

supERgrip // SGER+NSGMXR nano

SGER mini細型強力型ER筒夾刀柄+全圓式固定螺帽



supERgrip // SGER+NSGX nano

SGER強力型ER筒夾刀柄+全圓式鋼珠螺帽



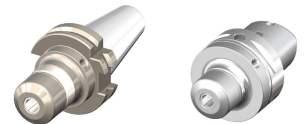
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SGER強力型ER筒夾刀柄+鋼珠螺帽



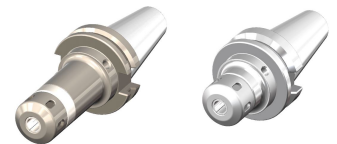
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SGER強力型ER筒夾刀柄+全圓式固定螺帽



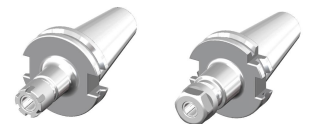
supERgrip // SGER+NSGSX nano

SGER強力型ER筒夾刀柄+固定螺帽



ER // ER+NMX nano & ER+NSX nano

mini細型ER筒夾刀柄+固定螺帽 & ER筒夾刀柄+固定螺帽



S-ER

直柄ER筒夾刀柄



S-ER

直柄ER筒夾刀柄



SUS ER COLLET

不鏽鋼ER筒夾



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

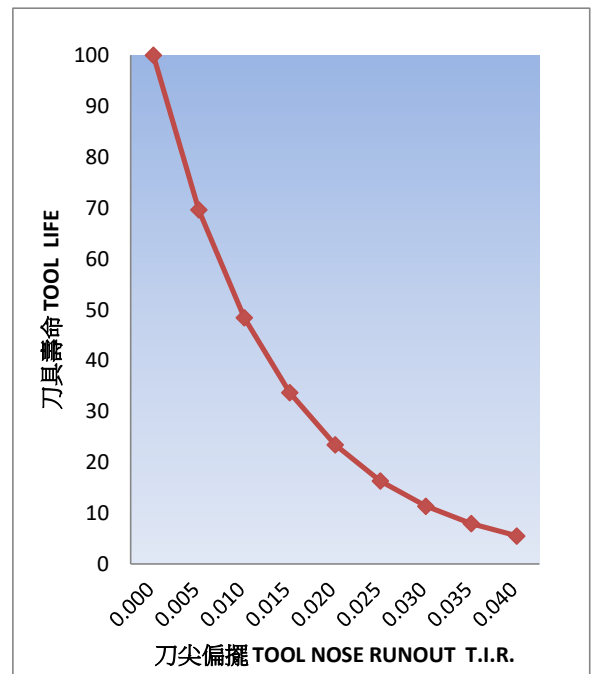
0.005mm runout at tool nose, tool life is 69.6

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!!!

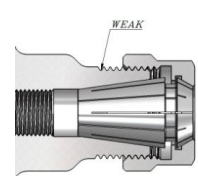
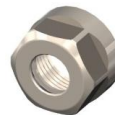
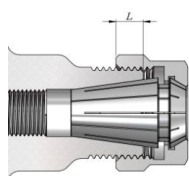
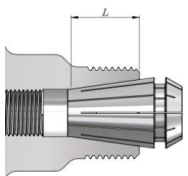
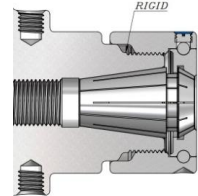
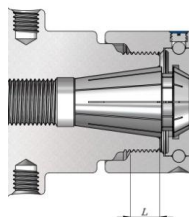
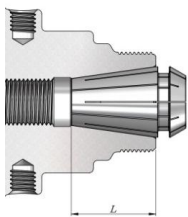


Introduction of supERgrip SGER power ER collet chucks:

supERgrip SGER is the power version of ER collet chucks
 It is a new generation ER collet chucks
 supERgrip SGER redesign the structure of clamping part
 The contact area for ER collet taper is increased by 30% more
 Enlarge the O.D. of the thread part and increase the pitched of thread contact
 It will increase the contact area of thread part by 50% more
 We adopt the nano surface treatment ball bearing nut
 It will reinforce the clamping torque by 50% more
 The combination of innovation reinforce the clamping tongue for 100% more
 We also redesign the outline
 It reinforce the rigidity by 50%
 The great thing is
 Your DIN6499B/ISO15488B ER collets using currently
 will be able to use on supERgrip SGER power ER collet chuck
 It will upgrade the performance by just upgrade the collet chuck
 ER collets on supERgrip SGER power ER collet chuck will have 0.25 mm collapse
 We also add the design of balanceable thread holes
 You may do the balance after the tool is assembled
 This innovation collet chucks are called SGER series

supERgrip SGER強力型ER筒夾刀柄簡介:

supERgrip SGER強力型ER筒夾刀柄是ER刀柄的加強版
 是新一代的ER筒夾刀柄
 supERgrip SGER變更了機構設計
 增加了30%以上的刀柄內錐孔與筒夾接合面積
 加大了牙部外徑與接合牙數
 增加了50%以上的牙部接合面積
 使用表面奈米處理鋼珠軸承設計的螺帽
 增加了50%以上的夾持力
 這樣創新的組合讓夾持力提升100%以上
 在外型上我們也做了設計變更
 讓剛性也提升50%以上
 最棒的是
 你目前使用中DIN6499B/ISO15488B的ER筒夾
 可以直接使用於supERgrip SGER強力型ER筒夾刀柄上
 只要升級你的筒夾刀柄就能升級加工效能
 supERgrip SGER的設計還讓ER筒夾保有0.25mm的夾持範圍
 另外還增加了可平衡螺絲孔
 讓您在刀具組合後可以再做動平衡校正
 這個創新的系列稱為SGER系列

增加錐度接合面積
MORE CONTACT AREA增加牙部接合面積
MORE THREAD CONTACT使用奈米鋼珠螺帽
NANO BALL BEARING NUT剛性提升的外觀設計
MORE RIGIDITY WITH NEW OUTLINE

Technical information of SGER collet chucks:

Material: SCM420/20CrMo4/20CrMo/4120
 Tensile strength: 930+ N/mm² (Mpa)
 Hardness: Carburizing depth 0.6mm with HRC58~60
 Thread part: Carburizing free on the thread part to prevent crack happening
 Run out of T.I.R: 0.002mm

SGER筒夾刀柄技術資料:

材質: SCM420/20CrMo4/20CrMo/4120
 抗拉強度: 930+ N/mm² (Mpa)
 熱處理硬度: 滲碳深度0.6mm HRC58~60
 刀柄牙部: 防碳處理防止脆裂
 刀柄內孔偏擺精度: 0.002mm

Why use steel SCM420/20CrMo4/20CrMo/4120?

The tensile strength is 930+ N/mm² (Mpa)
 SCM415/15CrMo5/15CrMo/4118 is only 830+ N/mm² (Mpa)
 SNCM220/21NiCrMo3/20CrNiMo/8620 is only 830+ N/mm² (Mpa)

為什麼材料使用SCM420/20CrMo4/20CrMo/4120?

這材料抗拉強度有930+ N/mm² (Mpa)
 SCM415/15CrMo5/15CrMo/4118只有830+ N/mm² (Mpa)
 SNCM220/21NiCrMo3/20CrNiMo/8620只有830+ N/mm² (Mpa)

8°圓錐角度公差 // 8° TAPER ANGLE TOLERANCE	
ER TAPER	ER11, ER16, ER20, ER25, ER32 & ER40
AT1 (mm)	+0.0005/+0.0008
AT2 (mm)	+0.0008/+0.0013
AT3 (mm)	+0.0013/+0.0020
8°圓錐角度直線度公差 // 8° TAPER ANGLE STRAIGHTNESS TOLERANCE	
ER TAPER	ER11, ER16, ER20, ER25, ER32 & ER40
	0.001
8°圓錐圓度公差 // 8° TAPER ANGLE STRAIGHTNESS TOLERANCE	
ER TAPER	ER11, ER16, ER20, ER25, ER32 & ER40
	0.001

AT2 taper angle tolerance is a "MUST"

SGER mini COLLET	SGER11M SGER11 ER11	SGER16M SGER16 ER16	SGER20M SGER20 ER20	SGER25M SGER25 ER25	SGER32M SGER32 ER32
Ød2 -0.20/-0.23	11.5	17.0	21.0	26.0	33.0
ØD7 ISO4g	M14*P0.75	M20*P1.0	M24*P1.0	M30*P1.0	M38*P1.0
Ød8	11.4	14	19	25	31
L6 min.	8.0	9.0	10.0	11.0	12.0
I7 min.	15.5	24.5	28.0	29.5	35.0
NUT	RF N11SGMXR	RF N16SGMXR	RF N20SGMXR	RF N25SGMXR	RF N32SGMXR

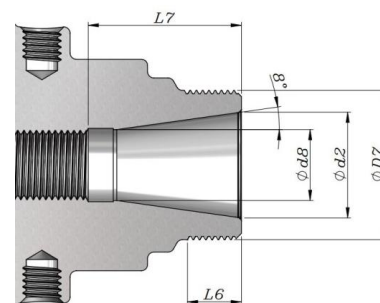
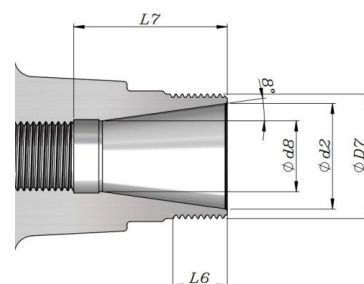
SGER COLLET	SGER16 SGER16 ER16	SGER20 SGER20 ER20	SGER25 SGER25 ER25	SGER32 SGER32 ER32	SGER40 SGER40 ER40
Ød2 -0.20/-0.23	17.0	21.0	26.0	33.0	41.0
ØD7 ISO4g	M24*P1.0	M28*P1.0	M34*P1.0	M42*P1.0	M52*P1.0
Ød8	11.4	14.4	19.0	24.5	31.0
L6 min.	9.0	10.0	11.0	12.0	13.0
I7 min.	24.5	28.0	29.5	35.0	40.0
NUT	RF N16SGXR nano	RF N20SGXR nano	RF N25SGXR nano	RF N32SGXR nano	RF N40SGXR nano
NUT	RF N16SGX nano	RF N20SGX nano	RF N25SGX nano	RF N32SGX nano	RF N40SGX nano
NUT	RF N16SGSXR	RF N20SGSXR	RF N25SGSXR	RF N32SGSXR	RF N40SGSXR
NUT	RF N16SGSX	RF N20SGSX	RF N25SGSX	RF N32SGSX	RF N40SGSX

Thread part ØD7 ISO4g is the production standard of YAMAKEN
It is much more precise than DIN6499/ISO15488 requirement ISO6g

新型SGER結構 New SGER Structure	傳統ER結構 Old Type ER Structure
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AT2的錐度角度公差是必須的



牙部ØD7 ISO4g是山謙的生產標準
比DIN6499/ISO15488的ISO6g更精準

SGER & ER筒夾刀柄夾持力表			Clamping torque for SGER & ER collet chuck						
鎖緊扭力 TIGHTENING TORQUE	SGER & ER螺帽 SGER & ER NUT	ER筒夾內徑 // ER COLLET BORE							
		Ø6	Ø8	Ø10	Ø12	Ø16	Ø20	Ø25	
ER16 TORQUE 55Nm	RF N16SGXR/SGX nano	40Nm	61Nm	93Nm					
	RF N16SGSXR/SGSX	28Nm	40Nm	56Nm					
	ER N16SX	19Nm	24Nm	33Nm					
ER20 TORQUE 80Nm	RF N20SGXR/SGX nano		108Nm	146Nm	160Nm				
	RF N20SGSXR/SGSX		58Nm	80Nm	87Nm				
	ER N20SX		39Nm	55Nm	66Nm				
ER25 TORQUE 100Nm	RF N25SGXR/SGX nano			153Nm	160Nm	231Nm			
	RF N25SGSXR/SGSX			81Nm	88Nm	126Nm			
	ER N25SX			57Nm	69Nm	109Nm			
ER32 TORQUE 135Nm	RF N32SGXR/SGX nanao				170Nm	250Nm	340Nm		
	RF N32SGSXR/SGSX				101Nm	158Nm	210Nm		
	ER N32SX				80Nm	116Nm	147Nm		
ER40 TORQUE 170Nm	RF N40SGXR/SGX nano					285Nm	425Nm	535Nm	
	RF N40SGSXR/SGSX					180Nm	256Nm	330Nm	
	ER N40SX					139Nm	187Nm	249Nm	

夾持力比較表		Clamping torque comparison						
刀柄種類 TYPE OF TOOLHOLDER	內徑 // BORE	Ø6	Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
ezShrink shrink fit chuck form YAMAKEN		20Nm	50Nm	70Nm	150Nm	300Nm	450Nm	680Nm
Hydraulic chuck from "S"		16Nm	23Nm	45Nm	90Nm	185Nm	330Nm	400Nm
Hydraulic chuck from "I"		15Nm	25Nm	50Nm	110Nm	180Nm	250Nm	310Nm

SGER mini螺帽鎖緊力表		
SGER mini nut clamping torque chart		
SGER mini螺帽	ER筒夾	最大鎖緊力
SGER mini NUT	ER COLLET	MAX. TORQUE
N11SGMXR	ER11(1.0~2.5)	12Nm
	ER11(3.0~7.0)	20Nm
N16SGMXR	ER16(1.0~4.5)	18Nm
	ER16(5.0~10.0)	30Nm
N20SGMXR	ER20(1.0~6.5)	24Nm
	ER20(7.0~13.0)	40Nm
N25SGMXR	ER25(1.0~6.5)	30Nm
	ER25(7.0~16.0)	50Nm
N32SGMXR	ER32(2.0~6.5)	36Nm
	ER32(7.0~20.0)	60Nm

SGER螺帽鎖緊力表		
SGER nut clamping torque chart		
SGER螺帽	ER筒夾	最大鎖緊力
SGER NUT	ER COLLET	MAX. TORQUE
N16SGXR/X/SXR/SX	ER16(1.0~4.5)	33Nm
	ER16(5.0~10.0)	55Nm
N20SGXR/X/SXR/SX	ER20(1.0~6.5)	48Nm
	ER20(7.0~13.0)	80Nm
N25SGXR/X/SXR/SX	ER25(1.0~6.5)	60Nm
	ER25(7.0~16.0)	100Nm
N32SGXR/X/SXR/SX	ER32(2.0~6.5)	80Nm
	ER32(7.0~20.0)	135Nm
N40SGXR/X/SXR/SX	ER40(3.0~7.5)	100Nm
	ER40(8.0~26.0)	170Nm

Introduction of ER collet chucks:

ER collet chuck is a Germany norm DIN6499 and an ISO norm ISO15488
It is called ER series
ER series is applied widely in tool holding system and work piece holding system
ER collet chuck is composed of chuck body, clamping nut and ER collet
There is an 8° taper bore at the holding part of the chuck to contact the ER collet
There is an O.D. thread at the holding part of the chuck to contact the ER nut
We can hold the tool with different dia. of shank by changing the ER collet

ER筒夾刀柄簡介:

ER筒夾刀柄是德國規範DIN6499也是ISO規範ISO15488
稱為ER系列
ER系列廣泛用於刀具夾持與工件夾持系統中
ER筒夾刀柄是由刀柄本體加上螺帽與ER筒夾組合而成的刀柄
刀柄的夾持端有一個8度的內錐度孔用以接合ER筒夾
刀柄的夾持端有一段外牙用以接合ER螺帽
更換不同孔徑的ER筒夾便能夾持不同柄徑的刀具

Technical information of ER collet chucks:

Material: SCM420/20CrMo4/20CrMo/4120
Tensile strength: 930+ N/mm2 (Mpa)
Hardness: Carburizing depth 0.6mm with HRC58~60
Thread part: Carburizing free on the thread part to prevent crack happening
Run out of T.I.R: 0.003mm

ER筒夾刀柄技術資料:

材質: SCM420/20CrMo4/20CrMo/4120
抗拉強度: 930+ N/mm2 (Mpa)
熱處理硬度: 滲碳深度0.6mm HRC58~60
刀柄牙部: 防破處理防止脆裂
刀柄內孔偏擺精度: 0.003mm

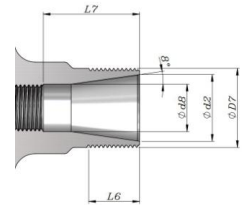
Why use steel SCM420/20CrMo4/20CrMo/4120?

The tensile strength is 930+ N/mm2 (Mpa)
SCM415/15CrMo5/15CrMo/4118 is only 830+ N/mm2 (Mpa)
SNM220/21NiCrMo3/20CrNiMo/8620 is only 830+ N/mm2 (Mpa)

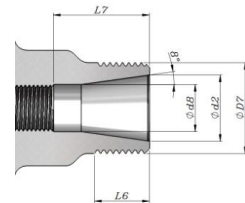
為什麼材料使用SCM420/20CrMo4/20CrMo/4120?

這材料抗拉強度有930+ N/mm2 (Mpa)
SCM415/15CrMo5/15CrMo/4118只有830+ N/mm2 (Mpa)
SNM220/21NiCrMo3/20CrNiMo/8620只有830+ N/mm2 (Mpa)

ER COLLET	ER08M ER08	ER11M ER11	ER16M ER16	ER20M ER20	ER25M ER25
Ød2 +0/-0.06	8	11	16	20	25
ØD7 ISO4g	M10*P0.75	M13*P0.75	M19*P1.0	M24*P1.0	M30*P1.0
Ød8	6.4	8.4	11.4	14.4	18.5
L6 min.	7.5	7.5	12.5	12.5	13.0
L7 min.	11.0	16.0	23.0	27.0	29.0
NUT	RF N08MX	RF N11MX	RF N16MX	RF N20MX	RF N25MX
NUT	N08MX	N11MX	N16MX	N20MX	N25MX
NUT	RF N08MNX	RF N11MNX	RF N16MNX	RF N20MNX	RF N25MNX
NUT	N08MNX	N11MNX	N16MNX	N20MNX	N25MNX



ER COLLET	ER11 ER11	ER16 ER16	ER20 ER20	ER25 ER25	ER32 ER32	ER40 ER40
Ød2 +0/-0.06	11	16	20	25	32	40
ØD7 ISO4g	M14*P0.75	M22*P1.5	M25*P1.5	M32*P1.5	M40*P1.5	M50*P1.5
Ød8	8.4	11.4	14.4	18.5	24.5	31.0
L6 min.	7.5	11.5	12.5	13.0	15.2	16.5
L7 min.	16.0	23.0	27.0	29.0	35.0	39.0
NUT	RF N11SX	RF N16SX	RF N20SX	RF N25SX	RF N32SX	RF N40SX
NUT	N11SX	N16SX	N20SX	N25SX	N32SX	N40SX



Thread part ØD7 ISO4g is the production standard of YAMAKEN
It is much more precise than DIN6499/ISO15488 requirement ISO6g

牙部ØD7 ISO4g是山謙的生產標準
比DIN6499/ISO15488的ISO6g更精準

8°圓錐角度公差 // 8° TAPER ANGLE TOLERANCE

ER TAPER	ER11, ER16, ER20, ER25, ER32 & ER40
AT1 (mm)	+0.0005/+0.0008
AT2 (mm)	+0.0008/+0.0013
AT3 (mm)	+0.0013/+0.0020

8°圓錐角度直線度公差 // 8° TAPER ANGLE STRAIGHTNESS TOLERANCE

ER TAPER	ER11, ER16, ER20, ER25, ER32 & ER40
	0.001

8°圓錐圓度度公差 // 8° TAPER ANGLE STRAIGHTNESS TOLERANCE

ER TAPER	ER11, ER16, ER20, ER25, ER32 & ER40
	0.001

ER筒夾刀桿夾持力表					Clamping torque for ER collet chuck				
鎖緊扭力	ER螺帽	ER筒夾內徑 // ER COLLET BORE							
TIGHTENING TORQUE	ER NUT	Ø6	Ø8	Ø10	Ø12	Ø16	Ø20	Ø25	
ER16 TORQUE 55Nm	N16SX (UM/ER16)	19Nm	24Nm	33Nm					
ER20 TORQUE 80Nm	N20SX (UM/ER20)		39Nm	55Nm	66Nm				
ER25 TORQUE 100Nm	N25SX (UM/ER25)			57Nm	69Nm	109Nm			
ER32 TORQUE 135Nm	N32SX (UM/ER32)				80Nm	116Nm	147Nm		
ER40 TORQUE 170Nm	N40SX (UM/ER40)					139Nm	187Nm	249Nm	

夾持力比較表		Clamping torque comparison								
刀桿種類 TYPE OF TOOLHOLDER	內徑 // BORE									
		Ø6	Ø8	Ø10	Ø12	Ø16	Ø20	Ø25		
ezShrink shrink fit chuck form YAMAKEN		20Nm	50Nm	70Nm	150Nm	300Nm	450Nm	680Nm		
Hydraulic chuck from "S"		16Nm	23Nm	45Nm	90Nm	185Nm	330Nm	400Nm		
Hydraulic chuck from "I"		15Nm	25Nm	50Nm	110Nm	180Nm	250Nm	310Nm	310Nm	

ER螺帽鎖緊力表 ER nut clamping torque chart		
ER mini螺帽 ER mini NUT	ER筒夾 ER COLLET	最大鎖緊力 MAX. TORQUE
N08MX	ER08(1.0~2.5)	6Nm
	ER08(3.0~5.0)	8Nm
N11MX	ER11(1.0~2.5)	10Nm
	ER11(3.0~7.0)	12Nm
N16MX	ER16(1.0~4.5)	15Nm
	ER16(5.0~10.0)	17Nm
N20MX	ER20(1.0~6.5)	21Nm
	ER20(7.0~13.0)	23Nm
N25MX	ER25(1.0~6.5)	24Nm
	ER25(7.0~16.0)	40Nm

ER螺帽鎖緊力表 ER nut clamping torque chart		
ER mini螺帽 ER mini NUT	ER筒夾 ER COLLET	最大鎖緊力 MAX. TORQUE
N11SX	ER11(1.0~2.5)	15Nm
	ER11(3.0~7.0)	25Nm
N16SX	ER16(1.0~4.5)	33Nm
	ER16(5.0~10.0)	55Nm
N20SX	ER20(1.0~6.5)	48Nm
	ER20(7.0~13.0)	80Nm
N25SX	ER25(1.0~6.5)	60Nm
	ER25(7.0~16.0)	100Nm
N32SX	ER32(2.0~6.5)	80Nm
	ER32(7.0~20.0)	135Nm
N40SX	ER40(3.0~7.5)	100Nm
	ER40(8.0~26.0)	170Nm

From our test results we find that
ERM nut & ER nut with nano surface treatment
will increase the clamping torque by 10%~30% with the same tightening torque
YAMAKEN ER series equip with NxxMX nano or NxxSX nano as standard
It offers YAMAKEN ER series a outstanding performance

測試結果發現
ERM螺帽與ER螺帽增加表面奈米處理
在相同的鎖緊力之下有10%~30%夾持力提升
山謙ER系列都搭配NxxMX nano或NxxSX nano高速平衡奈米螺帽
讓山謙的ER系列刀柄有著優異的表現

What is nano surface treatment?
Nano surface treatment was adopted by car racing to increase the life of engine firstly
Nano surface treatment is "NOT coating", it will wear out but "NOT peel off"
It is a treatment in low temperature and high pressure
shooting the surface of workpiece with electrons in a very high speed
It will "NOT deform" the workpiece or change the accuracy
It makes the metal crystals on the surface of the workpiece smaller
A smaller metal crystals will improve the surface roughness
A brief high temperature comes from the electrons shooting
will generate the effect of heat treatment to increase the surface hardness
Better surface roughness will offer more contact area to increase the clamping torque
Higher surface hardness will increase the life of workpiece
YAMAKEN has more than 10 years experience with nano surface treatment
Workpiece with nano surface treatment always have outstanding performance

什麼是表面奈米處理?
這個製程最早使用在賽車引擎來提升引擎壽命
表面奈米處理"不是塗層" 會磨損不會剝落
是一種以低溫高壓方式
高速射出電子撞擊工件的表面
不會使工件產生變形或改變精度
讓工件金屬表面的結晶變的細小
提升工件的表面粗糙度
撞擊產生的瞬間高溫
會讓工件表面產生熱處理的效果並提高表面硬度
更好的表面粗糙度讓接觸面積增加提高夾持力
更高的表面硬度讓工件使用壽命更長
山謙使用表面奈米處理超過十年
表面奈米處理過的工件總是有讓人驚豔的表現

supERgrip SGER & ER // β-BT

supERgrip SGER & ER // 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

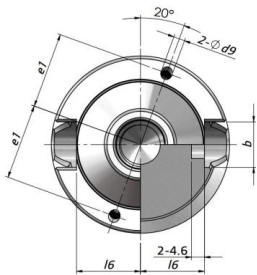
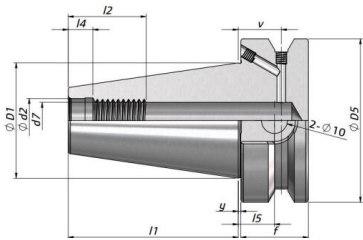
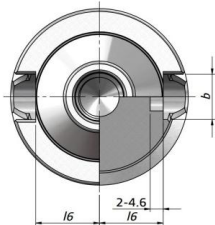
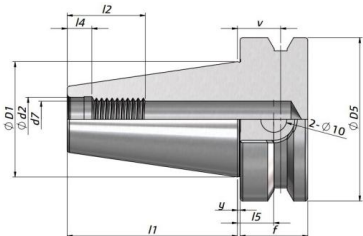
β-BT toolholder has two IC chip holes is a standard from YAMAKEN

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



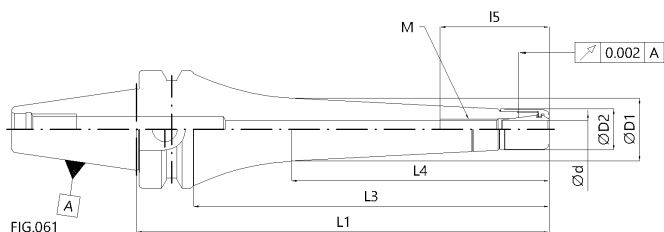
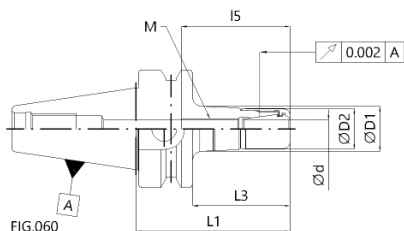
圓錐角度公差 // TAPER ANGLE TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
AT1 (mm)	+0.0008/+0.0013	+0.0010/+0.0016	+0.0013/+0.0020
AT2 (mm)	+0.0013/+0.0020	+0.0016/+0.0025	+0.0020/+0.0032
AT3 (mm)	+0.0020/+0.0032	+0.0025/+0.0040	+0.0032/+0.0050
圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE			
TAPER	#30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

supERgrip SGER & ER // RF β-BT-SGER+RF NSGMXR

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF β-BT30AD-SGER11M-060 +RF N11SGMXR	060	60	-	38	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	B	
◎	RF β-BT30AD-SGER11M-080 +RF N11SGMXR	060	80	-	58	-	39	20	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
◎	RF β-BT30AD-SGER11M-100 +RF N11SGMXR	060	100	-	78	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
◎	RF β-BT30AD-SGER11M-120 +RF N11SGMXR	060	120	-	98	-	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.00	B	
○	RF β-BT30AD-SGER11M-160 +RF N11SGMXR	061	160	-	138	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	B	
◎	RF β-BT30AD-SGER16M-060 +RF N16SGMXR	060	60	-	38	-	46	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.50	B	
◎	RF β-BT30AD-SGER16M-080 +RF N16SGMXR	060	80	-	58	-	46	28	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.70	B	
◎	RF β-BT30AD-SGER16M-100 +RF N16SGMXR	060	100	-	78	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
◎	RF β-BT30AD-SGER16M-120 +RF N16SGMXR	060	120	-	98	-	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.10	B	
○	RF β-BT30AD-SGER16M-160 +RF N16SGMXR	061	160	-	138	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.50	B	
◎	RF β-BT30AD-SGER20M-060 +RF N20SGMXR	060	60	-	38	-	51	30	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.60	B	
◎	RF β-BT30AD-SGER20M-080 +RF N20SGMXR	060	80	-	58	-	51	32	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.80	B	
◎	RF β-BT30AD-SGER20M-100 +RF N20SGMXR	060	100	-	78	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
◎	RF β-BT30AD-SGER20M-120 +RF N20SGMXR	060	120	-	98	-	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.20	B	
○	RF β-BT30AD-SGER20M-160 +RF N20SGMXR	061	160	-	138	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.60	B	
○	RF β-BT30AD-SGER25M-060 +RF N25SGMXR	060	60	-	38	-	53	38	36	RY0360	0.5~16.0	ER25	M18*P1.5	0.80	B	
○	RF β-BT30AD-SGER25M-080 +RF N25SGMXR	060	80	-	58	-	53	40	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.00	B	
○	RF β-BT30AD-SGER25M-100 +RF N25SGMXR	060	100	-	78	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
○	RF β-BT30AD-SGER25M-120 +RF N25SGMXR	060	120	-	98	-	53	44	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.40	B	
○	RF β-BT30AD-SGER25M-160 +RF N25SGMXR	060	160	-	138	-	53	44	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.80	B	
○	RF β-BT30AD-SGER32M-070 +RF N32SGMXR	060	70	-	48	-	53	-	44	RY0440	2.0~20.0	ER32	M18*P1.5	1.10	B	
○	RF β-BT30AD-SGER32M-100 +RF N32SGMXR	060	100	-	78	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	
○	RF β-BT30AD-SGER32M-120 +RF N32SGMXR	060	120	-	98	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.60	B	
○	RF β-BT30AD-SGER32M-160 +RF N32SGMXR	060	160	-	138	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.00	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // RF β-BT-SGER+RF NSGMXR

