70	A	
		RF HSK-F040-EZ5/16"SSU-4.72"	F22	4.72"	3.94"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-F040-EZ3/8"SSU-2.36"	F22	2.36"	1.57"	0.53"	0.69"	-	3/8"	1.14"	1.54"	-	0.40	A	
		RF HSK-F040-EZ3/8"SSU-3.15"	F22	3.15"	2.36"	0.53"	0.77"	-	3/8"	1.26"	2.32"	-	0.60	A	
		RF HSK-F040-EZ3/8"SSU-3.94"	F22	3.94"	3.15"	0.53"	0.85"	-	3/8"	1.26"	2.36"	-	0.80	A	
		RF HSK-F040-EZ3/8"SSU-4.72"	F22	4.72"	3.94"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-F040-EZ7/16"SSU-2.36"	F22	2.36"	1.57"	0.59"	0.75"	-	7/16"	1.14"	1.54"	-	0.40	A	
		RF HSK-F040-EZ7/16"SSU-3.15"	F22	3.15"	2.36"	0.59"	0.83"	-	7/16"	1.26"	2.32"	-	0.60	A	
		RF HSK-F040-EZ7/16"SSU-3.94"	F22	3.94"	3.15"	0.59"	0.91"	-	7/16"	1.26"	2.36"	-	0.80	A	
		RF HSK-F040-EZ7/16"SSU-4.72"	F22	4.72"	3.94"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-F040-EZ1/2"SSU-2.36"	F22	2.36"	1.57"	0.66"	0.82"	-	1/2"	1.14"	1.54"	-	0.50	A	
		RF HSK-F040-EZ1/2"SSU-3.15"	F22	3.15"	2.36"	0.66"	0.90"	-	1/2"	1.46"	2.32"	-	0.70	A	
		RF HSK-F040-EZ1/2"SSU-3.94"	F22	3.94"	3.15"	0.66"	0.98"	-	1/2"	1.46"	2.36"	-	0.90	A	
		RF HSK-F040-EZ1/2"SSU-4.72"	F22	4.72"	3.94"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.10	A	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F050-EZ1/8"SS-2.76"	F20	2.76"	1.73"	0.36"	0.56"	-	1/8"	0.43"	-	-	0.40	A	
		RF HSK-F050-EZ1/8"SS-3.94"	F20	3.94"	2.91"	0.36"	0.68"	-	1/8"	0.43"	-	-	0.70	A	
		RF HSK-F050-EZ1/8"SS-4.72"	F20	4.72"	3.70"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-F050-EZ1/8"SS-6.30"	F21	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.30	A	
		RF HSK-F050-EZ3/16"SS-2.76"	F20	2.76"	1.73"	0.42"	0.62"	-	3/16"	0.55"	1.18"	-	0.40	A	
		RF HSK-F050-EZ3/16"SS-3.94"	F20	3.94"	2.91"	0.42"	0.74"	-	3/16"	0.55"	1.18"	-	0.70	A	
		RF HSK-F050-EZ3/16"SS-4.72"	F20	4.72"	3.70"	0.42"	0.82"	-	3/16"	0.55"	1.18"	-	0.90	A	
		RF HSK-F050-EZ3/16"SS-6.30"	F21	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	1.18"	-	1.30	A	
		RF HSK-F050-EZ1/4"SS-2.76"	F20	2.76"	1.73"	0.49"	0.69"	-	1/4"	0.91"	1.77"	-	0.50	A	
		RF HSK-F050-EZ1/4"SS-3.94"	F20	3.94"	2.91"	0.49"	0.81"	-	1/4"	0.91"	2.36"	-	0.80	A	
		RF HSK-F050-EZ1/4"SS-4.72"	F20	4.72"	3.70"	0.49"	0.89"	-	1/4"	0.91"	2.36"	-	1.00	A	
		RF HSK-F050-EZ1/4"SS-6.30"	F21	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	2.36"	-	1.40	A	
		RF HSK-F050-EZ5/16"SS-2.76"	F20	2.76"	1.73"	0.55"	0.75"	-	5/16"	1.06"	1.77"	-	0.50	A	
		RF HSK-F050-EZ5/16"SS-3.94"	F20	3.94"	2.91"	0.55"	0.87"	-	5/16"	1.06"	2.36"	-	0.80	A	
		RF HSK-F050-EZ5/16"SS-4.72"	F20	4.72"	3.70"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	1.00	A	
		RF HSK-F050-EZ5/16"SS-6.30"	F21	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	2.36"	-	1.40	A	
		RF HSK-F050-EZ3/8"SS-2.76"	F20	2.76"	1.73"	0.61"	0.81"	-	3/8"	1.26"	1.77"	-	0.60	A	
		RF HSK-F050-EZ3/8"SS-3.94"	F20	3.94"	2.91"	0.61"	0.93"	-	3/8"	1.26"	2.36"	-	0.90	A	
		RF HSK-F050-EZ3/8"SS-4.72"	F20	4.72"	3.70"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF HSK-F050-EZ3/8"SS-6.30"	F21	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	1.50	A	
		RF HSK-F050-EZ7/16"SS-2.76"	F20	2.76"	1.73"	0.67"	0.87"	-	7/16"	1.26"	1.77"	-	0.60	A	
		RF HSK-F050-EZ7/16"SS-3.94"	F20	3.94"	2.91"	0.67"	0.99"	-	7/16"	1.26"	2.36"	-	0.90	A	
		RF HSK-F050-EZ7/16"SS-4.72"	F20	4.72"	3.70"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-F050-EZ7/16"SS-6.30"	F21	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	1.50	A	
		RF HSK-F050-EZ1/2"SS-2.76"	F20	2.76"	1.73"	0.74"	0.94"	-	1/2"	1.38"	1.77"	-	0.70	A	
		RF HSK-F050-EZ1/2"SS-3.94"	F20	3.94"	2.91"	0.74"	1.06"	-	1/2"	1.46"	2.36"	-	1.00	A	
		RF HSK-F050-EZ1/2"SS-4.72"	F20	4.72"	3.70"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF HSK-F050-EZ1/2"SS-6.30"	F21	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	1.60	A	

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		RF HSK-F050-EZ1/8"SSU-2.76"	F22	2.76"	1.73"	0.28"	0.48"	-	1/8"	0.43"	-	-	0.40	A	
		RF HSK-F050-EZ1/8"SSU-3.94"	F22	3.94"	2.91"	0.28"	0.60"	-	1/8"	0.43"	-	-	0.70	A	
		RF HSK-F050-EZ1/8"SSU-4.72"	F22	4.72"	3.70"	0.28"	0.68"	-	1/8"	0.43"	-	-	0.90	A	
		RF HSK-F050-EZ1/8"SSU-6.30"	F23	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.30	A	
		RF HSK-F050-EZ3/16"SSU-2.76"	F22	2.76"	1.73"	0.34"	0.54"	-	3/16"	0.55"	1.18"	-	0.40	A	
		RF HSK-F050-EZ3/16"SSU-3.94"	F22	3.94"	2.91"	0.34"	0.66"	-	3/16"	0.55"	1.18"	-	0.70	A	
		RF HSK-F050-EZ3/16"SSU-4.72"	F22	4.72"	3.70"	0.34"	0.74"	-	3/16"	0.55"	1.18"	-	0.90	A	
		RF HSK-F050-EZ3/16"SSU-6.30"	F23	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	1.18"	-	1.30	A	
		RF HSK-F050-EZ1/4"SSU-2.76"	F22	2.76"	1.73"	0.41"	0.61"	-	1/4"	0.91"	1.77"	-	0.50	A	
		RF HSK-F050-EZ1/4"SSU-3.94"	F22	3.94"	2.91"	0.41"	0.73"	-	1/4"	0.91"	2.36"	-	0.80	A	
		RF HSK-F050-EZ1/4"SSU-4.72"	F22	4.72"	3.70"	0.41"	0.81"	-	1/4"	0.91"	2.36"	-	1.00	A	
		RF HSK-F050-EZ1/4"SSU-6.30"	F23	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	2.36"	-	1.40	A	
		RF HSK-F050-EZ5/16"SSU-2.76"	F22	2.76"	1.73"	0.47"	0.67"	-	5/16"	1.06"	1.77"	-	0.50	A	
		RF HSK-F050-EZ5/16"SSU-3.94"	F22	3.94"	2.91"	0.47"	0.79"	-	5/16"	1.06"	2.36"	-	0.80	A	
		RF HSK-F050-EZ5/16"SSU-4.72"	F22	4.72"	3.70"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	1.00	A	
		RF HSK-F050-EZ5/16"SSU-6.30"	F23	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	2.36"	-	1.40	A	
		RF HSK-F050-EZ3/8"SSU-2.76"	F22	2.76"	1.73"	0.53"	0.73"	-	3/8"	1.26"	1.77"	-	0.60	A	
		RF HSK-F050-EZ3/8"SSU-3.94"	F22	3.94"	2.91"	0.53"	0.85"	-	3/8"	1.26"	2.36"	-	0.90	A	
		RF HSK-F050-EZ3/8"SSU-4.72"	F22	4.72"	3.70"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.10	A	
		RF HSK-F050-EZ3/8"SSU-6.30"	F23	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	1.50	A	
		RF HSK-F050-EZ7/16"SSU-2.76"	F22	2.76"	1.73"	0.59"	0.79"	-	7/16"	1.26"	1.77"	-	0.60	A	
		RF HSK-F050-EZ7/16"SSU-3.94"	F22	3.94"	2.91"	0.59"	0.91"	-	7/16"	1.26"	2.36"	-	0.90	A	
		RF HSK-F050-EZ7/16"SSU-4.72"	F22	4.72"	3.70"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.10	A	
		RF HSK-F050-EZ7/16"SSU-6.30"	F23	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	1.50	A	
		RF HSK-F050-EZ1/2"SSU-2.76"	F22	2.76"	1.73"	0.66"	0.86"	-	1/2"	1.38"	1.77"	-	0.70	A	
		RF HSK-F050-EZ1/2"SSU-3.94"	F22	3.94"	2.91"	0.66"	0.98"	-	1/2"	1.46"	2.36"	-	1.00	A	
		RF HSK-F050-EZ1/2"SSU-4.72"	F22	4.72"	3.70"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.20	A	
		RF HSK-F050-EZ1/2"SSU-6.30"	F23	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	1.60	A	

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ezShrink EZSS & EZSSU // RF HSK-F-EZSS & RF HSK-F-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F063-EZ1/8"SS-2.76"	F20	2.76"	1.73"	0.36"	0.56"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-F063-EZ1/8"SS-3.94"	F20	3.94"	2.91"	0.36"	0.68"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-F063-EZ1/8"SS-4.72"	F20	4.72"	3.70"	0.36"	0.76"	-	1/8"	0.43"	-	-	1.00	A	
		RF HSK-F063-EZ1/8"SS-6.30"	F21	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.40	A	
		RF HSK-F063-EZ3/16"SS-2.76"	F20	2.76"	1.73"	0.42"	0.62"	-	3/16"	0.55"	-	-	0.50	A	
		RF HSK-F063-EZ3/16"SS-3.94"	F20	3.94"	2.91"	0.42"	0.74"	-	3/16"	0.55"	-	-	0.80	A	
		RF HSK-F063-EZ3/16"SS-4.72"	F20	4.72"	3.70"	0.42"	0.82"	-	3/16"	0.55"	-	-	1.00	A	
		RF HSK-F063-EZ3/16"SS-6.30"	F21	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.40	A	
		RF HSK-F063-EZ1/4"SS-2.76"	F20	2.76"	1.73"	0.49"	0.69"	-	1/4"	0.91"	-	-	0.60	A	
		RF HSK-F063-EZ1/4"SS-3.94"	F20	3.94"	2.91"	0.49"	0.81"	-	1/4"	0.91"	-	-	0.90	A	
		RF HSK-F063-EZ1/4"SS-4.72"	F20	4.72"	3.70"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.10	A	
		RF HSK-F063-EZ1/4"SS-6.30"	F21	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.50	A	
		RF HSK-F063-EZ5/16"SS-2.76"	F20	2.76"	1.73"	0.55"	0.75"	-	5/16"	1.06"	1.69"	-	0.60	A	
		RF HSK-F063-EZ5/16"SS-3.94"	F20	3.94"	2.91"	0.55"	0.87"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-F063-EZ5/16"SS-4.72"	F20	4.72"	3.70"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	1.10	A	
		RF HSK-F063-EZ5/16"SS-6.30"	F21	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	2.36"	-	1.50	A	
		RF HSK-F063-EZ3/8"SS-2.76"	F20	2.76"	1.73"	0.61"	0.81"	-	3/8"	1.26"	1.69"	-	0.70	A	
		RF HSK-F063-EZ3/8"SS-3.94"	F20	3.94"	2.91"	0.61"	0.93"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-F063-EZ3/8"SS-4.72"	F20	4.72"	3.70"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.20	A	
		RF HSK-F063-EZ3/8"SS-6.30"	F21	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	1.60	A	
		RF HSK-F063-EZ7/16"SS-2.76"	F20	2.76"	1.73"	0.67"	0.87"	-	7/16"	1.26"	1.69"	-	0.70	A	
		RF HSK-F063-EZ7/16"SS-3.94"	F20	3.94"	2.91"	0.67"	0.99"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-F063-EZ7/16"SS-4.72"	F20	4.72"	3.70"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.20	A	
		RF HSK-F063-EZ7/16"SS-6.30"	F21	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	1.60	A	
		RF HSK-F063-EZ1/2"SS-2.76"	F20	2.76"	1.73"	0.74"	0.94"	-	1/2"	1.30"	1.69"	-	0.80	A	
		RF HSK-F063-EZ1/2"SS-3.94"	F20	3.94"	2.91"	0.74"	1.06"	-	1/2"	1.46"	2.36"	-	1.10	A	
		RF HSK-F063-EZ1/2"SS-4.72"	F20	4.72"	3.70"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.30	A	
		RF HSK-F063-EZ1/2"SS-6.30"	F21	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	1.70	A	

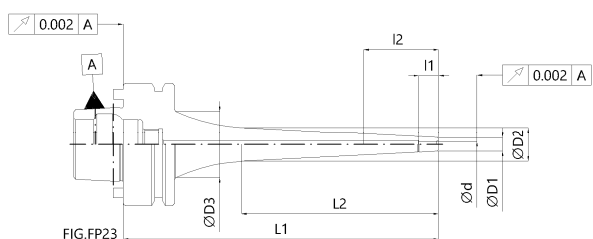
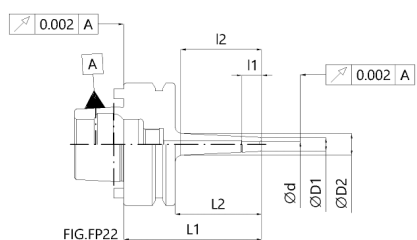
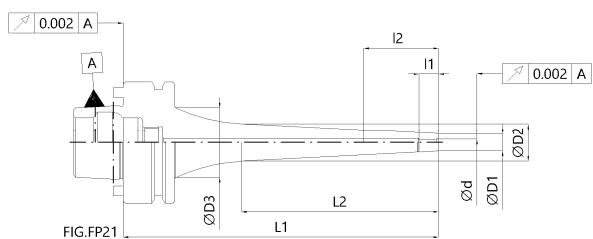
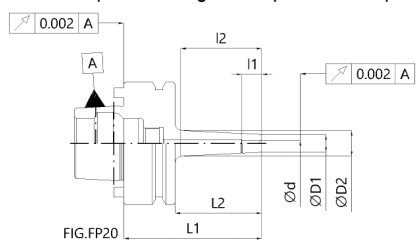
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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F063-EZ1/8"SSU-2.76"	F22	2.76"	1.73"	0.28"	0.48"	-	1/8"	0.43"	-	-	0.50	A	
		RF HSK-F063-EZ1/8"SSU-3.94"	F22	3.94"	2.91"	0.28"	0.60"	-	1/8"	0.43"	-	-	0.80	A	
		RF HSK-F063-EZ1/8"SSU-4.72"	F22	4.72"	3.70"	0.28"	0.68"	-	1/8"	0.43"	-	-	1.00	A	
		RF HSK-F063-EZ1/8"SSU-6.30"	F23	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.40	A	
		RF HSK-F063-EZ3/16"SSU-2.76"	F22	2.76"	1.73"	0.34"	0.54"	-	3/16"	0.55"	-	-	0.50	A	
		RF HSK-F063-EZ3/16"SSU-3.94"	F22	3.94"	2.91"	0.34"	0.66"	-	3/16"	0.55"	-	-	0.80	A	
		RF HSK-F063-EZ3/16"SSU-4.72"	F22	4.72"	3.70"	0.34"	0.74"	-	3/16"	0.55"	-	-	1.00	A	
		RF HSK-F063-EZ3/16"SSU-6.30"	F23	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.40	A	
		RF HSK-F063-EZ1/4"SSU-2.76"	F22	2.76"	1.73"	0.41"	0.61"	-	1/4"	0.91"	-	-	0.60	A	
		RF HSK-F063-EZ1/4"SSU-3.94"	F22	3.94"	2.91"	0.41"	0.73"	-	1/4"	0.91"	-	-	0.90	A	
		RF HSK-F063-EZ1/4"SSU-4.72"	F22	4.72"	3.70"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.10	A	
		RF HSK-F063-EZ1/4"SSU-6.30"	F23	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.50	A	
		RF HSK-F063-EZ5/16"SSU-2.76"	F22	2.76"	1.73"	0.47"	0.67"	-	5/16"	1.06"	1.69"	-	0.60	A	
		RF HSK-F063-EZ5/16"SSU-3.94"	F22	3.94"	2.91"	0.47"	0.79"	-	5/16"	1.06"	2.36"	-	0.90	A	
		RF HSK-F063-EZ5/16"SSU-4.72"	F22	4.72"	3.70"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	1.10	A	
		RF HSK-F063-EZ5/16"SSU-6.30"	F23	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	2.36"	-	1.50	A	
		RF HSK-F063-EZ3/8"SSU-2.76"	F22	2.76"	1.73"	0.53"	0.73"	-	3/8"	1.26"	1.69"	-	0.70	A	
		RF HSK-F063-EZ3/8"SSU-3.94"	F22	3.94"	2.91"	0.53"	0.85"	-	3/8"	1.26"	2.36"	-	1.00	A	
		RF HSK-F063-EZ3/8"SSU-4.72"	F22	4.72"	3.70"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.20	A	
		RF HSK-F063-EZ3/8"SSU-6.30"	F23	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	1.60	A	
		RF HSK-F063-EZ7/16"SSU-2.76"	F22	2.76"	1.73"	0.59"	0.79"	-	7/16"	1.26"	1.69"	-	0.70	A	
		RF HSK-F063-EZ7/16"SSU-3.94"	F22	3.94"	2.91"	0.59"	0.91"	-	7/16"	1.26"	2.36"	-	1.00	A	
		RF HSK-F063-EZ7/16"SSU-4.72"	F22	4.72"	3.70"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.20	A	
		RF HSK-F063-EZ7/16"SSU-6.30"	F23	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	1.60	A	
		RF HSK-F063-EZ1/2"SSU-2.76"	F22	2.76"	1.73"	0.66"	0.86"	-	1/2"	1.30"	1.69"	-	0.80	A	
		RF HSK-F063-EZ1/2"SSU-3.94"	F22	3.94"	2.91"	0.66"	0.98"	-	1/2"	1.46"	2.36"	-	1.10	A	
		RF HSK-F063-EZ1/2"SSU-4.72"	F22	4.72"	3.70"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.30	A	
		RF HSK-F063-EZ1/2"SSU-6.30"	F23	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	1.70	A	

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F063P-EZ03SS-070	FP20	70	44	9	14	-	3	11	-	-	0.50	C	
		RF HSK-F063P-EZ03SS-100	FP20	100	74	9	17	-	3	11	-	-	0.80	C	
		RF HSK-F063P-EZ03SS-120	FP20	120	94	9	19	-	3	11	-	-	1.00	C	
		RF HSK-F063P-EZ03SS-160	FP21	160	100	9	20	37	3	11	-	-	1.40	C	
		RF HSK-F063P-EZ04SS-070	FP20	70	44	10	15	-	4	14	-	-	0.50	C	
		RF HSK-F063P-EZ04SS-100	FP20	100	74	10	18	-	4	14	-	-	0.80	C	
		RF HSK-F063P-EZ04SS-120	FP20	120	94	10	20	-	4	14	-	-	1.00	C	
		RF HSK-F063P-EZ04SS-160	FP21	160	100	10	21	38	4	14	-	-	1.40	C	
		RF HSK-F063P-EZ05SS-070	FP20	70	44	11	16	-	5	17	-	-	0.50	C	
		RF HSK-F063P-EZ05SS-100	FP20	100	74	11	19	-	5	17	-	-	0.80	C	
		RF HSK-F063P-EZ05SS-120	FP20	120	94	11	21	-	5	17	-	-	1.00	C	
		RF HSK-F063P-EZ05SS-160	FP21	160	100	11	22	39	5	17	-	-	1.40	C	
		RF HSK-F063P-EZ06SS-070	FP20	70	44	12	17	-	6	23	-	-	0.60	C	
		RF HSK-F063P-EZ06SS-100	FP20	100	74	12	20	-	6	23	-	-	0.90	C	
		RF HSK-F063P-EZ06SS-120	FP20	120	94	12	22	-	6	23	-	-	1.10	C	
		RF HSK-F063P-EZ06SS-160	FP21	160	100	12	23	40	6	23	-	-	1.50	C	
		RF HSK-F063P-EZ08SS-070	FP20	70	44	14	19	-	8	27	43	-	0.60	C	
		RF HSK-F063P-EZ08SS-100	FP20	100	74	14	22	-	8	27	60	-	0.90	C	
		RF HSK-F063P-EZ08SS-120	FP20	120	94	14	24	-	8	27	60	-	1.10	C	
		RF HSK-F063P-EZ08SS-160	FP21	160	100	14	25	40	8	27	60	-	1.50	C	
		RF HSK-F063P-EZ10SS-070	FP20	70	44	16	21	-	10	32	43	-	0.70	C	
		RF HSK-F063P-EZ10SS-100	FP20	100	74	16	24	-	10	32	60	-	1.00	C	
		RF HSK-F063P-EZ10SS-120	FP20	120	94	16	26	-	10	32	60	-	1.20	C	
		RF HSK-F063P-EZ10SS-160	FP21	160	100	16	27	42	10	32	60	-	1.60	C	
		RF HSK-F063P-EZ12SS-070	FP20	70	44	18	23	-	12	33	43	-	0.70	C	
		RF HSK-F063P-EZ12SS-100	FP20	100	74	18	26	-	12	37	60	-	1.00	C	
		RF HSK-F063P-EZ12SS-120	FP20	120	94	18	28	-	12	37	60	-	1.20	C	
		RF HSK-F063P-EZ12SS-160	FP21	160	100	18	29	42	12	37	60	-	1.60	C	

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ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄

ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

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HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F063P-EZ03SSU-070	FP22	70	44	7	12	-	3	11	-	-	0.50	C	
		RF HSK-F063P-EZ03SSU-100	FP22	100	74	7	15	-	3	11	-	-	0.80	C	
		RF HSK-F063P-EZ03SSU-120	FP22	120	94	7	17	-	3	11	-	-	1.00	C	
		RF HSK-F063P-EZ03SSU-160	FP23	160	100	7	18	35	3	11	-	-	1.40	C	
		RF HSK-F063P-EZ04SSU-070	FP22	70	44	8	13	-	4	14	-	-	0.50	C	
		RF HSK-F063P-EZ04SSU-100	FP22	100	74	8	16	-	4	14	-	-	0.80	C	
		RF HSK-F063P-EZ04SSU-120	FP22	120	94	8	18	-	4	14	-	-	1.00	C	
		RF HSK-F063P-EZ04SSU-160	FP23	160	100	8	19	36	4	14	-	-	1.40	C	
		RF HSK-F063P-EZ05SSU-070	FP22	70	44	9	14	-	5	17	-	-	0.50	C	
		RF HSK-F063P-EZ05SSU-100	FP22	100	74	9	17	-	5	17	-	-	0.80	C	
		RF HSK-F063P-EZ05SSU-120	FP22	120	94	9	19	-	5	17	-	-	1.00	C	
		RF HSK-F063P-EZ05SSU-160	FP23	160	100	9	20	37	5	17	-	-	1.40	C	
		RF HSK-F063P-EZ06SSU-070	FP22	70	44	10	15	-	6	23	-	-	0.60	C	
		RF HSK-F063P-EZ06SSU-100	FP22	100	74	10	18	-	6	23	-	-	0.90	C	
		RF HSK-F063P-EZ06SSU-120	FP22	120	94	10	20	-	6	23	-	-	1.10	C	
		RF HSK-F063P-EZ06SSU-160	FP23	160	100	10	21	38	6	23	-	-	1.50	C	
		RF HSK-F063P-EZ08SSU-070	FP22	70	44	12	17	-	8	27	43	-	0.60	C	
		RF HSK-F063P-EZ08SSU-100	FP22	100	74	12	20	-	8	27	60	-	0.90	C	
		RF HSK-F063P-EZ08SSU-120	FP22	120	94	12	22	-	8	27	60	-	1.10	C	
		RF HSK-F063P-EZ08SSU-160	FP23	160	100	12	23	38	8	27	60	-	1.50	C	
		RF HSK-F063P-EZ10SSU-070	FP22	70	44	14	19	-	10	32	43	-	0.70	C	
		RF HSK-F063P-EZ10SSU-100	FP22	100	74	14	22	-	10	32	60	-	1.00	C	
		RF HSK-F063P-EZ10SSU-120	FP22	120	94	14	24	-	10	32	60	-	1.20	C	
		RF HSK-F063P-EZ10SSU-160	FP23	160	100	14	25	40	10	32	60	-	1.60	C	
		RF HSK-F063P-EZ12SSU-070	FP22	70	44	16	21	-	12	33	43	-	0.70	C	
		RF HSK-F063P-EZ12SSU-100	FP22	100	74	16	24	-	12	37	60	-	1.00	C	
		RF HSK-F063P-EZ12SSU-120	FP22	120	94	16	26	-	12	37	60	-	1.20	C	
		RF HSK-F063P-EZ12SSU-160	FP23	160	100	16	27	40	12	37	60	-	1.60	C	

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動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F080P-EZ03SS-080	FP20	80	54	9	15	-	3	11	-	-	1.30	C	
		RF HSK-F080P-EZ03SS-100	FP20	100	74	9	17	-	3	11	-	-	1.50	C	
		RF HSK-F080P-EZ03SS-120	FP20	120	94	9	19	-	3	11	-	-	1.70	C	
		RF HSK-F080P-EZ03SS-160	FP21	160	100	9	20	37	3	11	-	-	2.10	C	
		RF HSK-F080P-EZ04SS-080	FP20	80	54	10	16	-	4	14	-	-	1.30	C	
		RF HSK-F080P-EZ04SS-100	FP20	100	74	10	18	-	4	14	-	-	1.50	C	
		RF HSK-F080P-EZ04SS-120	FP20	120	94	10	20	-	4	14	-	-	1.70	C	
		RF HSK-F080P-EZ04SS-160	FP21	160	100	10	21	38	4	14	-	-	2.10	C	
		RF HSK-F080P-EZ05SS-080	FP20	80	54	11	17	-	5	17	-	-	1.30	C	
		RF HSK-F080P-EZ05SS-100	FP20	100	74	11	19	-	5	17	-	-	1.50	C	
		RF HSK-F080P-EZ05SS-120	FP20	120	94	11	21	-	5	17	-	-	1.70	C	
		RF HSK-F080P-EZ05SS-160	FP21	160	100	11	22	39	5	17	-	-	2.10	C	
		RF HSK-F080P-EZ06SS-080	FP20	80	54	12	18	-	6	23	-	-	1.40	C	
		RF HSK-F080P-EZ06SS-100	FP20	100	74	12	20	-	6	23	-	-	1.60	C	
		RF HSK-F080P-EZ06SS-120	FP20	120	94	12	22	-	6	23	-	-	1.80	C	
		RF HSK-F080P-EZ06SS-160	FP21	160	100	12	23	40	6	23	-	-	2.20	C	
		RF HSK-F080P-EZ08SS-080	FP20	80	54	14	20	-	8	27	-	-	1.40	C	
		RF HSK-F080P-EZ08SS-100	FP20	100	74	14	22	-	8	27	-	-	1.60	C	
		RF HSK-F080P-EZ08SS-120	FP20	120	94	14	24	-	8	27	-	-	1.80	C	
		RF HSK-F080P-EZ08SS-160	FP21	160	100	14	25	40	8	27	-	-	2.20	C	
		RF HSK-F080P-EZ10SS-080	FP20	80	54	16	22	-	10	32	48	-	1.50	C	
		RF HSK-F080P-EZ10SS-100	FP20	100	74	16	24	-	10	32	60	-	1.70	C	
		RF HSK-F080P-EZ10SS-120	FP20	120	94	16	26	-	10	32	60	-	1.90	C	
		RF HSK-F080P-EZ10SS-160	FP21	160	100	16	27	42	10	32	60	-	2.30	C	
		RF HSK-F080P-EZ12SS-080	FP20	80	54	18	24	-	12	37	48	-	1.50	C	
		RF HSK-F080P-EZ12SS-100	FP20	100	74	18	26	-	12	37	60	-	1.70	C	
		RF HSK-F080P-EZ12SS-120	FP20	120	94	18	28	-	12	37	60	-	1.90	C	
		RF HSK-F080P-EZ12SS-160	FP21	160	100	18	29	42	12	37	60	-	2.30	C	

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ezShrink EZSS & EZSSU // RF HSK-FP-EZSS & RF HSK-F-EZSSU

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F080P-EZ03SSU-080	FP22	80	54	7	13	-	3	11	-	-	1.30	C	
		RF HSK-F080P-EZ03SSU-100	FP22	100	74	7	15	-	3	11	-	-	1.50	C	
		RF HSK-F080P-EZ03SSU-120	FP22	120	94	7	17	-	3	11	-	-	1.70	C	
		RF HSK-F080P-EZ03SSU-160	FP23	160	100	7	18	35	3	11	-	-	2.10	C	
		RF HSK-F080P-EZ04SSU-080	FP22	80	54	8	14	-	4	14	-	-	1.30	C	
		RF HSK-F080P-EZ04SSU-100	FP22	100	74	8	16	-	4	14	-	-	1.50	C	
		RF HSK-F080P-EZ04SSU-120	FP22	120	94	8	18	-	4	14	-	-	1.70	C	
		RF HSK-F080P-EZ04SSU-160	FP23	160	100	8	19	36	4	14	-	-	2.10	C	
		RF HSK-F080P-EZ05SSU-080	FP22	80	54	9	15	-	5	17	-	-	1.30	C	
		RF HSK-F080P-EZ05SSU-100	FP22	100	74	9	17	-	5	17	-	-	1.50	C	
		RF HSK-F080P-EZ05SSU-120	FP22	120	94	9	19	-	5	17	-	-	1.70	C	
		RF HSK-F080P-EZ05SSU-160	FP23	160	100	9	20	37	5	17	-	-	2.10	C	
		RF HSK-F080P-EZ06SSU-080	FP22	80	54	10	16	-	6	23	-	-	1.40	C	
		RF HSK-F080P-EZ06SSU-100	FP22	100	74	10	18	-	6	23	-	-	1.60	C	
		RF HSK-F080P-EZ06SSU-120	FP22	120	94	10	20	-	6	23	-	-	1.80	C	
		RF HSK-F080P-EZ06SSU-160	FP23	160	100	10	21	38	6	23	-	-	2.20	C	
		RF HSK-F080P-EZ08SSU-080	FP22	80	54	12	18	-	8	27	-	-	1.40	C	
		RF HSK-F080P-EZ08SSU-100	FP22	100	74	12	20	-	8	27	-	-	1.60	C	
		RF HSK-F080P-EZ08SSU-120	FP22	120	94	12	22	-	8	27	-	-	1.80	C	
		RF HSK-F080P-EZ08SSU-160	FP23	160	100	12	23	38	8	27	-	-	2.20	C	
		RF HSK-F080P-EZ10SSU-080	FP22	80	54	14	20	-	10	32	48	-	1.50	C	
		RF HSK-F080P-EZ10SSU-100	FP22	100	74	14	22	-	10	32	60	-	1.70	C	
		RF HSK-F080P-EZ10SSU-120	FP22	120	94	14	24	-	10	32	60	-	1.90	C	
		RF HSK-F080P-EZ10SSU-160	FP23	160	100	14	25	40	10	32	60	-	2.30	C	
		RF HSK-F080P-EZ12SSU-080	FP22	80	54	16	22	-	12	37	48	-	1.50	C	
		RF HSK-F080P-EZ12SSU-100	FP22	100	74	16	24	-	12	37	60	-	1.70	C	
		RF HSK-F080P-EZ12SSU-120	FP22	120	94	16	26	-	12	37	60	-	1.90	C	
		RF HSK-F080P-EZ12SSU-160	FP23	160	100	16	27	40	12	37	60	-	2.30	C	

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動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F063P-EZ1/8"SS-2.76"	FP20	2.76"	1.73"	0.36"	0.56"	-	1/8"	0.43"	-	-	0.50	C	
		RF HSK-F063P-EZ1/8"SS-3.94"	FP20	3.94"	2.91"	0.36"	0.68"	-	1/8"	0.43"	-	-	0.80	C	
		RF HSK-F063P-EZ1/8"SS-4.72"	FP20	4.72"	3.70"	0.36"	0.76"	-	1/8"	0.43"	-	-	1.00	C	
		RF HSK-F063P-EZ1/8"SS-6.30"	FP21	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	1.40	C	
		RF HSK-F063P-EZ3/16"SS-2.76"	FP20	2.76"	1.73"	0.42"	0.62"	-	3/16"	0.55"	-	-	0.50	C	
		RF HSK-F063P-EZ3/16"SS-3.94"	FP20	3.94"	2.91"	0.42"	0.74"	-	3/16"	0.55"	-	-	0.80	C	
		RF HSK-F063P-EZ3/16"SS-4.72"	FP20	4.72"	3.70"	0.42"	0.82"	-	3/16"	0.55"	-	-	1.00	C	
		RF HSK-F063P-EZ3/16"SS-6.30"	FP21	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	1.40	C	
		RF HSK-F063P-EZ1/4"SS-2.76"	FP20	2.76"	1.73"	0.49"	0.69"	-	1/4"	0.91"	-	-	0.60	C	
		RF HSK-F063P-EZ1/4"SS-3.94"	FP20	3.94"	2.91"	0.49"	0.81"	-	1/4"	0.91"	-	-	0.90	C	
		RF HSK-F063P-EZ1/4"SS-4.72"	FP20	4.72"	3.70"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.10	C	
		RF HSK-F063P-EZ1/4"SS-6.30"	FP21	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	1.50	C	
		RF HSK-F063P-EZ5/16"SS-2.76"	FP20	2.76"	1.73"	0.55"	0.75"	-	5/16"	1.06"	1.69"	-	0.60	C	
		RF HSK-F063P-EZ5/16"SS-3.94"	FP20	3.94"	2.91"	0.55"	0.87"	-	5/16"	1.06"	2.36"	-	0.90	C	
		RF HSK-F063P-EZ5/16"SS-4.72"	FP20	4.72"	3.70"	0.55"	0.95"	-	5/16"	1.06"	2.36"	-	1.10	C	
		RF HSK-F063P-EZ5/16"SS-6.30"	FP21	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	2.36"	-	1.50	C	
		RF HSK-F063P-EZ3/8"SS-2.76"	FP20	2.76"	1.73"	0.61"	0.81"	-	3/8"	1.26"	1.69"	-	0.70	C	
		RF HSK-F063P-EZ3/8"SS-3.94"	FP20	3.94"	2.91"	0.61"	0.93"	-	3/8"	1.26"	2.36"	-	1.00	C	
		RF HSK-F063P-EZ3/8"SS-4.72"	FP20	4.72"	3.70"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.20	C	
		RF HSK-F063P-EZ3/8"SS-6.30"	FP21	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	1.60	C	
		RF HSK-F063P-EZ7/16"SS-2.76"	FP20	2.76"	1.73"	0.67"	0.87"	-	7/16"	1.26"	1.69"	-	0.70	C	
		RF HSK-F063P-EZ7/16"SS-3.94"	FP20	3.94"	2.91"	0.67"	0.99"	-	7/16"	1.26"	2.36"	-	1.00	C	
		RF HSK-F063P-EZ7/16"SS-4.72"	FP20	4.72"	3.70"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.20	C	
		RF HSK-F063P-EZ7/16"SS-6.30"	FP21	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	1.60	C	
		RF HSK-F063P-EZ1/2"SS-2.76"	FP20	2.76"	1.73"	0.74"	0.94"	-	1/2"	1.30"	1.69"	-	0.80	C	
		RF HSK-F063P-EZ1/2"SS-3.94"	FP20	3.94"	2.91"	0.74"	1.06"	-	1/2"	1.46"	2.36"	-	1.10	C	
		RF HSK-F063P-EZ1/2"SS-4.72"	FP20	4.72"	3.70"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	1.30	C	
		RF HSK-F063P-EZ1/2"SS-6.30"	FP21	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	1.70	C	

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ezShrink EZSS & EZSSU // RF HSK-FP-EZSS & RF HSK-F-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F063P-EZ1/8"SSU-2.76"	FP22	2.76"	1.73"	0.28"	0.48"	-	1/8"	0.43"	-	-	0.50	C	
		RF HSK-F063P-EZ1/8"SSU-3.94"	FP22	3.94"	2.91"	0.28"	0.60"	-	1/8"	0.43"	-	-	0.80	C	
		RF HSK-F063P-EZ1/8"SSU-4.72"	FP22	4.72"	3.70"	0.28"	0.68"	-	1/8"	0.43"	-	-	1.00	C	
		RF HSK-F063P-EZ1/8"SSU-6.30"	FP23	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	1.40	C	
		RF HSK-F063P-EZ3/16"SSU-2.76"	FP22	2.76"	1.73"	0.34"	0.54"	-	3/16"	0.55"	-	-	0.50	C	
		RF HSK-F063P-EZ3/16"SSU-3.94"	FP22	3.94"	2.91"	0.34"	0.66"	-	3/16"	0.55"	-	-	0.80	C	
		RF HSK-F063P-EZ3/16"SSU-4.72"	FP22	4.72"	3.70"	0.34"	0.74"	-	3/16"	0.55"	-	-	1.00	C	
		RF HSK-F063P-EZ3/16"SSU-6.30"	FP23	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	1.40	C	
		RF HSK-F063P-EZ1/4"SSU-2.76"	FP22	2.76"	1.73"	0.41"	0.61"	-	1/4"	0.91"	-	-	0.60	C	
		RF HSK-F063P-EZ1/4"SSU-3.94"	FP22	3.94"	2.91"	0.41"	0.73"	-	1/4"	0.91"	-	-	0.90	C	
		RF HSK-F063P-EZ1/4"SSU-4.72"	FP22	4.72"	3.70"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.10	C	
		RF HSK-F063P-EZ1/4"SSU-6.30"	FP23	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	1.50	C	
		RF HSK-F063P-EZ5/16"SSU-2.76"	FP22	2.76"	1.73"	0.47"	0.67"	-	5/16"	1.06"	1.69"	-	0.60	C	
		RF HSK-F063P-EZ5/16"SSU-3.94"	FP22	3.94"	2.91"	0.47"	0.79"	-	5/16"	1.06"	2.36"	-	0.90	C	
		RF HSK-F063P-EZ5/16"SSU-4.72"	FP22	4.72"	3.70"	0.47"	0.87"	-	5/16"	1.06"	2.36"	-	1.10	C	
		RF HSK-F063P-EZ5/16"SSU-6.30"	FP23	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	2.36"	-	1.50	C	
		RF HSK-F063P-EZ3/8"SSU-2.76"	FP22	2.76"	1.73"	0.53"	0.73"	-	3/8"	1.26"	1.69"	-	0.70	C	
		RF HSK-F063P-EZ3/8"SSU-3.94"	FP22	3.94"	2.91"	0.53"	0.85"	-	3/8"	1.26"	2.36"	-	1.00	C	
		RF HSK-F063P-EZ3/8"SSU-4.72"	FP22	4.72"	3.70"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.20	C	
		RF HSK-F063P-EZ3/8"SSU-6.30"	FP23	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	1.60	C	
		RF HSK-F063P-EZ7/16"SSU-2.76"	FP22	2.76"	1.73"	0.59"	0.79"	-	7/16"	1.26"	1.69"	-	0.70	C	
		RF HSK-F063P-EZ7/16"SSU-3.94"	FP22	3.94"	2.91"	0.59"	0.91"	-	7/16"	1.26"	2.36"	-	1.00	C	
		RF HSK-F063P-EZ7/16"SSU-4.72"	FP22	4.72"	3.70"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.20	C	
		RF HSK-F063P-EZ7/16"SSU-6.30"	FP23	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	1.60	C	
		RF HSK-F063P-EZ1/2"SSU-2.76"	FP22	2.76"	1.73"	0.66"	0.86"	-	1/2"	1.30"	1.69"	-	0.80	C	
		RF HSK-F063P-EZ1/2"SSU-3.94"	FP22	3.94"	2.91"	0.66"	0.98"	-	1/2"	1.46"	2.36"	-	1.10	C	
		RF HSK-F063P-EZ1/2"SSU-4.72"	FP22	4.72"	3.70"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	1.30	C	
		RF HSK-F063P-EZ1/2"SSU-6.30"	FP23	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	1.70	C	

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動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F080P-EZ1/8"SS-3.15"	FP20	3.15"	2.13"	0.36"	0.60"	-	1/8"	0.43"	-	-	1.30	C	
		RF HSK-F080P-EZ1/8"SS-3.94"	FP20	3.94"	2.91"	0.36"	0.68"	-	1/8"	0.43"	-	-	1.50	C	
		RF HSK-F080P-EZ1/8"SS-4.72"	FP20	4.72"	3.70"	0.36"	0.76"	-	1/8"	0.43"	-	-	1.70	C	
		RF HSK-F080P-EZ1/8"SS-6.30"	FP21	6.30"	3.94"	0.36"	0.80"	1.46"	1/8"	0.43"	-	-	2.10	C	
		RF HSK-F080P-EZ3/16"SS-3.15"	FP20	3.15"	2.13"	0.42"	0.66"	-	3/16"	0.55"	-	-	1.30	C	
		RF HSK-F080P-EZ3/16"SS-3.94"	FP20	3.94"	2.91"	0.42"	0.74"	-	3/16"	0.55"	-	-	1.50	C	
		RF HSK-F080P-EZ3/16"SS-4.72"	FP20	4.72"	3.70"	0.42"	0.82"	-	3/16"	0.55"	-	-	1.70	C	
		RF HSK-F080P-EZ3/16"SS-6.30"	FP21	6.30"	3.94"	0.42"	0.86"	1.50"	3/16"	0.55"	-	-	2.10	C	
		RF HSK-F080P-EZ1/4"SS-3.15"	FP20	3.15"	2.13"	0.49"	0.73"	-	1/4"	0.91"	-	-	1.40	C	
		RF HSK-F080P-EZ1/4"SS-3.94"	FP20	3.94"	2.91"	0.49"	0.81"	-	1/4"	0.91"	-	-	1.60	C	
		RF HSK-F080P-EZ1/4"SS-4.72"	FP20	4.72"	3.70"	0.49"	0.89"	-	1/4"	0.91"	-	-	1.80	C	
		RF HSK-F080P-EZ1/4"SS-6.30"	FP21	6.30"	3.94"	0.49"	0.93"	1.54"	1/4"	0.91"	-	-	2.20	C	
		RF HSK-F080P-EZ5/16"SS-3.15"	FP20	3.15"	2.13"	0.55"	0.79"	-	5/16"	1.06"	-	-	1.40	C	
		RF HSK-F080P-EZ5/16"SS-3.94"	FP20	3.94"	2.91"	0.55"	0.87"	-	5/16"	1.06"	-	-	1.60	C	
		RF HSK-F080P-EZ5/16"SS-4.72"	FP20	4.72"	3.70"	0.55"	0.95"	-	5/16"	1.06"	-	-	1.80	C	
		RF HSK-F080P-EZ5/16"SS-6.30"	FP21	6.30"	3.94"	0.55"	0.99"	1.58"	5/16"	1.06"	-	-	2.20	C	
		RF HSK-F080P-EZ3/8"SS-3.15"	FP20	3.15"	2.13"	0.61"	0.85"	-	3/8"	1.26"	1.89"	-	1.50	C	
		RF HSK-F080P-EZ3/8"SS-3.94"	FP20	3.94"	2.91"	0.61"	0.93"	-	3/8"	1.26"	2.36"	-	1.70	C	
		RF HSK-F080P-EZ3/8"SS-4.72"	FP20	4.72"	3.70"	0.61"	1.01"	-	3/8"	1.26"	2.36"	-	1.90	C	
		RF HSK-F080P-EZ3/8"SS-6.30"	FP21	6.30"	3.94"	0.61"	1.05"	1.58"	3/8"	1.26"	2.36"	-	2.30	C	
		RF HSK-F080P-EZ7/16"SS-3.15"	FP20	3.15"	2.13"	0.67"	0.91"	-	7/16"	1.26"	1.89"	-	1.50	C	
		RF HSK-F080P-EZ7/16"SS-3.94"	FP20	3.94"	2.91"	0.67"	0.99"	-	7/16"	1.26"	2.36"	-	1.70	C	
		RF HSK-F080P-EZ7/16"SS-4.72"	FP20	4.72"	3.70"	0.67"	1.07"	-	7/16"	1.26"	2.36"	-	1.90	C	
		RF HSK-F080P-EZ7/16"SS-6.30"	FP21	6.30"	3.94"	0.67"	1.11"	1.66"	7/16"	1.26"	2.36"	-	2.30	C	
		RF HSK-F080P-EZ1/2"SS-3.15"	FP20	3.15"	2.13"	0.74"	0.98"	-	1/2"	1.46"	1.89"	-	1.60	C	
		RF HSK-F080P-EZ1/2"SS-3.94"	FP20	3.94"	2.91"	0.74"	1.06"	-	1/2"	1.46"	2.36"	-	1.80	C	
		RF HSK-F080P-EZ1/2"SS-4.72"	FP20	4.72"	3.70"	0.74"	1.14"	-	1/2"	1.46"	2.36"	-	2.00	C	
		RF HSK-F080P-EZ1/2"SS-6.30"	FP21	6.30"	3.94"	0.74"	1.18"	1.66"	1/2"	1.46"	2.36"	-	2.40	C	

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ezShrink EZSS & EZSSU // RF HSK-FP-EZSS & RF HSK-F-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra RF防鏽鍍層超細型與極細型熱膨脹燒結刀柄-英制
ezShrink RF rustproof coating SlimSuper & SlimSuperUltra shrink fit chucks-inch

動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		RF HSK-F080P-EZ1/8"SSU-3.15"	FP22	3.15"	2.13"	0.28"	0.52"	-	1/8"	0.43"	-	-	1.30	C	
		RF HSK-F080P-EZ1/8"SSU-3.94"	FP22	3.94"	2.91"	0.28"	0.60"	-	1/8"	0.43"	-	-	1.50	C	
		RF HSK-F080P-EZ1/8"SSU-4.72"	FP22	4.72"	3.70"	0.28"	0.68"	-	1/8"	0.43"	-	-	1.70	C	
		RF HSK-F080P-EZ1/8"SSU-6.30"	FP23	6.30"	3.94"	0.28"	0.72"	1.38"	1/8"	0.43"	-	-	2.10	C	
		RF HSK-F080P-EZ3/16"SSU-3.15"	FP22	3.15"	2.13"	0.34"	0.58"	-	3/16"	0.55"	-	-	1.30	C	
		RF HSK-F080P-EZ3/16"SSU-3.94"	FP22	3.94"	2.91"	0.34"	0.66"	-	3/16"	0.55"	-	-	1.50	C	
		RF HSK-F080P-EZ3/16"SSU-4.72"	FP22	4.72"	3.70"	0.34"	0.74"	-	3/16"	0.55"	-	-	1.70	C	
		RF HSK-F080P-EZ3/16"SSU-6.30"	FP23	6.30"	3.94"	0.34"	0.78"	1.42"	3/16"	0.55"	-	-	2.10	C	
		RF HSK-F080P-EZ1/4"SSU-3.15"	FP22	3.15"	2.13"	0.41"	0.65"	-	1/4"	0.91"	-	-	1.40	C	
		RF HSK-F080P-EZ1/4"SSU-3.94"	FP22	3.94"	2.91"	0.41"	0.73"	-	1/4"	0.91"	-	-	1.60	C	
		RF HSK-F080P-EZ1/4"SSU-4.72"	FP22	4.72"	3.70"	0.41"	0.81"	-	1/4"	0.91"	-	-	1.80	C	
		RF HSK-F080P-EZ1/4"SSU-6.30"	FP23	6.30"	3.94"	0.41"	0.85"	1.46"	1/4"	0.91"	-	-	2.20	C	
		RF HSK-F080P-EZ5/16"SSU-3.15"	FP22	3.15"	2.13"	0.47"	0.71"	-	5/16"	1.06"	-	-	1.40	C	
		RF HSK-F080P-EZ5/16"SSU-3.94"	FP22	3.94"	2.91"	0.47"	0.79"	-	5/16"	1.06"	-	-	1.60	C	
		RF HSK-F080P-EZ5/16"SSU-4.72"	FP22	4.72"	3.70"	0.47"	0.87"	-	5/16"	1.06"	-	-	1.80	C	
		RF HSK-F080P-EZ5/16"SSU-6.30"	FP23	6.30"	3.94"	0.47"	0.91"	1.50"	5/16"	1.06"	-	-	2.20	C	
		RF HSK-F080P-EZ3/8"SSU-3.15"	FP22	3.15"	2.13"	0.53"	0.77"	-	3/8"	1.26"	1.89"	-	1.50	C	
		RF HSK-F080P-EZ3/8"SSU-3.94"	FP22	3.94"	2.91"	0.53"	0.85"	-	3/8"	1.26"	2.36"	-	1.70	C	
		RF HSK-F080P-EZ3/8"SSU-4.72"	FP22	4.72"	3.70"	0.53"	0.93"	-	3/8"	1.26"	2.36"	-	1.90	C	
		RF HSK-F080P-EZ3/8"SSU-6.30"	FP23	6.30"	3.94"	0.53"	0.97"	1.50"	3/8"	1.26"	2.36"	-	2.30	C	
		RF HSK-F080P-EZ7/16"SSU-3.15"	FP22	3.15"	2.13"	0.59"	0.83"	-	7/16"	1.26"	1.89"	-	1.50	C	
		RF HSK-F080P-EZ7/16"SSU-3.94"	FP22	3.94"	2.91"	0.59"	0.91"	-	7/16"	1.26"	2.36"	-	1.70	C	
		RF HSK-F080P-EZ7/16"SSU-4.72"	FP22	4.72"	3.70"	0.59"	0.99"	-	7/16"	1.26"	2.36"	-	1.90	C	
		RF HSK-F080P-EZ7/16"SSU-6.30"	FP23	6.30"	3.94"	0.59"	1.03"	1.58"	7/16"	1.26"	2.36"	-	2.30	C	
		RF HSK-F080P-EZ1/2"SSU-3.15"	FP22	3.15"	2.13"	0.66"	0.90"	-	1/2"	1.46"	1.89"	-	1.60	C	
		RF HSK-F080P-EZ1/2"SSU-3.94"	FP22	3.94"	2.91"	0.66"	0.98"	-	1/2"	1.46"	2.36"	-	1.80	C	
		RF HSK-F080P-EZ1/2"SSU-4.72"	FP22	4.72"	3.70"	0.66"	1.06"	-	1/2"	1.46"	2.36"	-	2.00	C	
		RF HSK-F080P-EZ1/2"SSU-6.30"	FP23	6.30"	3.94"	0.66"	1.10"	1.58"	1/2"	1.46"	2.36"	-	2.40	C	

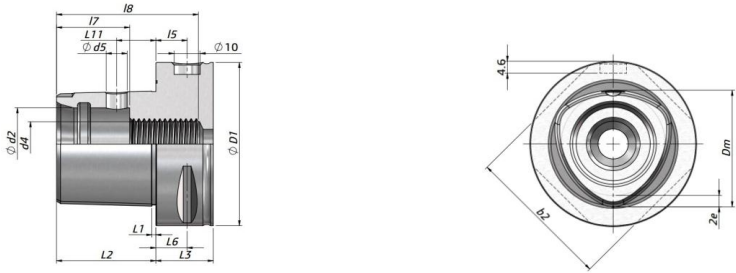
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ezShrink EZ // PSC

ezShrink EZ // PSC

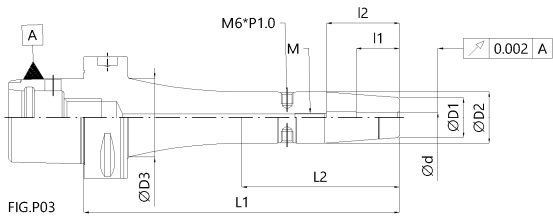
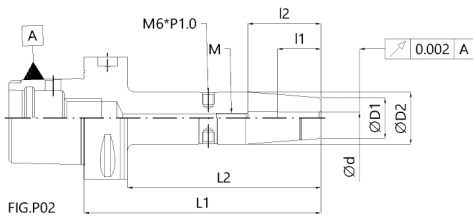
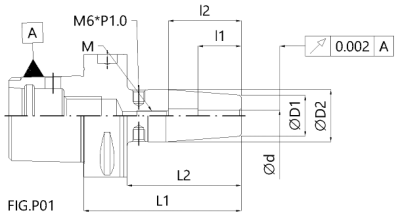
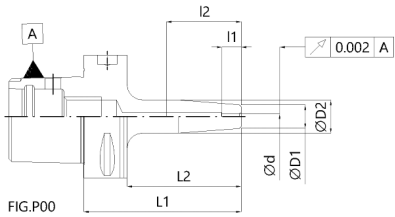
PSC is hollow polygon shank short taper toolholders
In 2008, ISO published it as norm ISO26623-1:2008
It is called PSC toolholders

PSC是三角中空短圓錐刀柄
2008年成為ISO規範ISO26623-1:2008
稱為PSC刀柄



CLAMPING FORCE	PSC032	PSC040	PSC050	PSC063	PSC080	PSC100
	-	-	32KN	41KN	50KN	70KN

TAPER	PSC032	PSC040	PSC050	PSC063	PSC080	PSC100
ØD1 +/-0.1	32	40	50	63	80	100
ØD2	15	18	21	28	32	43
d4	M12*P1.5	M14*P1.5	M16*P1.5	M20*P2.0	M20*P2.0	M24*P2.0
Ød5 +/-0.1	3.6	4.6	6.1	8.1	9.1	12.0
L1	2.5	2.5	3.0	3.0	3.0	3.0
L2 +/-0.1	19	24	30	38	48	60
L3 min.	15	20	20	22	30	36
L6 +/-0.15	6	8	10	12	12	16
l7 +/-0.15	13	15	20	27	28	40
l8 min.	25	30	37	47	48	70
L11 +/-0.1	8.0	11.5	14.0	15.5	25.0	26.5



動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		PSC040-EZ06-075	P01	75	55	21	27	-	6	23	37	M5*P0.8	0.60	G	
O		PSC040-EZ08-075	P01	75	55	21	27	-	8	27	37	M6*P1.0	0.60	G	
O		PSC040-EZ10-075	P01	75	55	24	32	-	10	32	42	M8*P1.0	0.70	G	
O		PSC040-EZ12-075	P01	75	55	24	32	-	12	37	48	M10*P1.0	0.70	G	
O		PSC040-EZ14-080	P01	80	60	27	34	-	14	37	48	M10*P1.0	0.80	G	
O		PSC040-EZ16-080	P01	80	60	27	34	-	16	40	51	M12*P1.0	0.80	G	
O		PSC040-EZ18-080	P01	80	60	33	41	-	18	40	51	M12*P1.0	0.90	G	
O		PSC040-EZ20-085	P01	85	65	33	41	-	20	42	53	M16*P1.0	1.00	G	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		PSC050-EZ06-075	P01	75	55	21	27	-	6	23	37	M5*P0.8	0.70	G	
O		PSC050-EZ08-075	P01	75	55	21	27	-	8	27	37	M6*P1.0	0.70	G	
O		PSC050-EZ10-075	P01	75	55	24	32	-	10	32	42	M8*P1.0	0.80	G	
O		PSC050-EZ12-075	P01	75	55	24	32	-	12	37	48	M10*P1.0	0.80	G	
O		PSC050-EZ14-080	P01	80	60	27	34	-	14	37	48	M10*P1.0	0.90	G	
O		PSC050-EZ16-080	P01	80	60	27	34	-	16	40	51	M12*P1.0	0.90	G	
O		PSC050-EZ18-080	P01	80	60	33	41	-	18	40	51	M12*P1.0	1.00	G	
O		PSC050-EZ20-085	P01	85	65	33	41	-	20	42	53	M16*P1.0	1.10	G	
O		PSC050-EZ25-090	P01	90	70	44	53	-	25	48	59	M16*P1.0	1.50	G	

產品FIG.P01 出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.P01 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