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

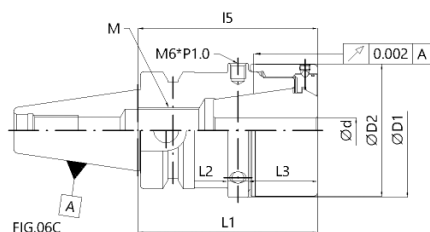
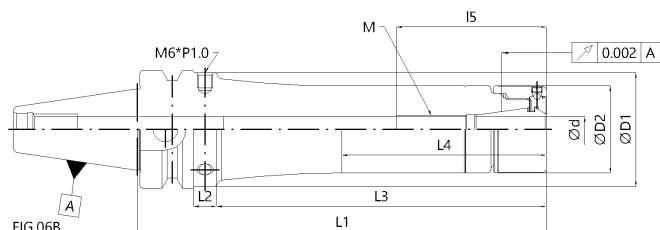
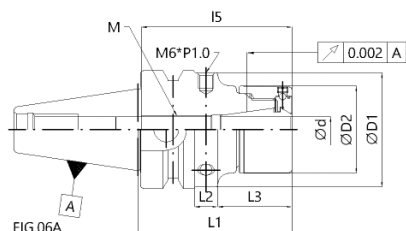
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF β-BT40AD-SGER11M-070 +RF N11SGMXR	060	70	-	43	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	B	
◎	RF β-BT40AD-SGER11M-100 +RF N11SGMXR	060	100	-	73	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.20	B	
◎	RF β-BT40AD-SGER11M-120 +RF N11SGMXR	060	120	-	93	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	B	
◎	RF β-BT40AD-SGER11M-160 +RF N11SGMXR	061	160	-	133	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.80	B	
○	RF β-BT40AD-SGER11M-200 +RF N11SGMXR	061	200	-	173	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.20	B	
◎	RF β-BT40AD-SGER16M-070 +RF N16SGMXR	060	70	-	43	-	38	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	RF β-BT40AD-SGER16M-100 +RF N16SGMXR	060	100	-	73	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.30	B	
◎	RF β-BT40AD-SGER16M-120 +RF N16SGMXR	060	120	-	93	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.50	B	
◎	RF β-BT40AD-SGER16M-160 +RF N16SGMXR	061	160	-	133	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.90	B	
○	RF β-BT40AD-SGER16M-200 +RF N16SGMXR	061	200	-	173	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.30	B	
◎	RF β-BT40AD-SGER20M-070 +RF N20SGMXR	060	70	-	43	-	36	30	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	RF β-BT40AD-SGER20M-100 +RF N20SGMXR	060	100	-	73	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.40	B	
◎	RF β-BT40AD-SGER20M-120 +RF N20SGMXR	060	120	-	93	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.60	B	
◎	RF β-BT40AD-SGER20M-160 +RF N20SGMXR	061	160	-	133	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.00	B	
○	RF β-BT40AD-SGER20M-200 +RF N20SGMXR	061	200	-	173	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.40	B	
○	RF β-BT40AD-SGER25M-070 +RF N25SGMXR	060	70	-	43	-	53	38	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF β-BT40AD-SGER25M-100 +RF N25SGMXR	060	100	-	73	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.60	B	
○	RF β-BT40AD-SGER25M-120 +RF N25SGMXR	060	120	-	93	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.80	B	
○	RF β-BT40AD-SGER25M-160 +RF N25SGMXR	060	160	-	133	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.20	B	
○	RF β-BT40AD-SGER25M-200 +RF N25SGMXR	060	200	-	173	-	53	51	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.60	B	
○	RF β-BT40AD-SGER32M-070 +RF N32SGMXR	060	70	-	43	-	57	46	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF β-BT40AD-SGER32M-100 +RF N32SGMXR	060	100	-	73	-	57	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.80	B	
○	RF β-BT40AD-SGER32M-120 +RF N32SGMXR	060	120	-	93	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.00	B	
○	RF β-BT40AD-SGER32M-160 +RF N32SGMXR	060	160	-	133	-	57	55	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.40	B	
○	RF β-BT40AD-SGER32M-200 +RF N32SGMXR	060	200	-	173	-	57	59	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.80	B	

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF β-BT50AD-SGER11M-080 +RF N11SGMXR	060	80	-	42	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	3.50	C	
◎	RF β-BT50AD-SGER11M-100 +RF N11SGMXR	060	100	-	62	-	39	20	16	RY0160	0.5~7.0	ER11	M8*P1.0	3.70	C	
◎	RF β-BT50AD-SGER11M-120 +RF N11SGMXR	060	120	-	82	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	3.90	C	
◎	RF β-BT50AD-SGER11M-160 +RF N11SGMXR	061	160	-	122	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	4.30	C	
○	RF β-BT50AD-SGER11M-200 +RF N11SGMXR	061	200	-	162	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	4.70	C	
○	RF β-BT50AD-SGER16M-080 +RF N16SGMXR	060	80	-	42	-	46	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	3.60	C	
◎	RF β-BT50AD-SGER16M-100 +RF N16SGMXR	060	100	-	62	-	46	28	24	RY0240	0.5~10.0	ER16	M11*P1.0	3.80	C	
◎	RF β-BT50AD-SGER16M-120 +RF N16SGMXR	060	120	-	82	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	4.00	C	
◎	RF β-BT50AD-SGER16M-160 +RF N16SGMXR	061	160	-	122	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	4.40	C	
○	RF β-BT50AD-SGER16M-200 +RF N16SGMXR	061	200	-	162	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	4.80	C	
○	RF β-BT50AD-SGER20M-080 +RF N20SGMXR	060	80	-	42	-	51	30	28	RY0280	0.5~13.0	ER20	M14*P1.0	3.70	C	
◎	RF β-BT50AD-SGER20M-100 +RF N20SGMXR	060	100	-	62	-	51	32	28	RY0280	0.5~13.0	ER20	M14*P1.0	3.90	C	
◎	RF β-BT50AD-SGER20M-120 +RF N20SGMXR	060	120	-	82	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	4.10	C	
◎	RF β-BT50AD-SGER20M-160 +RF N20SGMXR	061	160	-	122	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	4.50	C	
○	RF β-BT50AD-SGER20M-200 +RF N20SGMXR	061	200	-	162	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	4.90	C	
○	RF β-BT50AD-SGER25M-080 +RF N25SGMXR	060	80	-	42	-	53	38	36	RY0360	0.5~16.0	ER25	M18*P1.5	3.90	C	
○	RF β-BT50AD-SGER25M-100 +RF N25SGMXR	060	100	-	62	-	53	40	36	RY0360	0.5~16.0	ER25	M18*P1.5	4.10	C	
○	RF β-BT50AD-SGER25M-120 +RF N25SGMXR	060	120	-	82	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	4.30	C	
○	RF β-BT50AD-SGER25M-160 +RF N25SGMXR	060	160	-	122	-	53	46	36	RY0360	0.5~16.0	ER25	M18*P1.5	4.70	C	
○	RF β-BT50AD-SGER25M-200 +RF N25SGMXR	060	200	-	162	-	53	50	36	RY0360	0.5~16.0	ER25	M18*P1.5	5.10	C	
○	RF β-BT50AD-SGER32M-080 +RF N32SGMXR	060	80	-	42	-	57	46	44	RY0440	2.0~20.0	ER32	M24*P1.5	4.10	C	
○	RF β-BT50AD-SGER32M-100 +RF N32SGMXR	060	100	-	62	-	57	48	44	RY0440	2.0~20.0	ER32	M24*P1.5	4.30	C	
○	RF β-BT50AD-SGER32M-120 +RF N32SGMXR	060	120	-	82	-	57	50	44	RY0440	2.0~20.0	ER32	M24*P1.5	4.50	C	
○	RF β-BT50AD-SGER32M-160 +RF N32SGMXR	060	160	-	122	-	57	54	44	RY0440	2.0~20.0	ER32	M24*P1.5	4.90	C	
○	RF β-BT50AD-SGER32M-200 +RF N32SGMXR	060	200	-	162	-	57	58	44	RY0440	2.0~20.0	ER32	M24*P1.5	5.30	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF β -BT30AD-SGER16-060 +RF N16SGXR nano	06A	60	9	29	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.60	B	
◎	RF β -BT30AD-SGER16-080 +RF N16SGXR nano	06A	80	9	49	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	RF β -BT30AD-SGER16-100 +RF N16SGXR nano	06A	100	9	69	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	RF β -BT30AD-SGER16-120 +RF N16SGXR nano	06A	120	9	89	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF β -BT30AD-SGER16-160 +RF N16SGXR nano	06B	160	9	129	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF β -BT30AD-SGER20-060 +RF N20SGXR nano	06A	60	9	29	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.70	B	
◎	RF β -BT30AD-SGER20-080 +RF N20SGXR nano	06A	80	9	49	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	RF β -BT30AD-SGER20-100 +RF N20SGXR nano	06A	100	9	69	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	RF β -BT30AD-SGER20-120 +RF N20SGXR nano	06A	120	9	89	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF β -BT30AD-SGER20-160 +RF N20SGXR nano	06B	160	9	129	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF β -BT30AD-SGER25-060 +RF N25SGXR nano	06A	60	9	29	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	0.90	B	
◎	RF β -BT30AD-SGER25-080 +RF N25SGXR nano	06A	80	9	49	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
◎	RF β -BT30AD-SGER25-100 +RF N25SGXR nano	06A	100	9	69	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	RF β -BT30AD-SGER25-120 +RF N25SGXR nano	06A	120	9	89	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF β -BT30AD-SGER25-160 +RF N25SGXR nano	06A	160	9	129	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF β -BT30AD-SGER32-070 +RF N32SGXR nano	06C	70	8	27	-	53	52.4	52	RY0520	2.0~20.0	ER32	M18*P1.5	1.20	B	
◎	RF β -BT30AD-SGER32-100 +RF N32SGXR nano	06C	100	8	57	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	RF β -BT30AD-SGER32-120 +RF N32SGXR nano	06C	120	8	77	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF β -BT30AD-SGER32-160 +RF N32SGXR nano	06C	160	8	117	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	

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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

supERgrip SGER & ER // RF β-BT-SGER+RF NSGXR nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

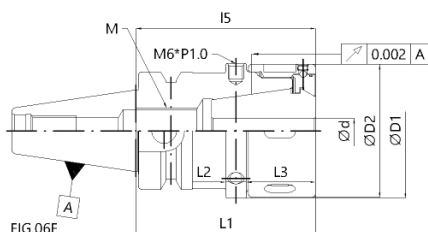
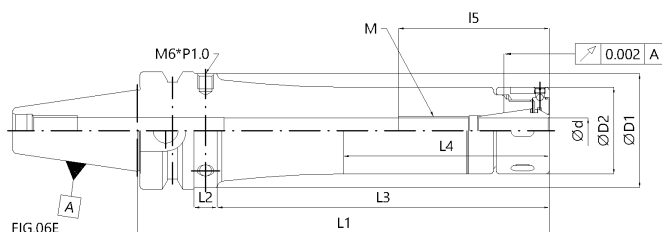
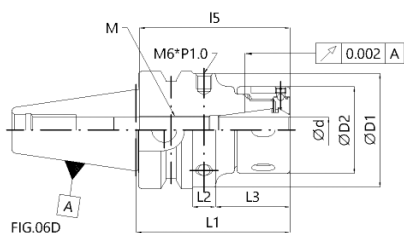
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF β-BT40AD-SGER16-070 +RF N16SGXR nano	06A	70	9	34	-	38	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	RF β-BT40AD-SGER16-100 +RF N16SGXR nano	06A	100	9	64	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.40	B	
◎	RF β-BT40AD-SGER16-120 +RF N16SGXR nano	06A	120	9	84	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF β-BT40AD-SGER16-160 +RF N16SGXR nano	06B	160	9	124	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	B	
○	RF β-BT40AD-SGER16-200 +RF N16SGXR nano	06B	200	9	164	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	B	
◎	RF β-BT40AD-SGER20-070 +RF N20SGXR nano	06A	70	9	34	-	36	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	RF β-BT40AD-SGER20-100 +RF N20SGXR nano	06A	100	9	64	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.50	B	
◎	RF β-BT40AD-SGER20-120 +RF N20SGXR nano	06A	120	9	84	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF β-BT40AD-SGER20-160 +RF N20SGXR nano	06B	160	9	124	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	B	
○	RF β-BT40AD-SGER20-200 +RF N20SGXR nano	06B	200	9	164	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	B	
◎	RF β-BT40AD-SGER25-070 +RF N25SGXR nano	06A	70	9	34	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	RF β-BT40AD-SGER25-100 +RF N25SGXR nano	06A	100	9	64	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.70	B	
◎	RF β-BT40AD-SGER25-120 +RF N25SGXR nano	06A	120	9	84	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF β-BT40AD-SGER25-160 +RF N25SGXR nano	06A	160	9	124	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	B	
○	RF β-BT40AD-SGER25-200 +RF N25SGXR nano	06A	200	9	164	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	B	
◎	RF β-BT40AD-SGER32-070 +RF N32SGXR nano	06A	70	9	34	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	RF β-BT40AD-SGER32-100 +RF N32SGXR nano	06A	100	9	64	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.90	B	
◎	RF β-BT40AD-SGER32-120 +RF N32SGXR nano	06A	120	9	84	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
◎	RF β-BT40AD-SGER32-160 +RF N32SGXR nano	06A	160	9	124	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	B	
○	RF β-BT40AD-SGER32-200 +RF N32SGXR nano	06A	200	9	164	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	B	
◎	RF β-BT40AD-SGER40-070 +RF N40SGXR nano	06A	70	9	34	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	RF β-BT40AD-SGER40-100 +RF N40SGXR nano	06A	100	9	64	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	RF β-BT40AD-SGER40-120 +RF N40SGXR nano	06A	120	9	84	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.70	B	
◎	RF β-BT40AD-SGER40-160 +RF N40SGXR nano	06A	160	9	124	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.30	B	
○	RF β-BT40AD-SGER40-200 +RF N40SGXR nano	06A	200	9	164	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF β-BT50AD-SGER16-080 +RF N16SGXR nano	06A	80	9	33	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.70	C	
◎	RF β-BT50AD-SGER16-100 +RF N16SGXR nano	06A	100	9	53	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
◎	RF β-BT50AD-SGER16-120 +RF N16SGXR nano	06A	120	9	73	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.10	C	
◎	RF β-BT50AD-SGER16-160 +RF N16SGXR nano	06B	160	9	113	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.50	C	
○	RF β-BT50AD-SGER16-200 +RF N16SGXR nano	06B	200	9	153	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.90	C	
○	RF β-BT50AD-SGER20-080 +RF N20SGXR nano	06A	80	9	33	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.80	C	
◎	RF β-BT50AD-SGER20-100 +RF N20SGXR nano	06A	100	9	53	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
◎	RF β-BT50AD-SGER20-120 +RF N20SGXR nano	06A	120	9	73	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.20	C	
◎	RF β-BT50AD-SGER20-160 +RF N20SGXR nano	06B	160	9	113	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.60	C	
○	RF β-BT50AD-SGER20-200 +RF N20SGXR nano	06B	200	9	153	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	5.00	C	
○	RF β-BT50AD-SGER25-080 +RF N25SGXR nano	06A	80	9	33	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.00	C	
◎	RF β-BT50AD-SGER25-100 +RF N25SGXR nano	06A	100	9	53	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.20	C	
◎	RF β-BT50AD-SGER25-120 +RF N25SGXR nano	06A	120	9	73	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
◎	RF β-BT50AD-SGER25-160 +RF N25SGXR nano	06B	160	9	113	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.80	C	
○	RF β-BT50AD-SGER25-200 +RF N25SGXR nano	06B	200	9	153	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	5.20	C	
○	RF β-BT50AD-SGER32-080 +RF N32SGXR nano	06A	80	9	33	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.20	C	
◎	RF β-BT50AD-SGER32-100 +RF N32SGXR nano	06A	100	9	53	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
◎	RF β-BT50AD-SGER32-120 +RF N32SGXR nano	06A	120	9	73	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.60	C	
◎	RF β-BT50AD-SGER32-160 +RF N32SGXR nano	06B	160	9	113	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	5.00	C	
○	RF β-BT50AD-SGER32-200 +RF N32SGXR nano	06B	200	9	153	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	5.40	C	
○	RF β-BT50AD-SGER40-080 +RF N40SGXR nano	06A	80	9	33	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.60	C	
◎	RF β-BT50AD-SGER40-100 +RF N40SGXR nano	06A	100	9	53	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.90	C	
◎	RF β-BT50AD-SGER40-120 +RF N40SGXR nano	06A	120	9	73	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.20	C	
◎	RF β-BT50AD-SGER40-160 +RF N40SGXR nano	06A	160	9	113	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.80	C	
○	RF β-BT50AD-SGER40-200 +RF N40SGXR nano	06A	200	9	153	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	6.40	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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF β-BT30AD-SGER16-060 +RF N16SGX nano	06D	60	9	29	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.60	B	
◎	RF β-BT30AD-SGER16-080 +RF N16SGX nano	06D	80	9	49	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	RF β-BT30AD-SGER16-100 +RF N16SGX nano	06D	100	9	69	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	RF β-BT30AD-SGER16-120 +RF N16SGX nano	06D	120	9	89	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF β-BT30AD-SGER16-160 +RF N16SGX nano	06E	160	9	129	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF β-BT30AD-SGER20-060 +RF N20SGX nano	06D	60	9	29	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.70	B	
◎	RF β-BT30AD-SGER20-080 +RF N20SGX nano	06D	80	9	49	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	RF β-BT30AD-SGER20-100 +RF N20SGX nano	06D	100	9	69	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	RF β-BT30AD-SGER20-120 +RF N20SGX nano	06D	120	9	89	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF β-BT30AD-SGER20-160 +RF N20SGX nano	06E	160	9	129	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF β-BT30AD-SGER25-060 +RF N25SGX nano	06D	60	9	29	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	0.90	B	
◎	RF β-BT30AD-SGER25-080 +RF N25SGX nano	06D	80	9	49	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
◎	RF β-BT30AD-SGER25-100 +RF N25SGX nano	06D	100	9	69	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	RF β-BT30AD-SGER25-120 +RF N25SGX nano	06D	120	9	89	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF β-BT30AD-SGER25-160 +RF N25SGX nano	06D	160	9	129	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF β-BT30AD-SGER32-070 +RF N32SGX nano	06F	70	8	27	-	53	52.4	52	YMK050	2.0~20.0	ER32	M18*P1.5	1.20	B	
◎	RF β-BT30AD-SGER32-100 +RF N32SGX nano	06F	100	8	57	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	RF β-BT30AD-SGER32-120 +RF N32SGX nano	06F	120	8	77	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF β-BT30AD-SGER32-160 +RF N32SGX nano	06F	160	8	117	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // RF β-BT-SGER+RF NSGX nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF β-BT40AD-SGER16-070 +RF N16SGX nano	06D	70	9	34	-	38	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	RF β-BT40AD-SGER16-100 +RF N16SGX nano	06D	100	9	64	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.40	B	
◎	RF β-BT40AD-SGER16-120 +RF N16SGX nano	06D	120	9	84	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF β-BT40AD-SGER16-160 +RF N16SGX nano	06E	160	9	124	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	B	
○	RF β-BT40AD-SGER16-200 +RF N16SGX nano	06E	200	9	164	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	B	
◎	RF β-BT40AD-SGER20-070 +RF N20SGX nano	06D	70	9	34	-	36	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	RF β-BT40AD-SGER20-100 +RF N20SGX nano	06D	100	9	64	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.50	B	
◎	RF β-BT40AD-SGER20-120 +RF N20SGX nano	06D	120	9	84	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF β-BT40AD-SGER20-160 +RF N20SGX nano	06E	160	9	124	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	B	
○	RF β-BT40AD-SGER20-200 +RF N20SGX nano	06E	200	9	164	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	B	
◎	RF β-BT40AD-SGER25-070 +RF N25SGX nano	06D	70	9	34	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	RF β-BT40AD-SGER25-100 +RF N25SGX nano	06D	100	9	64	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.70	B	
◎	RF β-BT40AD-SGER25-120 +RF N25SGX nano	06D	120	9	84	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF β-BT40AD-SGER25-160 +RF N25SGX nano	06D	160	9	124	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	B	
○	RF β-BT40AD-SGER25-200 +RF N25SGX nano	06D	200	9	164	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	B	
◎	RF β-BT40AD-SGER32-070 +RF N32SGX nano	06D	70	9	34	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	RF β-BT40AD-SGER32-100 +RF N32SGX nano	06D	100	9	64	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.90	B	
◎	RF β-BT40AD-SGER32-120 +RF N32SGX nano	06D	120	9	84	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
◎	RF β-BT40AD-SGER32-160 +RF N32SGX nano	06D	160	9	124	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	B	
○	RF β-BT40AD-SGER32-200 +RF N32SGX nano	06D	200	9	164	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	B	
◎	RF β-BT40AD-SGER40-070 +RF N40SGX nano	06D	70	9	34	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	RF β-BT40AD-SGER40-100 +RF N40SGX nano	06D	100	9	64	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	RF β-BT40AD-SGER40-120 +RF N40SGX nano	06D	120	9	84	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.70	B	
◎	RF β-BT40AD-SGER40-160 +RF N40SGX nano	06D	160	9	124	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.30	B	
○	RF β-BT40AD-SGER40-200 +RF N40SGX nano	06D	200	9	164	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	B	

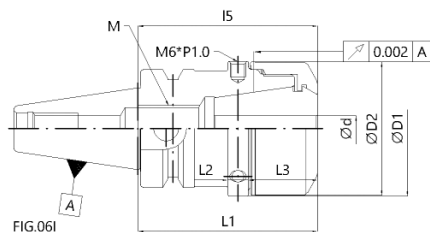
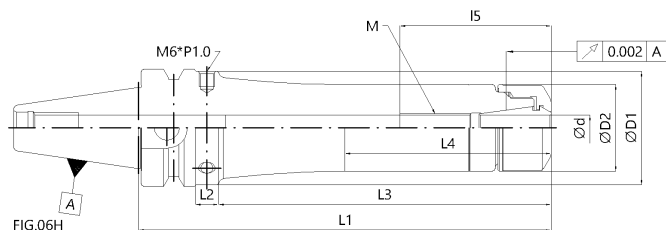
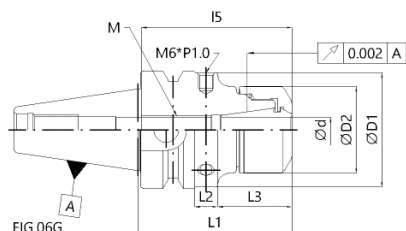
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF β-BT50AD-SGER16-080 +RF N16SGX nano	06D	80	9	33	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.70	C	
◎	RF β-BT50AD-SGER16-100 +RF N16SGX nano	06D	100	9	53	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
◎	RF β-BT50AD-SGER16-120 +RF N16SGX nano	06D	120	9	73	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.10	C	
◎	RF β-BT50AD-SGER16-160 +RF N16SGX nano	06E	160	9	113	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.50	C	
○	RF β-BT50AD-SGER16-200 +RF N16SGX nano	06E	200	9	153	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.90	C	
○	RF β-BT50AD-SGER20-080 +RF N20SGX nano	06D	80	9	33	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.80	C	
◎	RF β-BT50AD-SGER20-100 +RF N20SGX nano	06D	100	9	53	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
◎	RF β-BT50AD-SGER20-120 +RF N20SGX nano	06D	120	9	73	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.20	C	
◎	RF β-BT50AD-SGER20-160 +RF N20SGX nano	06E	160	9	113	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.60	C	
○	RF β-BT50AD-SGER20-200 +RF N20SGX nano	06E	200	9	153	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	5.00	C	
○	RF β-BT50AD-SGER25-080 +RF N25SGX nano	06D	80	9	33	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.00	C	
◎	RF β-BT50AD-SGER25-100 +RF N25SGX nano	06D	100	9	53	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.20	C	
◎	RF β-BT50AD-SGER25-120 +RF N25SGX nano	06D	120	9	73	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
◎	RF β-BT50AD-SGER25-160 +RF N25SGX nano	06E	160	9	113	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.80	C	
○	RF β-BT50AD-SGER25-200 +RF N25SGX nano	06E	200	9	153	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	5.20	C	
○	RF β-BT50AD-SGER32-080 +RF N32SGX nano	06D	80	9	33	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.20	C	
◎	RF β-BT50AD-SGER32-100 +RF N32SGX nano	06D	100	9	53	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
◎	RF β-BT50AD-SGER32-120 +RF N32SGX nano	06D	120	9	73	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.60	C	
◎	RF β-BT50AD-SGER32-160 +RF N32SGX nano	06E	160	9	113	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	5.00	C	
○	RF β-BT50AD-SGER32-200 +RF N32SGX nano	06E	200	9	153	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	5.40	C	
○	RF β-BT50AD-SGER40-080 +RF N40SGX nano	06D	80	9	33	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.60	C	
◎	RF β-BT50AD-SGER40-100 +RF N40SGX nano	06D	100	9	53	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.90	C	
◎	RF β-BT50AD-SGER40-120 +RF N40SGX nano	06D	120	9	73	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.20	C	
◎	RF β-BT50AD-SGER40-160 +RF N40SGX nano	06D	160	9	113	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.80	C	
○	RF β-BT50AD-SGER40-200 +RF N40SGX nano	06D	200	9	153	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	6.40	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF β-BT30AD-SGER16-060 +RF N16SGSXR	06G	60	9	29	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.60	B	
◎	RF β-BT30AD-SGER16-080 +RF N16SGSXR	06G	80	9	49	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	RF β-BT30AD-SGER16-100 +RF N16SGSXR	06G	100	9	69	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	RF β-BT30AD-SGER16-120 +RF N16SGSXR	06G	120	9	89	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF β-BT30AD-SGER16-160 +RF N16SGSXR	06H	160	9	129	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF β-BT30AD-SGER20-060 +RF N20SGSXR	06G	60	9	29	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.70	B	
◎	RF β-BT30AD-SGER20-080 +RF N20SGSXR	06G	80	9	49	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	RF β-BT30AD-SGER20-100 +RF N20SGSXR	06G	100	9	69	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	RF β-BT30AD-SGER20-120 +RF N20SGSXR	06G	120	9	89	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF β-BT30AD-SGER20-160 +RF N20SGSXR	06H	160	9	129	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF β-BT30AD-SGER25-060 +RF N25SGSXR	06G	60	9	29	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	0.90	B	
◎	RF β-BT30AD-SGER25-080 +RF N25SGSXR	06G	80	9	49	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
◎	RF β-BT30AD-SGER25-100 +RF N25SGSXR	06G	100	9	69	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	RF β-BT30AD-SGER25-120 +RF N25SGSXR	06G	120	9	89	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF β-BT30AD-SGER25-160 +RF N25SGSXR	06G	160	9	129	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF β-BT30AD-SGER32-070 +RF N32SGSXR	06I	70	8	27	-	53	52.4	52	RY0520	2.0~20.0	ER32	M18*P1.5	1.20	B	
◎	RF β-BT30AD-SGER32-100 +RF N32SGSXR	06I	100	8	57	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	RF β-BT30AD-SGER32-120 +RF N32SGSXR	06I	120	8	77	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF β-BT30AD-SGER32-160 +RF N32SGSXR	06I	160	8	117	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	

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supERgrip SGER & ER // RF β-BT-SGER+RF NSGSXR

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGX

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGX

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

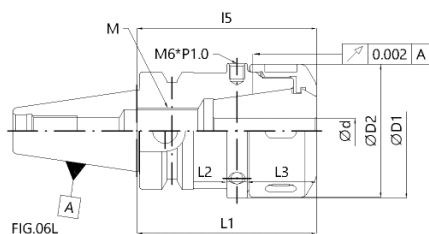
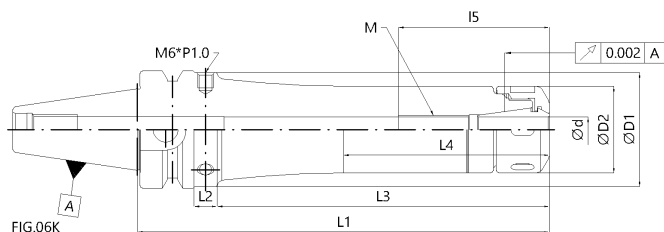
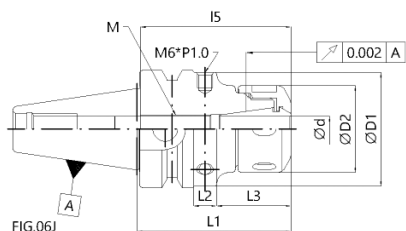
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF β-BT40AD-SGER16-070 +RF N16SGSXR	06G	70	9	34	-	38	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	RF β-BT40AD-SGER16-100 +RF N16SGSXR	06G	100	9	64	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.40	B	
◎	RF β-BT40AD-SGER16-120 +RF N16SGSXR	06G	120	9	84	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF β-BT40AD-SGER16-160 +RF N16SGSXR	06H	160	9	124	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	B	
○	RF β-BT40AD-SGER16-200 +RF N16SGSXR	06H	200	9	164	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	B	
◎	RF β-BT40AD-SGER20-070 +RF N20SGSXR	06G	70	9	34	-	36	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	RF β-BT40AD-SGER20-100 +RF N20SGSXR	06G	100	9	64	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.50	B	
◎	RF β-BT40AD-SGER20-120 +RF N20SGSXR	06G	120	9	84	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF β-BT40AD-SGER20-160 +RF N20SGSXR	06H	160	9	124	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	B	
○	RF β-BT40AD-SGER20-200 +RF N20SGSXR	06H	200	9	164	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	B	
◎	RF β-BT40AD-SGER25-070 +RF N25SGSXR	06G	70	9	34	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	RF β-BT40AD-SGER25-100 +RF N25SGSXR	06G	100	9	64	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.70	B	
◎	RF β-BT40AD-SGER25-120 +RF N25SGSXR	06G	120	9	84	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF β-BT40AD-SGER25-160 +RF N25SGSXR	06G	160	9	124	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	B	
○	RF β-BT40AD-SGER25-200 +RF N25SGSXR	06G	200	9	164	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	B	
◎	RF β-BT40AD-SGER32-070 +RF N32SGSXR	06G	70	9	34	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	RF β-BT40AD-SGER32-100 +RF N32SGSXR	06G	100	9	64	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.90	B	
◎	RF β-BT40AD-SGER32-120 +RF N32SGSXR	06G	120	9	84	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
◎	RF β-BT40AD-SGER32-160 +RF N32SGSXR	06G	160	9	124	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	B	
○	RF β-BT40AD-SGER32-200 +RF N32SGSXR	06G	200	9	164	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	B	
◎	RF β-BT40AD-SGER40-070 +RF N40SGSXR	06G	70	9	34	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	RF β-BT40AD-SGER40-100 +RF N40SGSXR	06G	100	9	64	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	RF β-BT40AD-SGER40-120 +RF N40SGSXR	06G	120	9	84	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.70	B	
◎	RF β-BT40AD-SGER40-160 +RF N40SGSXR	06G	160	9	124	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.30	B	
○	RF β-BT40AD-SGER40-200 +RF N40SGSXR	06G	200	9	164	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF β-BT50AD-SGER16-080 +RF N16SGSXR	06G	80	9	33	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.70	C	
◎	RF β-BT50AD-SGER16-100 +RF N16SGSXR	06G	100	9	53	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
◎	RF β-BT50AD-SGER16-120 +RF N16SGSXR	06G	120	9	73	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.10	C	
◎	RF β-BT50AD-SGER16-160 +RF N16SGSXR	06H	160	9	113	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.50	C	
○	RF β-BT50AD-SGER16-200 +RF N16SGSXR	06H	200	9	153	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.90	C	
○	RF β-BT50AD-SGER20-080 +RF N20SGSXR	06G	80	9	33	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.80	C	
◎	RF β-BT50AD-SGER20-100 +RF N20SGSXR	06G	100	9	53	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
◎	RF β-BT50AD-SGER20-120 +RF N20SGSXR	06G	120	9	73	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.20	C	
◎	RF β-BT50AD-SGER20-160 +RF N20SGSXR	06H	160	9	113	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.60	C	
○	RF β-BT50AD-SGER20-200 +RF N20SGSXR	06H	200	9	153	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	5.00	C	
○	RF β-BT50AD-SGER25-080 +RF N25SGSXR	06G	80	9	33	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.00	C	
◎	RF β-BT50AD-SGER25-100 +RF N25SGSXR	06G	100	9	53	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.20	C	
◎	RF β-BT50AD-SGER25-120 +RF N25SGSXR	06G	120	9	73	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
◎	RF β-BT50AD-SGER25-160 +RF N25SGSXR	06H	160	9	113	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.80	C	
○	RF β-BT50AD-SGER25-200 +RF N25SGSXR	06H	200	9	153	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	5.20	C	
○	RF β-BT50AD-SGER32-080 +RF N32SGSXR	06G	80	9	33	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.20	C	
◎	RF β-BT50AD-SGER32-100 +RF N32SGSXR	06G	100	9	53	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
◎	RF β-BT50AD-SGER32-120 +RF N32SGSXR	06G	120	9	73	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.60	C	
◎	RF β-BT50AD-SGER32-160 +RF N32SGSXR	06H	160	9	113	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	5.00	C	
○	RF β-BT50AD-SGER32-200 +RF N32SGSXR	06H	200	9	153	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	5.40	C	
○	RF β-BT50AD-SGER40-080 +RF N40SGSXR	06G	80	9	33	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.60	C	
◎	RF β-BT50AD-SGER40-100 +RF N40SGSXR	06G	100	9	53	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.90	C	
◎	RF β-BT50AD-SGER40-120 +RF N40SGSXR	06G	120	9	73	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.20	C	
◎	RF β-BT50AD-SGER40-160 +RF N40SGSXR	06G	160	9	113	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.80	C	
○	RF β-BT50AD-SGER40-200 +RF N40SGSXR	06G	200	9	153	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	6.40	C	

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RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX



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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF β-BT30AD-SGER16-060 +RF N16SGSX	06J	60	9	29	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.60	B	
◎	RF β-BT30AD-SGER16-080 +RF N16SGSX	06J	80	9	49	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	RF β-BT30AD-SGER16-100 +RF N16SGSX	06J	100	9	69	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	RF β-BT30AD-SGER16-120 +RF N16SGSX	06J	120	9	89	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF β-BT30AD-SGER16-160 +RF N16SGSX	06K	160	9	129	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF β-BT30AD-SGER20-060 +RF N20SGSX	06J	60	9	29	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.70	B	
◎	RF β-BT30AD-SGER20-080 +RF N20SGSX	06J	80	9	49	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	RF β-BT30AD-SGER20-100 +RF N20SGSX	06J	100	9	69	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	RF β-BT30AD-SGER20-120 +RF N20SGSX	06J	120	9	89	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF β-BT30AD-SGER20-160 +RF N20SGSX	06K	160	9	129	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF β-BT30AD-SGER25-060 +RF N25SGSX	06J	60	9	29	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	0.90	B	
◎	RF β-BT30AD-SGER25-080 +RF N25SGSX	06J	80	9	49	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
◎	RF β-BT30AD-SGER25-100 +RF N25SGSX	06J	100	9	69	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	RF β-BT30AD-SGER25-120 +RF N25SGSX	06J	120	9	89	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF β-BT30AD-SGER25-160 +RF N25SGSX	06J	160	9	129	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF β-BT30AD-SGER32-070 +RF N32SGSX	06L	70	8	27	-	53	52.4	52	YMK050	2.0~20.0	ER32	M18*P1.5	1.20	B	
◎	RF β-BT30AD-SGER32-100 +RF N32SGSX	06L	100	8	57	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	RF β-BT30AD-SGER32-120 +RF N32SGSX	06L	120	8	77	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF β-BT30AD-SGER32-160 +RF N32SGSX	06L	160	8	117	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // RF β-BT-SGER+RF NSGSX

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡鋼珠螺帽NSGSX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF β-BT40AD-SGER16-070 +RF N16SGSX	06J	70	9	34	-	38	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	RF β-BT40AD-SGER16-100 +RF N16SGSX	06J	100	9	64	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.40	B	
◎	RF β-BT40AD-SGER16-120 +RF N16SGSX	06J	120	9	84	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF β-BT40AD-SGER16-160 +RF N16SGSX	06K	160	9	124	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	B	
○	RF β-BT40AD-SGER16-200 +RF N16SGSX	06K	200	9	164	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	B	
◎	RF β-BT40AD-SGER20-070 +RF N20SGSX	06J	70	9	34	-	36	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	RF β-BT40AD-SGER20-100 +RF N20SGSX	06J	100	9	64	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.50	B	
◎	RF β-BT40AD-SGER20-120 +RF N20SGSX	06J	120	9	84	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF β-BT40AD-SGER20-160 +RF N20SGSX	06K	160	9	124	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	B	
○	RF β-BT40AD-SGER20-200 +RF N20SGSX	06K	200	9	164	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	B	
◎	RF β-BT40AD-SGER25-070 +RF N25SGSX	06J	70	9	34	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	RF β-BT40AD-SGER25-100 +RF N25SGSX	06J	100	9	64	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.70	B	
◎	RF β-BT40AD-SGER25-120 +RF N25SGSX	06J	120	9	84	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF β-BT40AD-SGER25-160 +RF N25SGSX	06J	160	9	124	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	B	
○	RF β-BT40AD-SGER25-200 +RF N25SGSX	06J	200	9	164	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	B	
◎	RF β-BT40AD-SGER32-070 +RF N32SGSX	06J	70	9	34	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	RF β-BT40AD-SGER32-100 +RF N32SGSX	06J	100	9	64	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.90	B	
◎	RF β-BT40AD-SGER32-120 +RF N32SGSX	06J	120	9	84	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
◎	RF β-BT40AD-SGER32-160 +RF N32SGSX	06J	160	9	124	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	B	
○	RF β-BT40AD-SGER32-200 +RF N32SGSX	06J	200	9	164	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	B	
◎	RF β-BT40AD-SGER40-070 +RF N40SGSX	06J	70	9	34	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	RF β-BT40AD-SGER40-100 +RF N40SGSX	06J	100	9	64	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	RF β-BT40AD-SGER40-120 +RF N40SGSX	06J	120	9	84	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.70	B	
◎	RF β-BT40AD-SGER40-160 +RF N40SGSX	06J	160	9	124	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.30	B	
○	RF β-BT40AD-SGER40-200 +RF N40SGSX	06J	200	9	164	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF β-BT50AD-SGER16-080 +RF N16SGSX	06J	80	9	33	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.70	C	
◎	RF β-BT50AD-SGER16-100 +RF N16SGSX	06J	100	9	53	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
◎	RF β-BT50AD-SGER16-120 +RF N16SGSX	06J	120	9	73	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.10	C	
◎	RF β-BT50AD-SGER16-160 +RF N16SGSX	06K	160	9	113	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.50	C	
○	RF β-BT50AD-SGER16-200 +RF N16SGSX	06K	200	9	153	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.90	C	
○	RF β-BT50AD-SGER20-080 +RF N20SGSX	06J	80	9	33	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.80	C	
◎	RF β-BT50AD-SGER20-100 +RF N20SGSX	06J	100	9	53	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
◎	RF β-BT50AD-SGER20-120 +RF N20SGSX	06J	120	9	73	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.20	C	
◎	RF β-BT50AD-SGER20-160 +RF N20SGSX	06K	160	9	113	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.60	C	
○	RF β-BT50AD-SGER20-200 +RF N20SGSX	06K	200	9	153	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	5.00	C	
○	RF β-BT50AD-SGER25-080 +RF N25SGSX	06J	80	9	33	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.00	C	
◎	RF β-BT50AD-SGER25-100 +RF N25SGSX	06J	100	9	53	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.20	C	
◎	RF β-BT50AD-SGER25-120 +RF N25SGSX	06J	120	9	73	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
◎	RF β-BT50AD-SGER25-160 +RF N25SGSX	06K	160	9	113	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.80	C	
○	RF β-BT50AD-SGER25-200 +RF N25SGSX	06K	200	9	153	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	5.20	C	
○	RF β-BT50AD-SGER32-080 +RF N32SGSX	06J	80	9	33	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.20	C	
◎	RF β-BT50AD-SGER32-100 +RF N32SGSX	06J	100	9	53	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
◎	RF β-BT50AD-SGER32-120 +RF N32SGSX	06J	120	9	73	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.60	C	
◎	RF β-BT50AD-SGER32-160 +RF N32SGSX	06K	160	9	113	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	5.00	C	
○	RF β-BT50AD-SGER32-200 +RF N32SGSX	06K	200	9	153	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	5.40	C	
○	RF β-BT50AD-SGER40-080 +RF N40SGSX	06J	80	9	33	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.60	C	
◎	RF β-BT50AD-SGER40-100 +RF N40SGSX	06J	100	9	53	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.90	C	
◎	RF β-BT50AD-SGER40-120 +RF N40SGSX	06J	120	9	73	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.20	C	
◎	RF β-BT50AD-SGER40-160 +RF N40SGSX	06J	160	9	113	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.80	C	
○	RF β-BT50AD-SGER40-200 +RF N40SGSX	06J	200	9	153	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	6.40	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

supERgrip SGER & ER // BT

supERgrip SGER & ER // BT

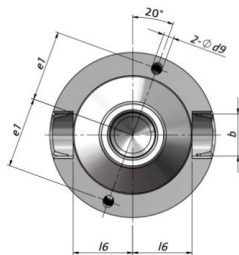
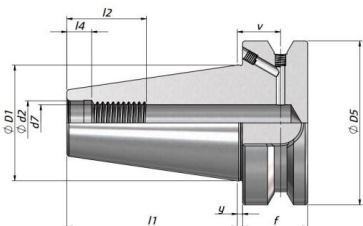
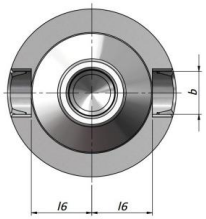
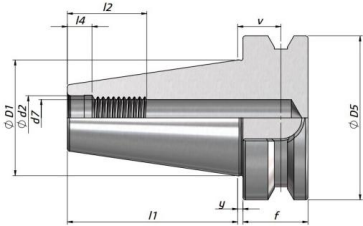
BT is the norm of 7/24 taper from Japan,
It started from the norm MAS403 in 1969, called MAS403-BT.
It was the first norm of 7/24 taper with ATC (Automatic Tool Changer)
In 1998, Japan published norm JIS B 6339:1998 to replace MAS403-BT
In 2007, ISO published ISO7388-2:2007 as new norm for 7/24 BT taper 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

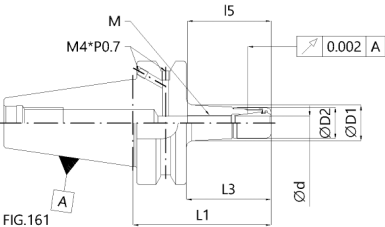
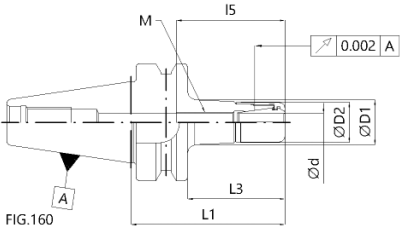
AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準

supERgrip SGER & ER // BT-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

supERgrip SGER mini slim power ER collet chucks+RF rustproof coating ound type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT30AD-SGER11M-060 +RF N11SGMXR	160	60	-	38	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	B	
◎	BT30AD-SGER11M-080 +RF N11SGMXR	160	80	-	58	-	39	20	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
◎	BT30AD-SGER11M-100 +RF N11SGMXR	160	100	-	78	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
◎	BT30AD-SGER16M-060 +RF N16SGMXR	160	60	-	38	-	46	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.50	B	
◎	BT30AD-SGER16M-080 +RF N16SGMXR	160	80	-	58	-	46	28	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.70	B	
◎	BT30AD-SGER16M-100 +RF N16SGMXR	160	100	-	78	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
◎	BT30AD-SGER20M-060 +RF N20SGMXR	160	60	-	38	-	51	30	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.60	B	
◎	BT30AD-SGER20M-080 +RF N20SGMXR	160	80	-	58	-	51	32	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.80	B	
◎	BT30AD-SGER20M-100 +RF N20SGMXR	160	100	-	78	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
○	BT30AD-SGER25M-060 +RF N25SGMXR	160	60	-	38	-	53	38	36	RY0360	0.5~16.0	ER25	M18*P1.5	0.80	B	
○	BT30AD-SGER25M-080 +RF N25SGMXR	160	80	-	58	-	53	40	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.00	B	
○	BT30AD-SGER25M-100 +RF N25SGMXR	160	100	-	78	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
○	BT30AD-SGER32M-070 +RF N32SGMXR	160	70	-	48	-	53	-	44	RY0440	2.0~20.0	ER32	M18*P1.5	1.10	B	
○	BT30AD-SGER32M-100 +RF N32SGMXR	160	100	-	78	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // BT-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
 supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT40AD/B-SGER11M-070 +RF N11SGMXR	161	70	-	43	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	B	
◎	BT40AD/B-SGER11M-100 +RF N11SGMXR	161	100	-	73	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.20	B	
◎	BT40AD/B-SGER11M-120 +RF N11SGMXR	161	120	-	93	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	B	
◎	BT40AD/B-SGER16M-070 +RF N16SGMXR	161	70	-	43	-	38	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	BT40AD/B-SGER16M-100 +RF N16SGMXR	161	100	-	73	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.30	B	
◎	BT40AD/B-SGER16M-120 +RF N16SGMXR	161	120	-	93	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.50	B	
◎	BT40AD/B-SGER20M-070 +RF N20SGMXR	161	70	-	43	-	36	30	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	BT40AD/B-SGER20M-100 +RF N20SGMXR	161	100	-	73	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.40	B	
◎	BT40AD/B-SGER20M-120 +RF N20SGMXR	161	120	-	93	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.60	B	
○	BT40AD/B-SGER25M-070 +RF N25SGMXR	161	70	-	43	-	53	38	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	BT40AD/B-SGER25M-100 +RF N25SGMXR	161	100	-	73	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.60	B	
○	BT40AD/B-SGER25M-120 +RF N25SGMXR	161	120	-	93	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.80	B	
○	BT40AD/B-SGER32M-070 +RF N32SGMXR	161	70	-	43	-	57	46	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	BT40AD/B-SGER32M-100 +RF N32SGMXR	161	100	-	73	-	57	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.80	B	
○	BT40AD/B-SGER32M-120 +RF N32SGMXR	161	120	-	93	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	BT50AD/B-SGER11M-080 +RF N11SGMXR	161	80	-	42	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	3.50	C	
◎	BT50AD/B-SGER11M-100 +RF N11SGMXR	161	100	-	62	-	39	20	16	RY0160	0.5~7.0	ER11	M8*P1.0	3.70	C	
◎	BT50AD/B-SGER11M-120 +RF N11SGMXR	161	120	-	82	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	3.90	C	
○	BT50AD/B-SGER16M-080 +RF N16SGMXR	161	80	-	42	-	46	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	3.60	C	
◎	BT50AD/B-SGER16M-100 +RF N16SGMXR	161	100	-	62	-	46	28	24	RY0240	0.5~10.0	ER16	M11*P1.0	3.80	C	
◎	BT50AD/B-SGER16M-120 +RF N16SGMXR	161	120	-	82	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	4.00	C	
○	BT50AD/B-SGER20M-080 +RF N20SGMXR	161	80	-	42	-	51	30	28	RY0280	0.5~13.0	ER20	M14*P1.0	3.70	C	
◎	BT50AD/B-SGER20M-100 +RF N20SGMXR	161	100	-	62	-	51	32	28	RY0280	0.5~13.0	ER20	M14*P1.0	3.90	C	
◎	BT50AD/B-SGER20M-120 +RF N20SGMXR	161	120	-	82	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	4.10	C	
○	BT50AD/B-SGER25M-080 +RF N25SGMXR	161	80	-	42	-	53	38	36	RY0360	0.5~16.0	ER25	M18*P1.5	3.90	C	
○	BT50AD/B-SGER25M-100 +RF N25SGMXR	161	100	-	62	-	53	40	36	RY0360	0.5~16.0	ER25	M18*P1.5	4.10	C	
○	BT50AD/B-SGER25M-120 +RF N25SGMXR	161	120	-	82	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	4.30	C	
○	BT50AD/B-SGER32M-080 +RF N32SGMXR	161	80	-	42	-	57	46	44	RY0440	2.0~20.0	ER32	M24*P1.5	4.10	C	
○	BT50AD/B-SGER32M-100 +RF N32SGMXR	161	100	-	62	-	57	48	44	RY0440	2.0~20.0	ER32	M24*P1.5	4.30	C	
○	BT50AD/B-SGER32M-120 +RF N32SGMXR	161	120	-	82	-	57	50	44	RY0440	2.0~20.0	ER32	M24*P1.5	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

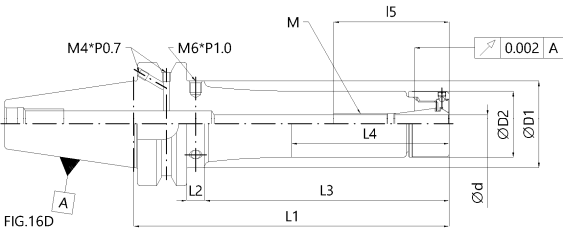
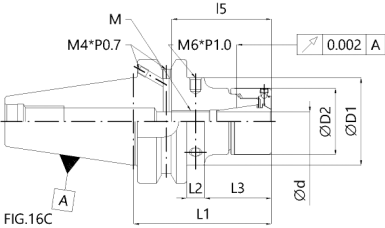
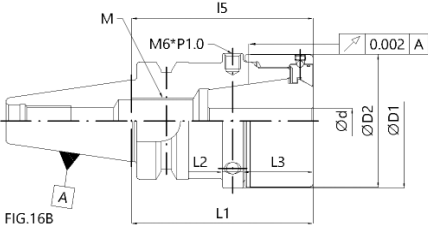
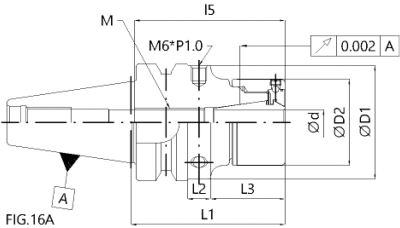
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // BT-SGER+RF NSGXR nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT30AD-SGER16-060 +RF N16SGXR nano	16A	60	9	29	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.60	B	
◎	BT30AD-SGER16-080 +RF N16SGXR nano	16A	80	9	49	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	BT30AD-SGER16-100 +RF N16SGXR nano	16A	100	9	69	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	BT30AD-SGER20-060 +RF N20SGXR nano	16A	60	9	29	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.70	B	
◎	BT30AD-SGER20-080 +RF N20SGXR nano	16A	80	9	49	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	BT30AD-SGER20-100 +RF N20SGXR nano	16A	100	9	69	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	BT30AD-SGER25-060 +RF N25SGXR nano	16A	60	9	29	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	0.90	B	
◎	BT30AD-SGER25-080 +RF N25SGXR nano	16A	80	9	49	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
◎	BT30AD-SGER25-100 +RF N25SGXR nano	16A	100	9	69	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
▲	BT30AD-SGER32-060S +RF N32SGXR nano	16B	60	8	27	-	47	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.10	B	
▲	BT30AD-SGER32-100S +RF N32SGXR nano	16B	100	8	67	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	BT30AD-SGER32-070 +RF N32SGXR nano	16B	70	8	27	-	53	52.4	52	RY0520	2.0~20.0	ER32	M18*P1.5	1.20	B	
◎	BT30AD-SGER32-100 +RF N32SGXR nano	16B	100	8	57	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

BT30AD-SGER32-xxxS的ATC干涉長為22mm // BT30AD-SGER32-xxxS are with ATC interference length 22mm

supERgrip SGER & ER // BT-SGER+RF NSGXr nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXr
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXr