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HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink EZ // PSC-EZ

ezShrink 熱膨脹燒結刀柄
ezShrink shrink fit chucks

動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		PSC063-EZ03-080	P00	80	58	12	17	-	3	11	-	-	0.70	G	
		PSC063-EZ04-080	P00	80	58	12	17	-	4	14	-	-	0.70	G	
		PSC063-EZ05-080	P00	80	58	12	17	-	5	17	-	-	0.70	G	
O		PSC063-EZ06-080	P00	80	58	21	27	-	6	23	37	M5*P0.8	0.80	G	
O		PSC063-EZ06-120	P01	120	98	21	27	-	6	23	37	M5*P0.8	1.20	G	
O		PSC063-EZ06-160	P02	160	78	21	27	40	6	23	37	M5*P0.8	1.60	G	
O		PSC063-EZ08-080	P00	80	58	21	27	-	8	27	37	M6*P1.0	0.80	G	
O		PSC063-EZ08-120	P01	120	98	21	27	-	8	27	37	M6*P1.0	1.20	G	
O		PSC063-EZ08-160	P02	160	78	21	27	40	8	27	37	M6*P1.0	1.60	G	
O		PSC063-EZ10-080	P00	80	58	24	32	-	10	32	42	M8*P1.0	0.90	G	
O		PSC063-EZ10-120	P01	120	98	24	32	-	10	32	42	M8*P1.0	1.30	G	
O		PSC063-EZ10-160	P02	160	78	24	32	40	10	32	42	M8*P1.0	1.70	G	
O		PSC063-EZ12-080	P00	80	58	24	32	-	12	37	48	M10*P1.0	0.90	G	
O		PSC063-EZ12-120	P01	120	98	24	32	-	12	37	48	M10*P1.0	1.30	G	
O		PSC063-EZ12-160	P02	160	78	24	32	40	12	37	48	M10*P1.0	1.70	G	
O		PSC063-EZ14-085	P00	85	63	27	34	-	14	37	48	M10*P1.0	1.10	G	
O		PSC063-EZ14-120	P01	120	98	27	34	-	14	37	48	M10*P1.0	1.40	G	
O		PSC063-EZ14-160	P02	160	78	27	34	40	14	37	48	M10*P1.0	1.80	G	
O		PSC063-EZ16-085	P00	85	63	27	34	-	16	40	51	M12*P1.0	1.10	G	
O		PSC063-EZ16-120	P01	120	98	27	34	-	16	40	51	M12*P1.0	1.40	G	
O		PSC063-EZ16-160	P02	160	78	27	34	40	16	40	51	M12*P1.0	1.80	G	
O		PSC063-EZ18-085	P00	85	63	33	41	-	18	40	51	M12*P1.0	1.20	G	
O		PSC063-EZ18-120	P01	120	98	33	41	-	18	40	51	M12*P1.0	1.50	G	
O		PSC063-EZ18-160	P02	160	138	33	41	-	18	40	51	M12*P1.0	1.90	G	
O		PSC063-EZ20-085	P00	85	63	33	41	-	20	40	51	M16*P1.0	1.20	G	
O		PSC063-EZ20-120	P01	120	98	33	41	-	20	42	53	M16*P1.0	1.50	G	
O		PSC063-EZ20-160	P02	160	138	33	41	-	20	42	53	M16*P1.0	1.90	G	
O		PSC063-EZ25-090	P00	90	68	44	53	-	25	48	59	M16*P1.0	1.60	G	
O		PSC063-EZ25-120	P01	120	98	44	53	-	25	48	59	M16*P1.0	1.90	G	
O		PSC063-EZ25-160	P02	160	138	44	53	-	25	48	59	M16*P1.0	2.30	G	
O		PSC063-EZ32-095	P00	95	73	44	53	-	32	52	63	M16*P1.0	1.60	G	
O		PSC063-EZ32-120	P01	120	98	44	53	-	32	52	63	M16*P1.0	1.90	G	
O		PSC063-EZ32-160	P02	160	138	44	53	-	32	52	63	M16*P1.0	2.30	G	
HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
O		PSC080-EZ06-080	P01	80	50	21	27	-	6	23	37	M5*P0.8	1.40	G	
O		PSC080-EZ08-080	P01	80	50	21	27	-	8	27	37	M6*P1.0	1.40	G	
O		PSC080-EZ10-080	P01	80	50	24	32	-	10	32	42	M8*P1.0	1.50	G	
O		PSC080-EZ12-080	P01	80	50	24	32	-	12	37	48	M10*P1.0	1.50	G	
O		PSC080-EZ14-085	P01	85	55	27	34	-	14	37	48	M10*P1.0	1.70	G	
O		PSC080-EZ16-085	P01	85	55	27	34	-	16	40	51	M12*P1.0	1.70	G	
O		PSC080-EZ18-085	P01	85	55	33	41	-	18	40	51	M12*P1.0	1.80	G	
O		PSC080-EZ20-085	P01	85	55	33	41	-	20	42	53	M16*P1.0	1.80	G	
O		PSC080-EZ25-090	P01	90	60	44	53	-	25	48	59	M16*P1.0	2.20	G	
O		PSC080-EZ32-095	P01	95	65	44	53	-	32	52	63	M16*P1.0	2.20	G	

產品FIG.P01, P02 & P03出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.P01, P02 & P03 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

1. Tolerance of shank

Most makers produce it in h6
YAMAKEN produce it more precise than h5

1. 直柄的尺寸公差

一般廠商生產的多數是h6公差
山謙生產的低於h5公差

2. Roundness of shank

Most makers produce it in 0.001mm~0.003mm
YAMAKEN produce it in 0.0005mm~0.0010mm

2. 直柄的真圓度

一般廠商生產的是0.0010mm~0.0030mm
山謙生產的是0.0005~0.0010mm

3. Straightness of shank

Most makers produce it in 0.003mm~0.005mm@300mm
YAMAKEN produce it in 0.0010mm~0.0030mm@300mm

3. 直柄的真直度

一般廠商生產的是0.0030mm~0.0050mm@300mm長
山謙生產的是0.0010mm~0.0030mm@300mm長

4. Roughness of shank

Most makers produce it in Ra0.8~Ra0.4
YAMAKEN produce it under Ra0.2

4. 直柄的表面粗糙度

一般廠商生產的是Ra0.8~Ra0.4
山謙生產的是低於Ra0.2

5. Runout of the bore

Most makers produce it in 0.005mm~0.020mm
YAMAKEN produce it 0.003mm

5. 孔徑的偏擺

一般廠商生產的是0.005mm~0.020mm
山謙生產的是0.003mm

公制柄徑公差				英制柄徑公差			
Shank tolerance	h6	h5	YAMAKEN h5	Shank tolerance	h6	h5	YAMAKEN h5
3mm	0.000/-0.006	0.000/-0.004	-0.001/-0.004	1/8" 3.175mm	0.000/-0.008	0.000/-0.005	-0.002/-0.005
4mm	0.000/-0.008	0.000/-0.005	-0.002/-0.005	3/16" 4.7625mm	0.000/-0.008	0.000/-0.005	-0.002/-0.005
5mm	0.000/-0.008	0.000/-0.005	-0.002/-0.005	1/4" 6.35mm	0.000/-0.009	0.000/-0.006	-0.003/-0.006
6mm	0.000/-0.008	0.000/-0.005	-0.002/-0.005	5/16" 7.9375mm	0.000/-0.009	0.000/-0.006	-0.003/-0.006
8mm	0.000/-0.009	0.000/-0.006	-0.003/-0.006	3/8" 9.525mm	0.000/-0.009	0.000/-0.006	-0.003/-0.006
10mm	0.000/-0.009	0.000/-0.006	-0.003/-0.006	7/16" 11.125mm	0.000/-0.011	0.000/-0.008	-0.003/-0.008
12mm	0.000/-0.011	0.000/-0.008	-0.003/-0.008	1/2" 12.7mm	0.000/-0.011	0.000/-0.008	-0.003/-0.008
14mm	0.000/-0.011	0.000/-0.008	-0.003/-0.008	9/16" 14.2875mm	0.000/-0.011	0.000/-0.008	-0.003/-0.008
16mm	0.000/-0.011	0.000/-0.008	-0.003/-0.008	5/8" 15.875mm	0.000/-0.011	0.000/-0.008	-0.003/-0.008
18mm	0.000/-0.011	0.000/-0.008	-0.003/-0.008	11/16" 17.4625mm	0.000/-0.011	0.000/-0.008	-0.003/-0.008
20mm	0.000/-0.013	0.000/-0.009	-0.003/-0.009	3/4" 19.05mm	0.000/-0.013	0.000/-0.009	-0.003/-0.009
22mm	0.000/-0.013	0.000/-0.009	-0.003/-0.009	13/16" 20.6375mm	0.000/-0.013	0.000/-0.009	-0.003/-0.009
25mm	0.000/-0.013	0.000/-0.009	-0.003/-0.009	7/8" 22.225mm	0.000/-0.013	0.000/-0.009	-0.003/-0.009
32mm	0.000/-0.016	0.000/-0.011	-0.003/-0.011	15/16" 23.8125mm	0.000/-0.013	0.000/-0.009	-0.003/-0.009
40mm	0.000/-0.016	0.000/-0.011	-0.003/-0.011	1" 25.4mm	0.000/-0.013	0.000/-0.009	-0.003/-0.009
42mm	0.000/-0.016	0.000/-0.011	-0.003/-0.011	1 1/4" 31.75mm	0.000/-0.016	0.000/-0.011	-0.003/-0.011

ezShrink 熱膨脹燒結刀柄種類:

Type of ezshrink shrink fit chucks:

S-EZS / ezShrink Slim

S-EZSKK / ezShrink Slim+ezKool

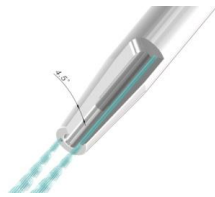
S-EZSB / ezShrink Slim + backup screw

ezShrink 熱膨脹燒結刀柄種類:

Type of ezshrink shrink fit chucks:



EZS=4.5度斜角細型
EZS=4.5° Slim



EZSKK=4.5度斜角鼻端出水細型
EZSKK=4.5° Slim with coolant through nose



EZSB=4.5度斜角細型+止動螺絲
EZS=4.5° slim type with backup screw

S-EZSR / ezShrink SlimRegular

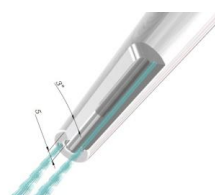
S-EZSRKK / ezShrink SlimRegular+ezKool

S-EZSS / ezShrink SlimSuper

S-EZSSU / ezShrink SlimSuperUltra



EZSR=3度斜角細型
EZSR=3° SlimRegular



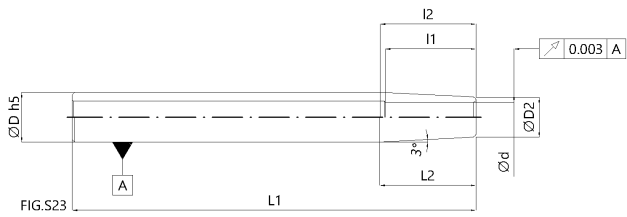
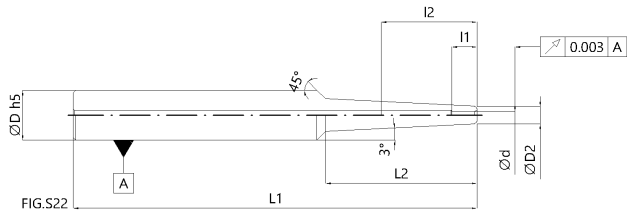
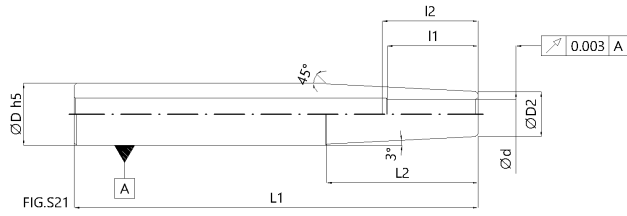
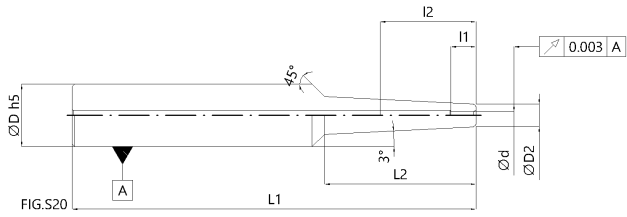
EZSRKK=3度斜角鼻端出水細型
EZSRKK=3° SlimRegular with coolant through nose



EZSS=3度斜角超細型(3mm)
EZSS=3° SlimSuper(3mm)



EZSSU=3度斜角極細型(2mm)
EZSSU=3° SlimSuperUltra(2mm)



HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎	S12-EZ03SSU-120	S22	120	40	12	7	11	3	11	-	-	0.15	A	
◎	S12-EZ03SSU-160	S23	160	50	12	7	-	3	11	-	-	0.20	A	
◎	S12-EZ04SSU-120	S23	120	40	12	8	-	4	14	-	-	0.15	A	
◎	S12-EZ04SSU-160	S23	160	40	12	8	-	4	14	-	-	0.20	A	
◎	S12-EZ05SSU-120	S23	120	30	12	9	-	5	17	-	-	0.15	A	
◎	S12-EZ05SSU-160	S23	160	30	12	9	-	5	17	-	-	0.20	A	
◎	S12-EZ06SSU-120	S23	120	20	12	10	-	6	23	-	-	0.15	A	
◎	S12-EZ06SSU-160	S23	160	20	12	10	-	6	23	-	-	0.20	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎	S16-EZ03SSU-120	S22	120	40	16	7	11	3	11	-	-	0.20	A	
◎	S16-EZ03SSU-160	S22	160	60	16	7	13	3	11	-	-	0.30	A	
◎	S16-EZ03SSU-200	S22	200	80	16	7	15	3	11	-	-	0.40	A	
◎	S16-EZ04SSU-120	S22	120	40	16	8	12	4	14	-	-	0.20	A	
◎	S16-EZ04SSU-160	S22	160	60	16	8	14	4	14	-	-	0.30	A	
◎	S16-EZ04SSU-200	S23	200	80	16	8	-	4	14	-	-	0.40	A	
◎	S16-EZ05SSU-120	S22	120	40	16	9	13	5	17	-	-	0.20	A	
◎	S16-EZ05SSU-160	S22	160	60	16	9	15	5	17	-	-	0.30	A	
◎	S16-EZ05SSU-200	S23	200	70	16	9	-	5	17	-	-	0.40	A	
◎	S16-EZ06SSU-120	S22	120	40	16	10	14	6	23	-	-	0.20	A	
◎	S16-EZ06SSU-160	S23	160	60	16	10	-	6	23	-	-	0.30	A	
◎	S16-EZ06SSU-200	S23	200	60	16	10	-	6	23	-	-	0.40	A	
◎	S16-EZ08SSU-120	S23	120	40	16	12	-	8	27	-	-	0.20	A	
◎	S16-EZ08SSU-160	S23	160	40	16	12	-	8	27	-	-	0.30	A	
◎	S16-EZ08SSU-200	S23	200	40	16	12	-	8	27	-	-	0.40	A	
◎	S16-EZ10SSU-120	S23	120	20	16	14	-	10	32	-	-	0.20	A	
◎	S16-EZ10SSU-160	S23	160	20	16	14	-	10	32	-	-	0.30	A	
◎	S16-EZ10SSU-200	S23	200	20	16	14	-	10	32	-	-	0.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
◎	S20-EZ03SSU-160	S22	160	60	20	7	13	3	11	-	-	0.40	A	
◎	S20-EZ03SSU-200	S22	200	80	20	7	15	3	11	-	-	0.50	A	
◎	S20-EZ03SSU-300	S22	300	100	20	7	17	3	11	-	-	0.70	A	
◎	S20-EZ04SSU-160	S22	160	60	20	8	14	4	14	-	-	0.40	A	
◎	S20-EZ04SSU-200	S22	200	80	20	8	16	4	14	-	-	0.50	A	
◎	S20-EZ04SSU-300	S22	300	100	20	8	18	4	14	-	-	0.70	A	
◎	S20-EZ05SSU-160	S22	160	60	20	9	15	5	17	-	-	0.40	A	
◎	S20-EZ05SSU-200	S22	200	80	20	9	17	5	17	-	-	0.50	A	
◎	S20-EZ05SSU-300	S22	300	100	20	9	19	5	17	-	-	0.70	A	
◎	S20-EZ06SSU-160	S22	160	60	20	10	16	6	23	-	-	0.40	A	
◎	S20-EZ06SSU-200	S22	200	80	20	10	18	6	23	-	-	0.50	A	
◎	S20-EZ06SSU-300	S23	300	100	20	10	-	6	23	-	-	0.70	A	
◎	S20-EZ08SSU-160	S22	160	60	20	12	18	8	27	-	-	0.40	A	
◎	S20-EZ08SSU-200	S23	200	80	20	12	-	8	27	-	-	0.50	A	
◎	S20-EZ08SSU-300	S23	300	80	20	12	-	8	27	-	-	0.70	A	
◎	S20-EZ10SSU-160	S23	160	60	20	14	-	10	32	-	-	0.40	A	
◎	S20-EZ10SSU-200	S23	200	60	20	14	-	10	32	-	-	0.50	A	
◎	S20-EZ10SSU-300	S23	300	60	20	14	-	10	32	-	-	0.70	A	
◎	S20-EZ12SSU-160	S23	160	40	20	16	-	12	37	-	-	0.40	A	
◎	S20-EZ12SSU-200	S23	200	40	20	16	-	12	37	-	-	0.50	A	
◎	S20-EZ12SSU-300	S23	300	40	20	16	-	12	37	-	-	0.70	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink EZSS & EZSSU // S-EZSS & S-EZSSU

ezShrink SlimSuper & SlimSuperUltra 超細型與極細型熱膨脹燒結刀柄延長桿
ezShrink SlimSuper & SlimSuperUltra shrink fit extensions

HSS	STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	◎	S25-EZ03SS-160	S20	160	60	25	9	15	3	11	-	-	0.60	A	
	◎	S25-EZ03SS-200	S20	200	80	25	9	17	3	11	-	-	0.70	A	
	◎	S25-EZ03SS-300	S20	300	100	25	9	19	3	11	-	-	1.00	A	
	◎	S25-EZ04SS-160	S20	160	60	25	10	16	4	14	-	-	0.60	A	
	◎	S25-EZ04SS-200	S20	200	80	25	10	18	4	14	-	-	0.70	A	
	◎	S25-EZ04SS-300	S20	300	100	25	10	20	4	14	-	-	1.00	A	
	◎	S25-EZ05SS-160	S20	160	60	25	11	17	5	17	-	-	0.60	A	
	◎	S25-EZ05SS-200	S20	200	80	25	11	19	5	17	-	-	0.70	A	
	◎	S25-EZ05SS-300	S20	300	100	25	11	21	5	17	-	-	1.00	A	
	◎	S25-EZ06SS-160	S20	160	60	25	12	18	6	23	-	-	0.60	A	
	◎	S25-EZ06SS-200	S20	200	80	25	12	20	6	23	-	-	0.70	A	
	◎	S25-EZ06SS-300	S20	300	100	25	12	22	6	23	-	-	1.00	A	
	◎	S25-EZ08SS-160	S20	160	60	25	14	20	8	27	-	-	0.60	A	
	◎	S25-EZ08SS-200	S20	200	80	25	14	22	8	27	-	-	0.70	A	
	◎	S25-EZ08SS-300	S20	300	100	25	14	24	8	27	-	-	1.00	A	
	◎	S25-EZ10SS-160	S20	160	60	25	16	22	10	32	-	-	0.60	A	
	◎	S25-EZ10SS-200	S20	200	80	25	16	24	10	32	-	-	0.70	A	
	◎	S25-EZ10SS-300	S21	300	90	25	16	-	10	32	-	-	1.00	A	
	◎	S25-EZ12SS-160	S20	160	60	25	18	24	12	37	-	-	0.60	A	
	◎	S25-EZ12SS-200	S21	200	70	25	18	-	12	37	-	-	0.70	A	
	◎	S25-EZ12SS-300	S21	300	70	25	18	-	12	37	-	-	1.00	A	
	◎	S25-EZ14SS-160	S21	160	50	25	20	-	14	37	-	-	0.60	A	
	◎	S25-EZ14SS-200	S21	200	50	25	20	-	14	37	-	-	0.70	A	
	◎	S25-EZ14SS-300	S21	300	50	25	20	-	14	37	-	-	1.00	A	
	◎	S25-EZ16SS-160	S21	160	30	25	22	-	16	40	-	-	0.60	A	
	◎	S25-EZ16SS-200	S21	200	30	25	22	-	16	40	-	-	0.70	A	
	◎	S25-EZ16SS-300	S21	300	30	25	22	-	16	40	-	-	1.00	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	◎	S32-EZ06SS-160	S20	160	60	32	12	18	6	23	-	-	1.00	A	
	◎	S32-EZ06SS-200	S20	200	80	32	12	20	6	23	-	-	1.20	A	
	◎	S32-EZ06SS-300	S20	300	100	32	12	22	6	23	-	-	1.60	A	
	◎	S32-EZ08SS-160	S20	160	60	32	14	20	8	27	-	-	1.00	A	
	◎	S32-EZ08SS-200	S20	200	80	32	14	22	8	27	-	-	1.20	A	
	◎	S32-EZ08SS-300	S20	300	100	32	14	24	8	27	-	-	1.60	A	
	◎	S32-EZ10SS-160	S20	160	60	32	16	22	10	32	-	-	1.00	A	
	◎	S32-EZ10SS-200	S20	200	80	32	16	24	10	32	-	-	1.20	A	
	◎	S32-EZ10SS-300	S20	300	100	32	16	26	10	32	-	-	1.60	A	
	◎	S32-EZ12SS-160	S20	160	60	32	18	24	12	37	-	-	1.00	A	
	◎	S32-EZ12SS-200	S20	200	80	32	18	26	12	37	-	-	1.20	A	
	◎	S32-EZ12SS-300	S20	300	100	32	18	28	12	37	-	-	1.60	A	
	◎	S32-EZ14SS-160	S20	160	60	32	20	26	14	37	-	-	1.00	A	
	◎	S32-EZ14SS-200	S20	200	80	32	20	28	14	37	-	-	1.20	A	
	◎	S32-EZ14SS-300	S20	300	100	32	20	30	14	37	-	-	1.60	A	
	◎	S32-EZ16SS-160	S20	160	60	32	22	28	16	40	-	-	1.00	A	
	◎	S32-EZ16SS-200	S20	200	80	32	22	30	16	40	-	-	1.20	A	
	◎	S32-EZ16SS-300	S21	300	100	32	22	-	16	40	-	-	1.60	A	
	◎	S32-EZ18SS-160	S20	160	60	32	24	30	18	40	-	-	1.00	A	
	◎	S32-EZ18SS-200	S21	200	80	32	24	-	18	40	-	-	1.20	A	
	◎	S32-EZ18SS-300	S21	300	80	32	24	-	18	40	-	-	1.60	A	
	◎	S32-EZ20SS-160	S21	160	60	32	26	-	20	42	-	-	1.00	A	
	◎	S32-EZ20SS-200	S21	200	60	32	26	-	20	42	-	-	1.20	A	
	◎	S32-EZ20SS-300	S21	300	60	32	26	-	20	42	-	-	1.60	A	

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HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	S1/2"-EZ1/8"SSU-4.72"	S22	4.72"	1.57"	1/2"	0.28"	0.44"	1/8"	0.43"	-	-	0.15	A	
	S1/2"-EZ1/8"SSU-6.30"	S23	6.30"	2.36"	1/2"	0.28"	-	1/8"	0.43"	-	-	0.20	A	
	S1/2"-EZ3/16"SSU-4.72"	S23	4.72"	1.57"	1/2"	0.34"	-	3/16"	0.55"	-	-	0.15	A	
	S1/2"-EZ3/16"SSU-6.30"	S23	6.30"	1.57"	1/2"	0.34"	-	3/16"	0.55"	-	-	0.20	A	
	S1/2"-EZ1/4"SSU-4.72"	S23	4.72"	0.79"	1/2"	0.41"	-	1/4"	0.91"	-	-	0.15	A	
	S1/2"-EZ1/4"SSU-6.30"	S23	6.30"	0.79"	1/2"	0.41"	-	1/4"	0.91"	-	-	0.20	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	S5/8"-EZ1/8"SSU-4.72"	S22	4.72"	1.57"	5/8"	0.28"	0.44"	1/8"	0.43"	-	-	0.20	A	
	S5/8"-EZ1/8"SSU-6.30"	S22	6.30"	2.36"	5/8"	0.28"	0.52"	1/8"	0.43"	-	-	0.30	A	
	S5/8"-EZ1/8"SSU-7.87"	S22	7.87"	3.15"	5/8"	0.28"	0.60"	1/8"	0.43"	-	-	0.40	A	
	S5/8"-EZ3/16"SSU-4.72"	S22	4.72"	1.57"	5/8"	0.34"	0.50"	3/16"	0.55"	-	-	0.20	A	
	S5/8"-EZ3/16"SSU-6.30"	S22	6.30"	2.36"	5/8"	0.34"	0.58"	3/16"	0.55"	-	-	0.30	A	
	S5/8"-EZ3/16"SSU-7.87"	S23	7.87"	2.75"	5/8"	0.34"	-	3/16"	0.55"	-	-	0.40	A	
	S5/8"-EZ1/4"SSU-4.72"	S22	4.72"	1.57"	5/8"	0.41"	0.57"	1/4"	0.91"	-	-	0.20	A	
	S5/8"-EZ1/4"SSU-6.30"	S23	6.30"	1.97"	5/8"	0.41"	-	1/4"	0.91"	-	-	0.30	A	
	S5/8"-EZ1/4"SSU-7.87"	S23	7.87"	1.97"	5/8"	0.41"	-	1/4"	0.91"	-	-	0.40	A	
	S5/8"-EZ5/16"SSU-4.72"	S23	4.72"	1.57"	5/8"	0.47"	-	5/16"	1.06"	-	-	0.20	A	
	S5/8"-EZ5/16"SSU-6.30"	S23	6.30"	1.57"	5/8"	0.47"	-	5/16"	1.06"	-	-	0.30	A	
	S5/8"-EZ5/16"SSU-7.87"	S23	7.87"	1.57"	5/8"	0.47"	-	5/16"	1.06"	-	-	0.40	A	
	S5/8"-EZ3/8"SSU-4.72"	S23	4.72"	0.79"	5/8"	0.53"	-	3/8"	1.26"	-	-	0.20	A	
	S5/8"-EZ3/8"SSU-6.30"	S23	6.30"	0.79"	5/8"	0.53"	-	3/8"	1.26"	-	-	0.30	A	
	S5/8"-EZ3/8"SSU-7.87"	S23	7.87"	0.79"	5/8"	0.53"	-	3/8"	1.26"	-	-	0.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	S3/4"-EZ1/8"SSU-6.30"	S22	6.30"	2.36"	3/4"	0.28"	0.52"	1/8"	0.43"	-	-	0.40	A	
	S3/4"-EZ1/8"SSU-7.87"	S22	7.87"	3.15"	3/4"	0.28"	0.60"	1/8"	0.43"	-	-	0.50	A	
	S3/4"-EZ1/8"SSU-11.81"	S22	11.81"	3.94"	3/4"	0.28"	0.68"	1/8"	0.43"	-	-	0.70	A	
	S3/4"-EZ3/16"SSU-6.30"	S22	6.30"	2.36"	3/4"	0.34"	0.58"	3/16"	0.55"	-	-	0.40	A	
	S3/4"-EZ3/16"SSU-7.87"	S22	7.87"	3.15"	3/4"	0.34"	0.66"	3/16"	0.55"	-	-	0.50	A	
	S3/4"-EZ3/16"SSU-11.81"	S23	11.81"	3.94"	3/4"	0.34"	-	3/16"	0.55"	-	-	0.70	A	
	S3/4"-EZ1/4"SSU-6.30"	S22	6.30"	2.36"	3/4"	0.41"	0.65"	1/4"	0.91"	-	-	0.40	A	
	S3/4"-EZ1/4"SSU-7.87"	S22	7.87"	3.15"	3/4"	0.41"	0.73"	1/4"	0.91"	-	-	0.50	A	
	S3/4"-EZ1/4"SSU-11.81"	S23	11.81"	3.15"	3/4"	0.41"	-	1/4"	0.91"	-	-	0.70	A	
	S3/4"-EZ5/16"SSU-6.30"	S22	6.30"	2.36"	3/4"	0.47"	0.71"	5/16"	1.06"	-	-	0.40	A	
	S3/4"-EZ5/16"SSU-7.87"	S23	7.87"	2.75"	3/4"	0.47"	-	5/16"	1.06"	-	-	0.50	A	
	S3/4"-EZ5/16"SSU-11.81"	S23	11.81"	2.75"	3/4"	0.47"	-	5/16"	1.06"	-	-	0.70	A	
	S3/4"-EZ3/8"SSU-6.30"	S23	6.30"	1.97"	3/4"	0.53"	-	3/8"	1.26"	-	-	0.40	A	
	S3/4"-EZ3/8"SSU-7.87"	S23	7.87"	1.97"	3/4"	0.53"	-	3/8"	1.26"	-	-	0.50	A	
	S3/4"-EZ3/8"SSU-11.81"	S23	11.81"	1.97"	3/4"	0.53"	-	3/8"	1.26"	-	-	0.70	A	
	S3/4"-EZ7/16"SSU-6.30"	S23	6.30"	1.57"	3/4"	0.59"	-	7/16"	1.26"	-	-	0.40	A	
	S3/4"-EZ7/16"SSU-7.87"	S23	7.87"	1.57"	3/4"	0.59"	-	7/16"	1.26"	-	-	0.50	A	
	S3/4"-EZ7/16"SSU-11.81"	S23	11.81"	1.57"	3/4"	0.59"	-	7/16"	1.26"	-	-	0.70	A	
	S3/4"-EZ1/2"SSU-6.30"	S23	6.30"	0.79"	3/4"	0.66"	-	1/2"	1.46"	-	-	0.40	A	
	S3/4"-EZ1/2"SSU-7.87"	S23	7.87"	0.79"	3/4"	0.66"	-	1/2"	1.46"	-	-	0.50	A	
	S3/4"-EZ1/2"SSU-11.81"	S23	11.81"	0.79"	3/4"	0.66"	-	1/2"	1.46"	-	-	0.70	A	