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT40AD/B-SGER16-070 +RF N16SGXR nano	16C	70	9	34	-	38	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	BT40AD/B-SGER16-100 +RF N16SGXR nano	16C	100	9	64	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.40	B	
◎	BT40AD/B-SGER16-120 +RF N16SGXR nano	16C	120	9	84	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
	BT40AD/B-SGER16-160 +RF N16SGXR nano	16D	160	9	124	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	B	
	BT40AD/B-SGER16-200 +RF N16SGXR nano	16D	200	9	164	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	B	
◎	BT40AD/B-SGER20-070 +RF N20SGXR nano	16C	70	9	34	-	36	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	BT40AD/B-SGER20-100 +RF N20SGXR nano	16C	100	9	64	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.50	B	
◎	BT40AD/B-SGER20-120 +RF N20SGXR nano	16C	120	9	84	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
	BT40AD/B-SGER20-160 +RF N20SGXR nano	16D	160	9	124	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	B	
	BT40AD/B-SGER20-200 +RF N20SGXR nano	16D	200	9	164	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	B	
◎	BT40AD/B-SGER25-070 +RF N25SGXR nano	16C	70	9	34	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	BT40AD/B-SGER25-100 +RF N25SGXR nano	16C	100	9	64	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.70	B	
◎	BT40AD/B-SGER25-120 +RF N25SGXR nano	16C	120	9	84	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
	BT40AD/B-SGER25-160 +RF N25SGXR nano	16C	160	9	124	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	B	
	BT40AD/B-SGER25-200 +RF N25SGXR nano	16C	200	9	164	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	B	
◎	BT40AD/B-SGER32-070 +RF N32SGXR nano	16C	70	9	34	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	BT40AD/B-SGER32-100 +RF N32SGXR nano	16C	100	9	64	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.90	B	
◎	BT40AD/B-SGER32-120 +RF N32SGXR nano	16C	120	9	84	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
	BT40AD/B-SGER32-160 +RF N32SGXR nano	16C	160	9	124	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	B	
	BT40AD/B-SGER32-200 +RF N32SGXR nano	16C	200	9	164	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	B	
◎	BT40AD/B-SGER40-070 +RF N40SGXR nano	16C	70	9	34	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	BT40AD/B-SGER40-100 +RF N40SGXR nano	16C	100	9	64	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	BT40AD/B-SGER40-120 +RF N40SGXR nano	16C	120	9	84	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.70	B	
	BT40AD/B-SGER40-160 +RF N40SGXR nano	16C	160	9	124	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.30	B	
	BT40AD/B-SGER40-200 +RF N40SGXR nano	16C	200	9	164	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT50AD/B-SGER16-080 +RF N16SGXR nano	16C	80	9	33	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.70	C	
◎	BT50AD/B-SGER16-100 +RF N16SGXR nano	16C	100	9	53	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
◎	BT50AD/B-SGER16-120 +RF N16SGXR nano	16C	120	9	73	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.10	C	
◎	BT50AD/B-SGER16-160 +RF N16SGXR nano	16D	160	9	113	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.50	C	
	BT50AD/B-SGER16-200 +RF N16SGXR nano	16D	200	9	153	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.90	C	
◎	BT50AD/B-SGER20-080 +RF N20SGXR nano	16C	80	9	33	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.80	C	
◎	BT50AD/B-SGER20-100 +RF N20SGXR nano	16C	100	9	53	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
◎	BT50AD/B-SGER20-120 +RF N20SGXR nano	16C	120	9	73	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.20	C	
◎	BT50AD/B-SGER20-160 +RF N20SGXR nano	16D	160	9	113	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.60	C	
	BT50AD/B-SGER20-200 +RF N20SGXR nano	16D	200	9	153	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	5.00	C	
◎	BT50AD/B-SGER25-080 +RF N25SGXR nano	16C	80	9	33	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.00	C	
◎	BT50AD/B-SGER25-100 +RF N25SGXR nano	16C	100	9	53	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.20	C	
◎	BT50AD/B-SGER25-120 +RF N25SGXR nano	16C	120	9	73	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
◎	BT50AD/B-SGER25-160 +RF N25SGXR nano	16D	160	9	113	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.80	C	
	BT50AD/B-SGER25-200 +RF N25SGXR nano	16D	200	9	153	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	5.20	C	
◎	BT50AD/B-SGER32-080 +RF N32SGXR nano	16C	80	9	33	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.20	C	
◎	BT50AD/B-SGER32-100 +RF N32SGXR nano	16C	100	9	53	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
◎	BT50AD/B-SGER32-120 +RF N32SGXR nano	16C	120	9	73	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.60	C	
◎	BT50AD/B-SGER32-160 +RF N32SGXR nano	16D	160	9	113	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	5.00	C	
	BT50AD/B-SGER32-200 +RF N32SGXR nano	16D	200	9	153	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	5.40	C	
◎	BT50AD/B-SGER40-080 +RF N40SGXR nano	16C	80	9	33	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.60	C	
◎	BT50AD/B-SGER40-100 +RF N40SGXR nano	16C	100	9	53	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.90	C	
◎	BT50AD/B-SGER40-120 +RF N40SGXR nano	16C	120	9	73	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.20	C	
◎	BT50AD/B-SGER40-160 +RF N40SGXR nano	16C	160	9	113	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.80	C	
	BT50AD/B-SGER40-200 +RF N40SGXR nano	16C	200	9	153	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	6.40	C	

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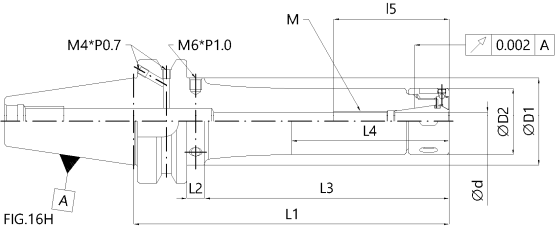
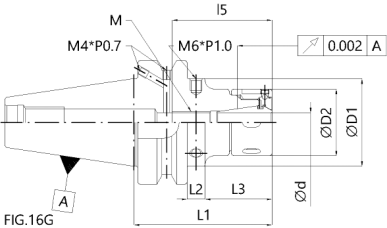
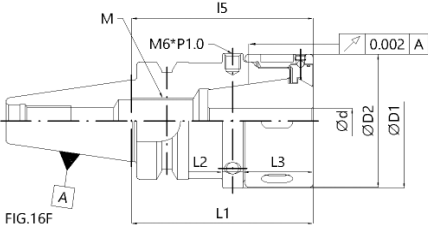
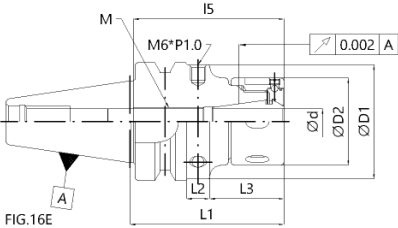
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supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT30AD-SGER16-060 +RF N16SGX nano	16E	60	9	29	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.60	B	
◎	BT30AD-SGER16-080 +RF N16SGX nano	16E	80	9	49	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	BT30AD-SGER16-100 +RF N16SGX nano	16E	100	9	69	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	BT30AD-SGER20-060 +RF N20SGX nano	16E	60	9	29	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.70	B	
◎	BT30AD-SGER20-080 +RF N20SGX nano	16E	80	9	49	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	BT30AD-SGER20-100 +RF N20SGX nano	16E	100	9	69	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	BT30AD-SGER25-060 +RF N25SGX nano	16E	60	9	29	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	0.90	B	
◎	BT30AD-SGER25-080 +RF N25SGX nano	16E	80	9	49	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
◎	BT30AD-SGER25-100 +RF N25SGX nano	16E	100	9	69	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
▲	BT30AD-SGER32-060S +RF N32SGX nano	16F	60	8	27	-	47	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.10	B	
▲	BT30AD-SGER32-100S +RF N32SGX nano	16F	100	8	67	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	BT30AD-SGER32-070 +RF N32SGX nano	16F	70	8	27	-	53	52.4	52	YMK050	2.0~20.0	ER32	M18*P1.5	1.20	B	
◎	BT30AD-SGER32-100 +RF N32SGX nano	16F	100	8	57	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

BT30AD-SGER32-xxxS的ATC干涉長為22mm // BT30AD-SGER32-xxxHA are with ATC interference length 22mm

supERgrip SGER & ER // BT-SGER+RF NSGX nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
 supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT40AD/B-SGER16-070 +RF N16SGX nano	16G	70	9	34	-	38	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	BT40AD/B-SGER16-100 +RF N16SGX nano	16G	100	9	64	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.40	B	
◎	BT40AD/B-SGER16-120 +RF N16SGX nano	16G	120	9	84	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
	BT40AD/B-SGER16-160 +RF N16SGX nano	16H	160	9	124	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	B	
	BT40AD/B-SGER16-200 +RF N16SGX nano	16H	200	9	164	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	B	
◎	BT40AD/B-SGER20-070 +RF N20SGX nano	16G	70	9	34	-	36	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	BT40AD/B-SGER20-100 +RF N20SGX nano	16G	100	9	64	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.50	B	
◎	BT40AD/B-SGER20-120 +RF N20SGX nano	16G	120	9	84	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
	BT40AD/B-SGER20-160 +RF N20SGX nano	16H	160	9	124	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	B	
	BT40AD/B-SGER20-200 +RF N20SGX nano	16H	200	9	164	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	B	
◎	BT40AD/B-SGER25-070 +RF N25SGX nano	16G	70	9	34	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	BT40AD/B-SGER25-100 +RF N25SGX nano	16G	100	9	64	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.70	B	
◎	BT40AD/B-SGER25-120 +RF N25SGX nano	16G	120	9	84	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
	BT40AD/B-SGER25-160 +RF N25SGX nano	16G	160	9	124	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	B	
	BT40AD/B-SGER25-200 +RF N25SGX nano	16G	200	9	164	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	B	
◎	BT40AD/B-SGER32-070 +RF N32SGX nano	16G	70	9	34	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	BT40AD/B-SGER32-100 +RF N32SGX nano	16G	100	9	64	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.90	B	
◎	BT40AD/B-SGER32-120 +RF N32SGX nano	16G	120	9	84	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
	BT40AD/B-SGER32-160 +RF N32SGX nano	16G	160	9	124	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	B	
	BT40AD/B-SGER32-200 +RF N32SGX nano	16G	200	9	164	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	B	
◎	BT40AD/B-SGER40-070 +RF N40SGX nano	16G	70	9	34	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	BT40AD/B-SGER40-100 +RF N40SGX nano	16G	100	9	64	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	BT40AD/B-SGER40-120 +RF N40SGX nano	16G	120	9	84	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.70	B	
	BT40AD/B-SGER40-160 +RF N40SGX nano	16G	160	9	124	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.30	B	
	BT40AD/B-SGER40-200 +RF N40SGX nano	16G	200	9	164	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT50AD/B-SGER16-080 +RF N16SGX nano	16G	80	9	33	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.70	C	
◎	BT50AD/B-SGER16-100 +RF N16SGX nano	16G	100	9	53	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
◎	BT50AD/B-SGER16-120 +RF N16SGX nano	16G	120	9	73	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.10	C	
◎	BT50AD/B-SGER16-160 +RF N16SGX nano	16H	160	9	113	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.50	C	
	BT50AD/B-SGER16-200 +RF N16SGX nano	16H	200	9	153	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.90	C	
◎	BT50AD/B-SGER20-080 +RF N20SGX nano	16G	80	9	33	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.80	C	
◎	BT50AD/B-SGER20-100 +RF N20SGX nano	16G	100	9	53	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
◎	BT50AD/B-SGER20-120 +RF N20SGX nano	16G	120	9	73	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.20	C	
◎	BT50AD/B-SGER20-160 +RF N20SGX nano	16H	160	9	113	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.60	C	
	BT50AD/B-SGER20-200 +RF N20SGX nano	16H	200	9	153	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	5.00	C	
◎	BT50AD/B-SGER25-080 +RF N25SGX nano	16G	80	9	33	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.00	C	
◎	BT50AD/B-SGER25-100 +RF N25SGX nano	16G	100	9	53	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.20	C	
◎	BT50AD/B-SGER25-120 +RF N25SGX nano	16G	120	9	73	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
◎	BT50AD/B-SGER25-160 +RF N25SGX nano	16H	160	9	113	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.80	C	
	BT50AD/B-SGER25-200 +RF N25SGX nano	16H	200	9	153	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	5.20	C	
◎	BT50AD/B-SGER32-080 +RF N32SGX nano	16G	80	9	33	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.20	C	
◎	BT50AD/B-SGER32-100 +RF N32SGX nano	16G	100	9	53	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
◎	BT50AD/B-SGER32-120 +RF N32SGX nano	16G	120	9	73	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.60	C	
◎	BT50AD/B-SGER32-160 +RF N32SGX nano	16H	160	9	113	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	5.00	C	
	BT50AD/B-SGER32-200 +RF N32SGX nano	16H	200	9	153	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	5.40	C	
◎	BT50AD/B-SGER40-080 +RF N40SGX nano	16G	80	9	33	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.60	C	
◎	BT50AD/B-SGER40-100 +RF N40SGX nano	16G	100	9	53	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.90	C	
◎	BT50AD/B-SGER40-120 +RF N40SGX nano	16G	120	9	73	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.20	C	
◎	BT50AD/B-SGER40-160 +RF N40SGX nano	16G	160	9	113	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.80	C	
	BT50AD/B-SGER40-200 +RF N40SGX nano	16G	200	9	153	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	6.40	C	

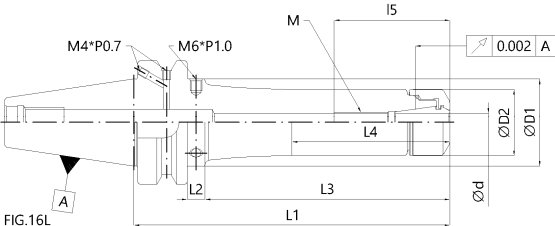
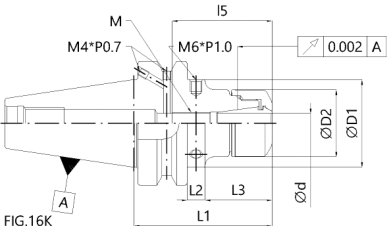
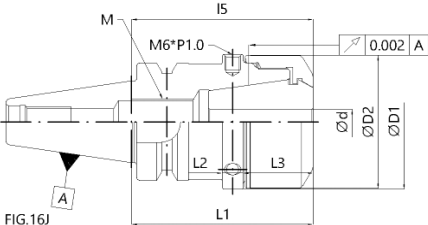
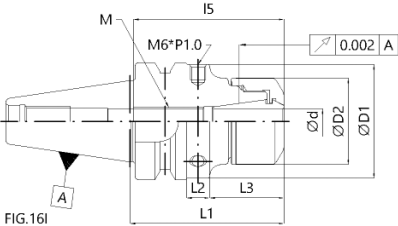
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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

supERgrip SGER & ER // BT-SGER+RF NSGSXR

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT30AD-SGER16-060 +RF N16SGSXR	16I	60	9	29	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.60	B	
◎	BT30AD-SGER16-080 +RF N16SGSXR	16I	80	9	49	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	BT30AD-SGER16-100 +RF N16SGSXR	16I	100	9	69	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	BT30AD-SGER20-060 +RF N20SGSXR	16I	60	9	29	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.70	B	
◎	BT30AD-SGER20-080 +RF N20SGSXR	16I	80	9	49	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	BT30AD-SGER20-100 +RF N20SGSXR	16I	100	9	69	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	BT30AD-SGER25-060 +RF N25SGSXR	16I	60	9	29	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	0.90	B	
◎	BT30AD-SGER25-080 +RF N25SGSXR	16I	80	9	49	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
◎	BT30AD-SGER25-100 +RF N25SGSXR	16I	100	9	69	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
▲	BT30AD-SGER32-060S +RF N32SGSXR	16J	60	8	27	-	47	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.10	B	
▲	BT30AD-SGER32-100S +RF N32SGSXR	16J	100	8	67	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	BT30AD-SGER32-070 +RF N32SGSXR	16J	70	8	27	-	53	52.4	52	RY0520	2.0~20.0	ER32	M18*P1.5	1.20	B	
◎	BT30AD-SGER32-100 +RF N32SGSXR	16J	100	8	57	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	

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BT30AD-SGER32-xxxS的ATC干涉長為22mm // BT30AD-SGER32-xxxS are with ATC interference length 22mm

supERgrip SGER & ER // BT-SGER+RF NSGSXR

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT40AD/B-SGER16-070 +RF N16SGSXR	16K	70	9	34	-	38	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	BT40AD/B-SGER16-100 +RF N16SGSXR	16K	100	9	64	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.40	B	
◎	BT40AD/B-SGER16-120 +RF N16SGSXR	16K	120	9	84	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
	BT40AD/B-SGER16-160 +RF N16SGSXR	16L	160	9	124	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	B	
	BT40AD/B-SGER16-200 +RF N16SGSXR	16L	200	9	164	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	B	
◎	BT40AD/B-SGER20-070 +RF N20SGSXR	16K	70	9	34	-	36	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	BT40AD/B-SGER20-100 +RF N20SGSXR	16K	100	9	64	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.50	B	
◎	BT40AD/B-SGER20-120 +RF N20SGSXR	16K	120	9	84	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
	BT40AD/B-SGER20-160 +RF N20SGSXR	16L	160	9	124	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	B	
	BT40AD/B-SGER20-200 +RF N20SGSXR	16L	200	9	164	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	B	
◎	BT40AD/B-SGER25-070 +RF N25SGSXR	16K	70	9	34	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	BT40AD/B-SGER25-100 +RF N25SGSXR	16K	100	9	64	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.70	B	
◎	BT40AD/B-SGER25-120 +RF N25SGSXR	16K	120	9	84	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
	BT40AD/B-SGER25-160 +RF N25SGSXR	16K	160	9	124	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	B	
	BT40AD/B-SGER25-200 +RF N25SGSXR	16K	200	9	164	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	B	
◎	BT40AD/B-SGER32-070 +RF N32SGSXR	16K	70	9	34	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	BT40AD/B-SGER32-100 +RF N32SGSXR	16K	100	9	64	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.90	B	
◎	BT40AD/B-SGER32-120 +RF N32SGSXR	16K	120	9	84	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
	BT40AD/B-SGER32-160 +RF N32SGSXR	16K	160	9	124	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	B	
	BT40AD/B-SGER32-200 +RF N32SGSXR	16K	200	9	164	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	B	
◎	BT40AD/B-SGER40-070 +RF N40SGSXR	16K	70	9	34	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	BT40AD/B-SGER40-100 +RF N40SGSXR	16K	100	9	64	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	BT40AD/B-SGER40-120 +RF N40SGSXR	16K	120	9	84	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.70	B	
	BT40AD/B-SGER40-160 +RF N40SGSXR	16K	160	9	124	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.30	B	
	BT40AD/B-SGER40-200 +RF N40SGSXR	16K	200	9	164	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT50AD/B-SGER16-080 +RF N16SGSXR	16K	80	9	33	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.70	C	
◎	BT50AD/B-SGER16-100 +RF N16SGSXR	16K	100	9	53	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
◎	BT50AD/B-SGER16-120 +RF N16SGSXR	16K	120	9	73	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.10	C	
◎	BT50AD/B-SGER16-160 +RF N16SGSXR	16L	160	9	113	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.50	C	
	BT50AD/B-SGER16-200 +RF N16SGSXR	16L	200	9	153	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	4.90	C	
◎	BT50AD/B-SGER20-080 +RF N20SGSXR	16K	80	9	33	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.80	C	
◎	BT50AD/B-SGER20-100 +RF N20SGSXR	16K	100	9	53	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
◎	BT50AD/B-SGER20-120 +RF N20SGSXR	16K	120	9	73	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.20	C	
◎	BT50AD/B-SGER20-160 +RF N20SGSXR	16L	160	9	113	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.60	C	
	BT50AD/B-SGER20-200 +RF N20SGSXR	16L	200	9	153	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	5.00	C	
◎	BT50AD/B-SGER25-080 +RF N25SGSXR	16K	80	9	33	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.00	C	
◎	BT50AD/B-SGER25-100 +RF N25SGSXR	16K	100	9	53	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.20	C	
◎	BT50AD/B-SGER25-120 +RF N25SGSXR	16K	120	9	73	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
◎	BT50AD/B-SGER25-160 +RF N25SGSXR	16L	160	9	113	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.80	C	
	BT50AD/B-SGER25-200 +RF N25SGSXR	16L	200	9	153	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	5.20	C	
◎	BT50AD/B-SGER32-080 +RF N32SGSXR	16K	80	9	33	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.20	C	
◎	BT50AD/B-SGER32-100 +RF N32SGSXR	16K	100	9	53	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
◎	BT50AD/B-SGER32-120 +RF N32SGSXR	16K	120	9	73	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.60	C	
◎	BT50AD/B-SGER32-160 +RF N32SGSXR	16L	160	9	113	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	5.00	C	
	BT50AD/B-SGER32-200 +RF N32SGSXR	16L	200	9	153	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	5.40	C	
◎	BT50AD/B-SGER40-080 +RF N40SGSXR	16K	80	9	33	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.60	C	
◎	BT50AD/B-SGER40-100 +RF N40SGSXR	16K	100	9	53	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.90	C	
◎	BT50AD/B-SGER40-120 +RF N40SGSXR	16K	120	9	73	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.20	C	
◎	BT50AD/B-SGER40-160 +RF N40SGSXR	16K	160	9	113	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.80	C	
	BT50AD/B-SGER40-200 +RF N40SGSXR	16K	200	9	153	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	6.40	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

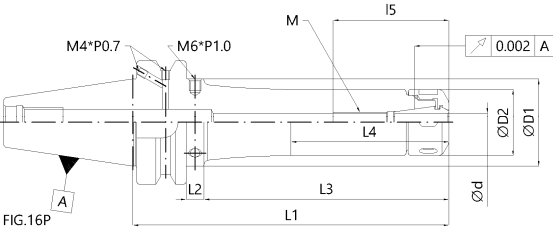
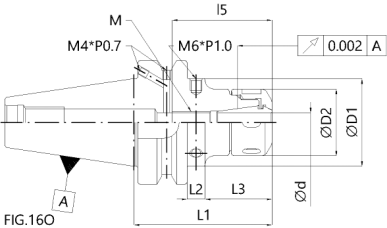
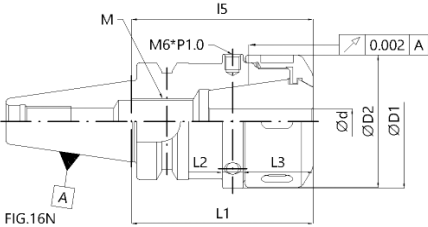
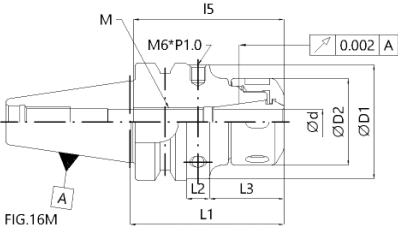
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // BT-SGER+RF NSGSX

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT30AD-SGER16-060 +RF N16SGSX	16M	60	9	29	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.60	B	
◎	BT30AD-SGER16-080 +RF N16SGSX	16M	80	9	49	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	BT30AD-SGER16-100 +RF N16SGSX	16M	100	9	69	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	BT30AD-SGER20-060 +RF N20SGSX	16M	60	9	29	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.70	B	
◎	BT30AD-SGER20-080 +RF N20SGSX	16M	80	9	49	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	BT30AD-SGER20-100 +RF N20SGSX	16M	100	9	69	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	BT30AD-SGER25-060 +RF N25SGSX	16M	60	9	29	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	0.90	B	
◎	BT30AD-SGER25-080 +RF N25SGSX	16M	80	9	49	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
◎	BT30AD-SGER25-100 +RF N25SGSX	16M	100	9	69	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
▲	BT30AD-SGER32-060S +RF N32SGSX	16N	60	8	27	-	47	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.10	B	
▲	BT30AD-SGER32-100S +RF N32SGSX	16N	100	8	67	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	BT30AD-SGER32-070 +RF N32SGSX	16N	70	8	27	-	53	52.4	52	YMK050	2.0~20.0	ER32	M18*P1.5	1.20	B	
◎	BT30AD-SGER32-100 +RF N32SGSX	16N	100	8	57	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

BT30AD-SGER32-xxxS的ATC干涉長為22mm // BT30AD-SGER32-xxxS are with ATC interference length 22mm

supERgrip SGER & ER // BT-SGER+RF NSGSX

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT40AD/B-SGER16-070 +RF N16SGSX	16O	70	9	34	-	38	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	BT40AD/B-SGER16-100 +RF N16SGSX	16O	100	9	64	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.40	B	
◎	BT40AD/B-SGER16-120 +RF N16SGSX	16O	120	9	84	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
	BT40AD/B-SGER16-160 +RF N16SGSX	16P	160	9	124	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	B	
	BT40AD/B-SGER16-200 +RF N16SGSX	16P	200	9	164	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	B	
◎	BT40AD/B-SGER20-070 +RF N20SGSX	16O	70	9	34	-	36	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	BT40AD/B-SGER20-100 +RF N20SGSX	16O	100	9	64	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.50	B	
◎	BT40AD/B-SGER20-120 +RF N20SGSX	16O	120	9	84	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
	BT40AD/B-SGER20-160 +RF N20SGSX	16P	160	9	124	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	B	
	BT40AD/B-SGER20-200 +RF N20SGSX	16P	200	9	164	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	B	
◎	BT40AD/B-SGER25-070 +RF N25SGSX	16O	70	9	34	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	BT40AD/B-SGER25-100 +RF N25SGSX	16O	100	9	64	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.70	B	
◎	BT40AD/B-SGER25-120 +RF N25SGSX	16O	120	9	84	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
	BT40AD/B-SGER25-160 +RF N25SGSX	16O	160	9	124	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	B	
	BT40AD/B-SGER25-200 +RF N25SGSX	16O	200	9	164	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	B	
◎	BT40AD/B-SGER32-070 +RF N32SGSX	16O	70	9	34	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	BT40AD/B-SGER32-100 +RF N32SGSX	16O	100	9	64	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.90	B	
◎	BT40AD/B-SGER32-120 +RF N32SGSX	16O	120	9	84	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
	BT40AD/B-SGER32-160 +RF N32SGSX	16O	160	9	124	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	B	
	BT40AD/B-SGER32-200 +RF N32SGSX	16O	200	9	164	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	B	
◎	BT40AD/B-SGER40-070 +RF N40SGSX	16O	70	9	34	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	BT40AD/B-SGER40-100 +RF N40SGSX	16O	100	9	64	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	BT40AD/B-SGER40-120 +RF N40SGSX	16O	120	9	84	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.70	B	
	BT40AD/B-SGER40-160 +RF N40SGSX	16O	160	9	124	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.30	B	
	BT40AD/B-SGER40-200 +RF N40SGSX	16O	200	9	164	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT50AD/B-SGER16-080 +RF N16SGSX	16O	80	9	33	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.70	C	
◎	BT50AD/B-SGER16-100 +RF N16SGSX	16O	100	9	53	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
◎	BT50AD/B-SGER16-120 +RF N16SGSX	16O	120	9	73	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.10	C	
◎	BT50AD/B-SGER16-160 +RF N16SGSX	16P	160	9	113	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.50	C	
	BT50AD/B-SGER16-200 +RF N16SGSX	16P	200	9	153	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	4.90	C	
◎	BT50AD/B-SGER20-080 +RF N20SGSX	16O	80	9	33	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.80	C	
◎	BT50AD/B-SGER20-100 +RF N20SGSX	16O	100	9	53	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
◎	BT50AD/B-SGER20-120 +RF N20SGSX	16O	120	9	73	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.20	C	
◎	BT50AD/B-SGER20-160 +RF N20SGSX	16P	160	9	113	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.60	C	
	BT50AD/B-SGER20-200 +RF N20SGSX	16P	200	9	153	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	5.00	C	
◎	BT50AD/B-SGER25-080 +RF N25SGSX	16O	80	9	33	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.00	C	
◎	BT50AD/B-SGER25-100 +RF N25SGSX	16O	100	9	53	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.20	C	
◎	BT50AD/B-SGER25-120 +RF N25SGSX	16O	120	9	73	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
◎	BT50AD/B-SGER25-160 +RF N25SGSX	16P	160	9	113	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.80	C	
	BT50AD/B-SGER25-200 +RF N25SGSX	16P	200	9	153	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	5.20	C	
◎	BT50AD/B-SGER32-080 +RF N32SGSX	16O	80	9	33	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.20	C	
◎	BT50AD/B-SGER32-100 +RF N32SGSX	16O	100	9	53	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
◎	BT50AD/B-SGER32-120 +RF N32SGSX	16O	120	9	73	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.60	C	
◎	BT50AD/B-SGER32-160 +RF N32SGSX	16P	160	9	113	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	5.00	C	
	BT50AD/B-SGER32-200 +RF N32SGSX	16P	200	9	153	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	5.40	C	
◎	BT50AD/B-SGER40-080 +RF N40SGSX	16O	80	9	33	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.60	C	
◎	BT50AD/B-SGER40-100 +RF N40SGSX	16O	100	9	53	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.90	C	
◎	BT50AD/B-SGER40-120 +RF N40SGSX	16O	120	9	73	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.20	C	
◎	BT50AD/B-SGER40-160 +RF N40SGSX	16O	160	9	113	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.80	C	
	BT50AD/B-SGER40-200 +RF N40SGSX	16O	200	9	153	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	6.40	C	

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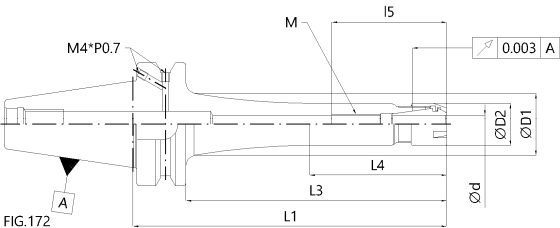
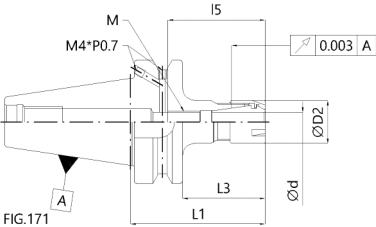
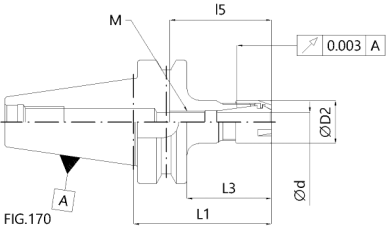
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // BT-ER+RF NMX

Mini細型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NMX

Mini slim ER collet chucks+RF rustproof coating balanced nut NMX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	BT30AD-ER08M-060 +RF N08MX	170	60	-	38	-	28	-	12	ER08M	0.5~7.0	ER08	M6*P1.0	0.40	D	
	BT30AD-ER08M-080 +RF N08MX	170	80	-	58	-	28	-	12	ER08M	0.5~7.0	ER08	M6*P1.0	0.60	D	
	BT30AD-ER08M-100 +RF N08MX	170	100	-	78	-	28	-	12	ER08M	0.5~7.0	ER08	M6*P1.0	0.80	D	
	BT30AD-ER08M-130 +RF N08MX	170	130	-	108	-	28	-	12	ER08M	0.5~7.0	ER08	M6*P1.0	1.10	D	
	BT30AD-ER11M-060 +RF N11MX	170	60	-	38	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	0.40	D	
	BT30AD-ER11M-080 +RF N11MX	170	80	-	58	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	0.60	D	
	BT30AD-ER11M-100 +RF N11MX	170	100	-	78	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	0.80	D	
	BT30AD-ER11M-130 +RF N11MX	170	130	-	108	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.10	D	
	BT30AD-ER16M-060 +RF N16MX	170	60	-	38	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.50	D	
	BT30AD-ER16M-080 +RF N16MX	170	80	-	58	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.70	D	
	BT30AD-ER16M-100 +RF N16MX	170	100	-	78	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.90	D	
	BT30AD-ER16M-130 +RF N16MX	170	130	-	108	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.20	D	
	BT30AD-ER20M-060 +RF N20MX	170	60	-	38	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	0.60	D	
	BT30AD-ER20M-080 +RF N20MX	170	80	-	58	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	0.80	D	
	BT30AD-ER20M-100 +RF N20MX	170	100	-	78	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.00	D	
	BT30AD-ER20M-130 +RF N20MX	170	130	-	108	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.30	D	
	BT30AD-ER25M-060 +RF N25MX	170	60	-	38	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	0.80	D	
	BT30AD-ER25M-080 +RF N25MX	170	80	-	58	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.00	D	
	BT30AD-ER25M-100 +RF N25MX	170	100	-	78	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.20	D	
	BT30AD-ER25M-130 +RF N25MX	170	130	-	108	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.50	D	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	BT40AD-ER08M-070 +RF N08MX	170	70	-	43	-	28	-	12	ER08M	0.5~5.0	ER08	M6*P1.0	0.90	D	
	BT40AD-ER08M-100 +RF N08MX	170	100	-	73	-	28	-	12	ER08M	0.5~5.0	ER08	M6*P1.0	1.20	D	
	BT40AD-ER08M-130 +RF N08MX	170	130	-	103	-	28	-	12	ER08M	0.5~5.0	ER08	M6*P1.0	1.50	D	
	BT40AD-ER11M-070 +RF N11MX	170	70	-	43	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	0.90	D	
	BT40AD-ER11M-100 +RF N11MX	170	100	-	73	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.20	D	
	BT40AD-ER11M-130 +RF N11MX	170	130	-	103	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.50	D	
	BT40AD-ER16M-070 +RF N16MX	170	70	-	43	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.00	D	
	BT40AD-ER16M-100 +RF N16MX	170	100	-	73	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.30	D	
	BT40AD-ER16M-130 +RF N16MX	170	130	-	103	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.60	D	
	BT40AD-ER20M-070 +RF N20MX	170	70	-	43	-	51	-	28	ER20M	0.5~10.0	ER20	M14*P1.0	1.10	D	
	BT40AD-ER20M-100 +RF N20MX	170	100	-	73	-	51	-	28	ER20M	0.5~10.0	ER20	M14*P1.0	1.40	D	
	BT40AD-ER20M-130 +RF N20MX	170	130	-	103	-	51	-	28	ER20M	0.5~10.0	ER20	M14*P1.0	1.70	D	
	BT40AD-ER25M-070 +RF N25MX	170	70	-	43	-	53	-	35	ER25M	0.5~10.0	ER25	M18*P1.5	1.30	D	
	BT40AD-ER25M-100 +RF N25MX	170	100	-	73	-	53	-	35	ER25M	0.5~10.0	ER25	M18*P1.5	1.60	D	
	BT40AD-ER25M-130 +RF N25MX	170	130	-	103	-	53	-	35	ER25M	0.5~10.0	ER25	M18*P1.5	1.90	D	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	BT40AD/B-ER11M-070 +RF N11MX	171	70	-	43	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	0.90	D	
	BT40AD/B-ER11M-100 +RF N11MX	171	100	-	73	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.20	D	
	BT40AD/B-ER11M-130 +RF N11MX	171	130	-	103	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.50	D	
	BT40AD/B-ER11M-160 +RF N11MX	171	160	-	133	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.80	D	
	BT40AD/B-ER16M-070 +RF N16MX	171	70	-	43	-	38	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.00	D	
	BT40AD/B-ER16M-100 +RF N16MX	171	100	-	73	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.30	D	
	BT40AD/B-ER16M-130 +RF N16MX	171	130	-	103	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.60	D	
	BT40AD/B-ER16M-160 +RF N16MX	172	160	-	133	70	46	36	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.90	D	
	BT40AD/B-ER20M-070 +RF N20MX	171	70	-	43	-	36	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.10	D	
	BT40AD/B-ER20M-100 +RF N20MX	171	100	-	73	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.40	D	
	BT40AD/B-ER20M-130 +RF N20MX	171	130	-	103	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.70	D	
	BT40AD/B-ER20M-160 +RF N20MX	172	160	-	133	70	51	42	28	ER20M	0.5~13.0	ER20	M14*P1.0	2.00	D	
	BT40AD/B-ER25M-070 +RF N25MX	171	70	-	43	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.30	D	
	BT40AD/B-ER25M-100 +RF N25MX	171	100	-	73	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.60	D	
	BT40AD/B-ER25M-130 +RF N25MX	171	130	-	103	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.90	D	
	BT40AD/B-ER25M-160 +RF N25MX	172	160	-	133	70	53	45	35	ER25M	0.5~16.0	ER25	M18*P1.5	2.20	D	

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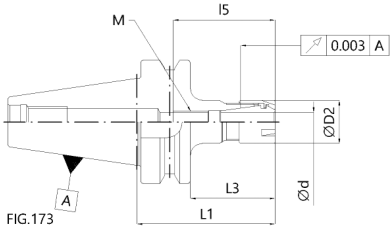
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supERgrip SGER & ER // BT-ER+NMX

Mini細型ER筒夾刀柄+高速平衡螺帽NMX

Mini slim ER collet chucks+balanced nut NMX



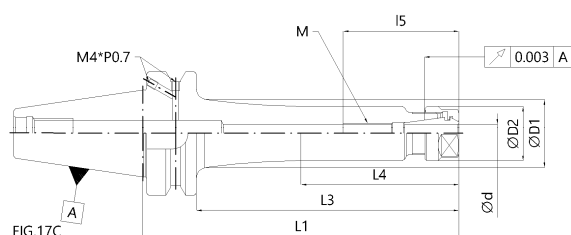
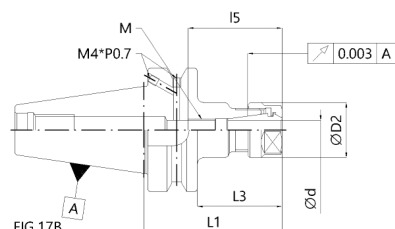
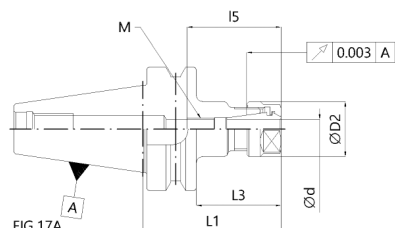
動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	BT30AD-ER08M-060 +N08MX	173	60	-	38	-	28	-	12	ER08M	0.5~7.0	ER08	M6*P1.0	0.40	D	
	BT30AD-ER08M-080 +N08MX	173	80	-	58	-	28	-	12	ER08M	0.5~7.0	ER08	M6*P1.0	0.60	D	
	BT30AD-ER08M-100 +N08MX	173	100	-	78	-	28	-	12	ER08M	0.5~7.0	ER08	M6*P1.0	0.80	D	
	BT30AD-ER08M-130 +N08MX	173	130	-	108	-	28	-	12	ER08M	0.5~7.0	ER08	M6*P1.0	1.10	D	
	BT30AD-ER11M-060 +N11MX	173	60	-	38	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	0.40	D	
	BT30AD-ER11M-080 +N11MX	173	80	-	58	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	0.60	D	
	BT30AD-ER11M-100 +N11MX	173	100	-	78	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	0.80	D	
	BT30AD-ER11M-130 +N11MX	173	130	-	108	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.10	D	
	BT30AD-ER16M-060 +N16MX	173	60	-	38	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.50	D	
	BT30AD-ER16M-080 +N16MX	173	80	-	58	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.70	D	
	BT30AD-ER16M-100 +N16MX	173	100	-	78	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.90	D	
	BT30AD-ER16M-130 +N16MX	173	130	-	108	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.20	D	
	BT30AD-ER20M-060 +N20MX	173	60	-	38	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	0.60	D	
	BT30AD-ER20M-080 +N20MX	173	80	-	58	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	0.80	D	
	BT30AD-ER20M-100 +N20MX	173	100	-	78	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.00	D	
	BT30AD-ER20M-130 +N20MX	173	130	-	108	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.30	D	
	BT30AD-ER25M-060 +N25MX	173	60	-	38	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	0.80	D	
	BT30AD-ER25M-080 +N25MX	173	80	-	58	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.00	D	
	BT30AD-ER25M-100 +N25MX	173	100	-	78	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.20	D	
	BT30AD-ER25M-130 +N25MX	173	130	-	108	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.50	D	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	BT40AD-ER08M-070 +N08MX	173	70	-	43	-	28	-	12	ER08M	0.5~5.0	ER08	M6*P1.0	0.90	D	
	BT40AD-ER08M-100 +N08MX	173	100	-	73	-	28	-	12	ER08M	0.5~5.0	ER08	M6*P1.0	1.20	D	
	BT40AD-ER08M-130 +N08MX	173	130	-	103	-	28	-	12	ER08M	0.5~5.0	ER08	M6*P1.0	1.50	D	
	BT40AD-ER11M-070 +N11MX	173	70	-	43	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	0.90	D	
	BT40AD-ER11M-100 +N11MX	173	100	-	73	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.20	D	
	BT40AD-ER11M-130 +N11MX	173	130	-	103	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.50	D	
	BT40AD-ER16M-070 +N16MX	173	70	-	43	-	38	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.00	D	
	BT40AD-ER16M-100 +N16MX	173	100	-	73	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.30	D	
	BT40AD-ER16M-130 +N16MX	173	130	-	103	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.60	D	
	BT40AD-ER20M-070 +N20MX	173	70	-	43	-	36	-	28	ER20M	0.5~10.0	ER20	M14*P1.0	1.10	D	
	BT40AD-ER20M-100 +N20MX	173	100	-	73	-	51	-	28	ER20M	0.5~10.0	ER20	M14*P1.0	1.40	D	
	BT40AD-ER20M-130 +N20MX	173	130	-	103	-	51	-	28	ER20M	0.5~10.0	ER20	M14*P1.0	1.70	D	
	BT40AD-ER25M-070 +N25MX	173	70	-	43	-	53	-	35	ER25M	0.5~10.0	ER25	M18*P1.5	1.30	D	
	BT40AD-ER25M-100 +N25MX	173	100	-	73	-	53	-	35	ER25M	0.5~10.0	ER25	M18*P1.5	1.60	D	
	BT40AD-ER25M-130 +N25MX	173	130	-	103	-	53	-	35	ER25M	0.5~10.0	ER25	M18*P1.5	1.90	D	

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每支刀柄出貨附1支"PS"拉桿螺栓，更換為RF RK拉桿螺栓要補差價 // Deliver with one "PS" pullstud for each chuck, change to RF RK retention knob will have extra charge



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	BT30AD-ER11-060 +RF N11SX	17A	60	-	38	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	0.50	D	
	BT30AD-ER11-080 +RF N11SX	17A	80	-	58	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	0.70	D	
	BT30AD-ER11-100 +RF N11SX	17A	100	-	78	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	0.90	D	
	BT30AD-ER11-130 +RF N11SX	17A	130	-	108	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	1.20	D	
	BT30AD-ER16-060 +RF N16SX	17A	60	-	38	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	0.60	D	
	BT30AD-ER16-080 +RF N16SX	17A	80	-	58	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	0.80	D	
	BT30AD-ER16-100 +RF N16SX	17A	100	-	78	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.00	D	
	BT30AD-ER16-130 +RF N16SX	17A	130	-	108	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.30	D	
	BT30AD-ER20-060 +RF N20SX	17A	60	-	38	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	0.70	D	
	BT30AD-ER20-080 +RF N20SX	17A	80	-	58	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	0.90	D	
	BT30AD-ER20-100 +RF N20SX	17A	100	-	78	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.10	D	
	BT30AD-ER20-130 +RF N20SX	17A	130	-	108	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.40	D	
	BT30AD-ER25-060 +RF N25SX	17A	60	-	38	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	0.90	D	
	BT30AD-ER25-080 +RF N25SX	17A	80	-	58	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.10	D	
	BT30AD-ER25-100 +RF N25SX	17A	100	-	78	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.30	D	
	BT30AD-ER25-130 +RF N25SX	17A	130	-	108	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.60	D	
	BT30AD-ER32-060 +RF N32SX	17A	60	-	38	-	47	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.10	D	
	BT30AD-ER32-080 +RF N32SX	17A	80	-	58	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.30	D	
	BT30AD-ER32-100 +RF N32SX	17A	100	-	78	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	D	
	BT30AD-ER32-130 +RF N32SX	17A	130	-	108	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	D	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // BT-ER+RF NSX

ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSX

ER collet chucks+RF rustproof coating balanced nut NSX

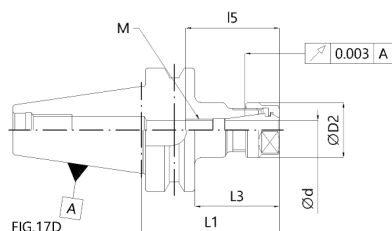
動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	BT40AD-ER11-070 +RF N11SX	17A	70	-	43	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	1.00	D	
	BT40AD-ER11-100 +RF N11SX	17A	100	-	73	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	1.30	D	
	BT40AD-ER11-130 +RF N11SX	17A	130	-	103	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	1.60	D	
	BT40AD-ER16-070 +RF N16SX	17A	70	-	43	-	38	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.10	D	
	BT40AD-ER16-100 +RF N16SX	17A	100	-	73	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.40	D	
	BT40AD-ER16-130 +RF N16SX	17A	130	-	103	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.70	D	
	BT40AD-ER20-070 +RF N20SX	17A	70	-	43	-	36	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.20	D	
	BT40AD-ER20-100 +RF N20SX	17A	100	-	73	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.50	D	
	BT40AD-ER20-130 +RF N20SX	17A	130	-	103	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.80	D	
	BT40AD-ER25-070 +RF N25SX	17A	70	-	43	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.40	D	
	BT40AD-ER25-100 +RF N25SX	17A	100	-	73	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.70	D	
	BT40AD-ER25-130 +RF N25SX	17A	130	-	103	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	2.00	D	
	BT40AD-ER32-070 +RF N32SX	17A	70	-	43	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	D	
	BT40AD-ER32-100 +RF N32SX	17A	100	-	73	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.90	D	
	BT40AD-ER32-130 +RF N32SX	17A	130	-	103	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	D	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	BT40AD/B-ER16-070 +RF N16SX	17B	70	-	43	-	38	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.10	D	
	BT40AD/B-ER16-100 +RF N16SX	17B	100	-	73	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.40	D	
	BT40AD/B-ER16-120 +RF N16SX	17B	120	-	93	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.60	D	
	BT40AD/B-ER16-160 +RF N16SX	17C	160	-	133	80	46	36	28	ER16	0.5~10.0	ER16	M11*P1.0	2.00	D	
	BT40AD/B-ER16-200 +RF N16SX	17C	200	-	173	120	46	36	28	ER16	0.5~10.0	ER16	M11*P1.0	2.40	D	
	BT40AD/B-ER20-070 +RF N20SX	17B	70	-	43	-	36	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.20	D	
	BT40AD/B-ER20-100 +RF N20SX	17B	100	-	73	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.50	D	
	BT40AD/B-ER20-120 +RF N20SX	17B	120	-	93	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.70	D	
	BT40AD/B-ER20-160 +RF N20SX	17C	160	-	133	80	51	42	34	ER20	0.5~13.0	ER20	M14*P1.0	2.10	D	
	BT40AD/B-ER20-200 +RF N20SX	17C	200	-	173	120	51	42	34	ER20	0.5~13.0	ER20	M14*P1.0	2.50	D	
	BT40AD/B-ER25-070 +RF N25SX	17B	70	-	43	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.40	D	
	BT40AD/B-ER25-100 +RF N25SX	17B	100	-	73	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.70	D	
	BT40AD/B-ER25-120 +RF N25SX	17B	120	-	93	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.90	D	
	BT40AD/B-ER25-160 +RF N25SX	17B	160	-	133	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	2.30	D	
	BT40AD/B-ER25-200 +RF N25SX	17B	200	-	173	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	2.70	D	
	BT40AD/B-ER32-070 +RF N32SX	17B	70	-	43	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	D	
	BT40AD/B-ER32-100 +RF N32SX	17B	100	-	73	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.90	D	
	BT40AD/B-ER32-120 +RF N32SX	17B	120	-	93	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	D	
	BT40AD/B-ER32-160 +RF N32SX	17B	160	-	133	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	D	
	BT40AD/B-ER32-200 +RF N32SX	17B	200	-	173	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	D	
	BT40AD/B-ER40-070 +RF N40SX	17B	70	-	43	-	62	-	63	YMK060	3.0~26.0	ER40	M28*P1.5	2.00	D	
	BT40AD/B-ER40-100 +RF N40SX	17B	100	-	73	-	67	-	63	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	D	
	BT40AD/B-ER40-120 +RF N40SX	17B	120	-	93	-	67	-	63	YMK060	3.0~26.0	ER40	M28*P1.5	2.70	D	
	BT40AD/B-ER40-160 +RF N40SX	17B	160	-	133	-	67	-	63	YMK060	3.0~26.0	ER40	M28*P1.5	3.30	D	
	BT40AD/B-ER40-200 +RF N40SX	17B	200	-	173	-	67	-	63	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	D	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	BT30AD-ER11-060 +N11SX	17D	60	-	38	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	0.50	D	
	BT30AD-ER11-080 +N11SX	17D	80	-	58	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	0.70	D	
	BT30AD-ER11-100 +N11SX	17D	100	-	78	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	0.90	D	
	BT30AD-ER11-130 +N11SX	17D	130	-	108	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	1.20	D	
	BT30AD-ER16-060 +N16SX	17D	60	-	38	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	0.60	D	
	BT30AD-ER16-080 +N16SX	17D	80	-	58	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	0.80	D	
	BT30AD-ER16-100 +N16SX	17D	100	-	78	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.00	D	
	BT30AD-ER16-130 +N16SX	17D	130	-	108	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.30	D	
	BT30AD-ER20-060 +N20SX	17D	60	-	38	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	0.70	D	
	BT30AD-ER20-080 +N20SX	17D	80	-	58	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	0.90	D	
	BT30AD-ER20-100 +N20SX	17D	100	-	78	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.10	D	
	BT30AD-ER20-130 +N20SX	17D	130	-	108	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.40	D	
	BT30AD-ER25-060 +N25SX	17D	60	-	38	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	0.90	D	
	BT30AD-ER25-080 +N25SX	17D	80	-	58	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.10	D	
	BT30AD-ER25-100 +N25SX	17D	100	-	78	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.30	D	
	BT30AD-ER25-130 +N25SX	17D	130	-	108	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.60	D	
	BT30AD-ER32-060 +N32SX	17D	60	-	38	-	47	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.10	D	
	BT30AD-ER32-080 +N32SX	17D	80	-	58	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.30	D	
	BT30AD-ER32-100 +N32SX	17D	100	-	78	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	D	
	BT30AD-ER32-130 +N32SX	17D	130	-	108	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	D	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	BT40AD-ER11-070 +N11SX	17D	70	-	43	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	1.00	D	
	BT40AD-ER11-100 +N11SX	17D	100	-	73	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	1.30	D	
	BT40AD-ER11-130 +N11SX	17D	130	-	103	-	39	-	19	ER11	0.5~7.0	ER11	M8*P1.0	1.60	D	
	BT40AD-ER16-070 +N16SX	17D	70	-	43	-	38	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.10	D	
	BT40AD-ER16-100 +N16SX	17D	100	-	73	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.40	D	
	BT40AD-ER16-130 +N16SX	17D	130	-	103	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.70	D	
	BT40AD-ER20-070 +N20SX	17D	70	-	43	-	36	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.20	D	
	BT40AD-ER20-100 +N20SX	17D	100	-	73	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.50	D	
	BT40AD-ER20-130 +N20SX	17D	130	-	103	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.80	D	
	BT40AD-ER25-070 +N25SX	17D	70	-	43	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.40	D	
	BT40AD-ER25-100 +N25SX	17D	100	-	73	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.70	D	
	BT40AD-ER25-130 +N25SX	17D	130	-	103	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	2.00	D	
	BT40AD-ER32-070 +N32SX	17D	70	-	43	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	D	
	BT40AD-ER32-100 +N32SX	17D	100	-	73	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.90	D	
	BT40AD-ER32-130 +N32SX	17D	130	-	73	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	D	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

每支刀柄出貨附1支"PS"拉桿螺栓，更換為RF RK拉桿螺栓要補差價 // Deliver with one "PS" pullstud for each chuck, change to RF RK retention knob will have extra charge

supERgrip SGER & ER // BTG

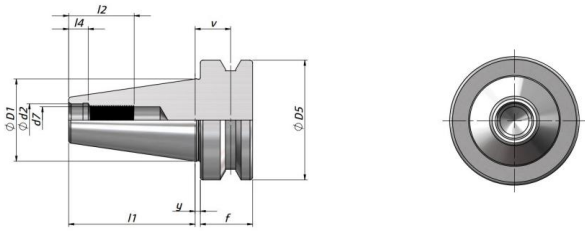
supERgrip SGER & ER // BTG

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



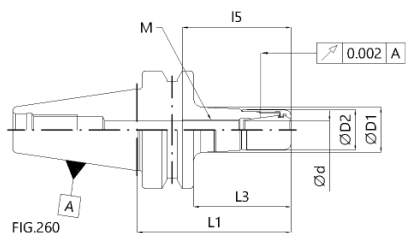
圓錐角度公差 // TAPER ANGLE TOLERANCE		
TAPER	#30 TAPER	#30 TAPER
AT1 (mm)		+0.0008/+0.0013
AT2 (mm)		+0.0013/+0.0020
AT3 (mm)		+0.0020/+0.0032
圓錐角度直線度公差 // TAPER ANGLE STRAIGHTNESS TOLERANCE		
TAPER	#30 TAPER	
		0.001
圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE		
TAPER	#30 TAPER	
		0.001

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

supERgrip SGER & ER // BTG-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT30GAD-SGER11M-060 +RF N11SGMXR	260	60	-	38	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	B	
○	BT30GAD-SGER11M-080 +RF N11SGMXR	260	80	-	58	-	39	20	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
○	BT30GAD-SGER11M-100 +RF N11SGMXR	260	100	-	78	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
◎	BT30GAD-SGER16M-060 +RF N16SGMXR	260	60	-	38	-	46	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.50	B	
○	BT30GAD-SGER16M-080 +RF N16SGMXR	260	80	-	58	-	46	28	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.70	B	
○	BT30GAD-SGER16M-100 +RF N16SGMXR	260	100	-	78	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
◎	BT30GAD-SGER20M-060 +RF N20SGMXR	260	60	-	38	-	51	30	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.60	B	
○	BT30GAD-SGER20M-080 +RF N20SGMXR	260	80	-	58	-	51	32	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.80	B	
○	BT30GAD-SGER20M-100 +RF N20SGMXR	260	100	-	78	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
○	BT30GAD-SGER25M-060 +RF N25SGMXR	260	60	-	38	-	53	38	36	RY0360	0.5~16.0	ER25	M18*P1.5	0.80	B	
○	BT30GAD-SGER25M-080 +RF N25SGMXR	260	80	-	58	-	53	40	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.00	B	
○	BT30GAD-SGER25M-100 +RF N25SGMXR	260	100	-	78	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
○	BT30GAD-SGER32M-070 +RF N32SGMXR	260	70	-	48	-	53	-	44	RY0440	2.0~20.0	ER32	M18*P1.5	1.10	B	
○	BT30GAD-SGER32M-100 +RF N32SGMXR	260	100	-	78	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	

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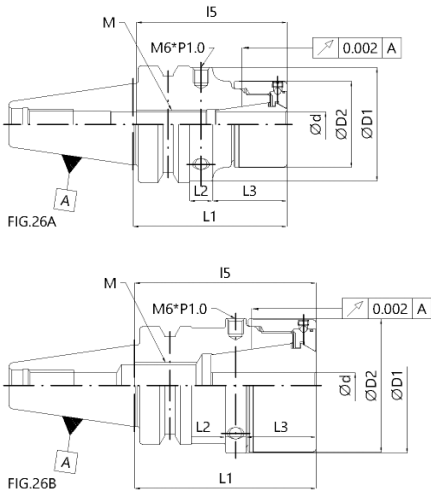
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // BTG-SGER+RF NSGXR nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



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

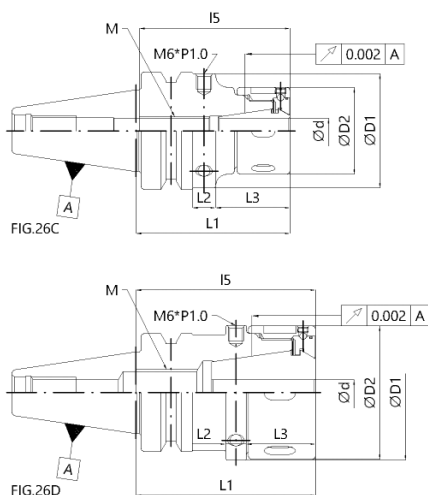
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT30GAD-SGER16-060 +RF N16SGXR nano	26A	60	9	29	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.60	B	
○	BT30GAD-SGER16-080 +RF N16SGXR nano	26A	80	9	49	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
○	BT30GAD-SGER16-100 +RF N16SGXR nano	26A	100	9	69	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	BT30GAD-SGER20-060 +RF N20SGXR nano	26A	60	9	29	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.70	B	
○	BT30GAD-SGER20-080 +RF N20SGXR nano	26A	80	9	49	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
○	BT30GAD-SGER20-100 +RF N20SGXR nano	26A	100	9	69	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	BT30GAD-SGER25-060 +RF N25SGXR nano	26A	60	9	29	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	0.90	B	
○	BT30GAD-SGER25-080 +RF N25SGXR nano	26A	80	9	49	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
○	BT30GAD-SGER25-100 +RF N25SGXR nano	26A	100	9	69	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	BT30GAD-SGER32-070 +RF N32SGXR nano	26B	70	8	27	-	53	52.4	52	RY0520	2.0~20.0	ER32	M18*P1.5	1.20	B	
○	BT30GAD-SGER32-100 +RF N32SGXR nano	26B	100	8	57	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT30GAD-SGER16-060 +RF N16SGX nano	26C	60	9	29	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.60	B	
○	BT30GAD-SGER16-080 +RF N16SGX nano	26C	80	9	49	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
○	BT30GAD-SGER16-100 +RF N16SGX nano	26C	100	9	69	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	BT30GAD-SGER20-060 +RF N20SGX nano	26C	60	9	29	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.70	B	
○	BT30GAD-SGER20-080 +RF N20SGX nano	26C	80	9	49	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
○	BT30GAD-SGER20-100 +RF N20SGX nano	26C	100	9	69	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	BT30GAD-SGER25-060 +RF N25SGX nano	26C	60	9	29	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	0.90	B	
○	BT30GAD-SGER25-080 +RF N25SGX nano	26C	80	9	49	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
○	BT30GAD-SGER25-100 +RF N25SGX nano	26C	100	9	69	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	BT30GAD-SGER32-070 +RF N32SGX nano	26D	70	8	27	-	53	52.4	52	YMK050	2.0~20.0	ER32	M18*P1.5	1.20	B	
○	BT30GAD-SGER32-100 +RF N32SGX nano	26D	100	8	57	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	