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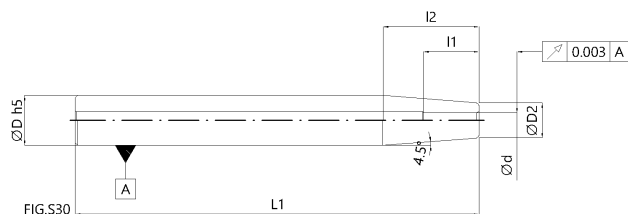
HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink EZSS & EZSSU // S-EZSS & S-EZSSU inch

ezShrink SlimSuper & SlimSuperUltra 超細型與極細型熱膨脹燒結刀柄延長桿-英制
ezShrink SlimSuper & SlimSuperUltra shrink fit extensions-inch

HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	S1"-EZ1/8"SS-6.30"	S20	6.30"	2.36"	1"	0.36"	0.60"	1/8"	0.43"	-	-	0.60	A	
	S1"-EZ1/8"SS-7.87"	S20	7.87"	3.15"	1"	0.36"	0.68"	1/8"	0.43"	-	-	0.70	A	
	S1"-EZ1/8"SS-11.81"	S20	11.81"	3.94"	1"	0.36"	0.76"	1/8"	0.43"	-	-	1.00	A	
	S1"-EZ3/16"SS-6.30"	S20	6.30"	2.36"	1"	0.42"	0.66"	3/16"	0.55"	-	-	0.60	A	
	S1"-EZ3/16"SS-7.87"	S20	7.87"	3.15"	1"	0.42"	0.74"	3/16"	0.55"	-	-	0.70	A	
	S1"-EZ3/16"SS-11.81"	S20	11.81"	3.94"	1"	0.42"	0.82"	3/16"	0.55"	-	-	1.00	A	
	S1"-EZ1/4"SS-6.30"	S20	6.30"	2.36"	1"	0.49"	0.73"	1/4"	0.91"	-	-	0.60	A	
	S1"-EZ1/4"SS-7.87"	S20	7.87"	3.15"	1"	0.49"	0.81"	1/4"	0.91"	-	-	0.70	A	
	S1"-EZ1/4"SS-11.81"	S20	11.81"	3.94"	1"	0.49"	0.89"	1/4"	0.91"	-	-	1.00	A	
	S1"-EZ5/16"SS-6.30"	S20	6.30"	2.36"	1"	0.55"	0.79"	5/16"	1.06"	-	-	0.60	A	
	S1"-EZ5/16"SS-7.87"	S20	7.87"	3.15"	1"	0.55"	0.87"	5/16"	1.06"	-	-	0.70	A	
	S1"-EZ5/16"SS-11.81"	S20	11.81"	3.94"	1"	0.55"	0.95"	5/16"	1.06"	-	-	1.00	A	
	S1"-EZ3/8"SS-6.30"	S20	6.30"	2.36"	1"	0.61"	0.85"	3/8"	1.26"	-	-	0.60	A	
	S1"-EZ3/8"SS-7.87"	S20	7.87"	3.15"	1"	0.61"	0.93"	3/8"	1.26"	-	-	0.70	A	
	S1"-EZ3/8"SS-11.81"	S21	11.81"	3.94"	1"	0.61"	-	3/8"	1.26"	-	-	1.00	A	
	S1"-EZ7/16"SS-6.30"	S20	6.30"	2.36"	1"	0.67"	0.91"	7/16"	1.26"	-	-	0.60	A	
	S1"-EZ7/16"SS-7.87"	S21	7.87"	3.15"	1"	0.67"	-	7/16"	1.26"	-	-	0.70	A	
	S1"-EZ7/16"SS-11.81"	S21	11.81"	3.15"	1"	0.67"	-	7/16"	1.26"	-	-	1.00	A	
	S1"-EZ1/2"SS-6.30"	S20	6.30"	2.36"	1"	0.74"	0.98"	1/2"	1.46"	-	-	0.60	A	
	S1"-EZ1/2"SS-7.87"	S21	7.87"	2.36"	1"	0.74"	-	1/2"	1.46"	-	-	0.70	A	
	S1"-EZ1/2"SS-11.81"	S21	11.81"	2.36"	1"	0.74"	-	1/2"	1.46"	-	-	1.00	A	
	S1"-EZ5/8"SS-6.30"	S21	6.30"	1.18"	1"	0.86"	-	5/8"	1.57"	-	-	0.60	A	
	S1"-EZ5/8"SS-7.87"	S21	7.87"	1.18"	1"	0.86"	-	5/8"	1.57"	-	-	0.70	A	
	S1"-EZ5/8"SS-11.81"	S21	11.81"	1.18"	1"	0.86"	-	5/8"	1.57"	-	-	1.00	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	S1 1/4"-EZ1/4"SS-6.30"	S20	6.30"	2.36"	1 1/4"	0.49"	0.73"	1/4"	0.91"	-	-	1.00	A	
	S1 1/4"-EZ1/4"SS-7.87"	S20	7.87"	3.15"	1 1/4"	0.49"	0.81"	1/4"	0.91"	-	-	1.20	A	
	S1 1/4"-EZ1/4"SS-11.81"	S20	11.81"	3.94"	1 1/4"	0.49"	0.89"	1/4"	0.91"	-	-	1.60	A	
	S1 1/4"-EZ5/16"SS-6.30"	S20	6.30"	2.36"	1 1/4"	0.55"	0.79"	5/16"	1.06"	-	-	1.00	A	
	S1 1/4"-EZ5/16"SS-7.87"	S20	7.87"	3.15"	1 1/4"	0.55"	0.87"	5/16"	1.06"	-	-	1.20	A	
	S1 1/4"-EZ5/16"SS-11.81"	S20	11.81"	3.94"	1 1/4"	0.55"	0.95"	5/16"	1.06"	-	-	1.60	A	
	S1 1/4"-EZ3/8"SS-6.30"	S20	6.30"	2.36"	1 1/4"	0.61"	0.85"	3/8"	1.26"	-	-	1.00	A	
	S1 1/4"-EZ3/8"SS-7.87"	S20	7.87"	3.15"	1 1/4"	0.61"	0.93"	3/8"	1.26"	-	-	1.20	A	
	S1 1/4"-EZ3/8"SS-11.81"	S20	11.81"	3.94"	1 1/4"	0.61"	1.01"	3/8"	1.26"	-	-	1.60	A	
	S1 1/4"-EZ7/16"SS-6.30"	S20	6.30"	2.36"	1 1/4"	0.67"	0.91"	7/16"	1.26"	-	-	1.00	A	
	S1 1/4"-EZ7/16"SS-7.87"	S20	7.87"	3.15"	1 1/4"	0.67"	0.99"	7/16"	1.26"	-	-	1.20	A	
	S1 1/4"-EZ7/16"SS-11.81"	S20	11.81"	3.94"	1 1/4"	0.67"	1.07"	7/16"	1.26"	-	-	1.60	A	
	S1 1/4"-EZ1/2"SS-6.30"	S20	6.30"	2.36"	1 1/4"	0.74"	0.98"	1/2"	1.46"	-	-	1.00	A	
	S1 1/4"-EZ1/2"SS-7.87"	S20	7.87"	3.15"	1 1/4"	0.74"	1.06"	1/2"	1.46"	-	-	1.20	A	
	S1 1/4"-EZ1/2"SS-11.81"	S20	11.81"	3.94"	1 1/4"	0.74"	1.14"	1/2"	1.46"	-	-	1.60	A	
	S1 1/4"-EZ5/8"SS-6.30"	S20	6.30"	2.36"	1 1/4"	0.86"	1.10"	5/8"	1.57"	-	-	1.00	A	
	S1 1/4"-EZ5/8"SS-7.87"	S20	7.87"	3.15"	1 1/4"	0.86"	1.18"	5/8"	1.57"	-	-	1.20	A	
	S1 1/4"-EZ5/8"SS-11.81"	S21	11.81"	3.94"	1 1/4"	0.86"	-	5/8"	1.57"	-	-	1.60	A	
	S1 1/4"-EZ3/4"SS-6.30"	S20	6.30"	2.36"	1 1/4"	0.99"	1.23"	3/4"	1.65"	-	-	1.00	A	
	S1 1/4"-EZ3/4"SS-7.87"	S21	7.87"	2.36"	1 1/4"	0.99"	-	3/4"	1.65"	-	-	1.20	A	
	S1 1/4"-EZ3/4"SS-11.81"	S21	11.81"	2.36"	1 1/4"	0.99"	-	3/4"	1.65"	-	-	1.60	A	
	S1 1/4"-EZ7/8"SS-6.30"	S21	6.30"	1.18"	1 1/4"	1.11"	-	7/8"	1.65"	-	-	1.00	A	
	S1 1/4"-EZ7/8"SS-7.87"	S21	7.87"	1.18"	1 1/4"	1.11"	-	7/8"	1.65"	-	-	1.20	A	
	S1 1/4"-EZ7/8"SS-11.81"	S21	11.81"	1.18"	1 1/4"	1.11"	-	7/8"	1.65"	-	-	1.60	A	

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HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	S12-EZ03S-120	S30	120	-	12	8	-	3	11	-	-	0.15	A	
	S12-EZ03S-160	S30	160	-	12	8	-	3	11	-	-	0.20	A	
	S12-EZ03S-210	S30	210	-	12	8	-	3	11	-	-	0.25	A	
▲	S12-EZ04S-120	S30	120	-	12	8	-	4	14	-	-	0.15	A	
	S12-EZ04S-160	S30	160	-	12	8	-	4	14	-	-	0.20	A	
	S12-EZ04S-210	S30	210	-	12	8	-	4	14	-	-	0.25	A	
▲	S12-EZ05S-120	S30	120	-	12	10	-	5	17	-	-	0.15	A	
▲	S12-EZ05S-160	S30	160	-	12	10	-	5	17	-	-	0.20	A	
▲	S12-EZ06S-120	S30	120	-	12	10	-	6	23	-	-	0.15	A	
▲	S12-EZ06S-160	S30	160	-	12	10	-	6	23	-	-	0.20	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	S16-EZ03S-120	S30	120	-	16	10	-	3	11	-	-	0.20	A	
	S16-EZ03S-160	S30	160	-	16	10	-	3	11	-	-	0.30	A	
	S16-EZ03S-210	S30	210	-	16	10	-	3	11	-	-	0.40	A	
▲	S16-EZ04S-120	S30	120	-	16	10	-	4	14	-	-	0.20	A	
	S16-EZ04S-160	S30	160	-	16	10	-	4	14	-	-	0.30	A	
	S16-EZ04S-210	S30	210	-	16	10	-	4	14	-	-	0.40	A	
▲	S16-EZ05S-120	S30	120	-	16	10	-	5	17	-	-	0.20	A	
	S16-EZ05S-160	S30	160	-	16	10	-	5	17	-	-	0.30	A	
▲	S16-EZ06S-120	S30	120	-	16	10	-	6	23	-	-	0.20	A	
	S16-EZ06S-160	S30	160	-	16	10	-	6	23	-	-	0.30	A	
	S16-EZ06S-210	S30	210	-	16	10	-	6	23	-	-	0.40	A	
▲	S16-EZ08S-120	S30	120	-	16	12	-	8	27	-	-	0.20	A	
▲	S16-EZ08S-160	S30	160	-	16	12	-	8	27	-	-	0.30	A	
▲	S16-EZ10S-120	S30	120	-	16	14	-	10	32	-	-	0.20	A	
▲	S16-EZ10S-160	S30	160	-	16	14	-	10	32	-	-	0.30	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	S20-EZ03S-160	S30	160	-	20	10	-	3	11	-	-	0.40	A	
▲	S20-EZ03S-200	S30	200	-	20	10	-	3	11	-	-	0.50	A	
▲	S20-EZ04S-160	S30	160	-	20	10	-	4	14	-	-	0.40	A	
▲	S20-EZ04S-200	S30	200	-	20	10	-	4	14	-	-	0.50	A	
	S20-EZ05S-160	S30	160	-	20	14	-	5	17	-	-	0.40	A	
▲	S20-EZ05S-200	S30	200	-	20	14	-	5	17	-	-	0.50	A	
	S20-EZ06S-160	S30	160	-	20	14	-	6	23	-	-	0.40	A	
▲	S20-EZ06S-200	S30	200	-	20	14	-	6	23	-	-	0.50	A	
	S20-EZ06S-210	S30	210	-	20	14	-	6	23	-	-	0.50	A	
	S20-EZ06S-300	S30	300	-	20	14	-	6	23	-	-	0.60	A	
	S20-EZ08S-160	S30	160	-	20	14	-	8	27	-	-	0.40	A	
▲	S20-EZ08S-200	S30	200	-	20	14	-	8	27	-	-	0.50	A	
	S20-EZ08S-210	S30	210	-	20	14	-	8	27	-	-	0.50	A	
	S20-EZ08S-300	S30	300	-	20	14	-	8	27	-	-	0.60	A	
▲	S20-EZ10S-160	S30	160	-	20	14	-	10	32	-	-	0.40	A	
▲	S20-EZ10S-200	S30	200	-	20	14	-	10	32	-	-	0.50	A	
▲	S20-EZ10S-300	S30	300	-	20	14	-	10	32	-	-	0.60	A	
▲	S20-EZ12S-160	S30	160	-	20	16	-	12	37	-	-	0.40	A	
▲	S20-EZ12S-200	S30	200	-	20	16	-	12	37	-	-	0.50	A	
▲	S20-EZ12S-300	S30	300	-	20	16	-	12	37	-	-	0.80	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

ezShrink EZS // S-EZS

ezShrink Slim細型熱膨脹燒結刀柄延長桿
ezShrink Slim shrink fit extensions

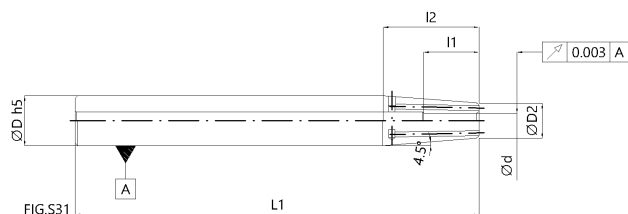
HSS	STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	▲	S25-EZ06S-160	S30	160	-	25	19	-	6	23	-	-	0.60	A	
	▲	S25-EZ06S-200	S30	200	-	25	19	-	6	23	-	-	0.80	A	
		S25-EZ06S-300	S30	300	-	25	19	-	6	23	-	-	1.20	A	
		S25-EZ08S-160	S30	160	-	25	19	-	8	27	-	-	0.60	A	
	▲	S25-EZ08S-200	S30	200	-	25	19	-	8	27	-	-	0.80	A	
		S25-EZ08S-300	S30	300	-	25	19	-	8	27	-	-	1.20	A	
		S25-EZ10S-160	S30	160	-	25	20	-	10	32	-	-	0.60	A	
	▲	S25-EZ10S-200	S30	200	-	25	20	-	10	32	-	-	0.80	A	
		S25-EZ10S-300	S30	300	-	25	20	-	10	32	-	-	1.20	A	
		S25-EZ12S-160	S30	160	-	25	20	-	12	37	-	-	0.60	A	
	▲	S25-EZ12S-200	S30	200	-	25	20	-	12	37	-	-	0.80	A	
		S25-EZ12S-300	S30	300	-	25	20	-	12	37	-	-	1.20	A	
		S25-EZ14S-160	S30	160	-	25	20	-	14	37	-	-	0.60	A	
	▲	S25-EZ14S-200	S30	200	-	25	20	-	14	37	-	-	0.80	A	
		S25-EZ14S-300	S30	300	-	25	20	-	14	37	-	-	1.20	A	
		S25-EZ16S-160	S30	160	-	25	22	-	16	40	-	-	0.60	A	
	▲	S25-EZ16S-200	S30	200	-	25	22	-	16	40	-	-	0.80	A	
		S25-EZ16S-300	S30	300	-	25	22	-	16	40	-	-	1.20	A	
HSS	STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		S32-EZ10S-160	S30	160	-	32	24	-	10	32	-	-	1.00	A	
	▲	S32-EZ10S-200	S30	200	-	32	24	-	10	32	-	-	1.20	A	
		S32-EZ10S-300	S30	300	-	32	24	-	10	32	-	-	1.60	A	
		S32-EZ12S-160	S30	160	-	32	24	-	12	37	-	-	1.00	A	
	▲	S32-EZ12S-200	S30	200	-	32	24	-	12	37	-	-	1.20	A	
		S32-EZ12S-300	S30	300	-	32	24	-	12	37	-	-	1.60	A	
		S32-EZ14S-160	S30	160	-	32	27	-	14	37	-	-	1.00	A	
	▲	S32-EZ14S-200	S30	200	-	32	27	-	14	37	-	-	1.20	A	
		S32-EZ14S-300	S30	300	-	32	27	-	14	37	-	-	1.60	A	
		S32-EZ16S-160	S30	160	-	32	27	-	16	40	-	-	1.00	A	
	▲	S32-EZ16S-200	S30	200	-	32	27	-	16	40	-	-	1.20	A	
		S32-EZ16S-300	S30	300	-	32	27	-	16	40	-	-	1.60	A	
		S32-EZ18S-160	S30	160	-	32	27	-	18	40	-	-	1.00	A	
	▲	S32-EZ18S-200	S30	200	-	32	27	-	18	40	-	-	1.20	A	
		S32-EZ18S-300	S30	300	-	32	27	-	18	40	-	-	1.60	A	
		S32-EZ20S-160	S30	160	-	32	27	-	20	42	-	-	1.00	A	
	▲	S32-EZ20S-200	S30	200	-	32	27	-	20	42	-	-	1.20	A	
		S32-EZ20S-300	S30	300	-	32	27	-	20	42	-	-	1.60	A	
	▲	S32-EZ22S-160	S30	160	-	32	27	-	22	42	-	-	1.00	A	
	▲	S32-EZ22S-200	S30	200	-	32	27	-	22	42	-	-	1.20	A	
	▲	S32-EZ22S-300	S30	300	-	32	27	-	22	42	-	-	1.60	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

ezShrink+ezKool Slim細型鼻端噴水熱膨脹燒結刀柄延長桿
ezShrink+ezKool Slim shrink fit extensions with coolant through nose



HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	S20-EZ06S-160KK	S31	160	-	20	14	-	6	23	-	-	0.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
▲	S25-EZ06S-160KK	S31	160	-	25	19	-	6	23	-	-	0.60	A	
	S25-EZ08S-160KK	S31	160	-	25	19	-	8	28	-	-	0.60	A	
	S25-EZ10S-160KK	S31	160	-	25	20	-	10	32	-	-	0.60	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	S32-EZ10S-160KK	S31	160	-	32	24	-	10	32	-	-	1.00	A	
	S32-EZ12S-160KK	S31	160	-	32	24	-	12	37	-	-	1.00	A	
	S32-EZ14S-160KK	S31	160	-	32	27	-	14	37	-	-	1.00	A	
	S32-EZ16S-160KK	S31	160	-	32	27	-	16	40	-	-	1.00	A	

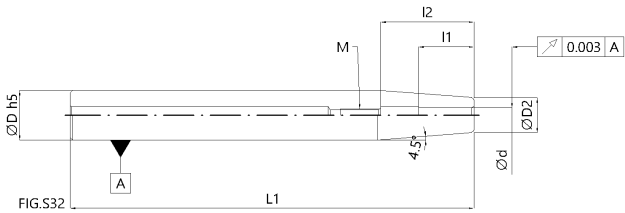
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

ezShrink EZSB // S-EZSB

ezShrink Slim細型熱膨脹燒結刀柄延長桿附長度調整螺絲
ezShrink Slim shrink fit extensions with length adjustable screw



HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	S12-EZ06SB-120	S32	120	-	12	10	-	6	23	37	M5*P0.8	0.10	A	
▲	S12-EZ06SB-160	S32	160	-	12	10	-	6	23	37	M5*P0.8	0.20	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	S16-EZ06SB-120	S32	120	-	16	10	-	6	23	37	M5*P0.8	0.20	A	
	S16-EZ06SB-160	S32	160	-	16	10	-	6	23	37	M5*P0.8	0.30	A	
▲	S16-EZ08SB-120	S32	120	-	16	12	-	8	27	37	M6*P1.0	0.20	A	
▲	S16-EZ08SB-160	S32	160	-	16	12	-	8	27	37	M6*P1.0	0.30	A	
▲	S16-EZ10SB-120	S32	120	-	16	14	-	10	32	42	M8*P1.25	0.20	A	
▲	S16-EZ10SB-160	S32	160	-	16	14	-	10	32	42	M8*P1.0	0.30	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	S20-EZ06SB-160	S32	160	-	20	14	-	6	23	37	M5*P0.8	0.40	A	
▲	S20-EZ06SB-200	S32	200	-	20	14	-	6	23	37	M5*P0.8	0.50	A	
	S20-EZ08SB-160	S32	160	-	20	14	-	8	27	37	M6*P1.0	0.40	A	
▲	S20-EZ08SB-200	S32	200	-	20	14	-	8	27	37	M6*P1.0	0.50	A	
▲	S20-EZ10SB-160	S32	160	-	20	14	-	10	32	42	M8*P1.0	0.40	A	
▲	S20-EZ12SB-160	S32	160	-	20	16	-	12	37	48	M10*P1.0	0.40	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
▲	S25-EZ06SB-160	S32	160	-	25	19	-	6	23	37	M5*P0.8	0.60	A	
	S25-EZ08SB-160	S32	160	-	25	19	-	8	27	37	M6*P1.0	0.60	A	
	S25-EZ10SB-160	S32	160	-	25	20	-	10	32	42	M8*P1.0	0.60	A	
	S25-EZ12SB-160	S32	160	-	25	20	-	12	37	48	M10*P1.0	0.60	A	
▲	S25-EZ12SB-200	S32	200	-	25	20	-	12	37	48	M10*P1.0	0.80	A	
	S25-EZ14SB-160	S32	160	-	25	20	-	14	37	48	M10*P1.0	0.60	A	
	S25-EZ16SB-160	S32	160	-	25	22	-	16	40	51	M12*P1.0	0.60	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD h5	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	S32-EZ10SB-160	S32	160	-	32	24	-	10	32	42	M8*P1.0	1.00	A	
	S32-EZ12SB-160	S32	160	-	32	24	-	12	37	48	M10*P1.0	1.00	A	
	S32-EZ14SB-160	S32	160	-	32	27	-	14	37	48	M10*P1.0	1.00	A	
	S32-EZ16SB-160	S32	160	-	32	27	-	16	40	51	M12*P1.0	1.00	A	
▲	S32-EZ16SB-200	S32	200	-	32	27	-	16	40	51	M12*P1.0	1.20	A	
	S32-EZ18SB-160	S32	160	-	32	27	-	18	40	51	M12*P1.0	1.00	A	
	S32-EZ20SB-160	S32	160	-	32	27	-	20	42	53	M16*P1.0	1.00	A	

產品FIG.S32出貨附件為長度調整螺絲BK-EZ-Mxx*1pc // PRODUCTS IN FIG.S32 EQUIP WITH BACK UP SCREW BK-EZ-Mxx*1PC
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request
HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only
STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

Introduction of ER ezshrink shrink fit collets:

EREZ collet is shrink fit collet with ER taper shank
Shank part is produced per DIN6499B/ISO15488B
supERgrip SGER is the best collet chuck to fit EREZ shrink fit collet
Also fit other ER collet chuck or ER live tools

ER ezShrink 熱膨脹燒結筒夾簡介：

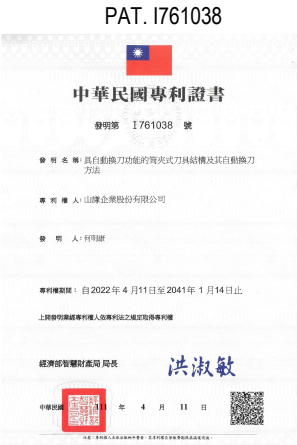
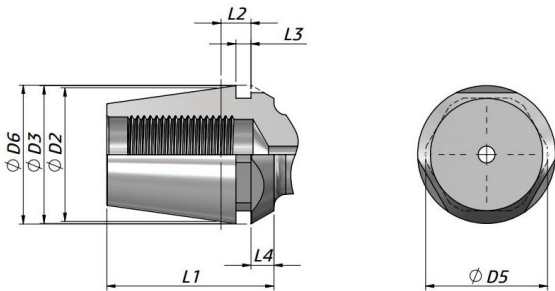
EREZ筒夾是以ER筒夾當錐柄的熱膨脹燒結筒夾
柄部依照DIN6499B/ISO15488B生產
EREZ熱膨脹燒結刀柄最適合裝配於supERgrip SGER強力ER筒夾刀柄
其他ER筒夾刀柄或者動力刀座也能適用

Technical information of ezshrink shrink fit chucks:

Material: SKD61/1.2344/4CrMo5SiV1/H13
Tensile strength: 1,200+ N/mm2 (Mpa)
Hardness: HRC50~52
Tool requirement: Shank tolerance with h6
Times of tool change: Over 1,000 times
Run out of T.I.R: 0.002mm at nose, 0.003mm at 3*d

ezShrink 熱膨脹燒結刀柄技術資料：

材質: SKD61/1.2344/4Cr5MoSiV1/H13
抗拉強度: 1,200+ N/mm2 (Mpa)
熱處理硬度: HRC50~52
刀具柄徑要求: h6
刀柄加熱交換次數: 1,000次以上
刀柄內孔偏擺精度: 0.002mm在鼻端, 0.003mm在3*d



ER COLLET FORM B	ER11	ER16	ER20	ER25	ER32	ER40
ØD2	11	16	20	25	32	40
ØD3 0/-0.2	11.5	17.0	21.0	26.0	33.0	41.0
ØD5	9.5	13.8	17.4	22.0	29.2	36.2
ØD6	11.70	17.25	21.30	26.30	33.35	41.40
L1 max.	18.0	27.5	31.5	34.0	40.0	46.0
L2	3.80	6.26	6.36	6.66	7.16	7.66
L3	2.0	2.7	2.8	3.1	3.6	4.1
L4 +/-0.2	2.5	4.0	4.8	5.0	5.5	7.0

ER ezShrink 熱膨脹燒結筒夾種類:

Type of ER ezshrink shrink fit collet:

EREZSRKK / ER ezShrink SlimRegular+ezKool

EREZSS / ER ezShrink SlimSuper

ER ezShrink 熱膨脹燒結筒夾種類:

Type of ER ezshrink shrink fit collet:

EREZSSU / ER ezShrink SlimSuperUltra



EREZSRKK=3度斜角鼻端出水細型
EREZSRKK=3° SlimRegular with coolant through nose



EREZSS=3度斜角超細型(3mm)
EREZSS=3° SlimSuper(3mm)



EREZSSU=3度斜角極細型(2mm)
EREZSSU=3° SlimSuperUltra(2mm)

EREZCSU / ER ezShrink CylindricalSlimUltra

EREZCSKZ / ER ezShrink CylindricalSlim+ezKool



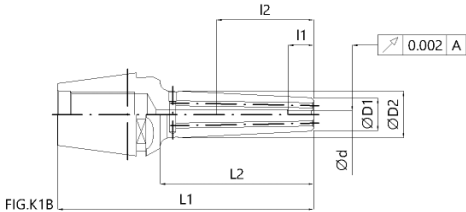
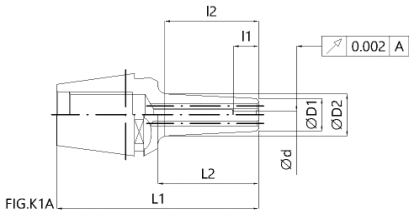
EREZCSU=直圓柱細型(2mm)
EREZCSU=CylindricalSlimUltra(2mm)



EREZCSKZ=直圓柱細型鼻端直式噴水(3mm)
EREZCSKZ=CylindricalSlim(3mm) with straight coolant through nose

ezShrink EREZSRKK // ER-EZSRKK (PAT.)