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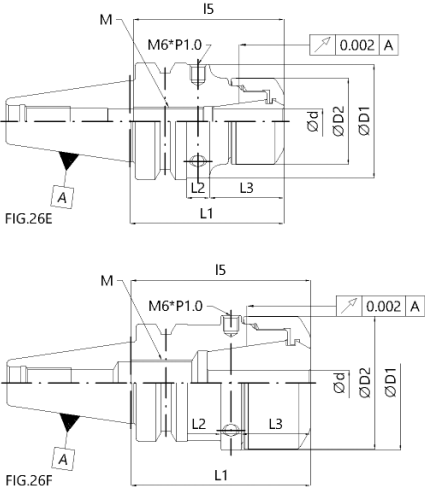
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supERgrip SGER & ER // BTG-SGER+RF NSGSXR

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



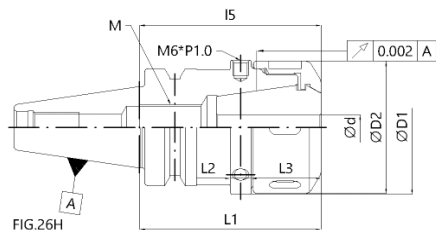
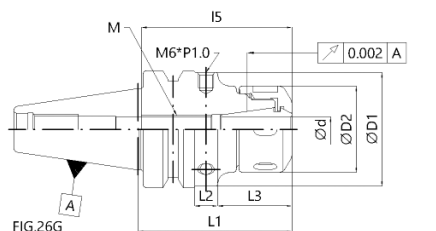
動平衡G2.5/30,000RPM可以另外施作 // BALANCE TO G2.5/30,000RPM IS AVAILABLE ON REQUEST

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT30GAD-SGER16-060 +RF N16SGSXR	26E	60	9	29	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.60	B	
○	BT30GAD-SGER16-080 +RF N16SGSXR	26E	80	9	49	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
○	BT30GAD-SGER16-100 +RF N16SGSXR	26E	100	9	69	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	BT30GAD-SGER20-060 +RF N20SGSXR	26E	60	9	29	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.70	B	
○	BT30GAD-SGER20-080 +RF N20SGSXR	26E	80	9	49	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
○	BT30GAD-SGER20-100 +RF N20SGSXR	26E	100	9	69	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	BT30GAD-SGER25-060 +RF N25SGSXR	26E	60	9	29	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	0.90	B	
○	BT30GAD-SGER25-080 +RF N25SGSXR	26E	80	9	49	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
○	BT30GAD-SGER25-100 +RF N25SGSXR	26E	100	9	69	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	BT30GAD-SGER32-070 +RF N32SGSXR	26F	70	8	27	-	53	52.4	52	RY0520	2.0~20.0	ER32	M18*P1.5	1.20	B	
○	BT30GAD-SGER32-100 +RF N32SGSXR	26F	100	8	57	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	

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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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	BT30GAD-SGER16-060 +RF N16SGSX	26G	60	9	29	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.60	B	
○	BT30GAD-SGER16-080 +RF N16SGSX	26G	80	9	49	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
○	BT30GAD-SGER16-100 +RF N16SGSX	26G	100	9	69	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	BT30GAD-SGER20-060 +RF N20SGSX	26G	60	9	29	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.70	B	
○	BT30GAD-SGER20-080 +RF N20SGSX	26G	80	9	49	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
○	BT30GAD-SGER20-100 +RF N20SGSX	26G	100	9	69	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	BT30GAD-SGER25-060 +RF N25SGSX	26G	60	9	29	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	0.90	B	
○	BT30GAD-SGER25-080 +RF N25SGSX	26G	80	9	49	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
○	BT30GAD-SGER25-100 +RF N25SGSX	26G	100	9	69	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	BT30GAD-SGER32-070 +RF N32SGSX	26H	70	8	27	-	53	52.4	52	YMK050	2.0~20.0	ER32	M18*P1.5	1.20	B	
○	BT30GAD-SGER32-100 +RF N32SGSX	26H	100	8	57	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	

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supERgrip SGER & ER // ISOG

supERgrip SGER & ER // ISOG

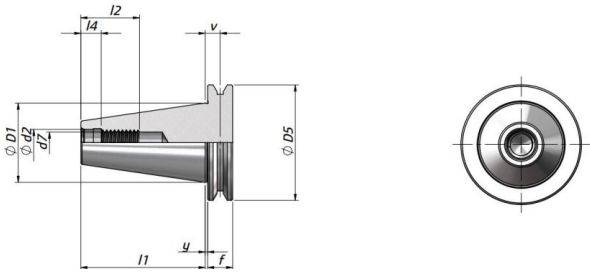
ISOG is the norm of 7/24 small ISO taper without drive key,
ISOxxGAD is coolant through center.

ISOG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

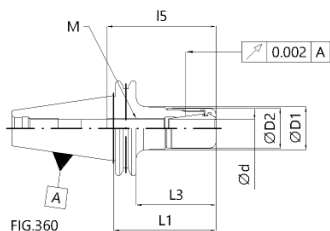
TAPER	#05 TAPER	#10 TAPER	#15 TAPER
	0.001	0.001	0.001
TAPER	#20 TAPER	#25 TAPER	#30 TAPER
	0.001	0.001	0.001

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

supERgrip SGER & ER // ISOG-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	ISO10GAD-SGER11M-030 +RF N11SGMXR	360	30	-	23	-	39	-	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.10	B	
	ISO10GAD-SGER11M-040 +RF N11SGMXR	360	40	-	33	-	39	17	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.10	B	
	ISO10GAD-SGER11M-060 +RF N11SGMXR	360	60	-	53	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.20	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	ISO10GAAD-SGER11M-030 +RF N11SGMXR	360	30	-	23	-	39	-	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.10	B	
	ISO10GAAD-SGER11M-040 +RF N11SGMXR	360	40	-	33	-	39	17	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.10	B	
	ISO10GAAD-SGER11M-060 +RF N11SGMXR	360	60	-	53	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.20	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	ISO20GBJAD-SGER11M-040 +RF N11SGMXR	360	40	-	32	-	39	17	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.10	B	
	ISO20GBJAD-SGER11M-060 +RF N11SGMXR	360	60	-	52	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.30	B	
	ISO20GBJAD-SGER16M-040 +RF N16SGMXR	360	40	-	32	-	46	25	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.20	B	
	ISO20GBJAD-SGER16M-060 +RF N16SGMXR	360	60	-	52	-	46	27	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.40	B	
	ISO20GBJAD-SGER20M-040 +RF N20SGMXR	360	40	-	32	-	51	29	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.30	B	
	ISO20GBJAD-SGER20M-060 +RF N20SGMXR	360	60	-	52	-	51	31	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.50	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	ISO25GBJAD-SGER11M-040 +RF N11SGMXR	360	40	-	31	-	39	17	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.10	B	
	ISO25GBJAD-SGER11M-060 +RF N11SGMXR	360	60	-	51	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.30	B	
	ISO25GBJAD-SGER16M-040 +RF N16SGMXR	360	40	-	31	-	46	25	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.20	B	
	ISO25GBJAD-SGER16M-060 +RF N16SGMXR	360	60	-	51	-	46	27	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.40	B	
	ISO25GBJAD-SGER20M-040 +RF N20SGMXR	360	40	-	31	-	51	29	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.30	B	
	ISO25GBJAD-SGER20M-060 +RF N20SGMXR	360	60	-	51	-	51	31	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.50	B	
	ISO25GBJAD-SGER25M-040 +RF N25SGMXR	360	40	-	31	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	0.50	B	
	ISO25GBJAD-SGER25M-060 +RF N25SGMXR	360	60	-	51	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	0.70	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	ISO30GAD-SGER11M-060 +RF N11SGMXR	360	60	-	41	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	B	
	ISO30GAD-SGER16M-060 +RF N16SGMXR	360	60	-	41	-	46	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.50	B	
	ISO30GAD-SGER20M-060 +RF N20SGMXR	360	60	-	41	-	51	30	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.60	B	
	ISO30GAD-SGER25M-060 +RF N25SGMXR	360	60	-	41	-	53	38	36	RY0360	0.5~16.0	ER25	M18*P1.5	0.80	B	
	ISO30GAD-SGER32M-060 +RF N32SGMXR	360	60	-	41	-	53	-	44	RY0440	2.0~20.0	ER32	M18*P1.5	1.00	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // BTS

supERgrip SGER & ER // BTS

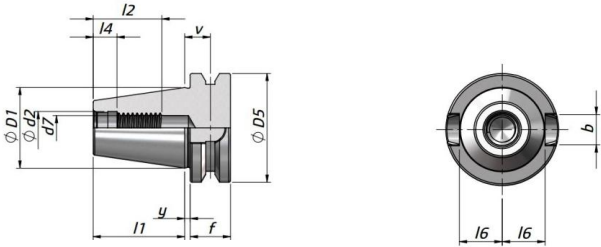
BTS is the norm of 7/24 small taper from Japan,
xxTAD is coolant through center.

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



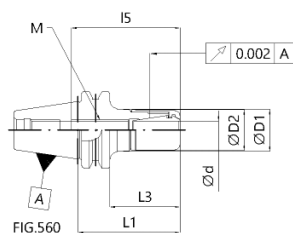
圓錐角度公差 // TAPER ANGLE TOLERANCE			
TAPER	#05 TAPER	#10 TAPER	#15 TAPER
AT1 (mm)	+0.0003/+0.0005	+0.0004/+0.0006	+0.0004/+0.0007
AT2 (mm)	+0.0005/+0.0007	+0.0006/+0.0009	+0.0007/+0.0011
AT3 (mm)	+0.0007/+0.0012	+0.0009/+0.0015	+0.0011/+0.0018
TAPER	#20 TAPER	#25 TAPER	#30 TAPER
AT1 (mm)	+0.0005/+0.0009	+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

supERgrip SGER & ER // BTS-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
 supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	15TAD-SGER11M-040 +RF N11SGMXR	560	40	-	27	-	39	17	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.10	B	
	15TAD-SGER11M-060 +RF N11SGMXR	560	60	-	47	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.20	B	
	15TAD-SGER16M-040 +RF N16SGMXR	560	40	-	27	-	46	25	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.20	B	
	15TAD-SGER16M-060 +RF N16SGMXR	560	60	-	47	-	46	27	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.40	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S20TAD-SGER11M-040 +RF N11SGMXR	560	40	-	27	-	39	17	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.10	B	
	S20TAD-SGER11M-060 +RF N11SGMXR	560	60	-	47	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.30	B	
	S20TAD-SGER16M-040 +RF N16SGMXR	560	40	-	27	-	46	25	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.20	B	
	S20TAD-SGER16M-060 +RF N16SGMXR	560	60	-	47	-	46	27	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.40	B	
	S20TAD-SGER20M-040 +RF N20SGMXR	560	40	-	27	-	51	29	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.30	B	
	S20TAD-SGER20M-060 +RF N20SGMXR	560	60	-	47	-	51	31	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.50	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	25TAD-SGER11M-040 +RF N11SGMXR	360	40	-	25	-	39	17	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.10	B	
	25TAD-SGER11M-060 +RF N11SGMXR	360	60	-	45	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.30	B	
	25TAD-SGER16M-040 +RF N16SGMXR	360	40	-	25	-	46	25	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.20	B	
	25TAD-SGER16M-060 +RF N16SGMXR	360	60	-	45	-	46	27	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.40	B	
	25TAD-SGER20M-040 +RF N20SGMXR	360	40	-	25	-	51	29	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.30	B	
	25TAD-SGER20M-060 +RF N20SGMXR	360	60	-	45	-	51	31	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.50	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // β-SK

supERgrip SGER & ER // 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

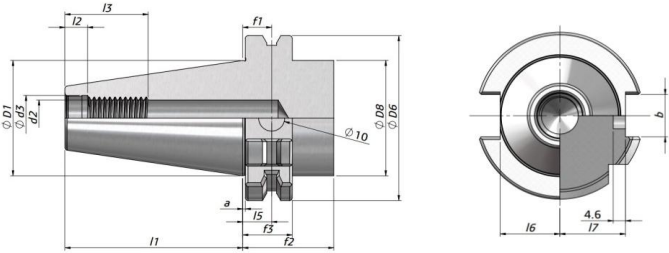
β-SK toolholder with IC chip hole is a standard product from YAMAKEN

- 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

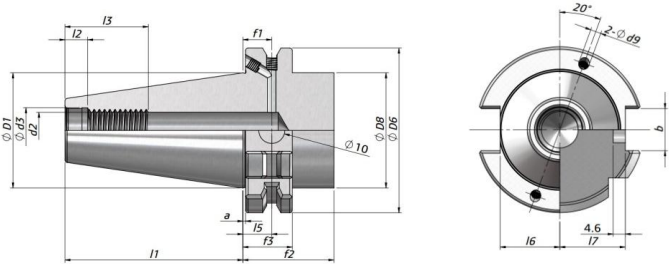
β-SK刀柄上有一個IC晶片孔是山謙的生產標準品

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

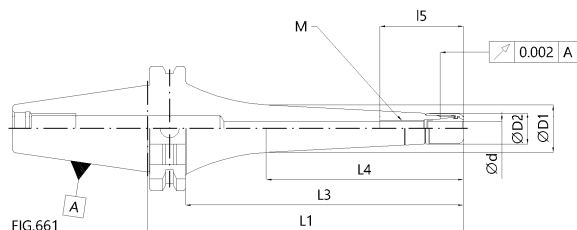
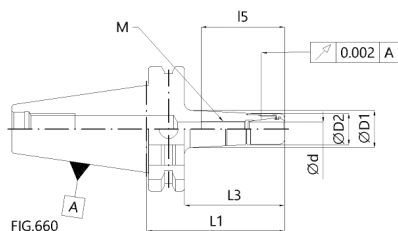
圓錐圓度公差 // TAPER ROUNDNESS TOLERANCE

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

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-SK40AD-SGER11M-070 +RF N11SGMXR	660	70	-	51	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
	RF β-SK40AD-SGER11M-100 +RF N11SGMXR	660	100	-	81	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	B	
	RF β-SK40AD-SGER11M-120 +RF N11SGMXR	660	120	-	101	-	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.30	B	
	RF β-SK40AD-SGER11M-160 +RF N11SGMXR	661	160	-	141	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.70	B	
	RF β-SK40AD-SGER11M-200 +RF N11SGMXR	661	200	-	181	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.10	B	
	RF β-SK40AD-SGER16M-070 +RF N16SGMXR	660	70	-	51	-	46	27	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
	RF β-SK40AD-SGER16M-100 +RF N16SGMXR	660	100	-	81	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	B	
	RF β-SK40AD-SGER16M-120 +RF N16SGMXR	660	120	-	101	-	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.40	B	
	RF β-SK40AD-SGER16M-160 +RF N16SGMXR	661	160	-	141	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.80	B	
	RF β-SK40AD-SGER16M-200 +RF N16SGMXR	661	200	-	181	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.20	B	
	RF β-SK40AD-SGER20M-070 +RF N20SGMXR	660	70	-	51	-	51	31	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
	RF β-SK40AD-SGER20M-100 +RF N20SGMXR	660	100	-	81	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	B	
	RF β-SK40AD-SGER20M-120 +RF N20SGMXR	660	120	-	101	-	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.50	B	
	RF β-SK40AD-SGER20M-160 +RF N20SGMXR	661	160	-	141	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.90	B	
	RF β-SK40AD-SGER20M-200 +RF N20SGMXR	661	200	-	181	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.30	B	
	RF β-SK40AD-SGER25M-070 +RF N25SGMXR	660	70	-	51	-	53	39	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
	RF β-SK40AD-SGER25M-100 +RF N25SGMXR	660	100	-	81	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	B	
	RF β-SK40AD-SGER25M-120 +RF N25SGMXR	660	120	-	101	-	53	44	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.70	B	
	RF β-SK40AD-SGER25M-160 +RF N25SGMXR	660	160	-	141	-	53	48	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.10	B	
	RF β-SK40AD-SGER25M-200 +RF N25SGMXR	660	200	-	181	-	53	50	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.50	B	
	RF β-SK40AD-SGER32M-070 +RF N32SGMXR	660	70	-	51	-	57	47	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	
	RF β-SK40AD-SGER32M-100 +RF N32SGMXR	660	100	-	81	-	57	50	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	B	
	RF β-SK40AD-SGER32M-120 +RF N32SGMXR	660	120	-	101	-	57	50	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.90	B	
	RF β-SK40AD-SGER32M-160 +RF N32SGMXR	660	160	-	141	-	57	50	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.30	B	
	RF β-SK40AD-SGER32M-200 +RF N32SGMXR	660	200	-	181	-	57	50	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.70	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // RF β-SK-SGER+RF NSGMXR

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

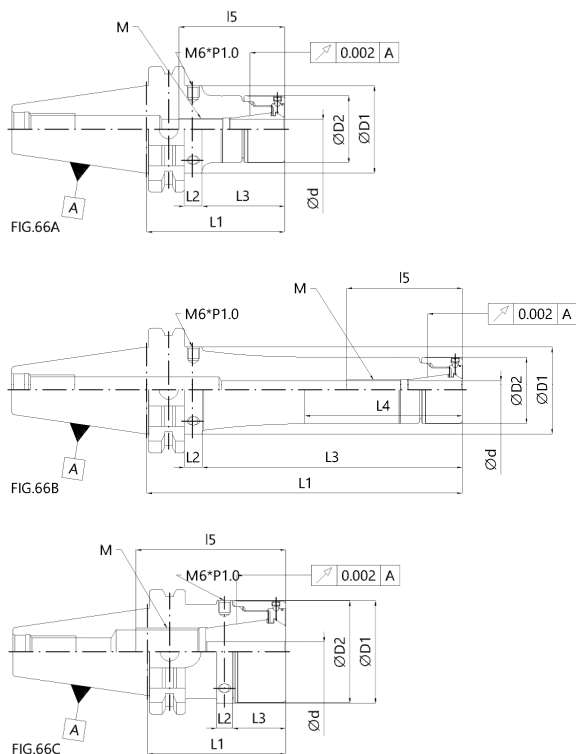
動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-SK50AD-SGER11M-080 +RF N11SGMXR	660	80	-	61	-	39	20	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.50	C	
	RF β-SK50AD-SGER11M-100 +RF N11SGMXR	660	100	-	81	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.70	C	
	RF β-SK50AD-SGER11M-120 +RF N11SGMXR	660	120	-	101	-	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.90	C	
	RF β-SK50AD-SGER11M-160 +RF N11SGMXR	661	160	-	141	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	3.30	C	
	RF β-SK50AD-SGER11M-200 +RF N11SGMXR	661	200	-	181	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	3.70	C	
	RF β-SK50AD-SGER16M-080 +RF N16SGMXR	660	80	-	61	-	46	28	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.60	C	
	RF β-SK50AD-SGER16M-100 +RF N16SGMXR	660	100	-	81	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.80	C	
	RF β-SK50AD-SGER16M-120 +RF N16SGMXR	660	120	-	101	-	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	3.00	C	
	RF β-SK50AD-SGER16M-160 +RF N16SGMXR	661	160	-	141	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	3.40	C	
	RF β-SK50AD-SGER16M-200 +RF N16SGMXR	661	200	-	181	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	3.80	C	
	RF β-SK50AD-SGER20M-080 +RF N20SGMXR	660	80	-	61	-	51	32	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.70	C	
	RF β-SK50AD-SGER20M-100 +RF N20SGMXR	660	100	-	81	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.90	C	
	RF β-SK50AD-SGER20M-120 +RF N20SGMXR	660	120	-	101	-	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	3.10	C	
	RF β-SK50AD-SGER20M-160 +RF N20SGMXR	661	160	-	141	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	3.50	C	
	RF β-SK50AD-SGER20M-200 +RF N20SGMXR	661	200	-	181	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	3.90	C	
	RF β-SK50AD-SGER25M-080 +RF N25SGMXR	660	80	-	61	-	53	40	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.90	C	
	RF β-SK50AD-SGER25M-100 +RF N25SGMXR	660	100	-	81	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	3.10	C	
	RF β-SK50AD-SGER25M-120 +RF N25SGMXR	660	120	-	101	-	53	44	36	RY0360	0.5~16.0	ER25	M18*P1.5	3.30	C	
	RF β-SK50AD-SGER25M-160 +RF N25SGMXR	660	160	-	141	-	53	48	36	RY0360	0.5~16.0	ER25	M18*P1.5	3.70	C	
	RF β-SK50AD-SGER25M-200 +RF N25SGMXR	660	200	-	181	-	53	52	36	RY0360	0.5~16.0	ER25	M18*P1.5	4.10	C	
	RF β-SK50AD-SGER32M-080 +RF N32SGMXR	660	80	-	61	-	57	44	44	RY0440	2.0~20.0	ER32	M28*P1.5	3.10	C	
	RF β-SK50AD-SGER32M-100 +RF N32SGMXR	660	100	-	81	-	57	50	44	RY0440	2.0~20.0	ER32	M28*P1.5	3.30	C	
	RF β-SK50AD-SGER32M-120 +RF N32SGMXR	660	120	-	101	-	57	52	44	RY0440	2.0~20.0	ER32	M28*P1.5	3.50	C	
	RF β-SK50AD-SGER32M-160 +RF N32SGMXR	660	160	-	141	-	57	56	44	RY0440	2.0~20.0	ER32	M28*P1.5	3.90	C	
	RF β-SK50AD-SGER32M-200 +RF N32SGMXR	660	200	-	181	-	57	60	44	RY0440	2.0~20.0	ER32	M28*P1.5	4.30	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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-SK40AD-SGER16-070 +RF N16SGXR nano	66A	70	9	42	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
	RF β-SK40AD-SGER16-100 +RF N16SGXR nano	66A	100	9	72	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF β-SK40AD-SGER16-120 +RF N16SGXR nano	66B	120	9	92	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.50	B	
	RF β-SK40AD-SGER16-160 +RF N16SGXR nano	66B	160	9	132	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.90	B	
	RF β-SK40AD-SGER16-200 +RF N16SGXR nano	66B	200	9	172	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.30	B	
	RF β-SK40AD-SGER20-070 +RF N20SGXR nano	66A	70	9	42	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
	RF β-SK40AD-SGER20-100 +RF N20SGXR nano	66A	100	9	72	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF β-SK40AD-SGER20-120 +RF N20SGXR nano	66B	120	9	92	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.60	B	
	RF β-SK40AD-SGER20-160 +RF N20SGXR nano	66B	160	9	132	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.00	B	
	RF β-SK40AD-SGER20-200 +RF N20SGXR nano	66B	200	9	172	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.40	B	
	RF β-SK40AD-SGER25-070 +RF N25SGXR nano	66A	70	9	42	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
	RF β-SK40AD-SGER25-100 +RF N25SGXR nano	66A	100	9	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF β-SK40AD-SGER25-120 +RF N25SGXR nano	66A	120	9	92	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.80	B	
	RF β-SK40AD-SGER25-160 +RF N25SGXR nano	66A	160	9	132	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.20	B	
	RF β-SK40AD-SGER25-200 +RF N25SGXR nano	66A	200	9	172	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.60	B	
	RF β-SK40AD-SGER32-070 +RF N32SGXR nano	66C	70	8	43	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
	RF β-SK40AD-SGER32-100 +RF N32SGXR nano	66C	100	8	73	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF β-SK40AD-SGER32-120 +RF N32SGXR nano	66C	120	8	93	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.00	B	
	RF β-SK40AD-SGER32-160 +RF N32SGXR nano	66C	160	8	133	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.40	B	
	RF β-SK40AD-SGER32-200 +RF N32SGXR nano	66C	200	8	173	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.80	B	
	RF β-SK40AD-SGER40-080 +RF N40SGXR nano	66C	80	8	43	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.00	B	
	RF β-SK40AD-SGER40-100 +RF N40SGXR nano	66C	100	8	73	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF β-SK40AD-SGER40-120 +RF N40SGXR nano	66C	120	8	93	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.60	B	
	RF β-SK40AD-SGER40-160 +RF N40SGXR nano	66C	160	8	133	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.20	B	
	RF β-SK40AD-SGER40-200 +RF N40SGXR nano	66C	200	8	173	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.80	B	

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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

supERgrip SGER & ER // RF β-SK-SGER+RF NSGXR nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

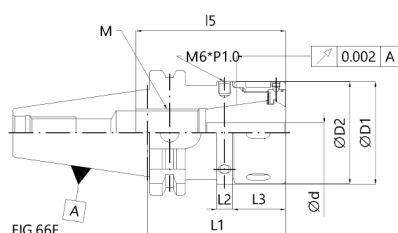
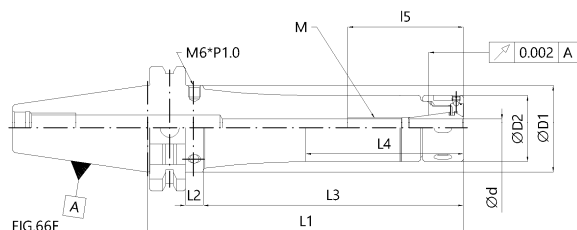
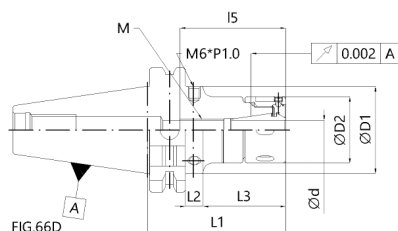
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-SK50AD-SGER16-080 +RF N16SGXR nano	66A	80	9	52	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.70	C	
	RF β-SK50AD-SGER16-100 +RF N16SGXR nano	66A	100	9	72	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.90	C	
	RF β-SK50AD-SGER16-120 +RF N16SGXR nano	66B	120	9	92	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.10	C	
	RF β-SK50AD-SGER16-160 +RF N16SGXR nano	66B	160	9	132	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.50	C	
	RF β-SK50AD-SGER16-200 +RF N16SGXR nano	66B	200	9	172	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
	RF β-SK50AD-SGER20-080 +RF N20SGXR nano	66A	80	9	52	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.80	C	
	RF β-SK50AD-SGER20-100 +RF N20SGXR nano	66A	100	9	72	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.00	C	
	RF β-SK50AD-SGER20-120 +RF N20SGXR nano	66B	120	9	92	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.20	C	
	RF β-SK50AD-SGER20-160 +RF N20SGXR nano	66B	160	9	132	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.60	C	
	RF β-SK50AD-SGER20-200 +RF N20SGXR nano	66B	200	9	172	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
	RF β-SK50AD-SGER25-080 +RF N25SGXR nano	66A	80	9	52	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.00	C	
	RF β-SK50AD-SGER25-100 +RF N25SGXR nano	66A	100	9	72	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.20	C	
	RF β-SK50AD-SGER25-120 +RF N25SGXR nano	66B	120	9	92	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.40	C	
	RF β-SK50AD-SGER25-160 +RF N25SGXR nano	66B	160	9	132	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.80	C	
	RF β-SK50AD-SGER25-200 +RF N25SGXR nano	06B	200	9	172	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
	RF β-SK50AD-SGER32-080 +RF N32SGXR nano	66A	80	9	52	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.20	C	
	RF β-SK50AD-SGER32-100 +RF N32SGXR nano	66A	100	9	72	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.40	C	
	RF β-SK50AD-SGER32-120 +RF N32SGXR nano	66B	120	9	92	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.60	C	
	RF β-SK50AD-SGER32-160 +RF N32SGXR nano	66B	160	9	132	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.00	C	
	RF β-SK50AD-SGER32-200 +RF N32SGXR nano	66B	200	9	172	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
	RF β-SK50AD-SGER40-080 +RF N40SGXR nano	66A	80	9	52	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
	RF β-SK50AD-SGER40-100 +RF N40SGXR nano	66A	100	9	72	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	C	
	RF β-SK50AD-SGER40-120 +RF N40SGXR nano	66A	120	9	92	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.20	C	
	RF β-SK50AD-SGER40-160 +RF N40SGXR nano	66A	160	9	132	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.80	C	
	RF β-SK50AD-SGER40-200 +RF N40SGXR nano	66A	200	9	172	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.40	C	

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RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-SK40AD-SGER16-070 +RF N16SGX nano	66D	70	9	42	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
	RF β-SK40AD-SGER16-100 +RF N16SGX nano	66D	100	9	72	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF β-SK40AD-SGER16-120 +RF N16SGX nano	66E	120	9	92	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.50	B	
	RF β-SK40AD-SGER16-160 +RF N16SGX nano	66E	160	9	132	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.90	B	
	RF β-SK40AD-SGER16-200 +RF N16SGX nano	66E	200	9	172	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.30	B	
	RF β-SK40AD-SGER20-070 +RF N20SGX nano	66D	70	9	42	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
	RF β-SK40AD-SGER20-100 +RF N20SGX nano	66D	100	9	72	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF β-SK40AD-SGER20-120 +RF N20SGX nano	66E	120	9	92	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.60	B	
	RF β-SK40AD-SGER20-160 +RF N20SGX nano	66E	160	9	132	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.00	B	
	RF β-SK40AD-SGER20-200 +RF N20SGX nano	66E	200	9	172	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.40	B	
	RF β-SK40AD-SGER25-070 +RF N25SGX nano	66D	70	9	42	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
	RF β-SK40AD-SGER25-100 +RF N25SGX nano	66D	100	9	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF β-SK40AD-SGER25-120 +RF N25SGX nano	66D	120	9	92	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.80	B	
	RF β-SK40AD-SGER25-160 +RF N25SGX nano	66D	160	9	132	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.20	B	
	RF β-SK40AD-SGER25-200 +RF N25SGX nano	66D	200	9	172	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.60	B	
	RF β-SK40AD-SGER32-070 +RF N32SGX nano	66F	70	8	43	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
	RF β-SK40AD-SGER32-100 +RF N32SGX nano	66F	100	8	73	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF β-SK40AD-SGER32-120 +RF N32SGX nano	66F	120	8	93	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.00	B	
	RF β-SK40AD-SGER32-160 +RF N32SGX nano	66F	160	8	133	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.40	B	
	RF β-SK40AD-SGER32-200 +RF N32SGX nano	66F	200	8	173	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.80	B	
	RF β-SK40AD-SGER40-080 +RF N40SGX nano	66F	80	8	43	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.00	B	
	RF β-SK40AD-SGER40-100 +RF N40SGX nano	66F	100	8	73	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF β-SK40AD-SGER40-120 +RF N40SGX nano	66F	120	8	93	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.60	B	
	RF β-SK40AD-SGER40-160 +RF N40SGX nano	66F	160	8	133	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.20	B	
	RF β-SK40AD-SGER40-200 +RF N40SGX nano	66F	200	8	173	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.80	B	

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supERgrip SGER & ER // RF β-SK-SGER+RF NSGX nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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

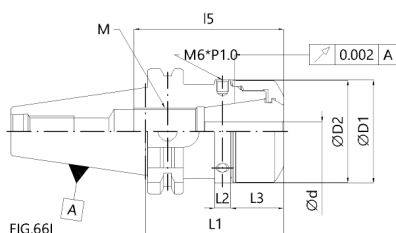
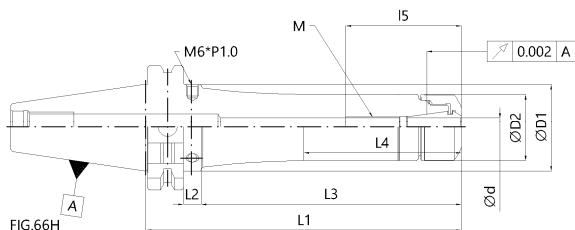
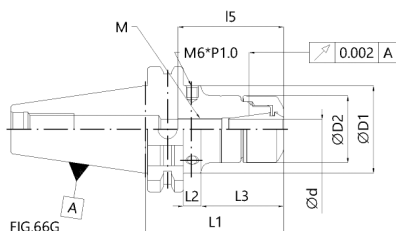
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-SK50AD-SGER16-080 +RF N16SGX nano	66D	80	9	52	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.70	C	
	RF β-SK50AD-SGER16-100 +RF N16SGX nano	66D	100	9	72	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.90	C	
	RF β-SK50AD-SGER16-120 +RF N16SGX nano	66E	120	9	92	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.10	C	
	RF β-SK50AD-SGER16-160 +RF N16SGX nano	66E	160	9	132	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.50	C	
	RF β-SK50AD-SGER16-200 +RF N16SGX nano	66E	200	9	172	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
	RF β-SK50AD-SGER20-080 +RF N20SGX nano	66D	80	9	52	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.80	C	
	RF β-SK50AD-SGER20-100 +RF N20SGX nano	66D	100	9	72	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.00	C	
	RF β-SK50AD-SGER20-120 +RF N20SGX nano	66E	120	9	92	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.20	C	
	RF β-SK50AD-SGER20-160 +RF N20SGX nano	66E	160	9	132	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.60	C	
	RF β-SK50AD-SGER20-200 +RF N20SGX nano	66E	200	9	172	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
	RF β-SK50AD-SGER25-080 +RF N25SGX nano	66D	80	9	52	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.00	C	
	RF β-SK50AD-SGER25-100 +RF N25SGX nano	66D	100	9	72	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.20	C	
	RF β-SK50AD-SGER25-120 +RF N25SGX nano	66E	120	9	92	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.40	C	
	RF β-SK50AD-SGER25-160 +RF N25SGX nano	66E	160	9	132	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.80	C	
	RF β-SK50AD-SGER25-200 +RF N25SGX nano	66E	200	9	172	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
	RF β-SK50AD-SGER32-080 +RF N32SGX nano	66D	80	9	52	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.20	C	
	RF β-SK50AD-SGER32-100 +RF N32SGX nano	66D	100	9	72	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.40	C	
	RF β-SK50AD-SGER32-120 +RF N32SGX nano	66E	120	9	92	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.60	C	
	RF β-SK50AD-SGER32-160 +RF N32SGX nano	66E	160	9	132	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.00	C	
	RF β-SK50AD-SGER32-200 +RF N32SGX nano	66E	200	9	172	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
	RF β-SK50AD-SGER40-080 +RF N40SGX nano	66D	80	9	52	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
	RF β-SK50AD-SGER40-100 +RF N40SGX nano	66D	100	9	72	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	C	
	RF β-SK50AD-SGER40-120 +RF N40SGX nano	66D	120	9	92	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.20	C	
	RF β-SK50AD-SGER40-160 +RF N40SGX nano	66D	160	9	132	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.80	C	
	RF β-SK50AD-SGER40-200 +RF N40SGX nano	66D	200	9	172	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.40	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-SK40AD-SGER16-070 +RF N16SGSXR	66G	70	9	42	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
	RF β-SK40AD-SGER16-100 +RF N16SGSXR	66G	100	9	72	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF β-SK40AD-SGER16-120 +RF N16SGSXR	66H	120	9	92	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.50	B	
	RF β-SK40AD-SGER16-160 +RF N16SGSXR	66H	160	9	132	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.90	B	
	RF β-SK40AD-SGER16-200 +RF N16SGSXR	66H	200	9	172	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.30	B	
	RF β-SK40AD-SGER20-070 +RF N20SGSXR	66G	70	9	42	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
	RF β-SK40AD-SGER20-100 +RF N20SGSXR	66G	100	9	72	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF β-SK40AD-SGER20-120 +RF N20SGSXR	66H	120	9	92	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.60	B	
	RF β-SK40AD-SGER20-160 +RF N20SGSXR	66H	160	9	132	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.00	B	
	RF β-SK40AD-SGER20-200 +RF N20SGSXR	66H	200	9	172	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.40	B	
	RF β-SK40AD-SGER25-070 +RF N25SGSXR	66G	70	9	42	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
	RF β-SK40AD-SGER25-100 +RF N25SGSXR	66G	100	9	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF β-SK40AD-SGER25-120 +RF N25SGSXR	66G	120	9	92	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.80	B	
	RF β-SK40AD-SGER25-160 +RF N25SGSXR	66G	160	9	132	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.20	B	
	RF β-SK40AD-SGER25-200 +RF N25SGSXR	66G	200	9	172	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.60	B	
	RF β-SK40AD-SGER32-070 +RF N32SGSXR	66I	70	8	43	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
	RF β-SK40AD-SGER32-100 +RF N32SGSXR	66I	100	8	73	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF β-SK40AD-SGER32-120 +RF N32SGSXR	66I	120	8	93	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.00	B	
	RF β-SK40AD-SGER32-160 +RF N32SGSXR	66I	160	8	133	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.40	B	
	RF β-SK40AD-SGER32-200 +RF N32SGSXR	66I	200	8	173	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.80	B	
	RF β-SK40AD-SGER40-080 +RF N40SGSXR	66I	80	8	43	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.00	B	
	RF β-SK40AD-SGER40-100 +RF N40SGSXR	66I	100	8	73	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF β-SK40AD-SGER40-120 +RF N40SGSXR	66I	120	8	93	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.60	B	
	RF β-SK40AD-SGER40-160 +RF N40SGSXR	66I	160	8	133	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.20	B	
	RF β-SK40AD-SGER40-200 +RF N40SGSXR	66I	200	8	173	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.80	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // RF β-SK-SGER+RF NSGSXR

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-SK50AD-SGER16-080 +RF N16SGSXR	66G	80	9	52	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.70	C	
	RF β-SK50AD-SGER16-100 +RF N16SGSXR	66G	100	9	72	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.90	C	
	RF β-SK50AD-SGER16-120 +RF N16SGSXR	66H	120	9	92	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.10	C	
	RF β-SK50AD-SGER16-160 +RF N16SGSXR	66H	160	9	132	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.50	C	
	RF β-SK50AD-SGER16-200 +RF N16SGSXR	66H	200	9	172	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
	RF β-SK50AD-SGER20-080 +RF N20SGSXR	66G	80	9	52	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.80	C	
	RF β-SK50AD-SGER20-100 +RF N20SGSXR	66G	100	9	72	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.00	C	
	RF β-SK50AD-SGER20-120 +RF N20SGSXR	66H	120	9	92	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.20	C	
	RF β-SK50AD-SGER20-160 +RF N20SGSXR	66H	160	9	132	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.60	C	
	RF β-SK50AD-SGER20-200 +RF N20SGSXR	66H	200	9	172	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
	RF β-SK50AD-SGER25-080 +RF N25SGSXR	66G	80	9	52	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.00	C	
	RF β-SK50AD-SGER25-100 +RF N25SGSXR	66G	100	9	72	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.20	C	
	RF β-SK50AD-SGER25-120 +RF N25SGSXR	66H	120	9	92	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.40	C	
	RF β-SK50AD-SGER25-160 +RF N25SGSXR	66H	160	9	132	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.80	C	
	RF β-SK50AD-SGER25-200 +RF N25SGSXR	66H	200	9	172	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
	RF β-SK50AD-SGER32-080 +RF N32SGSXR	66G	80	9	52	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.20	C	
	RF β-SK50AD-SGER32-100 +RF N32SGSXR	66G	100	9	72	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.40	C	
	RF β-SK50AD-SGER32-120 +RF N32SGSXR	66H	120	9	92	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.60	C	
	RF β-SK50AD-SGER32-160 +RF N32SGSXR	66H	160	9	132	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.00	C	
	RF β-SK50AD-SGER32-200 +RF N32SGSXR	66H	200	9	172	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
	RF β-SK50AD-SGER40-080 +RF N40SGSXR	66G	80	9	52	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
	RF β-SK50AD-SGER40-100 +RF N40SGSXR	66G	100	9	72	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	C	
	RF β-SK50AD-SGER40-120 +RF N40SGSXR	66G	120	9	92	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.20	C	
	RF β-SK50AD-SGER40-160 +RF N40SGSXR	66G	160	9	132	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.80	C	
	RF β-SK50AD-SGER40-200 +RF N40SGSXR	66G	200	9	172	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.40	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

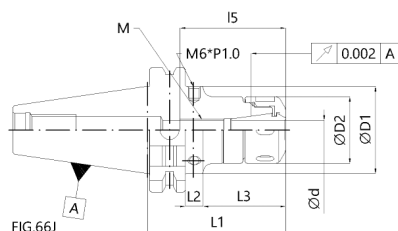


FIG.66J

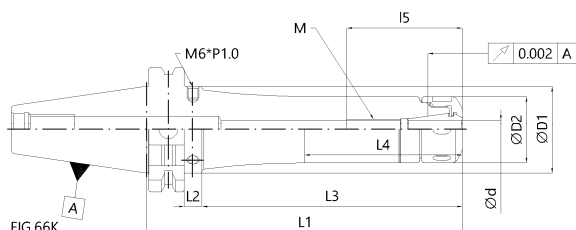


FIG.66K

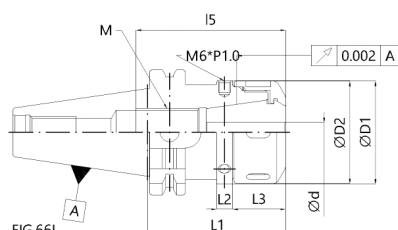


FIG.66L



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-SK40AD-SGER16-070 +RF N16SGSX	66J	70	9	42	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
	RF β-SK40AD-SGER16-100 +RF N16SGSX	66J	100	9	72	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF β-SK40AD-SGER16-120 +RF N16SGSX	66K	120	9	92	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.50	B	
	RF β-SK40AD-SGER16-160 +RF N16SGSX	66K	160	9	132	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.90	B	
	RF β-SK40AD-SGER16-200 +RF N16SGSX	66K	200	9	172	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.30	B	
	RF β-SK40AD-SGER20-070 +RF N20SGSX	66J	70	9	42	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
	RF β-SK40AD-SGER20-100 +RF N20SGSX	66J	100	9	72	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF β-SK40AD-SGER20-120 +RF N20SGSX	66K	120	9	92	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.60	B	
	RF β-SK40AD-SGER20-160 +RF N20SGSX	66K	160	9	132	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.00	B	
	RF β-SK40AD-SGER20-200 +RF N20SGSX	66K	200	9	172	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.40	B	
	RF β-SK40AD-SGER25-070 +RF N25SGSX	66J	70	9	42	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
	RF β-SK40AD-SGER25-100 +RF N25SGSX	66J	100	9	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF β-SK40AD-SGER25-120 +RF N25SGSX	66J	120	9	92	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.80	B	
	RF β-SK40AD-SGER25-160 +RF N25SGSX	66J	160	9	132	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.20	B	
	RF β-SK40AD-SGER25-200 +RF N25SGSX	66J	200	9	172	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.60	B	
	RF β-SK40AD-SGER32-070 +RF N32SGSX	66L	70	8	43	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
	RF β-SK40AD-SGER32-100 +RF N32SGSX	66L	100	8	73	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF β-SK40AD-SGER32-120 +RF N32SGSX	66L	120	8	93	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.00	B	
	RF β-SK40AD-SGER32-160 +RF N32SGSX	66L	160	8	133	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.40	B	
	RF β-SK40AD-SGER32-200 +RF N32SGSX	66L	200	8	173	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.80	B	
	RF β-SK40AD-SGER40-080 +RF N40SGSX	66L	80	8	43	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.00	B	
	RF β-SK40AD-SGER40-100 +RF N40SGSX	66L	100	8	73	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF β-SK40AD-SGER40-120 +RF N40SGSX	66L	120	8	93	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.60	B	
	RF β-SK40AD-SGER40-160 +RF N40SGSX	66L	160	8	133	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.20	B	
	RF β-SK40AD-SGER40-200 +RF N40SGSX	66L	200	8	173	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.80	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // RF β-SK-SGER+RF NSGSX

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡鋼珠螺帽NSGSX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-SK50AD-SGER16-080 +RF N16SGSX	66J	80	9	52	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.70	C	
	RF β-SK50AD-SGER16-100 +RF N16SGSX	66J	100	9	72	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.90	C	
	RF β-SK50AD-SGER16-120 +RF N16SGSX	66K	120	9	92	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.10	C	
	RF β-SK50AD-SGER16-160 +RF N16SGSX	66K	160	9	132	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.50	C	
	RF β-SK50AD-SGER16-200 +RF N16SGSX	66K	200	9	172	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
	RF β-SK50AD-SGER20-080 +RF N20SGSX	66J	80	9	52	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.80	C	
	RF β-SK50AD-SGER20-100 +RF N20SGSX	66J	100	9	72	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.00	C	
	RF β-SK50AD-SGER20-120 +RF N20SGSX	66K	120	9	92	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.20	C	
	RF β-SK50AD-SGER20-160 +RF N20SGSX	66K	160	9	132	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.60	C	
	RF β-SK50AD-SGER20-200 +RF N20SGSX	66K	200	9	172	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
	RF β-SK50AD-SGER25-080 +RF N25SGSX	66J	80	9	52	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.00	C	
	RF β-SK50AD-SGER25-100 +RF N25SGSX	66J	100	9	72	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.20	C	
	RF β-SK50AD-SGER25-120 +RF N25SGSX	66K	120	9	92	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.40	C	
	RF β-SK50AD-SGER25-160 +RF N25SGSX	66K	160	9	132	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.80	C	
	RF β-SK50AD-SGER25-200 +RF N25SGSX	66K	200	9	172	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
	RF β-SK50AD-SGER32-080 +RF N32SGSX	66J	80	9	52	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.20	C	
	RF β-SK50AD-SGER32-100 +RF N32SGSX	66J	100	9	72	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.40	C	
	RF β-SK50AD-SGER32-120 +RF N32SGSX	66K	120	9	92	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.60	C	
	RF β-SK50AD-SGER32-160 +RF N32SGSX	66K	160	9	132	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.00	C	
	RF β-SK50AD-SGER32-200 +RF N32SGSX	66K	200	9	172	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
	RF β-SK50AD-SGER40-080 +RF N40SGSX	66J	80	9	52	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
	RF β-SK50AD-SGER40-100 +RF N40SGSX	66J	100	9	72	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	C	
	RF β-SK50AD-SGER40-120 +RF N40SGSX	66J	120	9	92	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.20	C	
	RF β-SK50AD-SGER40-160 +RF N40SGSX	66J	160	9	132	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.80	C	
	RF β-SK50AD-SGER40-200 +RF N40SGSX	66J	200	9	172	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.40	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // SK

supERgrip SGER & ER // 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

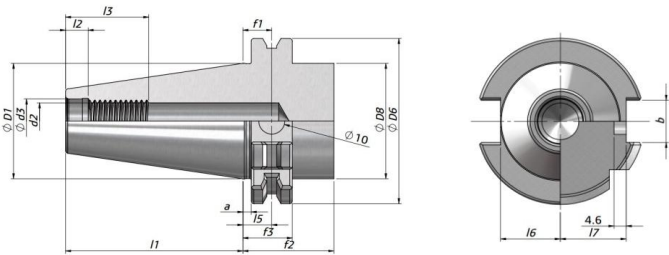
SK是德國規範DIN69871 7/24圓錐的代號
JT是中國選用ISO7388-1:1983當成國家規範
2007年ISO7388-1:2007是7/24 SK(JT)外圓錐新規範
SK**(JT**)刀柄命名為ISO**A
SK**AD(JT**AD)刀柄內帶中心貫穿冷卻孔命名為ISO**AD
SK**B(JT**B)刀柄法蘭端面帶冷卻孔命名為ISO**AF
SK**AD/B(JT**AD/B)刀柄將兩種內冷卻方式整合命名為ISO**AD/F

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

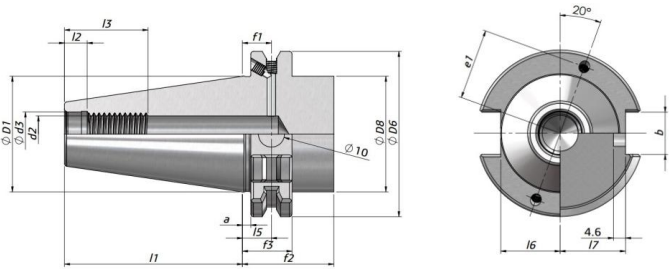
SK刀柄上有一IC晶片孔是山謙的生產標準品

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

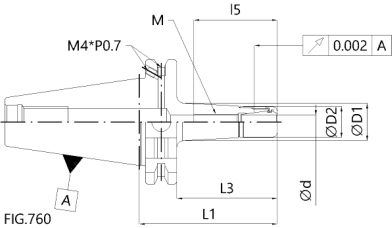
AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準

supERgrip SGER & ER // SK-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

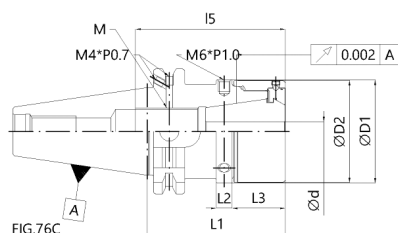
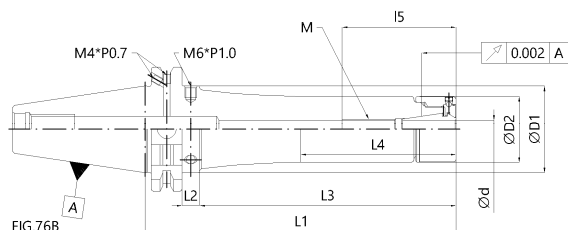
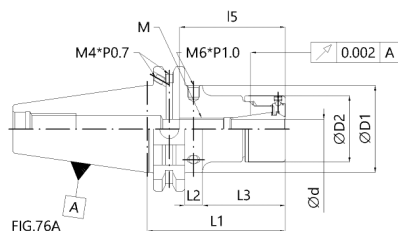
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SK40AD/B-SGER11M-070 +RF N11SGMXR	760	70	-	51	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
◎	SK40AD/B-SGER11M-100 +RF N11SGMXR	760	100	-	81	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	B	
○	SK40AD/B-SGER11M-120 +RF N11SGMXR	760	120	-	101	-	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.30	B	
○	SK40AD/B-SGER16M-070 +RF N16SGMXR	760	70	-	51	-	46	27	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
◎	SK40AD/B-SGER16M-100 +RF N16SGMXR	760	100	-	81	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	SK40AD/B-SGER16M-120 +RF N16SGMXR	760	120	-	101	-	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.40	B	
○	SK40AD/B-SGER20M-070 +RF N20SGMXR	760	70	-	51	-	51	31	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
○	SK40AD/B-SGER20M-100 +RF N20SGMXR	760	100	-	81	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	SK40AD/B-SGER20M-120 +RF N20SGMXR	760	120	-	101	-	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.50	B	
○	SK40AD/B-SGER25M-070 +RF N25SGMXR	760	70	-	51	-	53	39	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
○	SK40AD/B-SGER25M-100 +RF N25SGMXR	760	100	-	81	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	SK40AD/B-SGER25M-120 +RF N25SGMXR	760	120	-	101	-	53	44	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.70	B	
○	SK40AD/B-SGER32M-070 +RF N32SGMXR	760	70	-	51	-	57	47	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	
○	SK40AD/B-SGER32M-100 +RF N32SGMXR	760	100	-	81	-	57	50	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	SK40AD/B-SGER32M-120 +RF N32SGMXR	760	120	-	101	-	57	50	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SK50AD/B-SGER11M-080 +RF N11SGMXR	760	80	-	61	-	39	20	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.50	C	
◎	SK50AD/B-SGER11M-100 +RF N11SGMXR	760	100	-	81	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.70	C	
○	SK50AD/B-SGER11M-120 +RF N11SGMXR	760	120	-	101	-	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.90	C	
○	SK50AD/B-SGER16M-080 +RF N16SGMXR	760	80	-	61	-	46	28	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.60	C	
◎	SK50AD/B-SGER16M-100 +RF N16SGMXR	760	100	-	81	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.80	C	
○	SK50AD/B-SGER16M-120 +RF N16SGMXR	760	120	-	101	-	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	3.00	C	
○	SK50AD/B-SGER20M-080 +RF N20SGMXR	760	80	-	61	-	51	32	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.70	C	
○	SK50AD/B-SGER20M-100 +RF N20SGMXR	760	100	-	81	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.90	C	
○	SK50AD/B-SGER20M-120 +RF N20SGMXR	760	120	-	101	-	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	3.10	C	
○	SK50AD/B-SGER25M-080 +RF N25SGMXR	760	80	-	61	-	53	40	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.90	C	
○	SK50AD/B-SGER25M-100 +RF N25SGMXR	760	100	-	81	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	3.10	C	
○	SK50AD/B-SGER25M-120 +RF N25SGMXR	760	120	-	101	-	53	44	36	RY0360	0.5~16.0	ER25	M18*P1.5	3.30	C	
○	SK50AD/B-SGER32M-080 +RF N32SGMXR	760	80	-	61	-	57	48	44	RY0440	2.0~20.0	ER32	M24*P1.5	3.10	C	
○	SK50AD/B-SGER32M-100 +RF N32SGMXR	760	100	-	81	-	57	50	44	RY0440	2.0~20.0	ER32	M24*P1.5	3.30	C	
○	SK50AD/B-SGER32M-120 +RF N32SGMXR	760	120	-	101	-	57	52	44	RY0440	2.0~20.0	ER32	M24*P1.5	3.50	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SK40AD/B-SGER16-070 +RF N16SGXR nano	76A	70	9	42	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	SK40AD/B-SGER16-100 +RF N16SGXR nano	76A	100	9	72	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
○	SK40AD/B-SGER16-120 +RF N16SGXR nano	76B	120	9	92	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.50	B	
	SK40AD/B-SGER16-160 +RF N16SGXR nano	76B	160	9	132	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.90	B	
	SK40AD/B-SGER16-200 +RF N16SGXR nano	76B	200	9	172	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.30	B	
◎	SK40AD/B-SGER20-070 +RF N20SGXR nano	76A	70	9	42	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	SK40AD/B-SGER20-100 +RF N20SGXR nano	76A	100	9	72	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
○	SK40AD/B-SGER20-120 +RF N20SGXR nano	76B	120	9	92	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.60	B	
	SK40AD/B-SGER20-160 +RF N20SGXR nano	76B	160	9	132	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.00	B	
	SK40AD/B-SGER20-200 +RF N20SGXR nano	76B	200	9	172	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.40	B	
◎	SK40AD/B-SGER25-070 +RF N25SGXR nano	76A	70	9	42	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	SK40AD/B-SGER25-100 +RF N25SGXR nano	76A	100	9	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
○	SK40AD/B-SGER25-120 +RF N25SGXR nano	76A	120	9	92	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.80	B	
	SK40AD/B-SGER25-160 +RF N25SGXR nano	76A	160	9	132	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.20	B	
	SK40AD/B-SGER25-200 +RF N25SGXR nano	76A	200	9	172	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.60	B	
◎	SK40AD/B-SGER32-070 +RF N32SGXR nano	76C	70	8	43	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	SK40AD/B-SGER32-100 +RF N32SGXR nano	76C	100	8	73	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
○	SK40AD/B-SGER32-120 +RF N32SGXR nano	76C	120	8	93	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.00	B	
	SK40AD/B-SGER32-160 +RF N32SGXR nano	76C	160	8	133	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.40	B	
	SK40AD/B-SGER32-200 +RF N32SGXR nano	76C	200	8	173	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.80	B	
◎	SK40AD/B-SGER40-080 +RF N40SGXR nano	76C	80	8	43	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	SK40AD/B-SGER40-100 +RF N40SGXR nano	76C	100	8	73	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	SK40AD/B-SGER40-120 +RF N40SGXR nano	76C	120	8	93	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.60	B	
	SK40AD/B-SGER40-160 +RF N40SGXR nano	76C	160	8	133	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.20	B	
	SK40AD/B-SGER40-200 +RF N40SGXR nano	76C	200	8	173	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.80	B	

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supERgrip SGER & ER // SK-SGER+RF NSGXR nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