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結ER筒夾
ezShrink+ezKool SlimRegular shrink fit ER collets with coolant through nose



HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ER25-EZ03SR-040KV	K1A	74	40	13	17	-	3	11	-	-	0.20	A	
	ER25-EZ03SR-060KK	K1B	94	60	13	19	-	3	11	-	-	0.40	A	
	ER25-EZ03SR-080KK	K1B	114	80	13	20	-	3	11	-	-	0.60	A	
	ER25-EZ04SR-040KV	K1A	74	40	14	18	-	4	14	-	-	0.20	A	
	ER25-EZ04SR-060KK	K1B	94	60	14	20	-	4	14	-	-	0.40	A	
	ER25-EZ04SR-080KK	K1B	114	80	14	20	-	4	14	-	-	0.60	A	
	ER25-EZ05SR-040KV	K1A	74	40	15	19	-	5	17	-	-	0.20	A	
	ER25-EZ05SR-060KK	K1B	94	60	15	20	-	5	17	-	-	0.40	A	
	ER25-EZ05SR-080KK	K1B	114	80	15	20	-	5	17	-	-	0.60	A	
	ER25-EZ06SR-040KV	K1A	74	40	16	20	-	6	23	-	-	0.30	A	
	ER25-EZ06SR-060KK	K1B	94	60	16	20	-	6	23	-	-	0.50	A	
	ER25-EZ06SR-080KK	K1B	114	80	16	20	-	6	23	-	-	0.70	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ER32-EZ03SR-060KK	K1B	100	60	13	19	-	3	11	-	-	0.20	A	
	ER32-EZ03SR-080KK	K1B	120	80	13	21	-	3	11	-	-	0.40	A	
	ER32-EZ03SR-100KK	K1B	140	100	13	23	-	3	11	-	-	0.60	A	
	ER32-EZ04SR-060KK	K1B	100	60	14	20	-	4	14	-	-	0.20	A	
	ER32-EZ04SR-080KK	K1B	120	80	14	22	-	4	14	-	-	0.40	A	
	ER32-EZ04SR-100KK	K1B	140	100	14	24	-	4	14	-	-	0.60	A	
	ER32-EZ05SR-060KK	K1B	100	60	15	21	-	5	17	-	-	0.20	A	
	ER32-EZ05SR-080KK	K1B	120	80	15	23	-	5	17	-	-	0.40	A	
	ER32-EZ05SR-100KK	K1B	140	100	15	25	-	5	17	-	-	0.60	A	
	ER32-EZ06SR-060KK	K1B	100	60	16	22	-	6	23	-	-	0.30	A	
	ER32-EZ06SR-080KK	K1B	120	80	16	24	-	6	23	-	-	0.50	A	
	ER32-EZ06SR-100KK	K1B	140	100	16	26	-	6	23	-	-	0.70	A	
	ER32-EZ08SR-060KK	K1B	100	60	16	24	-	8	27	-	-	0.30	A	
	ER32-EZ08SR-080KK	K1B	120	80	16	26	-	8	27	-	-	0.50	A	
	ER32-EZ08SR-100KK	K1B	140	100	16	26	-	8	27	-	-	0.70	A	
	ER32-EZ10SR-060KK	K1B	100	60	16	26	-	10	32	-	-	0.40	A	
	ER32-EZ10SR-080KK	K1B	120	80	16	26	-	10	32	-	-	0.60	A	
	ER32-EZ10SR-100KK	K1B	140	100	16	26	-	10	32	-	-	0.80	A	

STOCK ◎=標準在庫品 // STOCK ◉=regular stock | STOCK ○=少量在庫品 // STOCK ◯=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request
HSS ◉=高速鋼柄刀具適用 // HSS ◉=hss shank tool possible | HSS 無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結ER筒夾
ezShrink+ezKool SlimRegular shrink fit ER collets with coolant through nose

HSS	STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
		ER40-EZ06SR-060KK	K1B	106	60	16	22	-	6	23	-	-	0.40	A	
		ER40-EZ06SR-080KK	K1B	126	80	16	24	-	6	23	-	-	0.60	A	
		ER40-EZ06SR-100KK	K1B	146	100	16	26	-	6	23	-	-	0.80	A	
		ER40-EZ08SR-060KK	K1B	106	60	18	24	-	8	27	-	-	0.40	A	
		ER40-EZ08SR-080KK	K1B	126	80	18	26	-	8	27	-	-	0.60	A	
		ER40-EZ08SR-100KK	K1B	146	100	18	28	-	8	27	-	-	0.80	A	
		ER40-EZ10SR-060KK	K1B	106	60	20	26	-	10	32	-	-	0.50	A	
		ER40-EZ10SR-080KK	K1B	126	80	20	28	-	10	32	-	-	0.70	A	
		ER40-EZ10SR-100KK	K1B	146	100	20	30	-	10	32	-	-	0.90	A	
		ER40-EZ12SR-060KK	K1B	106	60	22	28	-	12	37	-	-	0.50	A	
		ER40-EZ12SR-080KK	K1B	126	80	22	30	-	12	37	-	-	0.70	A	
		ER40-EZ12SR-100KK	K1B	146	100	22	32	-	12	37	-	-	0.90	A	
		ER40-EZ14SR-060KK	K1B	106	60	24	30	-	14	37	-	-	0.60	A	
		ER40-EZ14SR-080KK	K1B	126	80	24	32	-	14	37	-	-	0.80	A	
		ER40-EZ14SR-100KK	K1B	146	100	24	32	-	14	37	-	-	1.00	A	
		ER40-EZ16SR-060KK	K1B	106	60	26	32	-	16	40	-	-	0.60	A	
		ER40-EZ16SR-080KK	K1B	126	80	26	32	-	16	40	-	-	0.80	A	
		ER40-EZ16SR-100KK	K1B	146	100	26	32	-	16	40	-	-	1.00	A	

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HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink EREZSRKK // ER-EZSRKK inch (PAT.)

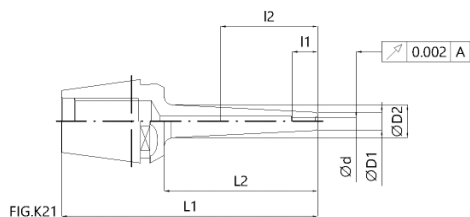
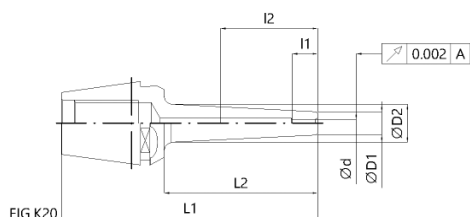
ezShrink+ezKool SlimRegular 細型鼻端噴水熱膨脹燒結ER筒夾-英制

ezShrink+ezKool SlimRegular shrink fit ER collets with coolant through nose-inch

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER25-EZ1/8"SR-1.57"KV	K1A	2.91"	1.57"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.20	A	
	ER25-EZ1/8"SR-2.36"KK	K1B	3.70"	2.36"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.40	A	
	ER25-EZ1/8"SR-3.15"KK	K1B	4.49"	3.15"	0.52"	0.79"	-	1/8"	0.43"	-	-	0.60	A	
	ER25-EZ3/16"SR-1.57"KV	K1A	2.91"	1.57"	0.59"	0.75"	-	3/16"	0.55"	-	-	0.20	A	
	ER25-EZ3/16"SR-2.36"KK	K1B	3.70"	2.36"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.40	A	
	ER25-EZ3/16"SR-3.15"KK	K1B	4.49"	3.15"	0.59"	0.79"	-	3/16"	0.55"	-	-	0.60	A	
	ER25-EZ1/4"SR-1.57"KV	K1A	2.91"	1.57"	0.65"	0.79"	-	1/4"	0.91"	-	-	0.30	A	
	ER25-EZ1/4"SR-2.36"KK	K1B	3.70"	2.36"	0.65"	0.79"	-	1/4"	0.91"	-	-	0.50	A	
	ER25-EZ1/4"SR-3.15"KK	K1B	4.49"	3.15"	0.65"	0.79"	-	1/4"	0.91"	-	-	0.70	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER32-EZ1/8"SR-2.36"KK	K1B	3.94"	2.36"	0.52"	0.68"	-	1/8"	0.43"	-	-	0.20	A	
	ER32-EZ1/8"SR-3.15"KK	K1B	4.72"	3.15"	0.52"	0.76"	-	1/8"	0.43"	-	-	0.40	A	
	ER32-EZ1/8"SR-3.94"KK	K1B	5.51"	3.94"	0.52"	0.84"	-	1/8"	0.43"	-	-	0.60	A	
	ER32-EZ3/16"SR-2.36"KK	K1B	3.94"	2.36"	0.59"	0.75"	-	3/16"	0.55"	-	-	0.20	A	
	ER32-EZ3/16"SR-3.15"KK	K1B	4.72"	3.15"	0.59"	0.83"	-	3/16"	0.55"	-	-	0.40	A	
	ER32-EZ3/16"SR-3.94"KK	K1B	5.51"	3.94"	0.59"	0.91"	-	3/16"	0.55"	-	-	0.60	A	
	ER32-EZ1/4"SR-2.36"KK	K1B	3.94"	2.36"	0.65"	0.81"	-	1/4"	0.91"	-	-	0.30	A	
	ER32-EZ1/4"SR-3.15"KK	K1B	4.72"	3.15"	0.65"	0.89"	-	1/4"	0.91"	-	-	0.50	A	
	ER32-EZ1/4"SR-3.94"KK	K1B	5.51"	3.94"	0.65"	0.97"	-	1/4"	0.91"	-	-	0.70	A	
	ER32-EZ5/16"SR-2.36"KK	K1B	3.94"	2.36"	0.71"	0.87"	-	5/16"	1.06"	-	-	0.30	A	
	ER32-EZ5/16"SR-3.15"KK	K1B	4.72"	3.15"	0.71"	0.95"	-	5/16"	1.06"	-	-	0.50	A	
	ER32-EZ5/16"SR-3.94"KK	K1B	5.51"	3.94"	0.71"	1.02"	-	5/16"	1.06"	-	-	0.70	A	
	ER32-EZ3/8"SR-2.36"KK	K1B	3.94"	2.36"	0.77"	0.93"	-	3/8"	1.26"	-	-	0.40	A	
	ER32-EZ3/8"SR-3.15"KK	K1B	4.72"	3.15"	0.77"	1.01"	-	3/8"	1.26"	-	-	0.60	A	
	ER32-EZ3/8"SR-3.94"KK	K1B	5.51"	3.94"	0.77"	1.02"	-	3/8"	1.26"	-	-	0.80	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER40-EZ1/4"SR-2.36"KK	K1B	4.17"	2.36"	0.65"	0.81"	-	1/4"	0.91"	-	-	0.40	A	
	ER40-EZ1/4"SR-3.15"KK	K1B	4.96"	3.15"	0.65"	0.89"	-	1/4"	0.91"	-	-	0.60	A	
	ER40-EZ1/4"SR-3.94"KK	K1B	5.75"	3.94"	0.65"	0.97"	-	1/4"	0.91"	-	-	0.80	A	
	ER40-EZ5/16"SR-2.36"KK	K1B	4.17"	2.36"	0.71"	0.87"	-	5/16"	1.06"	-	-	0.40	A	
	ER40-EZ5/16"SR-3.15"KK	K1B	4.96"	3.15"	0.71"	0.95"	-	5/16"	1.06"	-	-	0.60	A	
	ER40-EZ5/16"SR-3.94"KK	K1B	5.75"	3.94"	0.71"	1.03"	-	5/16"	1.06"	-	-	0.80	A	
	ER40-EZ3/8"SR-2.36"KK	K1B	4.17"	2.36"	0.77"	0.93"	-	3/8"	1.26"	-	-	0.50	A	
	ER40-EZ3/8"SR-3.15"KK	K1B	4.96"	3.15"	0.77"	1.01"	-	3/8"	1.26"	-	-	0.70	A	
	ER40-EZ3/8"SR-3.94"KK	K1B	5.75"	3.94"	0.77"	1.09"	-	3/8"	1.26"	-	-	0.90	A	
	ER40-EZ7/16"SR-2.36"KK	K1B	4.17"	2.36"	0.84"	1.00"	-	7/16"	1.26"	-	-	0.50	A	
	ER40-EZ7/16"SR-3.15"KK	K1B	4.96"	3.15"	0.84"	1.08"	-	7/16"	1.26"	-	-	0.70	A	
	ER40-EZ7/16"SR-3.94"KK	K1B	5.75"	3.94"	0.84"	1.16"	-	7/16"	1.26"	-	-	0.90	A	
	ER40-EZ1/2"SR-2.36"KK	K1B	4.17"	2.36"	0.90"	1.06"	-	1/2"	1.46"	-	-	0.60	A	
	ER40-EZ1/2"SR-3.15"KK	K1B	4.96"	3.15"	0.90"	1.14"	-	1/2"	1.46"	-	-	0.80	A	
	ER40-EZ1/2"SR-3.94"KK	K1B	5.75"	3.94"	0.90"	1.22"	-	1/2"	1.46"	-	-	1.00	A	
	ER40-EZ5/8"SR-2.36"KK	K1B	4.17"	2.36"	1.02"	1.18"	-	5/8"	1.57"	-	-	0.60	A	
	ER40-EZ5/8"SR-3.15"KK	K1B	4.96"	3.15"	1.02"	1.26"	-	5/8"	1.57"	-	-	0.80	A	
	ER40-EZ5/8"SR-3.94"KK	K1B	5.75"	3.94"	1.02"	1.26"	-	5/8"	1.57"	-	-	1.00	A	

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HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only



HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ER16-EZ03SSU-030	K21	57.5	30	7	10	-	3	11	-	-	0.05	A	
	ER16-EZ03SSU-040	K21	67.5	40	7	11	-	3	11	-	-	0.05	A	
	ER16-EZ04SSU-030	K21	57.5	30	8	11	-	4	14	-	-	0.05	A	
	ER16-EZ04SSU-040	K21	67.5	40	8	12	-	4	14	-	-	0.05	A	
	ER16-EZ05SSU-030	K21	57.5	30	9	12	-	5	17	-	-	0.05	A	
	ER16-EZ05SSU-040	K21	67.5	40	9	12	-	5	17	-	-	0.05	A	
	ER16-EZ06SSU-030	K21	57.5	30	10	12	-	6	23	-	-	0.05	A	
	ER16-EZ06SSU-040	K21	67.5	40	10	12	-	6	23	-	-	0.05	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ER20-EZ03SSU-030	K21	61.5	30	7	10	-	3	11	-	-	0.05	A	
	ER20-EZ03SSU-040	K21	71.5	40	7	11	-	3	11	-	-	0.05	A	
	ER20-EZ03SSU-060	K21	91.5	60	7	13	-	3	11	-	-	0.10	A	
	ER20-EZ04SSU-030	K21	61.5	30	8	11	-	4	14	-	-	0.05	A	
	ER20-EZ04SSU-040	K21	71.5	40	8	12	-	4	14	-	-	0.05	A	
	ER20-EZ04SSU-060	K21	91.5	60	8	14	-	4	14	-	-	0.10	A	
	ER20-EZ05SSU-030	K21	61.5	30	9	12	-	5	17	-	-	0.05	A	
	ER20-EZ05SSU-040	K21	71.5	40	9	13	-	5	17	-	-	0.05	A	
	ER20-EZ05SSU-060	K21	91.5	60	9	15	-	5	17	-	-	0.10	A	
	ER20-EZ06SSU-030	K21	61.5	30	10	13	-	6	23	-	-	0.04	A	
	ER20-EZ06SSU-040	K21	71.5	40	10	14	-	6	23	-	-	0.05	A	
	ER20-EZ06SSU-060	K21	91.5	60	10	15	-	6	23	-	-	0.20	A	
	ER20-EZ08SSU-030	K21	61.5	30	12	15	-	8	27	-	-	0.05	A	
	ER20-EZ08SSU-040	K21	71.5	40	12	15	-	8	27	-	-	0.05	A	
	ER20-EZ08SSU-060	K21	91.5	60	12	15	-	8	27	-	-	0.20	A	

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HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS 無標示=限用鈎鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink EREZSS & EREZSSU // ER-EZSS & ER-EZSSU (PAT.)

ezShrink SlimSuper & SlimSuperUltra 超細型與極細型熱膨脹燒結ER筒夾

ezShrink SlimSuper & SlimSuperUltra shrink fit ER collets

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER25-EZ03SS-040	K20	74	40	9	13	-	3	11	-	-	0.05	A	
	ER25-EZ03SS-060	K20	94	60	9	15	-	3	11	-	-	0.10	A	
	ER25-EZ03SS-080	K20	114	80	9	17	-	3	11	-	-	0.30	A	
	ER25-EZ04SS-040	K20	74	40	10	14	-	4	14	-	-	0.05	A	
	ER25-EZ04SS-060	K20	94	60	10	16	-	4	14	-	-	0.10	A	
	ER25-EZ04SS-080	K20	114	80	10	18	-	4	14	-	-	0.30	A	
	ER25-EZ05SS-040	K20	74	40	11	15	-	5	17	-	-	0.05	A	
	ER25-EZ05SS-060	K20	94	60	11	17	-	5	17	-	-	0.10	A	
	ER25-EZ05SS-080	K20	114	80	11	19	-	5	17	-	-	0.30	A	
	ER25-EZ06SS-040	K20	74	40	12	16	-	6	23	-	-	0.10	A	
	ER25-EZ06SS-060	K20	94	60	12	18	-	6	23	-	-	0.20	A	
	ER25-EZ06SS-080	K20	114	80	12	20	-	6	23	-	-	0.40	A	
	ER25-EZ08SS-040	K20	74	40	14	18	-	8	27	-	-	0.10	A	
	ER25-EZ08SS-060	K20	94	60	14	20	-	8	27	-	-	0.20	A	
	ER25-EZ08SS-080	K20	114	80	14	20	-	8	27	-	-	0.40	A	
	ER25-EZ10SS-040	K20	74	40	16	20	-	10	32	-	-	0.10	A	
	ER25-EZ10SS-060	K20	94	60	16	20	-	10	32	-	-	0.30	A	
	ER25-EZ10SS-080	K20	114	80	16	20	-	10	32	-	-	0.50	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER32-EZ03SS-060	K20	100	60	9	15	-	3	11	-	-	0.10	A	
	ER32-EZ03SS-080	K20	120	80	9	17	-	3	11	-	-	0.30	A	
	ER32-EZ03SS-100	K20	140	100	9	19	-	3	11	-	-	0.50	A	
	ER32-EZ04SS-060	K20	100	60	10	16	-	4	14	-	-	0.10	A	
	ER32-EZ04SS-080	K20	120	80	10	18	-	4	14	-	-	0.30	A	
	ER32-EZ04SS-100	K20	140	100	10	20	-	4	14	-	-	0.50	A	
	ER32-EZ05SS-060	K20	100	60	11	17	-	5	17	-	-	0.20	A	
	ER32-EZ05SS-080	K20	120	80	11	19	-	5	17	-	-	0.40	A	
	ER32-EZ05SS-100	K20	140	100	11	21	-	5	17	-	-	0.60	A	
	ER32-EZ06SS-060	K20	100	60	12	18	-	6	23	-	-	0.20	A	
	ER32-EZ06SS-080	K20	120	80	12	20	-	6	23	-	-	0.40	A	
	ER32-EZ06SS-100	K20	140	100	12	22	-	6	23	-	-	0.60	A	
	ER32-EZ08SS-060	K20	100	60	14	20	-	8	27	-	-	0.20	A	
	ER32-EZ08SS-080	K20	120	80	14	22	-	8	27	-	-	0.40	A	
	ER32-EZ08SS-100	K20	140	100	14	24	-	8	27	-	-	0.60	A	
	ER32-EZ10SS-060	K20	100	60	16	22	-	10	32	-	-	0.30	A	
	ER32-EZ10SS-080	K20	120	80	16	24	-	10	32	-	-	0.50	A	
	ER32-EZ10SS-100	K20	140	100	16	26	-	10	32	-	-	0.70	A	
	ER32-EZ12SS-060	K20	100	60	18	24	-	12	37	-	-	0.30	A	
	ER32-EZ12SS-080	K20	120	80	18	26	-	12	37	-	-	0.50	A	
	ER32-EZ12SS-100	K20	140	100	18	26	-	12	37	-	-	0.70	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER16-EZ1/8"SSU-1.18"	K21	2.26"	1.18"	0.28"	0.40"	-	1/8"	0.43"	-	-	0.05	A	
	ER16-EZ1/8"SSU-1.57"	K21	2.65"	1.57"	0.28"	0.44"	-	1/8"	0.43"	-	-	0.05	A	
	ER16-EZ3/16"SSU-1.18"	K21	2.26"	1.18"	0.34"	0.46"	-	3/16"	0.55"	-	-	0.05	A	
	ER16-EZ3/16"SSU-1.57"	K21	2.65"	1.57"	0.34"	0.47"	-	3/16"	0.55"	-	-	0.05	A	
	ER16-EZ1/4"SSU-1.18"	K21	2.26"	1.18"	0.41"	0.47"	-	1/4"	0.91"	-	-	0.05	A	
	ER16-EZ1/4"SSU-1.57"	K21	2.65"	1.57"	0.41"	0.47"	-	1/4"	0.91"	-	-	0.05	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER20-EZ1/8"SSU-1.18"	K21	2.42"	1.18"	0.28"	0.40"	-	1/8"	0.43"	-	-	0.05	A	
	ER20-EZ1/8"SSU-1.57"	K21	2.81"	1.57"	0.28"	0.44"	-	1/8"	0.43"	-	-	0.05	A	
	ER20-EZ1/8"SSU-2.36"	K21	3.60"	2.36"	0.28"	0.52"	-	1/8"	0.43"	-	-	0.10	A	
	ER20-EZ3/16"SSU-1.18"	K21	2.42"	1.18"	0.34"	0.46"	-	3/16"	0.55"	-	-	0.05	A	
	ER20-EZ3/16"SSU-1.57"	K21	2.81"	1.57"	0.34"	0.50"	-	3/16"	0.55"	-	-	0.05	A	
	ER20-EZ3/16"SSU-2.36"	K21	3.60"	2.36"	0.34"	0.58"	-	3/16"	0.55"	-	-	0.10	A	
	ER20-EZ1/4"SSU-1.18"	K21	2.42"	1.18"	0.41"	0.53"	-	1/4"	0.91"	-	-	0.05	A	
	ER20-EZ1/4"SSU-1.57"	K21	2.81"	1.57"	0.41"	0.57"	-	1/4"	0.91"	-	-	0.05	A	
	ER20-EZ1/4"SSU-2.36"	K21	3.60"	2.36"	0.41"	0.59"	-	1/4"	0.91"	-	-	0.20	A	
	ER20-EZ5/16"SSU-1.18"	K21	2.42"	1.18"	0.47"	0.59"	-	5/16"	1.06"	-	-	0.05	A	
	ER20-EZ5/16"SSU-1.57"	K21	2.81"	1.57"	0.47"	0.59"	-	5/16"	1.06"	-	-	0.05	A	
	ER20-EZ5/16"SSU-2.36"	K21	3.60"	2.36"	0.47"	0.59"	-	5/16"	1.06"	-	-	0.20	A	

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ezShrink EREZSS & EREZSSU // ER-EZSS & ER-EZSSU inch (PAT.)

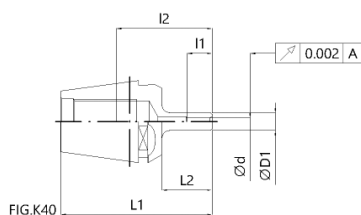
ezShrink SlimSuper & SlimSuperUltra 超細型與極細型熱膨脹燒結ER筒夾-英制

ezShrink SlimSuper & SlimSuperUltra shrink fit ER collets-inch

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER25-EZ1/8"SS-1.57"	K20	2.91"	1.57"	0.36"	0.52"	-	1/8"	0.43"	-	-	0.10	A	
	ER25-EZ1/8"SS-2.36"	K20	3.70"	2.36"	0.36"	0.60"	-	1/8"	0.43"	-	-	0.10	A	
	ER25-EZ1/8"SS-3.15"	K20	4.49"	3.15"	0.36"	0.68"	-	1/8"	0.43"	-	-	0.30	A	
	ER25-EZ3/16"SS-1.57"	K20	2.91"	1.57"	0.42"	0.58"	-	3/16"	0.55"	-	-	0.10	A	
	ER25-EZ3/16"SS-2.36"	K20	3.70"	2.36"	0.42"	0.66"	-	3/16"	0.55"	-	-	0.10	A	
	ER25-EZ3/16"SS-3.15"	K20	4.49"	3.15"	0.42"	0.74"	-	3/16"	0.55"	-	-	0.30	A	
	ER25-EZ1/4"SS-1.57"	K20	2.91"	1.57"	0.49"	0.65"	-	1/4"	0.91"	-	-	0.10	A	
	ER25-EZ1/4"SS-2.36"	K20	3.70"	2.36"	0.49"	0.73"	-	1/4"	0.91"	-	-	0.20	A	
	ER25-EZ1/4"SS-3.15"	K20	4.49"	3.15"	0.49"	0.79"	-	1/4"	0.91"	-	-	0.40	A	
	ER25-EZ5/16"SS-1.57"	K20	2.91"	1.57"	0.55"	0.71"	-	5/16"	1.06"	-	-	0.10	A	
	ER25-EZ5/16"SS-2.36"	K20	3.70"	2.36"	0.55"	0.79"	-	5/16"	1.06"	-	-	0.20	A	
	ER25-EZ5/16"SS-3.15"	K20	4.49"	3.15"	0.55"	0.79"	-	5/16"	1.06"	-	-	0.40	A	
	ER25-EZ3/8"SS-1.57"	K20	2.91"	1.57"	0.61"	0.77"	-	3/8"	1.26"	-	-	0.10	A	
	ER25-EZ3/8"SS-2.36"	K20	3.70"	2.36"	0.61"	0.79"	-	3/8"	1.26"	-	-	0.30	A	
	ER25-EZ3/8"SS-3.15"	K20	4.49"	3.15"	0.61"	0.79"	-	3/8"	1.26"	-	-	0.50	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER32-EZ1/8"SS-2.36"	K20	3.94"	2.36"	0.36"	0.60"	-	1/8"	0.43"	-	-	0.10	A	
	ER32-EZ1/8"SS-3.15"	K20	4.72"	3.15"	0.36"	0.68"	-	1/8"	0.43"	-	-	0.30	A	
	ER32-EZ1/8"SS-3.94"	K20	5.51"	3.94"	0.36"	0.76"	-	1/8"	0.43"	-	-	0.50	A	
	ER32-EZ3/16"SS-2.36"	K20	3.94"	2.36"	0.42"	0.66"	-	3/16"	0.55"	-	-	0.10	A	
	ER32-EZ3/16"SS-3.15"	K20	4.72"	3.15"	0.42"	0.74"	-	3/16"	0.55"	-	-	0.30	A	
	ER32-EZ3/16"SS-3.94"	K20	5.51"	3.94"	0.42"	0.82"	-	3/16"	0.55"	-	-	0.50	A	
	ER32-EZ1/4"SS-2.36"	K20	3.94"	2.36"	0.49"	0.73"	-	1/4"	0.91"	-	-	0.20	A	
	ER32-EZ1/4"SS-3.15"	K20	4.72"	3.15"	0.49"	0.81"	-	1/4"	0.91"	-	-	0.40	A	
	ER32-EZ1/4"SS-3.94"	K20	5.51"	3.94"	0.49"	0.89"	-	1/4"	0.91"	-	-	0.60	A	
	ER32-EZ5/16"SS-2.36"	K20	3.94"	2.36"	0.55"	0.79"	-	5/16"	1.06"	-	-	0.20	A	
	ER32-EZ5/16"SS-3.15"	K20	4.72"	3.15"	0.55"	0.87"	-	5/16"	1.06"	-	-	0.40	A	
	ER32-EZ5/16"SS-3.94"	K20	5.51"	3.94"	0.55"	0.95"	-	5/16"	1.06"	-	-	0.60	A	
	ER32-EZ3/8"SS-2.36"	K20	3.94"	2.36"	0.61"	0.85"	-	3/8"	1.26"	-	-	0.30	A	
	ER32-EZ3/8"SS-3.15"	K20	4.72"	3.15"	0.61"	0.93"	-	3/8"	1.26"	-	-	0.50	A	
	ER32-EZ3/8"SS-3.94"	K20	5.51"	3.94"	0.61"	1.01"	-	3/8"	1.26"	-	-	0.70	A	
	ER32-EZ7/16"SS-2.36"	K20	3.94"	2.36"	0.67"	0.91"	-	7/16"	1.26"	-	-	0.30	A	
	ER32-EZ7/16"SS-3.15"	K20	4.72"	3.15"	0.67"	0.99"	-	7/16"	1.26"	-	-	0.50	A	
	ER32-EZ7/16"SS-3.94"	K20	5.51"	3.94"	0.67"	1.02"	-	7/16"	1.26"	-	-	0.70	A	
	ER32-EZ1/2"SS-2.36"	K20	3.94"	2.36"	0.74"	0.98"	-	1/2"	1.46"	-	-	0.40	A	
	ER32-EZ1/2"SS-3.15"	K20	4.72"	3.15"	0.74"	1.02"	-	1/2"	1.46"	-	-	0.60	A	
	ER32-EZ1/2"SS-3.94"	K20	5.51"	3.94"	0.74"	1.02"	-	1/2"	1.46"	-	-	0.80	A	

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HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ER11-EZ03CSU-010	K40	28.0	10	7	-	-	3	9	-	-	0.02	A	
	ER11-EZ03CSU-020	K40	38.0	20	7	-	-	3	11	-	-	0.02	A	
	ER11-EZ04CSU-010	K40	28.0	10	8	-	-	4	9	-	-	0.02	A	
	ER11-EZ04CSU-020	K40	38.0	20	8	-	-	4	14	-	-	0.02	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ER16-EZ03CSU-010	K40	37.5	10	7	-	-	3	9	-	-	0.03	A	
	ER16-EZ03CSU-020	K40	47.5	20	7	-	-	3	11	-	-	0.03	A	
	ER16-EZ04CSU-010	K40	37.5	10	8	-	-	4	9	-	-	0.03	A	
	ER16-EZ04CSU-020	K40	47.5	20	8	-	-	4	14	-	-	0.03	A	
	ER16-EZ05CSU-010	K40	37.5	10	9	-	-	5	9	-	-	0.03	A	
	ER16-EZ05CSU-020	K40	47.5	20	9	-	-	5	17	-	-	0.03	A	
	ER16-EZ06CSU-020	K40	47.5	20	10	-	-	6	19	-	-	0.03	A	
	ER16-EZ08CSU-020	K40	47.5	20	12	-	-	8	19	-	-	0.30	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ER20-EZ03CSU-020	K40	51.5	20	7	-	-	3	11	-	-	0.03	A	
	ER20-EZ04CSU-020	K40	51.5	20	8	-	-	4	14	-	-	0.03	A	
	ER20-EZ05CSU-020	K40	51.5	20	9	-	-	5	17	-	-	0.03	A	
	ER20-EZ06CSU-020	K40	51.5	20	10	-	-	6	19	-	-	0.03	A	
	ER20-EZ08CSU-020	K40	51.5	20	12	-	-	8	19	-	-	0.03	A	
	ER20-EZ10CSU-030	K40	61.5	30	14	-	-	10	29	-	-	0.05	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ER25-EZ03CSU-020	K40	54.0	20	7	-	-	3	11	-	-	0.04	A	
	ER25-EZ04CSU-020	K40	54.0	20	8	-	-	4	14	-	-	0.04	A	
	ER25-EZ05CSU-020	K40	54.0	20	9	-	-	5	17	-	-	0.04	A	
	ER25-EZ06CSU-020	K40	54.0	20	10	-	-	6	19	-	-	0.04	A	
	ER25-EZ08CSU-020	K40	54.0	20	12	-	-	8	19	-	-	0.04	A	
	ER25-EZ10CSU-030	K40	64.0	30	14	-	-	10	29	-	-	0.06	A	
	ER25-EZ12CSU-030	K40	64.0	30	16	-	-	12	29	-	-	0.06	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	I1-min.	I2-max.	M	W(KG)	GROUP	REMARK
	ER32-EZ03CSU-020	K40	60.0	20	7	-	-	3	11	-	-	0.04	A	
	ER32-EZ04CSU-020	K40	60.0	20	8	-	-	4	14	-	-	0.04	A	
	ER32-EZ05CSU-020	K40	60.0	20	9	-	-	5	17	-	-	0.04	A	
	ER32-EZ06CSU-020	K40	60.0	20	10	-	-	6	19	-	-	0.04	A	
	ER32-EZ08CSU-020	K40	60.0	20	12	-	-	8	19	-	-	0.04	A	
	ER32-EZ10CSU-030	K40	70.0	30	14	-	-	10	29	-	-	0.06	A	
	ER32-EZ12CSU-030	K40	70.0	30	16	-	-	12	29	-	-	0.06	A	

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ezShrink EREZCSU // ER-EZCSU inch (PAT.)

ezShrink CylindricalSilmlUltra 直柄極細型熱膨脹燒結ER筒夾-英制

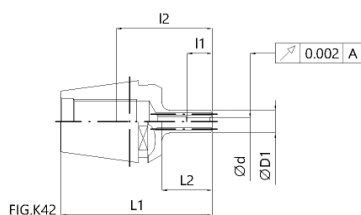
ezShrink CylindricalSlimUltra shrink fit ER collets-inch

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER11-EZ1/8"CSU-0.39"	K40	1.10"	0.39"	0.28"	-	-	1/8"	0.35"	-	-	0.02	A	
	ER11-EZ1/8"CSU-0.78"	K40	1.50"	0.78"	0.28"	-	-	1/8"	0.43"	-	-	0.02	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER16-EZ1/8"CSU-0.39"	K40	1.48"	0.39"	0.28"	-	-	1/8"	0.35"	-	-	0.03	A	
	ER16-EZ1/8"CSU-0.78"	K40	1.87"	0.78"	0.28"	-	-	1/8"	0.43"	-	-	0.03	A	
	ER16-EZ3/16"CSU-0.39"	K40	1.48"	0.39"	0.34"	-	-	3/16"	0.35"	-	-	0.03	A	
	ER16-EZ3/16"CSU-0.78"	K40	1.87"	0.78"	0.34"	-	-	3/16"	0.55"	-	-	0.03	A	
	ER16-EZ1/4"CSU-0.78"	K40	1.87"	0.78"	0.41"	-	-	1/4"	0.75"	-	-	0.03	A	
	ER16-EZ5/16"CSU-0.78"	K40	1.87"	0.78"	0.47"	-	-	5/16"	0.75"	-	-	0.30	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER20-EZ1/8"CSU-0.78"	K40	2.03"	0.78"	0.28"	-	-	1/8"	0.43"	-	-	0.03	A	
	ER20-EZ3/16"CSU-0.78"	K40	2.03"	0.78"	0.34"	-	-	3/16"	0.55"	-	-	0.03	A	
	ER20-EZ1/4"CSU-0.78"	K40	2.03"	0.78"	0.41"	-	-	1/4"	0.75"	-	-	0.03	A	
	ER20-EZ5/16"CSU-0.78"	K40	2.03"	0.78"	0.47"	-	-	5/16"	0.75"	-	-	0.03	A	
	ER20-EZ3/8"CSU-1.18"	K40	2.42"	1.18"	0.53"	-	-	3/8"	1.14"	-	-	0.03	A	
	ER20-EZ7/16"CSU-1.18"	K40	2.42"	1.18"	0.59"	-	-	7/16"	1.14"	-	-	0.05	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER25-EZ1/8"CSU-0.78"	K40	2.13"	0.78"	0.28"	-	-	1/8"	0.43"	-	-	0.04	A	
	ER25-EZ3/16"CSU-0.78"	K40	2.13"	0.78"	0.34"	-	-	3/16"	0.55"	-	-	0.04	A	
	ER25-EZ1/4"CSU-0.78"	K40	2.13"	0.78"	0.41"	-	-	1/4"	0.75"	-	-	0.04	A	
	ER25-EZ5/16"CSU-0.78"	K40	2.13"	0.78"	0.47"	-	-	5/16"	0.75"	-	-	0.04	A	
	ER25-EZ3/8"CSU-1.18"	K40	2.52"	1.18"	0.53"	-	-	3/8"	1.14"	-	-	0.06	A	
	ER25-EZ7/16"CSU-1.18"	K40	2.52"	1.18"	0.59"	-	-	7/16"	1.14"	-	-	0.06	A	
	ER25-EZ1/2"CSU-1.18"	K40	2.52"	1.18"	0.66"	-	-	1/2"	1.14"	-	-	0.06	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER32-EZ1/8"CSU-0.78"	K40	2.36"	0.78"	0.28"	-	-	1/8"	0.43"	-	-	0.04	A	
	ER32-EZ3/16"CSU-0.78"	K40	2.36"	0.78"	0.34"	-	-	3/16"	0.55"	-	-	0.04	A	
	ER32-EZ1/4"CSU-0.78"	K40	2.36"	0.78"	0.41"	-	-	1/4"	0.75"	-	-	0.04	A	
	ER32-EZ5/16"CSU-0.78"	K40	2.36"	0.78"	0.47"	-	-	5/16"	0.75"	-	-	0.04	A	
	ER32-EZ3/8"CSU-1.18"	K40	2.76"	1.18"	0.53"	-	-	3/8"	1.14"	-	-	0.06	A	
	ER32-EZ7/16"CSU-1.18"	K40	2.76"	1.18"	0.59"	-	-	7/16"	1.14"	-	-	0.06	A	
	ER32-EZ1/2"CSU-1.18"	K40	2.76"	1.18"	0.66"	-	-	1/2"	1.14"	-	-	0.06	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

HSS o=高速鋼柄刀具適用 // HSS o=hss shank tool possible | HSS無標示=限用鈹鋼柄刀具 HSS Blank=carbide shank tool only

ezShrink CylindricalSlim 直柄超細型鼻端直向噴水熱膨脹燒結ER筒夾
ezShrink CylindricalSlim shrink fit ER collets with coolant through nose straight



HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER16-EZ03CS-020KZ	K4A	47.5	20	9	-	-	3	11	-	-	0.03	A	
	ER16-EZ04CS-020KZ	K4A	47.5	20	10	-	-	4	14	-	-	0.03	A	
	ER16-EZ05CS-020KZ	K4A	47.5	20	11	-	-	5	17	-	-	0.03	A	
	ER16-EZ06CS-020KZ	K4A	47.5	20	12	-	-	6	19	-	-	0.03	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER20-EZ03CS-020KZ	K4A	51.5	20	9	-	-	3	11	-	-	0.03	A	
	ER20-EZ04CS-020KZ	K4A	51.5	20	10	-	-	4	14	-	-	0.03	A	
	ER20-EZ05CS-020KZ	K4A	51.5	20	11	-	-	5	17	-	-	0.03	A	
	ER20-EZ06CS-020KZ	K4A	51.5	20	12	-	-	6	19	-	-	0.03	A	
	ER20-EZ08CS-020KZ	K4A	51.5	20	14	-	-	8	19	-	-	0.03	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER25-EZ03CS-020KZ	K4A	54.0	20	9	-	-	3	11	-	-	0.04	A	
	ER25-EZ04CS-020KZ	K4A	54.0	20	10	-	-	4	14	-	-	0.04	A	
	ER25-EZ05CS-020KZ	K4A	54.0	20	11	-	-	5	17	-	-	0.04	A	
	ER25-EZ06CS-020KZ	K4A	54.0	20	12	-	-	6	19	-	-	0.04	A	
	ER25-EZ08CS-020KZ	K4A	54.0	20	14	-	-	8	19	-	-	0.04	A	
	ER25-EZ10CS-030KZ	K4A	64.0	30	16	-	-	10	29	-	-	0.06	A	
	ER25-EZ12CS-030KZ	K4A	64.0	30	18	-	-	12	29	-	-	0.06	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER32-EZ03CS-020KZ	K4A	60.0	20	9	-	-	3	11	-	-	0.04	A	
	ER32-EZ04CS-020KZ	K4A	60.0	20	10	-	-	4	14	-	-	0.04	A	
	ER32-EZ05CS-020KZ	K4A	60.0	20	11	-	-	5	17	-	-	0.04	A	
	ER32-EZ06CS-020KZ	K4A	60.0	20	12	-	-	6	19	-	-	0.04	A	
	ER32-EZ08CS-020KZ	K4A	60.0	20	14	-	-	8	19	-	-	0.04	A	
	ER32-EZ10CS-030KZ	K4A	70.0	30	16	-	-	10	29	-	-	0.06	A	
	ER32-EZ12CS-030KZ	K4A	70.0	30	18	-	-	12	29	-	-	0.06	A	

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ezShrink EREZCSKZ // ER-EZCSKZ inch (PAT.)

ezShrink CylindricalSilm 直柄超細型鼻端直向噴水熱膨脹燒結ER筒夾-英制

ezShrink CylindricalSlim shrink fit ER collets with coolant through nose straight-inch

HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER16-EZ1/8"CS-0.78"KZ	K4A	1.87"	0.78"	0.36"	-	-	1/8"	0.43"	-	-	0.03	A	
	ER16-EZ3/16"CS-0.78"KZ	K4A	1.87"	0.78"	0.42"	-	-	3/16"	0.55"	-	-	0.03	A	
	ER16-EZ1/4"CS-0.78"KZ	K4A	1.87"	0.78"	0.47"	-	-	1/4"	0.75"	-	-	0.03	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER20-EZ1/8"CS-0.78"KZ	K4A	2.03"	0.78"	0.36"	-	-	1/8"	0.43"	-	-	0.03	A	
	ER20-EZ3/16"CS-0.78"KZ	K4A	2.03"	0.78"	0.42"	-	-	3/16"	0.55"	-	-	0.03	A	
	ER20-EZ1/4"CS-0.78"KZ	K4A	2.03"	0.78"	0.49"	-	-	1/4"	0.75"	-	-	0.03	A	
	ER20-EZ5/16"CS-0.78"KZ	K4A	2.03"	0.78"	0.55"	-	-	5/16"	0.75"	-	-	0.03	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER25-EZ1/8"CS-0.78"KZ	K4A	2.13"	0.78"	0.36"	-	-	1/8"	0.43"	-	-	0.04	A	
	ER25-EZ3/16"CS-0.78"KZ	K4A	2.13"	0.78"	0.42"	-	-	3/16"	0.55"	-	-	0.04	A	
	ER25-EZ1/4"CS-0.78"KZ	K4A	2.13"	0.78"	0.49"	-	-	1/4"	0.75"	-	-	0.04	A	
	ER25-EZ5/16"CS-0.78"KZ	K4A	2.13"	0.78"	0.55"	-	-	5/16"	0.75"	-	-	0.04	A	
	ER25-EZ3/8"CS-1.18"KZ	K4A	2.52"	1.18"	0.61"	-	-	3/8"	1.14"	-	-	0.04	A	
	ER25-EZ7/16"CS-1.18"KZ	K4A	2.52"	1.18"	0.67"	-	-	7/16"	1.14"	-	-	0.06	A	
	ER25-EZ1/2"CS-1.18"KZ	K4A	2.52"	1.18"	0.74"	-	-	1/2"	1.14"	-	-	0.06	A	
HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-max.	M	W(KG)	GROUP	REMARK
	ER32-EZ1/8"CS-0.78"KZ	K4A	2.36"	0.78"	0.36"	-	-	1/8"	0.43"	-	-	0.04	A	
	ER32-EZ3/16"CS-0.78"KZ	K4A	2.36"	0.78"	0.42"	-	-	3/16"	0.55"	-	-	0.04	A	
	ER32-EZ1/4"CS-0.78"KZ	K4A	2.36"	0.78"	0.49"	-	-	1/4"	0.75"	-	-	0.04	A	
	ER32-EZ5/16"CS-0.78"KZ	K4A	2.36"	0.78"	0.55"	-	-	5/16"	0.75"	-	-	0.04	A	
	ER32-EZ3/8"CS-1.18"KZ	K4A	2.76"	1.18"	0.61"	-	-	3/8"	1.14"	-	-	0.04	A	
	ER32-EZ7/16"CS-1.18"KZ	K4A	2.76"	1.18"	0.67"	-	-	7/16"	1.14"	-	-	0.06	A	
	ER32-EZ1/2"CS-1.18"KZ	K4A	2.76"	1.18"	0.74"	-	-	1/2"	1.14"	-	-	0.06	A	

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Introduction of RETENTION KNOB // PULLSTUD:

Quality of retention knob // pullstud is very important.

It is the connecting part of the toolholder and the spindle of machine.

With the wrong material or heat treatment process,

it will damage the spindle of machine and toolholder seriously.

The main reason of retention knob // pullstud breakage comes from low shear resistance strength.

There are three keys to promote shear resistance strength:

Correct material,

Proper heat treatment process,

Improvement in structure of design.

拉桿螺栓簡介:

拉桿螺栓品質非常重要

它是刀柄與機床主軸結合的重要零件

當拉桿螺栓因材料選用或熱處理方式不當

就會為機床主軸及刀柄帶來重大的損害

造成拉桿螺栓斷裂的關鍵在於抗剪力不足

抗剪力的強度的提升來自於三個方面

選用正確的材料

適當的熱處理程序

機構設計的改善

RETENSION KNOB // PULLSTUD patent:

Low tightening torque with specialized screw glue to reach high clamping torque.

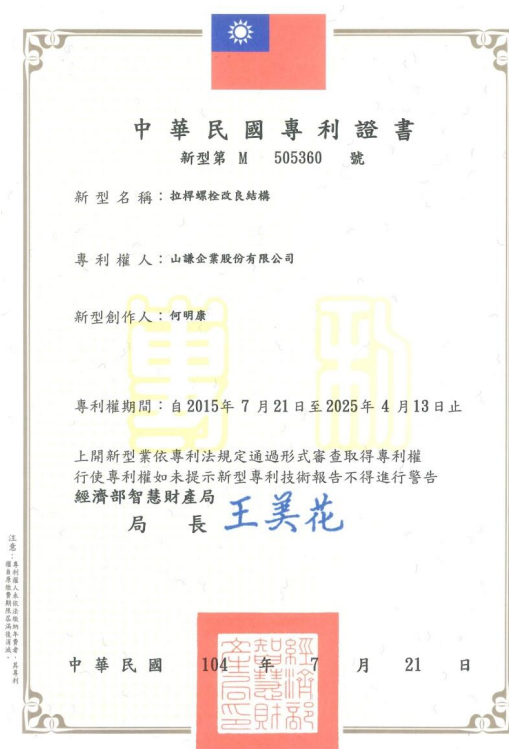
Low tightening torque will maintain the accuracy of toolholder from deformation.

No more slip when tightening with hex wrench.

Dual function design for with and without coolant through.

Improvement in structure of design to promote shear resistance.

PAT. M505360



拉桿螺栓專利:

低扭力鎖緊加上專用的螺絲固定劑達到高扭力鎖固

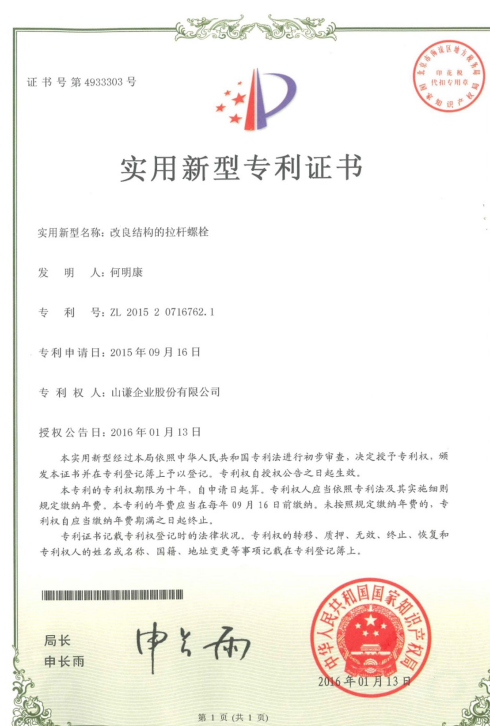
低扭力鎖緊可以讓刀柄保持原有精度使其錐度不變形

六角扳手鎖固時不會有滑脫的狀況

中心出水與中心止水兩用式整合的設計

抗剪力提升的機構設計

PAT. 4933303

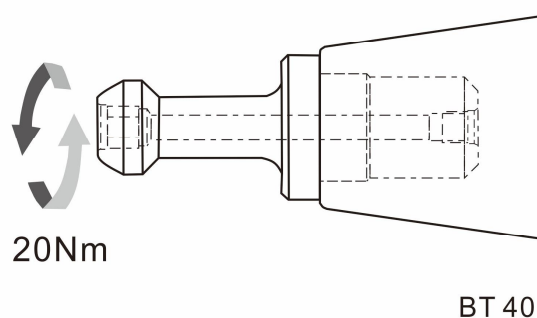


RETENSION KNOB // PULLSTUD deformation with high tighten torque:

拉桿螺栓大鎖緊扭力鎖固造成錐度膨脹變形:

無變形

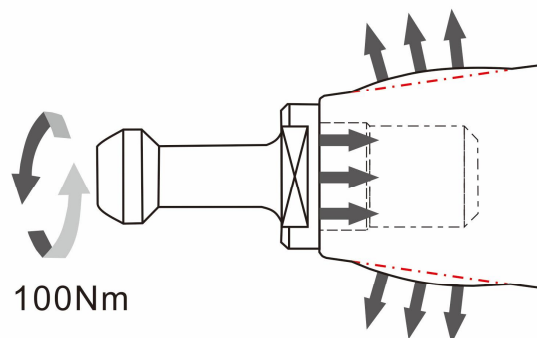
No deformation



BT 40

輕微膨脹變形

Slightly expanded deformation



BT 40

RETENSION KNOB // PULLSTUD operation manual:

拉桿螺栓使用說明:

STEP1

清潔拉桿螺栓與刀柄的牙部及接觸端面

Cleaning retention knob // pullstud and toolholder of thread part and contact face.

STEP2

山謙的專利拉桿螺栓為出水/止水共用型設計

若加工機床為非中心出水型式請鎖上內附的止水螺絲

YAMAKEN's retention knob // pullstud is of dual function design.

You can use it with and without coolant through.

If your machine is without coolant through or coolant through frange,

lock the attached seal screw up before tighten it on toolholder.



STEP 3

使用LOCTITE#243螺絲固定劑

於拉桿螺栓底部第二牙處環繞塗布三點共約0.5ml

LOCTITE#243將會漫開於牙間

Use LOCTITE#243 screw glue on the thread part as following picture.

Put 0.5ml glue on the last two pitch of thread.

The screw glue will spread out in last few thread pitches.



STEP 4

將拉桿螺栓以手旋入刀柄

Screwing the retention knob // pullstud into the toolholder by hand.

注意

將造成鎖緊扭力過強而無法拆卸

Caution

Too much screw glue will bring too high clamping torque.

It may bring some difficulty to loosen it.



STEP 5

以扭力扳手鎖緊拉桿螺栓

鎖緊扭力為#30-10Nm // #40-20Nm // #50-40Nm

Use torque wrench to tighten retention knob // pullstud.

Tightening torque #30-10Nm // #40-20Nm // #50-40Nm.



STEP 6

LOCTITE#243螺絲固定劑初固時間五分鐘・全固時間24小時

全固化後再上線使用

LOCTITE#243 needs 5 minutes to solidify.

To solidify completely will take 24 hours.

Use it after it solidified completely.

RETENSION KNOB // PULLSTUD RF rust-proof coating:

拉桿螺栓RF防鏽鍍層



RETENTION KNOB // PULLSTUD technical information :

拉桿螺栓技術資料:

ITEM: RKBTP40T1-45
BT40-45°coolant through retention knob // pullstud

品名: RKBTP40T1-45
BT40-45度中心出水拉桿螺栓

MATERIAL: SNCM420/4320/20CrNi2Mo/
HEAT TREATMENT: CARBURIZING
HARDNESS: HRC 58~60
TENSILE RESISTANT STRENGTH: 9,800kgf
SHEAR RESISTANT STRENGTH : 1,510kgf

材料: SNCM420/4320/20CrNi2Mo/
熱處理: 滲碳
硬度: HRC 58~60
抗拉力: 9,800kgf
抗剪力: 1,510kgf

1kgf=9.8N

1kgf=9.8N

Tensile resistant strength is resistant force of material in axial direction.
The bigger the cross-sectional area, the higher the tensile resistant strength.

抗拉力是材料對於軸向的抵抗力
截面積越大者抗拉力就會越大

If we want to calculate the tensile resistant strength (N/mm²),
we need to calculate the cross-sectional area first.

如果我們要計算材料的抗拉強度(N/mm²)
則需要先算出斷面截面積

RKBTP40T1-45
BT40-45 °coolant though retention knob // pullstud

RKBTP40T1-45
BT40-45度中心出水拉桿螺栓

The neck is 10mm, coolant hole is 4mm.
Cross-sectional area is $(10 \times 10 / 4 - 4 \times 4 / 4) \times \pi = 21 \times 3.1416 = 65.97 \text{ mm}^2$

這項產品的頸部是10mm 水孔是4mm
斷面截面積是 $(10 \times 10 / 4 - 4 \times 4 / 4) \times \pi = 21 \times 3.1416 = 65.97 \text{ mm}^2$

Tensile resistant strength is 9,800kgf=96,040N
Average tensile resistant strength is $96,040 \text{ N} / 65.97 \text{ mm}^2 = 1,456 \text{ N/mm}^2$

抗拉力是9,800kgf=96,040N
成品材料的抗拉強度是 $96,040 \text{ N} / 65.97 \text{ mm}^2 = 1,456 \text{ N/mm}^2$

Shear resistant strength is resistant force of material in radial direction.
Different structure in design with the same cross-sectional area
will generate different shear resistant strength.

抗剪力是材料對於徑向的抵抗力
相同的截面積加上不同的機構設計
會產生不同的抗剪力

Shear resistant strength is 1,510kgf=14,798N

抗剪力是1,510kgf=14,798N

#40 spindle pulling force
International standard is 1200kgf(11,760N)
The tensile and shear resistant strength of retention knob // pullstud
should be high enough to resist spindle pulling force.
Retention knob // pullstud may break with low shear resistant strength.
The breakage will destroy the spindle of machine and toolholder.

#40主軸的拉力
國際標準是1200kgf(11,760N)
拉桿螺栓的抗拉力與抗剪力需要達到足夠對抗主軸拉力強度
抗剪力不足的拉桿螺栓會產生斷裂
加工中斷裂的拉桿螺栓會讓運作中的主直軸直接損毀

RETENTION KNOB // PULLSTUD comparison :

拉桿螺栓強度比較:

Retention knob // pullstud that made in Japan is with
tensile resistant strength 11,360kgf=111,328N
shear resistant strength 1,300kgf=12,740N

日本製的實心拉桿螺栓
抗拉力是11,360kgf=111,328N
抗剪力是1,300kgf=12,740N

It is solid with cross-sectional area $10 \times 10 / 4 \times \pi = 78.54 \text{ mm}^2$
Average tensile resistant strength is $111,328 \text{ N} / 78.54 \text{ mm}^2 = 1,417 \text{ N/mm}^2$

實心拉桿螺栓的斷面截面積是 $10 \times 10 / 4 \times \pi = 78.54 \text{ mm}^2$
成品材料的抗拉強度是 $111,328 \text{ N} / 78.54 \text{ mm}^2 = 1,417 \text{ N/mm}^2$

YAMAKEN's retention knob // pullstud is with 16% higher
in shear resistant strength than those made in Japan.

山謙製的拉桿螺栓比日本製的在抗剪上多了16%

RETENSION KNOB // PULLSTUD test report :

拉桿螺栓測試報告:

Tensile test

Shear test

金屬工業研究發展中心區域研發服務處(中區)
METAL INDUSTRIES RESEARCH & DEVELOPMENT CENTRE
REGIONAL R&D SERVICE DEPARTMENT (TACHUNG)
40768 台中市工業區 37 路 25 號 TEL : (04)23502169
No.25, 37th Road, Industrial Park, 40768 Taichung, Taiwan
機械測試實驗室
Mechanical Testing Laboratory

委託者: 山謙企業股份有限公司
Applicant YAMAKEN TOOL CO., LTD.
取樣者: ---
Sampler ---
工程名稱: ---
Source of Sample ---

檢測編號: E1001002-T01
Application No
收件日期: 2015/11/03
Received Date
寄發日期: 2015/11/04
Date Issued
Page 1 of 1

(1).Name of Article : PSBT4045-P40T1
(2). Test Item : Tensile Test
(3). Testing method : According to the applicant
(4).Testing Instrument : Universal Testing Machine (No.TG0101)
(5).Result :
Max. Load : 9,800 kgf
--- End ---



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Report Authorized Person

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Applicant YAMAKEN TOOL CO., LTD.
取樣者: ---
Sampler ---
工程名稱: ---
Source of Sample ---

檢測編號: E1001002-T04
Application No
收件日期: 2015/11/03
Received Date
寄發日期: 2015/11/04
Date Issued
Page 1 of 1

(1).Name of Article : PSBT4045-P40T1
(2). Test Item : Bending Strength Test
(3). Testing method : According to the applicant
(4).Testing Instrument : Universal Testing Machine (No.TG0101)
(5).Result :
Max. Load : 1,510 kgf
--- End ---



Testing



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RETENTION KNOB // PULLSTUD tensile test :

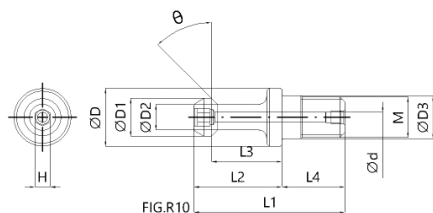
拉桿螺栓抗拉力測試:



RETENTION KNOB // PULLSTUD shear test:

拉桿螺栓抗剪力測試:

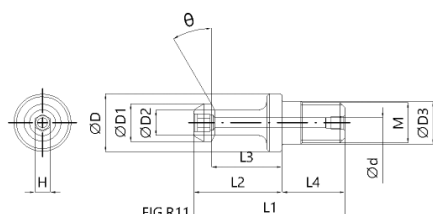




STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
◎	RF RKBTP30T1-45	R10	43.00	23.00	18.00	20.00	16.50	11.00	7.00	12.50	M12*P1.75	45°	2.5	4	0.05	D	
◎	RF RKBTP40T1-45	R10	60.00	35.00	28.00	25.00	23.00	15.00	10.00	17.00	M16*P2.00	45°	4.0	6	0.10	D	
◎	RF RKBTP50T1-45	R10	85.00	45.00	35.00	40.00	38.00	23.00	17.00	25.00	M24*P3.00	45°	6.0	10	0.30	D	
◎	RF RKBTP30T1-45F	R10	43.00	23.00	18.00	20.00	16.50	11.00	8.00	12.50	M12*P1.75	45°	3.8	4	0.05	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

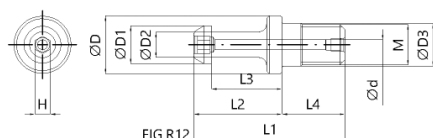
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
◎	RF RKBTP30T2-30	R11	43.00	23.00	18.00	20.00	16.50	11.00	7.00	12.50	M12*P1.75	30°	2.5	4	0.05	D	
◎	RF RKBTP40T2-30	R11	60.00	35.00	28.00	25.00	23.00	15.00	10.00	17.00	M16*P2.00	30°	4.0	6	0.10	D	
◎	RF RKBTP50T2-30	R11	85.00	45.00	35.00	40.00	38.00	23.00	17.00	25.00	M24*P3.00	30°	6.0	10	0.30	D	
◎	RF RKBTP30T2-30B	R11	43.00	23.00	18.00	20.00	16.50	11.00	7.50	12.50	M12*P1.75	30°	2.5	4	0.05	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKBTP30T3-90	R12	43.00	23.00	18.00	20.00	16.50	11.00	7.00	12.50	M12*P1.75	90°	2.5	4	0.05	D	
◎	RF RKBTP40T3-90	R12	60.00	35.00	28.00	25.00	23.00	15.00	10.00	17.00	M16*P2.00	90°	4.0	6	0.10	D	
◎	RF RKBTP50T3-90	R12	85.00	45.00	35.00	40.00	38.00	23.00	17.00	25.00	M24*P3.00	90°	6.0	10	0.30	D	

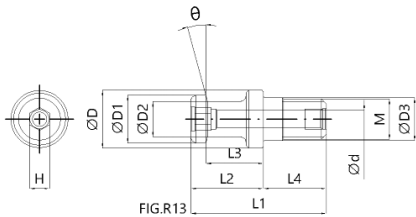
出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

ezShrink // RK & CT // RF RK-BT (PAT.)

RF防鏽鍍層RK拉桿螺栓

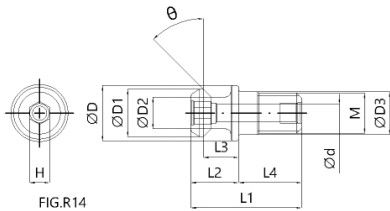
RF rust proof coating RK retention knobs / pullstuds



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
◎	RF RKBT30JISB6339-15	R13	42.85	23.25	18.25	20.00	16.50	12.00	8.00	12.50	M12*P1.75	15°	3.8	4	0.05	D	
◎	RF RKBT40JISB6339-15	R13	53.85	28.85	22.85	25.00	23.00	19.00	14.00	17.00	M16*P2.00	15°	6.8	8	0.10	D	
◎	RF RKBT50JISB6339-15	R13	73.80	33.80	24.80	40.00	38.00	28.00	21.00	24.00	M24*P3.00	15°	10.0	12	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

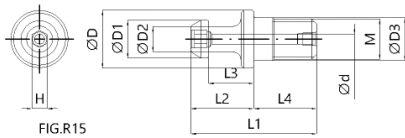
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKBT30ANSI-45YM	R14	30.95	10.95	7.40	20.00	16.25	13.20	9.78	12.50	M12*P1.75	45°	3.8	4	0.05	D	
◎	RF RKBT40ANSI-45YM	R14	44.10	19.10	14.00	25.00	22.00	18.80	12.45	17.00	M16*P2.00	45°	6.8	8	0.10	D	
◎	RF RKBT50ANSI-45YM	R14	65.20	25.20	17.60	40.00	36.00	28.95	20.83	25.00	M24*P3.00	45°	10.0	12	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

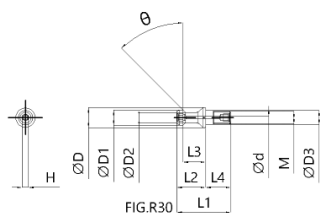
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKBTMP30-90MI	R15	40.00	20.00	15.00	20.00	16.50	11.00	7.00	12.50	M12*P1.75	90°	2.5	4	0.05	D	
	RF RKBTMP40-90MI	R15	50.00	25.00	18.00	25.00	23.00	15.00	10.00	17.00	M16*P2.00	90°	4.0	6	0.10	D	
	RF RKBTMP50-90MI	R15	71.00	31.00	21.00	40.00	38.00	24.00	18.00	25.00	M24*P3.00	90°	6.0	10	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

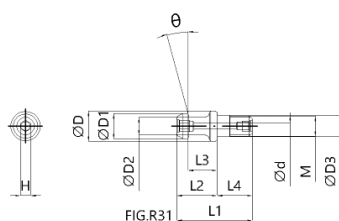
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
◎	RF RKISO10A-45	R30	21.50	11.50	9.00	10.00	8.00	6.00	4.00	5.50	M5*P0.8	45°	1.0	2.5	0.01	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
◎	RF RKISO20BJ-15	R31	26.00	12.00	9.00	14.00	11.40	9.00	6.00	8.50	M8*P1.25	15°	2.5	3	0.03	D	
◎	RF RKISO25BJ-15	R31	30.00	16.00	11.50	14.00	12.00	10.00	7.00	8.50	M8*P1.25	15°	2.5	4	0.03	D	
	RF RKISO30-15	R31	44.00	24.00	19.00	20.00	17.00	13.00	9.00	13.00	M12*P1.75	15°	3.8	4	0.05	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

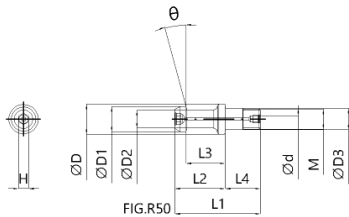
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RF RKISO30-15 = RF RKSK30DIN69872-15

ezShrink // RK & CT // RF RK-BTS (PAT.)

RF防鏽鍍層RK拉桿螺栓

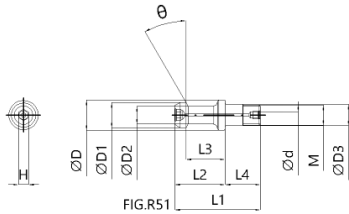
RF rust proof coating RK retention knobs / pullstuds



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKBTS05P1-15	R50	20.00	11.00	8.50	9.00	6.50	5.00	3.00	4.50	M4*P0.7	15°	1.0	2	0.01	D	
	RF RKBTS10P1-15	R50	23.00	13.00	10.00	10.00	8.00	6.00	4.00	5.50	M5*P0.8	15°	1.5	2.5	0.01	D	
	RF RKBTS15P1-15	R50	26.00	15.00	11.50	11.00	10.00	7.00	5.00	6.50	M6*P1.0	15°	2.0	2.5	0.03	D	
	RF RKBTS20R1-15	R50	34.50	20.50	16.00	14.00	14.00	9.50	7.00	8.50	M8*P1.25	15°	2.5	3	0.03	D	
	RF RKBTS20P1-15	R50	31.50	17.50	13.50	14.00	12.00	8.50	6.00	8.50	M8*P1.25	15°	2.5	3	0.03	D	
	RF RKBTS25P1-15	R50	34.00	20.00	15.50	14.00	12.00	10.00	7.00	8.50	M8*P1.25	15°	2.5	4	0.03	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

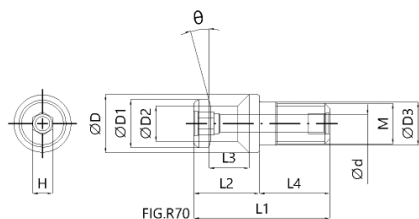
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKBTS05P2-30	R51	20.00	11.00	8.50	9.00	6.50	5.00	3.00	4.50	M4*P0.7	30°	1.0	2	0.01	D	
	RF RKBTS10P2-30	R51	23.00	13.00	10.00	10.00	8.00	6.00	4.00	5.50	M5*P0.8	30°	1.5	2.5	0.01	D	
	RF RKBTS15P2-30	R51	26.00	15.00	11.50	11.00	10.00	7.00	5.00	6.50	M6*P1.0	30°	2.0	2.5	0.03	D	
	RF RKBTS20R2-30	R51	34.50	20.50	16.00	14.00	14.00	9.50	7.00	8.50	M8*P1.25	30°	2.5	3	0.03	D	
	RF RKBTS20P2-30	R51	31.50	17.50	13.50	14.00	12.00	8.50	6.00	8.50	M8*P1.25	30°	2.5	3	0.03	D	
	RF RKBTS25P2-30	R51	34.00	20.00	15.50	14.00	12.00	10.00	7.00	8.50	M8*P1.25	30°	2.5	4	0.03	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

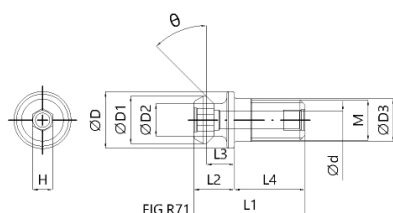
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
◎	RF RSK30DIN69872-15	R70	44.00	24.00	19.00	20.00	17.00	13.00	9.00	13.00	M12*P1.75	15°	3.8	4	0.05	D	
◎	RF RSK40DIN69872-15	R70	54.00	26.00	20.00	28.00	23.00	19.00	14.00	17.00	M16*P2.00	15°	6.8	8	0.10	D	
◎	RF RSK50DIN69872-15	R70	74.00	34.00	25.00	40.00	36.00	28.00	21.00	25.00	M24*P3.00	15°	10.0	12	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

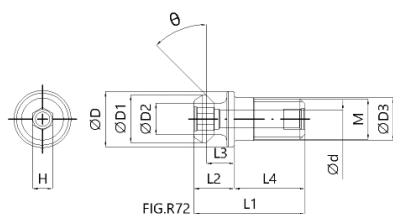
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RSK30ISO7388-2B-45	R71	31.70	11.70	8.15	20.00	16.25	13.20	9.15	13.00	M24*P3.00	45°	3.8	4	0.05	D	
◎	RF RSK40ISO7388-2B-45	R71	44.25	16.25	11.15	28.00	22.00	18.80	12.80	17.00	M16*P2.00	45°	6.8	8	0.10	D	
◎	RF RSK50ISO7388-2B-45	R71	65.40	25.40	17.80	40.00	36.00	28.95	19.45	25.00	M24*P3.00	45°	10.0	12	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RSK30ANSI-45YM	R72	31.70	11.70	8.15	20.00	16.25	13.20	9.78	13.00	M12*P1.75	45°	3.8	4	0.05	D	
	RF RSK40ANSI-45YM	R72	44.25	16.25	11.15	28.00	22.00	18.80	12.45	17.00	M16*P2.00	45°	6.8	8	0.10	D	
	RF RSK50ANSI-45YM	R72	65.40	25.40	17.80	40.00	36.00	28.95	20.83	25.00	M24*P3.00	45°	10.0	12	0.30	D	

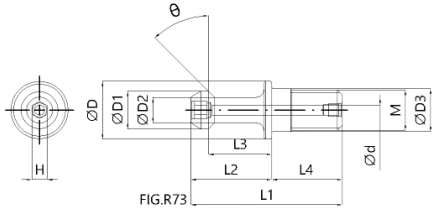
出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

ezShrink // RK & CT // RF RK-SK (PAT.)

RF防鏽鍍層RK拉桿螺栓

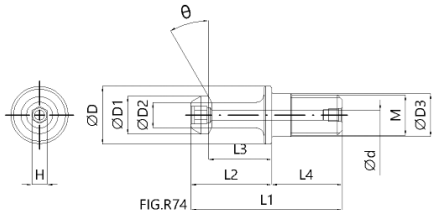
RF rust proof coating RK retention knobs / pullstuds



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RSKP30T1-45	R73	43.75	23.75	18.75	20.00	16.50	11.00	7.00	12.50	M12*P1.75	45°	2.5	4	0.05	D	
◎	RF RSKP40T1-45	R73	60.15	32.15	25.15	28.00	23.00	15.00	10.00	17.00	M16*P2.00	45°	4.0	6	0.10	D	
◎	RF RSKP50T1-45	R73	85.20	45.20	35.20	40.00	38.00	23.00	17.00	25.00	M24*P3.00	45°	6.0	10	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

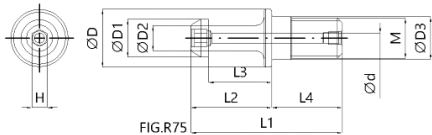
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RSKP30T2-30	R74	43.75	23.75	18.75	20.00	16.50	11.00	7.00	12.50	M12*P1.75	30°	2.5	4	0.05	D	
	RF RSKP40T2-30	R74	60.15	32.15	25.15	28.00	23.00	15.00	10.00	17.00	M16*P2.00	30°	4.0	6	0.10	D	
	RF RSKP50T2-30	R74	85.20	45.20	35.20	40.00	38.00	23.00	17.00	25.00	M24*P3.00	30°	6.0	10	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

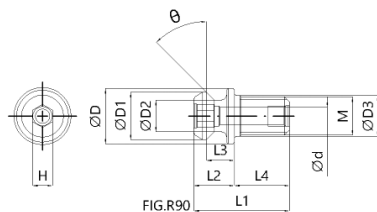
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RSKP30T3-90	R75	43.75	23.75	18.75	20.00	16.50	11.00	7.00	12.50	M12*P1.75	90°	2.5	4	0.05	D	
	RF RSKP40T3-90	R75	60.15	32.15	25.15	28.00	23.00	15.00	10.00	17.00	M16*P2.00	90°	4.0	6	0.10	D	
	RF RSKP50T3-90	R75	85.20	45.20	35.20	40.00	38.00	23.00	17.00	25.00	M24*P3.00	90°	6.0	10	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

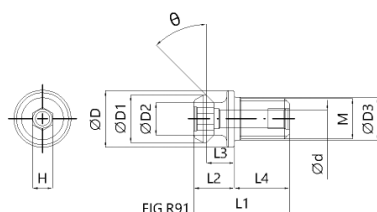
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCAT30ANSI-45	R90	1.10"	0.46"	0.32"	0.64"	0.65"	0.52"	0.39"	0.52"	UNC1/2"-13	45°	0.15"	4	0.05	D	
◎	RF RKCAT40ANSI-45	R90	1.50"	0.64"	0.44"	0.86"	0.87"	0.74"	0.49"	0.64"	UNC5/8"-11	45°	0.27"	8	0.10	D	
◎	RF RKCAT50ANSI-45	R90	2.23"	1.00"	0.70"	1.30"	1.42"	1.14"	0.82"	1.03"	UNC1"-8	45°	0.39"	12	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

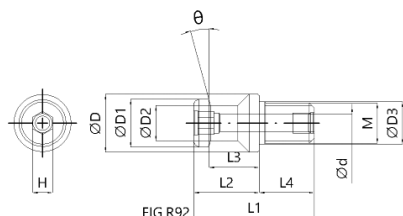
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCAT30ISO7388-2B-45	R91	1.10"	0.46"	0.32"	0.64"	0.65"	0.52"	0.36"	0.52"	UNC1/2"-13	45°	0.15"	4	0.05	D	
	RF RKCAT40ISO7388-2B-45	R91	1.50"	0.64"	0.44"	0.86"	0.87"	0.74"	0.50"	0.64"	UNC5/8"-11	45°	0.27"	8	0.10	D	
	RF RKCAT50ISO7388-2B-45	R91	2.23"	1.00"	0.70"	1.30"	1.42"	1.14"	0.77"	1.03"	UNC1"-8	45°	0.39"	12	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

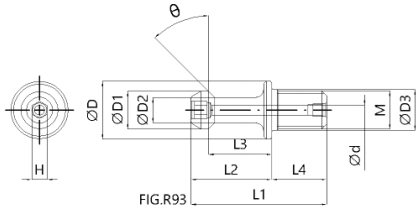


STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCAT30DIN69872-15	R92	1.58"	0.94"	0.75"	0.64"	0.67"	0.51"	0.35"	0.52"	UNC1/2"-13	15°	0.15"	4	0.05	D	
◎	RF RKCAT40DIN69872-15	R92	1.88"	1.02"	0.79"	0.86"	0.89"	0.75"	0.51"	0.64"	UNC5/8"-11	15°	0.27"	8	0.10	D	
◎	RF RKCAT50DIN69872-15	R92	2.64"	1.34"	0.98"	1.30"	1.46"	1.15"	0.77"	1.03"	UNC1"-8	15°	0.39"	12	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

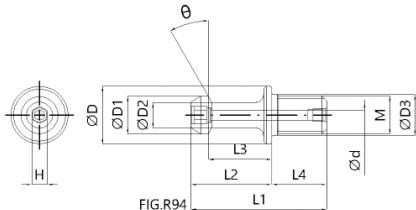
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RF防鏽鍍層RK拉桿螺栓
RF rust proof coating RK retention knobs / pullstuds



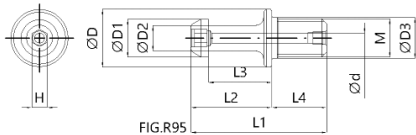
STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCATP30T1-45	R93	1.57"	0.94"	0.74"	0.64"	0.65"	0.43"	0.28"	0.52"	UNC1/2"-13	45°	0.10"	4	0.05	D	
◎	RF RKCATP40T1-45	R93	2.13"	1.27"	0.99"	0.86"	0.91"	0.59"	0.39"	0.64"	UNC5/8"-11	45°	0.16"	6	0.10	D	
◎	RF RKCATP50T1-45	R93	3.08"	1.78"	1.39"	1.30"	1.50"	0.91"	0.67"	1.03"	UNC1"-8	45°	0.24"	10	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCATP30T2-30	R94	1.57"	0.94"	0.74"	0.64"	0.65"	0.43"	0.28"	0.52"	UNC1/2"-13	30°	0.10"	4	0.05	D	
	RF RKCATP40T2-30	R94	2.13"	1.27"	0.99"	0.86"	0.91"	0.59"	0.39"	0.64"	UNC5/8"-11	30°	0.16"	6	0.10	D	
	RF RKCATP50T2-30	R94	3.08"	1.78"	1.39"	1.30"	1.50"	0.91"	0.67"	1.03"	UNC1"-8	30°	0.24"	10	0.30	D	

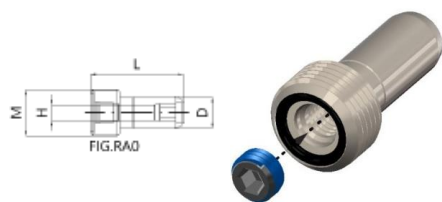
出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCATP30T3-90	R95	1.57"	0.94"	0.74"	0.64"	0.65"	0.43"	0.28"	0.52"	UNC1/2"-13	90°	0.10"	4	0.05	D	
	RF RKCATP40T3-90	R95	2.13"	1.27"	0.99"	0.86"	0.91"	0.59"	0.39"	0.64"	UNC5/8"-11	90°	0.16"	6	0.10	D	
	RF RKCATP50T3-90	R95	3.08"	1.78"	1.39"	1.30"	1.50"	0.91"	0.67"	1.03"	UNC1"-8	90°	0.24"	10	0.30	D	

出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

RF CT // HSK刀柄用RF防鏽鍍層固定式出水導管 // RF rust proof coating fixed type coolant tube for HSK toolholder



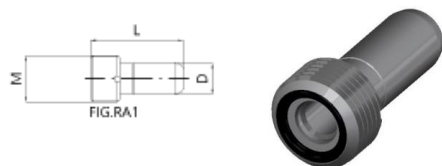
STOCK	CODE	HSK	M	D	L	H	W(KG)	GROUP	REMARK
◎	RF HSK-CTSH-032	32	M10*1.0	6	26.0	3	0.01	D	
◎	RF HSK-CTSH-040	40	M12*1.0	8	29.0	4	0.02	D	
◎	RF HSK-CTSH-050	50	M16*1.0	10	33.0	5	0.03	D	
◎	RF HSK-CTSH-063	63	M18*1.0	12	36.5	6	0.04	D	
	RF HSK-CTSH-080	80	M20*1.5	14	39.5	6	0.05	D	
◎	RF HSK-CTSH-100	100	M24*1.5	16	43.5	8	0.06	D	

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STOCK無標示=接單生產品 // STOCK BLANK=on request

CT // HSK刀柄用活動式出水導管 // Flexible type coolant tube for HSK toolholder



STOCK	CODE	HSK	M	D	L	W(KG)	GROUP	REMARK
	HSK-CT-A032	32	M10*1.0	6	26.0	0.01	G	
	HSK-CT-A040	40	M12*1.0	8	29.0	0.02	G	
	HSK-CT-A050	50	M16*1.0	10	33.0	0.03	G	
	HSK-CT-A063	63	M18*1.0	12	36.5	0.04	G	
	HSK-CT-A080	80	M20*1.5	14	39.5	0.05	G	
	HSK-CT-A100	100	M24*1.5	16	43.5	0.06	G	

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STOCK無標示=接單生產品 // STOCK BLANK=on request

W-CT // HSK刀柄用活動式出水導管扳手 // Flexible type coolant tube for HSK toolholder wrench



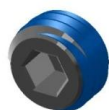
STOCK	CODE	HSK	W(KG)	GROUP	REMARK
	W-HSK-CT-A032	32	0.15	G	
	W-HSK-CT-A040	40	0.15	G	
	W-HSK-CT-A050	50	0.15	G	
	W-HSK-CT-A063	63	0.15	G	
	W-HSK-CT-A080	80	0.20	G	
	W-HSK-CT-A100	100	0.20	G	

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RF防鏽鍍層拉桿螺栓與固定式出水導管用止水耐落螺絲 // Sealed screw for RF rustproof coating retention knob and fixed type coolant tube



STOCK	CODE	W(KG)	GROUP	REMARK
◎	BK-NY-M02	0.001	D	
◎	BK-NY-M03	0.001	D	
◎	BK-NY-M04	0.001	D	
◎	BK-NY-M05	0.001	D	
◎	BK-NY-M06	0.001	D	
◎	BK-NY-M08	0.001	D	
◎	BK-NY-M10	0.003	D	
◎	BK-NY-M12	0.005	D	

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RF防鏽鍍層拉桿螺栓用固定膠 // Glu for RF rustproof coating retention knob



STOCK	CODE	W(KG)	GROUP	REMARK
◎	RK-GLU243005	0.01	D	
	RK-GLU243100	0.15	D	

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W-TW // 快換式扭力扳手 // Interchangeable torque wrench

STOCK	CODE	W(KG)	GROUP	REMARK
◎	W-TW-09*12-002/010Nm TORQUE WRENCH 260mm 0.1Nm	0.50	E	
◎	W-TW-09*12-004/020Nm TORQUE WRENCH 305mm 0.1Nm	0.60	E	
◎	W-TW-09*12-010/060Nm TORQUE WRENCH 305mm 0.5Nm	0.60	E	
◎	W-TW-14*18-020/100Nm TORQUE WRENCH 430mm 0.5Nm	1.30	E	
◎	W-TW-14*18-040/200Nm TORQUE WRENCH 485mm 1.0Nm	1.40	E	

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RF W-WH // RF防鏽鍍層快換式扳手 // RF rustproof coating interchangeable wrench attachment adaptor

STOCK	CODE	W(KG)	GROUP	REMARK
◎	RF W-WH1216110 WRENCH ATTACHMENT ADAPTOR	0.30	C	
◎	RF W-WH1820110 WRENCH ATTACHMENT ADAPTOR	0.30	C	

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RF W-TWH // RF防鏽鍍層快換式六角扳手頭 // RF rustproof coating interchangeable hex wrench attachment

STOCK	CODE	W(KG)	GROUP	REMARK
◎	RF W-TWH12HEX12	0.20	C	
◎	RF W-TWH18HEX12	0.20	C	

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RF W-TW-HEX // RF防鏽鍍層快換式六角扳手頭用六角扳手 / RF rustproof coating interchangeable hex wrench bit

STOCK	CODE	W(KG)	GROUP	REMARK
◎	RF W-TW-HEX12HEX015	0.01	C	
◎	RF W-TW-HEX12HEX020	0.01	C	
◎	RF W-TW-HEX12HEX025	0.01	C	
◎	RF W-TW-HEX12HEX030	0.01	C	
◎	RF W-TW-HEX12HEX040	0.02	C	
◎	RF W-TW-HEX12HEX050	0.02	C	
◎	RF W-TW-HEX12HEX060	0.02	C	
◎	RF W-TW-HEX12HEX080	0.02	C	
◎	RF W-TW-HEX12HEX100	0.03	C	
◎	RF W-TW-HEX12HEX120	0.03	C	

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STOCK 無標示=接單生產品 // STOCK BLANK=on request



TLF // 全圓全包覆式鎖刀座 // Round type toolholder locking fixture

STOCK	CODE	W(KG)	GROUP	REMARK
	TLF-R-β-BT30	-	C	
	TLF-R-β-BT40	-	C	
	TLF-R-β-BT50	-	C	
	TLF-R-BT30	-	C	
	TLF-R-BT40	-	C	
	TLF-R-BT50	-	C	
	TLF-R-ISO05	-	C	
	TLF-R-ISO10	-	C	
	TLF-R-ISO15	-	C	
	TLF-R-ISO20	-	C	
	TLF-R-ISO25	-	C	
	TLF-R-BTS05	-	C	
	TLF-R-BTS10	-	C	
	TLF-R-BTS15	-	C	
	TLF-R-BTS20	-	C	
	TLF-R-BTS25	-	C	
	TLF-R-β-SK30	-	C	
	TLF-R-β-SK40	-	C	
	TLF-R-β-SK50	-	C	
	TLF-R-SK30	-	C	
	TLF-R-SK40	-	C	
	TLF-R-SK50	-	C	
	TLF-R-β-CAT30	-	C	
	TLF-R-β-CAT40	-	C	
	TLF-R-β-CAT50	-	C	
	TLF-R-CAT30	-	C	
	TLF-R-CAT40	-	C	
	TLF-R-CAT50	-	C	
	TLF-R-HSK025	-	C	
	TLF-R-HSK032	-	C	
	TLF-R-HSK040	-	C	
	TLF-R-HSK050	-	C	
	TLF-R-HSK063	-	C	
	TLF-R-HSK063P	-	C	
	TLF-R-HSK080	-	C	
	TLF-R-HSK080P	-	C	
	TLF-R-HSK100	-	C	
	TLF-R-PSC032	-	C	
	TLF-R-PSC040	-	C	
	TLF-R-PSC050	-	C	
	TLF-R-PSC063	-	C	
	TLF-R-PSC063	-	C	

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STOCK 無標示=接單生產 // STOCK BLANK=on request

ER筒夾收納料盤 // ER collet tray

STOCK	CODE	W(KG)	GROUP	REMARK
◎	ER TRAY ER16	0.1	G	
◎	ER TRAY ER20	0.1	G	
◎	ER TRAY ER25	0.1	G	
◎	ER TRAY ER32	0.1	G	

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EZ彩色積木收納料盤 // EZ color blocks tray

STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ COLOR BLOCKS TRAY-ALL 04/20	0.3	G	
◎	EZ COLOR BLOCKS TRAY-04	0.3	G	
◎	EZ COLOR BLOCKS TRAY-06	0.3	G	
◎	EZ COLOR BLOCKS TRAY-08	0.3	G	
◎	EZ COLOR BLOCKS TRAY-10	0.3	G	
◎	EZ COLOR BLOCKS TRAY-12	0.3	G	
	EZ COLOR BLOCKS TRAY-14	0.3	G	
◎	EZ COLOR BLOCKS TRAY-16	0.3	G	
◎	EZ COLOR BLOCKS TRAY-20	0.2	G	
	EZ COLOR BLOCKS TRAY-1/8"	0.3	G	
	EZ COLOR BLOCKS TRAY-3/16"	0.3	G	
	EZ COLOR BLOCKS TRAY-1/4"	0.3	G	
	EZ COLOR BLOCKS TRAY-5/16"	0.3	G	
	EZ COLOR BLOCKS TRAY-3/8"	0.3	G	
	EZ COLOR BLOCKS TRAY-7/16"	0.3	G	
	EZ COLOR BLOCKS TRAY-1/2"	0.3	G	
	EZ COLOR BLOCKS TRAY-5/8"	0.3	G	
	EZ COLOR BLOCKS TRAY-3/4"	0.3	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock
STOCK ○=少量在庫品 // STOCK ○=few stock
STOCK 無標示=接單生產品 // STOCK BLANK=on request



EZ變形變徑收納料盤 // EZ flexible tray

STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ FLEXIBLE TRAY	1	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock
STOCK ○=少量在庫品 // STOCK ○=few stock
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RT // 刀柄偏擺檢驗儀與錐度轉換套 // Runout tester for toolholder and reduction sleeve



STOCK	CODE	W(KG)	GROUP	REMARK
◎	RT-NO30	-	G	
◎	RT-NO40	-	G	
◎	RT-NO50	-	G	
	RT-RS-NO30-NO05	-	G	
	RT-RS-NO30-NO10	-	G	
	RT-RS-NO30-NO15	-	G	
	RT-RS-NO30-NO20	-	G	
	RT-RS-NO30-NO25	-	G	
	RT-RS-NO40-NO05	-	G	
	RT-RS-NO40-NO10	-	G	
	RT-RS-NO40-NO15	-	G	
	RT-RS-NO40-NO20	-	G	
	RT-RS-NO40-NO25	-	G	
	RT-RS-NO40-NO30	-	G	
	RT-RS-NO40-H025	-	G	
	RT-RS-NO40-H032	-	G	
	RT-RS-NO40-H040	-	G	
	RT-RS-NO40-H050	-	G	
	RT-RS-NO50-NO30	-	G	
	RT-RS-NO50-NO40	-	G	
	RT-RS-NO50-H025	-	G	
	RT-RS-NO50-H032	-	G	
	RT-RS-NO50-H040	-	G	
	RT-RS-NO50-H050	-	G	
	RT-RS-NO50-H063	-	G	
	RT-RS-NO50-H080	-	G	
	RT-RS-NO50-H100	-	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

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STOCK無標示=接單生產品 // STOCK BLANK=on request

ezShrink

ezShrink 熱膨脹燒結刀柄附件

ezShrink shrink fit chucks accessories

ezShrink 刀具柄部固定器 / ezShrink cutter shank holder

STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZSH03	0.01	G	
◎	EZSH04	0.01	G	
◎	EZSH05	0.01	G	
◎	EZSH06	0.02	G	
◎	EZSH08	0.02	G	
◎	EZSH10	0.02	G	
◎	EZSH12	0.02	G	
◎	EZSH14	0.03	G	
◎	EZSH16	0.03	G	
◎	EZSH18	0.03	G	
◎	EZSH20	0.03	G	
◎	EZSH25	0.04	G	
◎	EZSH32	0.04	G	
	EZSH1/8"	0.01	G	
	EZSH3/16"	0.01	G	
	EZSH1/4"	0.02	G	
	EZSH5/16"	0.02	G	
	EZSH3/8"	0.02	G	
	EZSH7/16"	0.02	G	
	EZSH1/2"	0.03	G	
	EZSH5/8"	0.03	G	
	EZSH3/4"	0.03	G	
	EZSH7/8"	0.03	G	
	EZSH1"	0.04	G	
	EZSH1 1/4"	0.04	G	



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裝刀步驟一 IN step 1



裝刀步驟二 IN step 2



裝刀步驟三 IN step 3



裝刀步驟四 IN step 4



裝刀步驟五 IN step 5



裝刀步驟六 IN step 6



拆刀步驟一 OUT step 1



拆刀步驟二 OUT step 2



拆刀步驟三 OUT step 3



拆刀步驟四 OUT step 4

ezShrink 不鏽鋼熱膨脹燒結刀柄導熱套 / ezShrink heating sleeve for stainless shrink chuck

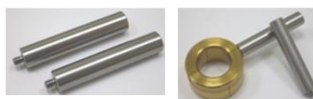


STOCK	CODE		W(KG)	GROUP	REMARK
◎	EZHS060	CS0803 CS1203 SLSA03	0.02	G	
◎	EZHS070	CS0804 CS1204 SLSA04	0.02	G	
◎	EZHS075	CR0803 CR1203 SLRA03	0.02	G	
◎	EZHS080	CS1205 SLSA05	0.02	G	
◎	EZHS090	CS0806 CS1206 SLSA06	0.02	G	
◎	EZHS095	CF0803 CF1203 SLFB03	0.02	G	
◎	EZHS100	CR0804 CS1207 CR1204 SLSA07 SLRB06 SLRA04	0.04	G	
◎	EZHS110	CS0808 CS1208 SLSA08	0.04	G	
◎	EZHS120	CR0806 CF0804 CS1209 CR1206 CF1204 SLSA09 SLRA06 SLFB04	0.04	G	
◎	EZHS130	CS1210 SLSA10 SLRB08 SLRA06cv SLFA06	0.04	G	
◎	EZHS140	CR0808 CF0806 CS1211 CR1208 CF1206 SLSA11 SLRA08 SLRB06 SLFB06	0.04	G	
◎	EZHS150	CS1212 SLSA12	0.04	G	
◎	EZHS160	CF0808 CR1210 CF1208 SLRB10 SLRA08cv SLRA10 SLFA08	0.04	G	
◎	EZHS180	CF1210 SLRB08 SLFB08	0.06	G	
◎	EZHS190	SLSB12 SLRA10cv SLFA10	0.06	G	
◎	EZHS200	CR1212 CF1212 SLRA12	0.06	G	
◎	EZHS210	SLSB16cv	0.08	G	
◎	EZHS220	SLRA12cv SLRB10 SLFA12 SLFB12	0.08	G	
◎	EZHS240	SLSB16	0.08	G	
◎	EZHS260	SLSB20cv SLRA16 SLRB12 SLFB12	0.08	G	
◎	EZHS290	SLSB20	0.10	G	
◎	EZHS320	SLRA20 SLRB16 SLFB16	0.10	G	

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ezShrink 不鏽鋼熱膨脹燒結刀柄導熱套拆卸敲擊棒

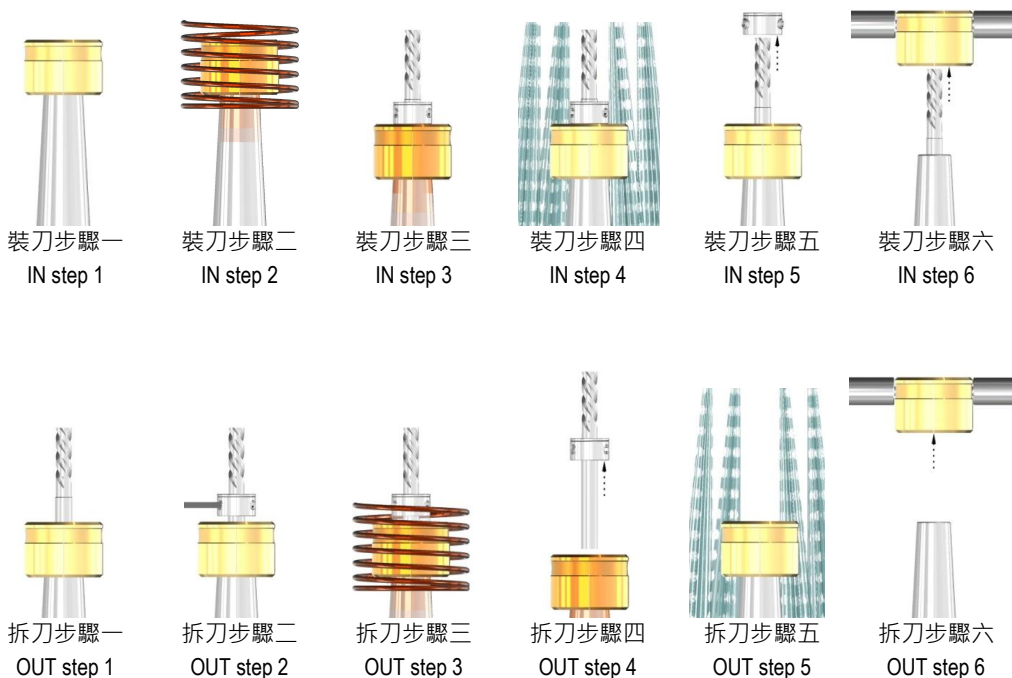
ezShrink removing tools for heating sleeve for stainless shrink chuck



STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZHSB	0.02	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

標準包裝為一對兩只 // Standard package by pair



ezShrink

ezShrink 熱膨脹燒結刀柄附件
ezShrink shrink fit chucks accessories

ezShrink 中心出水止動螺絲 / ezShrink coolant through backup screw

STOCK	CODE		W(KG)	GROUP	REMARK
◎	BK-EZ-M05*P0.8	FOR EZ06	0.01	A	
◎	BK-EZ-M06*P1.0	FOR EZ08	0.01	A	
◎	BK-EZ-M08*P1.0	FOR EZ10	0.02	A	
◎	BK-EZ-M10*P1.0	FOR EZ12/EZ14	0.02	A	
◎	BK-EZ-M12*P1.0	FOR EZ16/EZ18	0.03	A	
◎	BK-EZ-M16*P1.0	FOR EZ20/EZ25/EZ32	0.04	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock



ezShrink+ezKool 中心出水止動螺絲 / ezShrink+ezKool coolant through backup screw

STOCK	CODE		W(KG)	GROUP	REMARK
◎	BK-EZKK-M05*P0.8	FOR EZ06KK	0.01	A	
◎	BK-EZKK-M06*P1.0	FOR EZ08KK	0.01	A	
◎	BK-EZKK-M08*P1.0	FOR EZ10KK	0.02	A	
◎	BK-EZKK-M10*P1.0	FOR EZ12KK/EZ14KK	0.02	A	
◎	BK-EZKK-M12*P1.0	FOR EZ16KK/EZ18KK	0.03	A	
◎	BK-EZKK-M16*P1.0	FOR EZ20KK/EZ25KK/EZ32KK	0.04	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock



ezShrink 中心出水止動螺絲 / ezShrink coolant through backup screw

STOCK	CODE		W(KG)	GROUP	REMARK
◎	BK-EZ-M05*P0.8	FOR EZ06	0.01	A	
◎	BK-EZ-M06*P1.0	FOR EZ08	0.01	A	
◎	BK-EZ-M08*P1.25	FOR EZ10	0.02	A	
◎	BK-EZ-M10*P1.5	FOR EZ12/EZ14	0.02	A	
◎	BK-EZ-M12*P1.75	FOR EZ16/EZ18	0.03	A	
◎	BK-EZ-M16*P2.0	FOR EZ20/EZ25/EZ32	0.04	A	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock



ezShrink 長度調整器 / ezShrink length setting adaptor

STOCK	CODE	W(KG)	GROUP	REMARK
	EZAA06	1.00	A	
	EZAA08	1.00	A	
	EZAA10	1.00	A	
	EZAA12	1.00	A	
	EZAA14	1.00	A	
	EZAA16	1.00	A	
	EZAA18	1.00	A	
	EZAA20	1.00	A	
	EZAA25	1.00	A	
	EZAA32	1.00	A	

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ezShrink 電磁感應加熱機與水冷機及其附件
ezShrink induction unit, water cooling station and accessories



ezShrink 熱膨脹燒結刀柄用電磁感應機加熱機 / ezShrink induction unit

STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ3K INDUCTION MACHINE	25.00	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

220V, 16A, 3KW, SIZE: L450*W310*H790mm

ezShrink 熱膨脹燒結刀柄用電磁感應機加熱機加熱線圈 / ezShrink induction unit coil

STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ3K COIL20	1.40	G	
◎	EZ3K COIL32	1.40	G	
◎	EZ3K COIL20 D03/D05	0.20	G	
◎	EZ3K COIL20 D06/D12	0.20	G	
◎	EZ3K COIL20 D14/D20	0.20	G	
◎	EZ3K COIL32 D25/D32	0.30	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

ezShrink 熱膨脹燒結刀柄用電磁感應機加熱機刀柄基座 / ezShrink induction unit toolholder base



STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ BASE NO20 (FIT ISO20 & ISO20G)	1.00	G	
◎	EZ BASE NO25 (FIT ISO25 & ISO25G)	1.00	G	
◎	EZ BASE NO30 (FIT BT30 & BT30G)	1.00	G	
◎	EZ BASE NO40 (FIT BT40, SK40 & CAT40)	1.00	G	
◎	EZ BASE NO50 (FIT BT50, SK50 & CAT50)	1.00	G	
◎	EZ BASE H025 (FIT HSK025)	1.00	G	
◎	EZ BASE H032 (FIT HSK032, PSC032 & TS032)	1.00	G	
◎	EZ BASE H040 (FIT HSK040, PSC040 & TS040)	1.00	G	
◎	EZ BASE H050 (FIT HSK050, PSC050 & TS050)	1.00	G	
◎	EZ BASE H063 (FIT HSK063, PSC063 & TS063)	1.00	G	
◎	EZ BASE H080 (FIT HSK080, PSC080 & TS080)	1.00	G	
◎	EZ BASE H100 (FIT HSK100, PSC100 & TS100)	1.00	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

ezShrink 熱膨脹燒結刀柄用電磁感應機加熱機刀柄延長桿基座 / ezShrink induction unit toolholder extension base



STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ BASE S10	0.30	G	
◎	EZ BASE S12	0.30	G	
◎	EZ BASE S16	0.30	G	
◎	EZ BASE S20	0.30	G	
◎	EZ BASE S25	0.30	G	
◎	EZ BASE S32	0.30	G	
◎	EZ BASE S3/8"	0.30	G	
◎	EZ BASE S1/2"	0.30	G	
◎	EZ BASE S5/8"	0.30	G	
◎	EZ BASE S3/4"	0.30	G	
◎	EZ BASE S1"	0.30	G	
◎	EZ BASE S1 1/4"	0.30	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

需要與EZ BASE NO40或EZ ROUND TRAY一起使用 / require EZ BASE NO40 or EZ ROUND TRAY

需要搭配EZ BASE NO40或 EZ ROUND TRAY一起使用 // Needs EZ BASE NO40 or EZ ROUND TRAY to operate

ezShrink 熱膨脹燒結刀桿用刀具圓形放置盤 / ezShrink round tray



STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ ROUND TRAY	0.60	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

Suitable for EZ BASE Sxx

ezShrink

ezShrink 電磁感應加熱機與水冷機及其附件
ezShrink induction unit, water cooling station and accessories

ezShrink 熱膨脹燒結刀柄電磁感應機加熱機用工具組 / ezShrink tool set

STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ TOOL SET	1.00	G	

內含一字起子*1PC 十字起子*1PC T型六角扳手2.0*200MM*1PC 六角扳手組*1SET 6"尖嘴鉗*1PC 不銹鋼尺150MM*1PC
INCLUDES FLAT-HEAD SCREWDRIVER*1PC, PHILLIPS SCREWDRIVER*1PC, T-WRENCH 2.0*200MM*1PC, HEX WRENCH SET*1SET,
AND LONG NOSE PLIER*1PC, STAINLESS STEEL RULER 150MM*1PC.

STOCK ◎=標準在庫品 // STOCK ◎=regular stock



ezShrink 熱膨脹燒結刀柄用內孔清潔氣動工具組 / ezShrink bore cleaning air tool set

STOCK	CODE	BORE	BORE	W(KG)	GROUP	REMARK
◎	EZ CLEAN TOOL SET			0.30	G	
◎	EZ CLEAN WHEEL 2.5*10PCS	3	1/8"	0.01	G	
◎	EZ CLEAN WHEEL 3*10PCS	4 / 5	3/16"	0.01	G	
◎	EZ CLEAN WHEEL 4*10PCS	5 / 6	3/16" 1/4"	0.01	G	
◎	EZ CLEAN WHEEL 6*10PCS	8 / 10	1/4" 5/16" 3/8"	0.01	G	
◎	EZ CLEAN WHEEL 10*10PCS	12 / 14	7/16" 1/2"	0.01	G	
◎	EZ CLEAN WHEEL 12*10PCS	14 / 16	1/2" 5/8"	0.01	G	
◎	EZ CLEAN WHEEL 15*10PCS	16 / 18 / 20	5/8" 3/4" 7/8"	0.02	G	
◎	EZ CLEAN WHEEL 20*10PCS	25 / 32	7/8" 1" 1 1/4"	0.02	G	
◎	EZ CLEAN METALPOLISH			0.03	G	

氣動工具組內含羊毛輪 2.5*4PCS, 3*4PCS, 6*2PCS, 10*2PCS, 12*2PCS, 15*2PCS & 20*2PCS
BORE CLEANING AIR TOOL SETS INCLUDES CLEAN WHEEL 2.5*4PCS, 3*4PCS, 6*2PCS, 10*2PCS, 12*2PCS, 15*2PCS & 20*2PCS
STOCK ◎=標準在庫品 // STOCK ◎=regular stock



ezShrink 穩壓器 / ezShrink voltage regulator

STOCK	CODE	W(KG)	GROUP	REMARK
◎	QFM-5000	6.00	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock



ezShrink 熱膨脹燒結刀柄用耐熱手套 / ezShrink heat resisit gloves

STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ HEAT RESIST GLOVES	0.10	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock



ezShrink 螺旋分離卡 / ezShrink micro meter

STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ MICRO METER 0-25MM	0.50	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock



ezShrink 電磁感應加熱機與水冷機及其附件
ezShrink induction unit, water cooling station and accessories

ezShrink EREZ用加熱柄 / ezShrink EREZ shrink adaptor



STOCK	CODE		W(KG)	GROUP	REMARK
◎	EZER11	EZ BASE S10	0.10	G	
◎	EZER16	EZ BASE S12	0.10	G	
◎	EZER20	EZ BASE S16	0.20	G	
◎	EZER25	EZ BASE S20	0.20	G	
◎	EZER32	EZ BASE S25	0.30	G	
◎	EZER40	EZ BASE S32	0.20	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

需要搭配EZ BASE S**一起使用 // Needs EZ BASE Sxx to operate

ezShrink 雙頭龍與燒結刀頭用加熱柄 / ezShrink heat holder for double head shrink fit adaptor and shrink fit insert holder



STOCK	CODE		W(KG)	GROUP	REMARK
◎	EZES10	EZ BASE S10	0.10	G	
◎	EZES12	EZ BASE S12	0.10	G	
◎	EZES16	EZ BASE S16	0.20	G	
◎	EZES20	EZ BASE S20	0.20	G	
◎	EZES25	EZ BASE S25	0.30	G	
◎	EZES32	EZ BASE S32	0.40	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

需要搭配EZ BASE S**一起使用 // Needs EZ BASE Sxx to operate

ezShrink 熱膨脹燒結刀柄用水冷機 / ezShrink shower station



STOCK	CODE		W(KG)	GROUP	REMARK
◎	EZ3W SHOWER STATION		32.00	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

220V, SIZE:L550*W430*H560MM

ezShrink 熱膨脹燒結刀柄用水冷機水冷上蓋 / ezShrink shower house



STOCK	CODE		W(KG)	GROUP	REMARK
◎	EZ3W SHOWER HOUSE		1.40	G	
◎	EZ3W SHOWER HOUSE EXTENSION		0.40	G	
◎	EZ3W COOLANT LIQUID 600ML		0.70	G	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

EZ3W COOLANT LIQUID 600ML剛好供EZ3W水槽使用 / EZ3W COOLANT LIQUID 600ML is for the whole tank of EZ3W

EZ3W冷卻液使用水溶性切削研磨液 // Use coolant liquid same as grinding machine in EZ3W

建議使用Castrol Syntrol 9930水溶性切削研磨液 // Recommend coolant liquid Castrol Syntrol 9930

每3-6個月更換水槽冷卻液 // Replace coolant liquid for all tank at every 3-6 months

ezShrink EZ3K 操作程序 // ezShrink EZ3K operation

STEP 1

插上電源，確認電壓是否正確為220V

Plug in, make sure if the voltage is 220V

STEP 2

開啟EZ3K電源，操作中皆不可關閉電源

Switch on, never turn off the switch during the operation.



STEP 3

放置適合的刀柄基座EZ BASE於EZ3K，

放入欲做刀具交換的ezShrink熱膨脹燒結刀柄於刀柄基座上

Put suitable EZ BASE on the EZ3K,

Then, put the ezShrink shrink fit chuck on the EZ BASE.



STEP 4

依刀柄孔徑選用適合的定位盤，並設置於線圈上蓋

Choose a corresponding locating disc for the diameter of the chuck

and put it on the coil set



STEP 5

手持握把，將高週波線圈下移

Hold the handle and lower the coil set

將定位盤貼至刀柄鼻端後上抬1~3MM

避免刀柄直接接觸定位盤

Raise about 1~3 MM after the locating disc touches the chuck

The nose of the chuck must never touch the locating disk



STEP 6

旋緊右邊握把旋鈕，固定線圈

注意:加熱中不可移動線圈

Turn the knob tight on the right of the handle to lock the coil set

Caution! The coil set must never move during the heat-up



STEP 7

參考加熱秒數設定表，設定孔徑及加熱秒數

Check the chart and set up bore size and heat-up time

YAMAKEN	
ezShrink EZ3K	
Die Dia (D)	Heating (s)
孔徑(D)	加熱秒數
Ø3	32
Ø4	32
Ø5	32
Ø6	26
Ø8	26
Ø10	26
Ø12	28
Ø14	28
Ø16	28
Ø18	34
Ø20	34
Die Dia (D)	Heating (s)
孔徑(D)	加熱秒數
Ø3	20
Ø4	20
Ø5	14
Ø6	14
Ø8	14
Ø10	20
Ø12	24



STEP 8

戴上耐熱手套

Wear on heat resist glove



STEP 9

按下START鈕，加熱開始
Press START button.



STEP 10

加熱完成後，鬆開右邊握把旋鈕，將加熱線圈上移至頂端
將使用過的刀具移除並放入新刀具於ezShrink熱膨脹燒結刀柄內
Release the bar on the right side of the coil, and move the coil to the top
Then, remove the tool from the ezShrink shrink fit chuck and insert a new one



STEP 11

加熱完成後，EZ3K將倒數30秒冷卻線圈
倒數完成後按RESET重設，即可再次加熱
EZ3K will need 30 sec. count down for cooling the coil
Press RESET
when the 30 sec. count down completed to prepare a new heating process



STEP 12

將刀柄基座連同交換刀具完成的熱膨脹燒結刀柄移至EZ3W
準備開始水冷卻
Move the tool changed ezShrink shrink fit chuck with the EZ BASE to the EZ3W
Preare the water cooling



STEP 13

將刀柄基座連同交換刀具完成的熱膨脹燒結刀柄放置於EZ3W
Move the tool changed ezShrink shrink fit chuck with the EZ BASE to the EZ3W



STEP 14

蓋上EZ3W水冷機上蓋
注意! EZ3W上蓋不可敲到刀具
遇到全長較長的刀柄與刀具可以先放上冷卻延長蓋
Put the EZ3W SHOWER HOUSE on the EZ BASE
Caution! Do not hit the tools!
Put the EZ3W SHOWER HOUSE EXTENSION on the EZ BASE for long chuck



STEP 15

設定冷卻時間為30秒,按下START開始冷卻

Set the cooling time for 30 sec., press START to cool



STEP 16

20mm以上的刀具冷卻有時候需要超過30秒

Tool with 20mm shank or bigger will need coolant time more than 30 sec.

刀具破損排除方法

STEP1

準備一支2mm*200mm長的六角T型扳手

Prepare a 2mm*200mm long hex T-wrench

移除刀柄上無通孔之拉桿螺栓

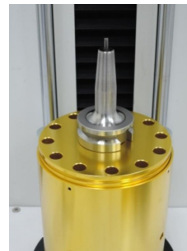
Remove the pullstud from the shrink fit chuck



STEP2

戴上耐熱手套，將刀柄置於加熱機上加熱

Wear EZ GOLVE, start heating porcess

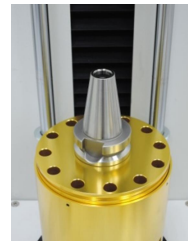


STEP3

加熱完成後，迅速將刀柄反轉刀具端置於基座內

When heating is completed

reverse the shrink fit chuck with taper on the upper side



故障碼排除 // ERROR CODE

EZ3K E1: 線圈超溫

EZ3K E1: Coil over heating

EZ3K E5: 線圈接觸不良或電路板故障

EZ3K E5: Coil connection error or mainboard breakdown

EZ3K E7: 加熱時線圈電壓或電流異常

EZ3K E7: Voltage or electric current error inside the coil during the heating

故障碼排除 // ERROR CODE troubleshooting

EZ3K E1: 等待降溫後操作

EZ3K E1: Wait till the coil is cooling down

EZ3K E5: 檢查線圈是否確實接上, 電路板故障需聯繫我們

EZ3K E5: Check if the coil is connected properly

EZ3K E5: 電路板故障請聯繫我們

EZ3K E5: Please contact us if the mainboard breakdown

EZ3K E7: 加熱時線圈不可移動, 需要重開機重設

EZ3K E7: The coil should NOT move during the heating. Turn off the unit and restart

EZ3K E7: 無法排除時請聯繫我們

EZ3K E7: Please contact us if restart is not working

STEP4

將刀柄基座連同熱膨脹燒結刀柄放置於EZ3W

插入T型扳手對準刀柄底部輕敲推出刀具

Move the shrink fit chuck with the base to EZ3W

Insert the T-wrench to the bottom of the tool and push the tool out



STEP1

參考加熱時間/高度設定表

Heat-up time / Height setup

孔徑 BORE (Ø)	加熱時間(Sec)
EZSS/EZSSU	Heating time
Ø3	22
Ø4	16
Ø5	14
Ø6	14
Ø8	14
Ø10	20
Ø12	24

STEP2

設定加熱孔徑及秒數

Set up the bore size and heat-up time



熱膨脹燒結刀柄注意事項:

Attentions:

一、正確加熱機操作請參閱山謙型錄2021EZ P326~P328 EZ3K 操作程序。

Follow page 2021EZ P326~P328 for the operation of the EZ3K.

二、加熱刀柄前應先量測刀具柄徑，刀具柄徑需符合h6公差，

否則將造成無法裝刀或夾持異常。

Before heat-up, measure the cutter shank diameter and confirm it is within h6 tolerances.

There might be a chucking problem if the shank is not within the tolerance.

三、小孔徑3, 4 & 5在刀具交換時，每次都需要清潔刀柄內孔。

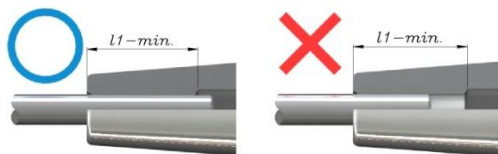
6孔徑以上在刀具交換10次時，需要清潔刀桿內孔1次。

錯誤的刀具夾持長度將會"永久"損壞熱膨脹燒結刀柄內孔。

Clean the bore every time usage for bore 3, 4 & 5.

Clean the bore every 10 times usage for bore 6 or bigger size.

Wrong clamping length will damage the shrink fit chucks "FOREVER".



四、ezShrink EZSS/EZSSU/EZSU系列為細型熱膨脹燒結刀柄。

未依建議操作方式使用容易損壞刀柄。

ezShrink EZSS/EZSSU/EZSU are slim type shrink fit chucks.

It will be damaged if the user does not follow the instruction.

五、加熱完成無法放置刀具或取出刀具時不可以再次連續加熱。

需要再次加熱前請先以水冷機冷卻刀柄後再調整加熱秒數後加熱，

否則極易造成刀柄加熱超溫造成永久損壞

If the cutter cannot be inserted or removed after the heat-up,

cool down the chuck with EZ3W first before second-time heating up.

The chuck will be overheated and permanently damaged for repeat heating without cooling.

安裝電磁感應加熱機注意事項:

一、安裝電磁感應加熱機組應配置獨立電源，並設置穩壓器。

不得與其它機台並聯，或使用延長線。

電磁感應加熱機電壓電流為：220V / 16A

水冷機電壓電流為：220V / 1A

There should be an independent power supply with a voltage regulator when installing.

There should be no other machines in the same parallel circuit.

No extension cords is used.

Induction machine Voltage / Current: 220V / 16A

Coolant machine Voltage / Current: 220V / 1A

二、電磁感應加熱機組應置於通風良好處，環境灰塵與溼度過高可能造成機台受損。

Place the induction machine system in a well-ventilated area.

Environment with dust and high humidity could damage the machine.

STEP1

熱膨脹燒結刀柄應定時清潔內孔以免積碳產生。

孔徑Ø3~Ø5 建議每次交換刀具皆清潔內孔。

孔徑Ø6~Ø32 建議每10次交換刀具清潔一次內孔。

Clean the bore of shrink fit chuck regularly to avoid carbon deposits.

Bore Ø3~Ø5 should be clean at each time cutter changing.

Bore Ø6~Ø32 should be clean after 10 times cutter changing.



STEP2

將金屬拋光劑以棉花棒沾附於刀柄內孔。

Smear the metal polish paste into bore with cotton swabs.

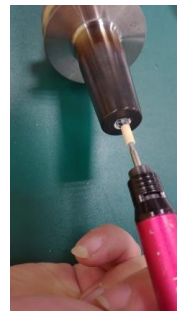


STEP3

以合適之羊毛輪裝置於氣動刻模機上。

清潔孔徑內部積碳。

Clean the carbon deposits in the bore-
with suitable wool wheel on the air grinder.



STEP 4

清潔內孔髒污後，可清除積碳，保持孔徑精度。

The accuracy of the bore can be maintain after regular bore cleaning.



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