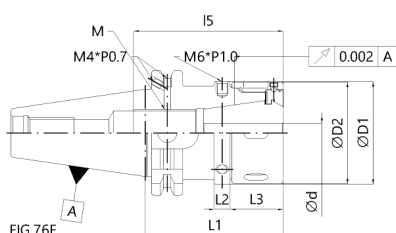
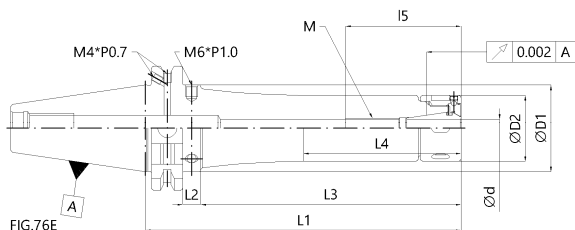
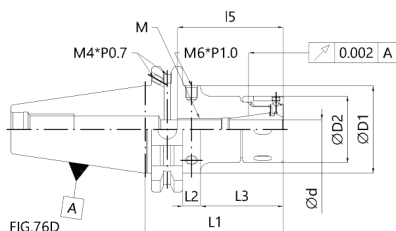
動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SK50AD/B-SGER16-080 +RF N16SGXR nano	76A	80	9	52	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.70	C	
◎	SK50AD/B-SGER16-100 +RF N16SGXR nano	76A	100	9	72	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.90	C	
○	SK50AD/B-SGER16-120 +RF N16SGXR nano	76B	120	9	92	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.10	C	
○	SK50AD/B-SGER16-160 +RF N16SGXR nano	76B	160	9	132	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.50	C	
	SK50AD/B-SGER16-200 +RF N16SGXR nano	76B	200	9	172	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
○	SK50AD/B-SGER20-080 +RF N20SGXR nano	76A	80	9	52	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.80	C	
◎	SK50AD/B-SGER20-100 +RF N20SGXR nano	76A	100	9	72	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.00	C	
○	SK50AD/B-SGER20-120 +RF N20SGXR nano	76B	120	9	92	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.20	C	
○	SK50AD/B-SGER20-160 +RF N20SGXR nano	76B	160	9	132	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.60	C	
	SK50AD/B-SGER20-200 +RF N20SGXR nano	76B	200	9	172	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
○	SK50AD/B-SGER25-080 +RF N25SGXR nano	76A	80	9	52	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.00	C	
◎	SK50AD/B-SGER25-100 +RF N25SGXR nano	76A	100	9	72	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.20	C	
○	SK50AD/B-SGER25-120 +RF N25SGXR nano	76B	120	9	92	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.40	C	
○	SK50AD/B-SGER25-160 +RF N25SGXR nano	76B	160	9	132	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.80	C	
	SK50AD/B-SGER25-200 +RF N25SGXR nano	76B	200	9	172	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
○	SK50AD/B-SGER32-080 +RF N32SGXR nano	76A	80	9	52	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.20	C	
◎	SK50AD/B-SGER32-100 +RF N32SGXR nano	76A	100	9	72	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.40	C	
○	SK50AD/B-SGER32-120 +RF N32SGXR nano	76B	120	9	92	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.60	C	
○	SK50AD/B-SGER32-160 +RF N32SGXR nano	76B	160	9	132	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.00	C	
	SK50AD/B-SGER32-200 +RF N32SGXR nano	76B	200	9	172	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
○	SK50AD/B-SGER40-080 +RF N40SGXR nano	76A	80	9	52	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
○	SK50AD/B-SGER40-100 +RF N40SGXR nano	76A	100	9	72	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	C	
○	SK50AD/B-SGER40-120 +RF N40SGXR nano	76A	120	9	92	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.20	C	
○	SK50AD/B-SGER40-160 +RF N40SGXR nano	76A	160	9	132	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.80	C	
	SK50AD/B-SGER40-200 +RF N40SGXR nano	76A	200	9	172	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.40	C	

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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SK40AD/B-SGER16-070 +RF N16SGX nano	76D	70	9	42	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	SK40AD/B-SGER16-100 +RF N16SGX nano	76D	100	9	72	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
○	SK40AD/B-SGER16-120 +RF N16SGX nano	76E	120	9	92	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.50	B	
	SK40AD/B-SGER16-160 +RF N16SGX nano	76E	160	9	132	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.90	B	
	SK40AD/B-SGER16-200 +RF N16SGX nano	76E	200	9	172	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.30	B	
◎	SK40AD/B-SGER20-070 +RF N20SGX nano	76D	70	9	42	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	SK40AD/B-SGER20-100 +RF N20SGX nano	76D	100	9	72	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
○	SK40AD/B-SGER20-120 +RF N20SGX nano	76E	120	9	92	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.60	B	
	SK40AD/B-SGER20-160 +RF N20SGX nano	76E	160	9	132	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.00	B	
	SK40AD/B-SGER20-200 +RF N20SGX nano	76E	200	9	172	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.40	B	
◎	SK40AD/B-SGER25-070 +RF N25SGX nano	76D	70	9	42	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	SK40AD/B-SGER25-100 +RF N25SGX nano	76D	100	9	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
○	SK40AD/B-SGER25-120 +RF N25SGX nano	76D	120	9	92	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.80	B	
	SK40AD/B-SGER25-160 +RF N25SGX nano	76D	160	9	132	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.20	B	
	SK40AD/B-SGER25-200 +RF N25SGX nano	76D	200	9	172	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.60	B	
◎	SK40AD/B-SGER32-070 +RF N32SGX nano	76F	70	8	43	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	SK40AD/B-SGER32-100 +RF N32SGX nano	76F	100	8	73	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
○	SK40AD/B-SGER32-120 +RF N32SGX nano	76F	120	8	93	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.00	B	
	SK40AD/B-SGER32-160 +RF N32SGX nano	76F	160	8	133	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.40	B	
	SK40AD/B-SGER32-200 +RF N32SGX nano	76F	200	8	173	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.80	B	
◎	SK40AD/B-SGER40-080 +RF N40SGX nano	76F	80	8	43	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	SK40AD/B-SGER40-100 +RF N40SGX nano	76F	100	8	73	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	SK40AD/B-SGER40-120 +RF N40SGX nano	76F	120	8	93	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.60	B	
	SK40AD/B-SGER40-160 +RF N40SGX nano	76F	160	8	133	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.20	B	
	SK40AD/B-SGER40-200 +RF N40SGX nano	76F	200	8	173	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.80	B	

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supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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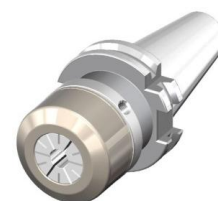
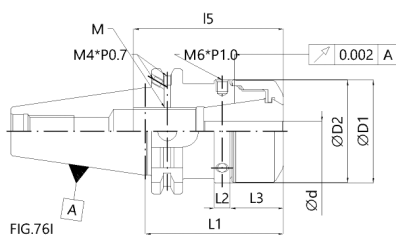
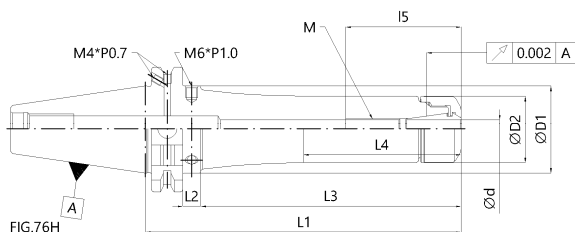
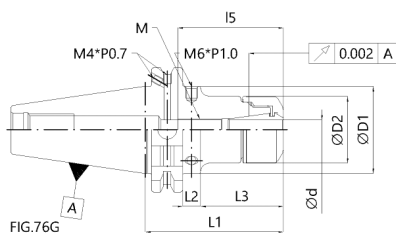
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SK50AD/B-SGER16-080 +RF N16SGX nano	76D	80	9	52	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.70	C	
◎	SK50AD/B-SGER16-100 +RF N16SGX nano	76D	100	9	72	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.90	C	
○	SK50AD/B-SGER16-120 +RF N16SGX nano	76E	120	9	92	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.10	C	
○	SK50AD/B-SGER16-160 +RF N16SGX nano	76E	160	9	132	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.50	C	
	SK50AD/B-SGER16-200 +RF N16SGX nano	76E	200	9	172	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
○	SK50AD/B-SGER20-080 +RF N20SGX nano	76D	80	9	52	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.80	C	
◎	SK50AD/B-SGER20-100 +RF N20SGX nano	76D	100	9	72	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.00	C	
○	SK50AD/B-SGER20-120 +RF N20SGX nano	76E	120	9	92	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.20	C	
○	SK50AD/B-SGER20-160 +RF N20SGX nano	76E	160	9	132	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.60	C	
	SK50AD/B-SGER20-200 +RF N20SGX nano	76E	200	9	172	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
○	SK50AD/B-SGER25-080 +RF N25SGX nano	76D	80	9	52	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.00	C	
◎	SK50AD/B-SGER25-100 +RF N25SGX nano	76D	100	9	72	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.20	C	
○	SK50AD/B-SGER25-120 +RF N25SGX nano	76E	120	9	92	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.40	C	
○	SK50AD/B-SGER25-160 +RF N25SGX nano	76E	160	9	132	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.80	C	
	SK50AD/B-SGER25-200 +RF N25SGX nano	76E	200	9	172	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
○	SK50AD/B-SGER32-080 +RF N32SGX nano	76D	80	9	52	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.20	C	
◎	SK50AD/B-SGER32-100 +RF N32SGX nano	76D	100	9	72	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.40	C	
○	SK50AD/B-SGER32-120 +RF N32SGX nano	76E	120	9	92	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.60	C	
○	SK50AD/B-SGER32-160 +RF N32SGX nano	76E	160	9	132	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.00	C	
	SK50AD/B-SGER32-200 +RF N32SGX nano	76E	200	9	172	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
○	SK50AD/B-SGER40-080 +RF N40SGX nano	76D	80	9	52	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
○	SK50AD/B-SGER40-100 +RF N40SGX nano	76D	100	9	72	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	C	
○	SK50AD/B-SGER40-120 +RF N40SGX nano	76D	120	9	92	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.20	C	
○	SK50AD/B-SGER40-160 +RF N40SGX nano	76D	160	9	132	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.80	C	
	SK50AD/B-SGER40-200 +RF N40SGX nano	76D	200	9	172	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.40	C	

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supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SK40AD/B-SGER16-070 +RF N16SGSXR	76G	70	9	42	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	SK40AD/B-SGER16-100 +RF N16SGSXR	76G	100	9	72	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
○	SK40AD/B-SGER16-120 +RF N16SGSXR	76H	120	9	92	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.50	B	
	SK40AD/B-SGER16-160 +RF N16SGSXR	76H	160	9	132	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.90	B	
	SK40AD/B-SGER16-200 +RF N16SGSXR	76H	200	9	172	80	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.30	B	
◎	SK40AD/B-SGER20-070 +RF N20SGSXR	76G	70	9	42	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	SK40AD/B-SGER20-100 +RF N20SGSXR	76G	100	9	72	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
○	SK40AD/B-SGER20-120 +RF N20SGSXR	76H	120	9	92	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.60	B	
	SK40AD/B-SGER20-160 +RF N20SGSXR	76H	160	9	132	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.00	B	
	SK40AD/B-SGER20-200 +RF N20SGSXR	76H	200	9	172	80	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.40	B	
◎	SK40AD/B-SGER25-070 +RF N25SGSXR	76G	70	9	42	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	SK40AD/B-SGER25-100 +RF N25SGSXR	76G	100	9	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
○	SK40AD/B-SGER25-120 +RF N25SGSXR	76G	120	9	92	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.80	B	
	SK40AD/B-SGER25-160 +RF N25SGSXR	76G	160	9	132	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.20	B	
	SK40AD/B-SGER25-200 +RF N25SGSXR	76G	200	9	172	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.60	B	
◎	SK40AD/B-SGER32-070 +RF N32SGSXR	76I	70	8	43	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	SK40AD/B-SGER32-100 +RF N32SGSXR	76I	100	8	73	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
○	SK40AD/B-SGER32-120 +RF N32SGSXR	76I	120	8	93	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.00	B	
	SK40AD/B-SGER32-160 +RF N32SGSXR	76I	160	8	133	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.40	B	
	SK40AD/B-SGER32-200 +RF N32SGSXR	76I	200	8	173	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.80	B	
◎	SK40AD/B-SGER40-080 +RF N40SGSXR	76I	80	8	43	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	SK40AD/B-SGER40-100 +RF N40SGSXR	76I	100	8	73	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	SK40AD/B-SGER40-120 +RF N40SGSXR	76I	120	8	93	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.60	B	
	SK40AD/B-SGER40-160 +RF N40SGSXR	76I	160	8	133	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.20	B	
	SK40AD/B-SGER40-200 +RF N40SGSXR	76I	200	8	173	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.80	B	

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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

supERgrip SGER & ER // SK-SGER+RF NSGSXR

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

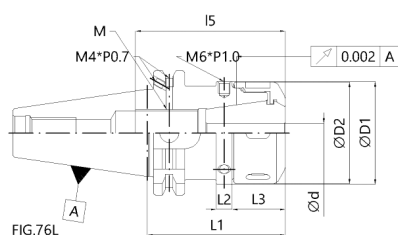
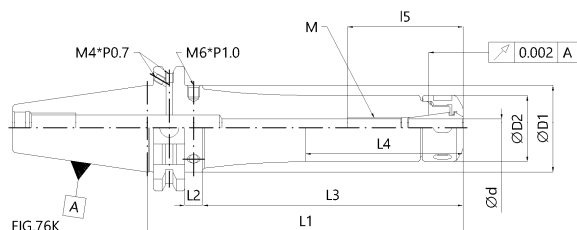
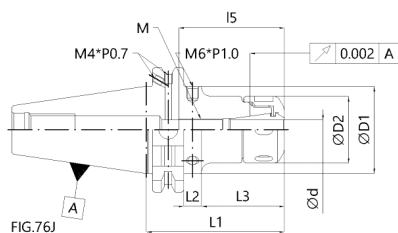
動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SK50AD/B-SGER16-080 +RF N16SGSXR	76G	80	9	52	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.70	C	
◎	SK50AD/B-SGER16-100 +RF N16SGSXR	76G	100	9	72	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.90	C	
○	SK50AD/B-SGER16-120 +RF N16SGSXR	76H	120	9	92	-	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.10	C	
○	SK50AD/B-SGER16-160 +RF N16SGSXR	76H	160	9	132	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.50	C	
	SK50AD/B-SGER16-200 +RF N16SGSXR	76H	200	9	172	80	46	69.8	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
○	SK50AD/B-SGER20-080 +RF N20SGSXR	76G	80	9	52	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.80	C	
◎	SK50AD/B-SGER20-100 +RF N20SGSXR	76G	100	9	72	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.00	C	
○	SK50AD/B-SGER20-120 +RF N20SGSXR	76H	120	9	92	-	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.20	C	
○	SK50AD/B-SGER20-160 +RF N20SGSXR	76H	160	9	132	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.60	C	
	SK50AD/B-SGER20-200 +RF N20SGSXR	76H	200	9	172	80	51	69.8	38	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
○	SK50AD/B-SGER25-080 +RF N25SGSXR	76G	80	9	52	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.00	C	
◎	SK50AD/B-SGER25-100 +RF N25SGSXR	76G	100	9	72	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.20	C	
○	SK50AD/B-SGER25-120 +RF N25SGSXR	76H	120	9	92	-	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.40	C	
○	SK50AD/B-SGER25-160 +RF N25SGSXR	76H	160	9	132	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.80	C	
	SK50AD/B-SGER25-200 +RF N25SGSXR	76H	200	9	172	80	53	69.8	44	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
○	SK50AD/B-SGER32-080 +RF N32SGSXR	76G	80	9	52	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.20	C	
◎	SK50AD/B-SGER32-100 +RF N32SGSXR	76G	100	9	72	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.40	C	
○	SK50AD/B-SGER32-120 +RF N32SGSXR	76H	120	9	92	-	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.60	C	
○	SK50AD/B-SGER32-160 +RF N32SGSXR	76H	160	9	132	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.00	C	
	SK50AD/B-SGER32-200 +RF N32SGSXR	76H	200	9	172	80	57	69.8	52	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
○	SK50AD/B-SGER40-080 +RF N40SGSXR	76G	80	9	52	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
○	SK50AD/B-SGER40-100 +RF N40SGSXR	76G	100	9	72	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	C	
○	SK50AD/B-SGER40-120 +RF N40SGSXR	76G	120	9	92	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.20	C	
○	SK50AD/B-SGER40-160 +RF N40SGSXR	76G	160	9	132	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.80	C	
	SK50AD/B-SGER40-200 +RF N40SGSXR	76G	200	9	172	-	67	69.8	62	RY0620	3.0~26.0	ER40	M28*P1.5	5.40	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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SK40AD/B-SGER16-070 +RF N16SGSX	76J	70	9	42	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	SK40AD/B-SGER16-100 +RF N16SGSX	76J	100	9	72	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
○	SK40AD/B-SGER16-120 +RF N16SGSX	76K	120	9	92	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.50	B	
	SK40AD/B-SGER16-160 +RF N16SGSX	76K	160	9	132	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.90	B	
	SK40AD/B-SGER16-200 +RF N16SGSX	76K	200	9	172	80	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.30	B	
◎	SK40AD/B-SGER20-070 +RF N20SGSX	76J	70	9	42	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	SK40AD/B-SGER20-100 +RF N20SGSX	76J	100	9	72	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
○	SK40AD/B-SGER20-120 +RF N20SGSX	76K	120	9	92	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.60	B	
	SK40AD/B-SGER20-160 +RF N20SGSX	76K	160	9	132	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.00	B	
	SK40AD/B-SGER20-200 +RF N20SGSX	76K	200	9	172	80	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.40	B	
◎	SK40AD/B-SGER25-070 +RF N25SGSX	76J	70	9	42	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
◎	SK40AD/B-SGER25-100 +RF N25SGSX	76J	100	9	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
○	SK40AD/B-SGER25-120 +RF N25SGSX	76J	120	9	92	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.80	B	
	SK40AD/B-SGER25-160 +RF N25SGSX	76J	160	9	132	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.20	B	
	SK40AD/B-SGER25-200 +RF N25SGSX	76J	200	9	172	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.60	B	
◎	SK40AD/B-SGER32-070 +RF N32SGSX	76L	70	8	43	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
◎	SK40AD/B-SGER32-100 +RF N32SGSX	76L	100	8	73	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
○	SK40AD/B-SGER32-120 +RF N32SGSX	76L	120	8	93	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.00	B	
	SK40AD/B-SGER32-160 +RF N32SGSX	76L	160	8	133	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.40	B	
	SK40AD/B-SGER32-200 +RF N32SGSX	76L	200	8	173	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.80	B	
◎	SK40AD/B-SGER40-080 +RF N40SGSX	76L	80	8	43	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.00	B	
◎	SK40AD/B-SGER40-100 +RF N40SGSX	76L	100	8	73	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	SK40AD/B-SGER40-120 +RF N40SGSX	76L	120	8	93	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.60	B	
	SK40AD/B-SGER40-160 +RF N40SGSX	76L	160	8	133	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.20	B	
	SK40AD/B-SGER40-200 +RF N40SGSX	76L	200	8	173	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.80	B	

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supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

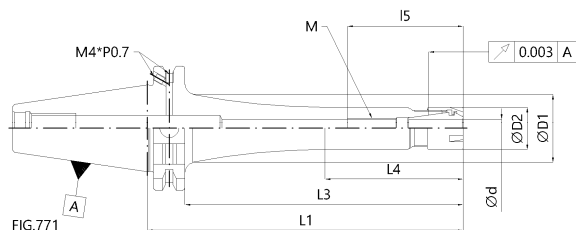
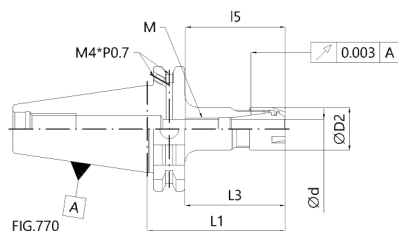
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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SK50AD/B-SGER16-080 +RF N16SGSX	76J	80	9	52	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.70	C	
◎	SK50AD/B-SGER16-100 +RF N16SGSX	76J	100	9	72	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.90	C	
○	SK50AD/B-SGER16-120 +RF N16SGSX	76K	120	9	92	-	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.10	C	
○	SK50AD/B-SGER16-160 +RF N16SGSX	76K	160	9	132	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.50	C	
	SK50AD/B-SGER16-200 +RF N16SGSX	76K	200	9	172	80	46	69.8	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
○	SK50AD/B-SGER20-080 +RF N20SGSX	76J	80	9	52	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.80	C	
◎	SK50AD/B-SGER20-100 +RF N20SGSX	76J	100	9	72	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.00	C	
○	SK50AD/B-SGER20-120 +RF N20SGSX	76K	120	9	92	-	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.20	C	
○	SK50AD/B-SGER20-160 +RF N20SGSX	76K	160	9	132	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.60	C	
	SK50AD/B-SGER20-200 +RF N20SGSX	76K	200	9	172	80	51	69.8	38	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
○	SK50AD/B-SGER25-080 +RF N25SGSX	76J	80	9	52	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.00	C	
◎	SK50AD/B-SGER25-100 +RF N25SGSX	76J	100	9	72	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.20	C	
○	SK50AD/B-SGER25-120 +RF N25SGSX	76K	120	9	92	-	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.40	C	
○	SK50AD/B-SGER25-160 +RF N25SGSX	76K	160	9	132	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.80	C	
	SK50AD/B-SGER25-200 +RF N25SGSX	76K	200	9	172	80	53	69.8	44	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
○	SK50AD/B-SGER32-080 +RF N32SGSX	76J	80	9	52	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.20	C	
◎	SK50AD/B-SGER32-100 +RF N32SGSX	76J	100	9	72	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.40	C	
○	SK50AD/B-SGER32-120 +RF N32SGSX	76K	120	9	92	-	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.60	C	
○	SK50AD/B-SGER32-160 +RF N32SGSX	76K	160	9	132	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.00	C	
	SK50AD/B-SGER32-200 +RF N32SGSX	76K	200	9	172	80	57	69.8	52	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
○	SK50AD/B-SGER40-080 +RF N40SGSX	76J	80	9	52	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
○	SK50AD/B-SGER40-100 +RF N40SGSX	76J	100	9	72	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	C	
○	SK50AD/B-SGER40-120 +RF N40SGSX	76J	120	9	92	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.20	C	
○	SK50AD/B-SGER40-160 +RF N40SGSX	76J	160	9	132	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.80	C	
	SK50AD/B-SGER40-200 +RF N40SGSX	76J	200	9	172	-	67	69.8	62	YMK060	3.0~26.0	ER40	M28*P1.5	5.40	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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	SK40AD/B-ER11M-070 +RF N11MX	770	70	-	51	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	0.80	D	
	SK40AD/B-ER11M-100 +RF N11MX	770	100	-	81	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.10	D	
	SK40AD/B-ER11M-130 +RF N11MX	770	130	-	111	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.40	D	
	SK40AD/B-ER11M-160 +RF N11MX	770	160	-	141	-	39	-	16	ER11M	0.5~7.0	ER11	M8*P1.0	1.70	D	
	SK40AD/B-ER16M-070 +RF N16MX	770	70	-	51	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.90	D	
	SK40AD/B-ER16M-100 +RF N16MX	770	100	-	81	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.20	D	
	SK40AD/B-ER16M-130 +RF N16MX	770	130	-	111	-	46	-	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.50	D	
	SK40AD/B-ER16M-160 +RF N16MX	771	160	-	141	70	46	36	22	ER16M	0.5~10.0	ER16	M11*P1.0	1.80	D	
	SK40AD/B-ER20M-070 +RF N20MX	770	70	-	51	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.00	D	
	SK40AD/B-ER20M-100 +RF N20MX	770	100	-	81	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.30	D	
	SK40AD/B-ER20M-130 +RF N20MX	770	130	-	111	-	51	-	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.60	D	
	SK40AD/B-ER20M-160 +RF N20MX	771	160	-	141	70	51	42	28	ER20M	0.5~13.0	ER20	M14*P1.0	1.90	D	
	SK40AD/B-ER25M-070 +RF N25MX	770	70	-	51	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.20	D	
	SK40AD/B-ER25M-100 +RF N25MX	770	100	-	81	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.50	D	
	SK40AD/B-ER25M-130 +RF N25MX	770	130	-	111	-	53	-	35	ER25M	0.5~16.0	ER25	M18*P1.5	1.80	D	
	SK40AD/B-ER25M-160 +RF N25MX	771	160	-	141	70	53	45	35	ER25M	0.5~16.0	ER25	M18*P1.5	2.10	D	

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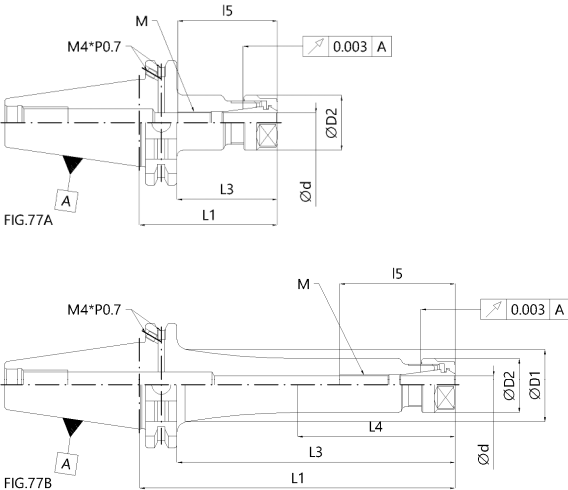
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // SK-ER+RF NSX

ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSX

ER collet chucks+RF rustproof coating balanced nut NSX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	SK40AD/B-ER16-070 +RF N16SX	77A	70	-	43	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.00	D	
	SK40AD/B-ER16-100 +RF N16SX	77A	100	-	73	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.30	D	
	SK40AD/B-ER16-120 +RF N16SX	77A	120	-	93	-	46	-	28	ER16	0.5~10.0	ER16	M11*P1.0	1.50	D	
	SK40AD/B-ER16-160 +RF N16SX	77B	160	-	133	80	46	36	28	ER16	0.5~10.0	ER16	M11*P1.0	1.90	D	
	SK40AD/B-ER16-200 +RF N16SX	77B	200	-	173	120	46	36	28	ER16	0.5~10.0	ER16	M11*P1.0	2.30	D	
	SK40AD/B-ER20-070 +RF N20SX	77A	70	-	43	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.10	D	
	SK40AD/B-ER20-100 +RF N20SX	77A	100	-	73	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.40	D	
	SK40AD/B-ER20-120 +RF N20SX	77A	120	-	93	-	51	-	34	ER20	0.5~13.0	ER20	M14*P1.0	1.60	D	
	SK40AD/B-ER20-160 +RF N20SX	77B	160	-	133	80	51	42	34	ER20	0.5~13.0	ER20	M14*P1.0	2.00	D	
	SK40AD/B-ER20-200 +RF N20SX	77B	200	-	173	120	51	42	34	ER20	0.5~13.0	ER20	M14*P1.0	2.40	D	
	SK40AD/B-ER25-070 +RF N25SX	77A	70	-	43	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.30	D	
	SK40AD/B-ER25-100 +RF N25SX	77A	100	-	73	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.60	D	
	SK40AD/B-ER25-120 +RF N25SX	77A	120	-	93	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	1.80	D	
	SK40AD/B-ER25-160 +RF N25SX	77A	160	-	133	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	2.20	D	
	SK40AD/B-ER25-200 +RF N25SX	77A	200	-	173	-	53	-	42	YMK040	0.5~16.0	ER25	M18*P1.5	2.60	D	
	SK40AD/B-ER32-070 +RF N32SX	77A	70	-	43	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	D	
	SK40AD/B-ER32-100 +RF N32SX	77A	100	-	73	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	D	
	SK40AD/B-ER32-120 +RF N32SX	77A	120	-	93	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	2.00	D	
	SK40AD/B-ER32-160 +RF N32SX	77A	160	-	133	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	2.40	D	
	SK40AD/B-ER32-200 +RF N32SX	77A	200	-	173	-	57	-	50	YMK050	2.0~20.0	ER32	M24*P1.5	2.80	D	
	SK40AD/B-ER40-070 +RF N40SX	77A	70	-	43	-	62	-	63	YMK060	3.0~26.0	ER40	M28*P1.5	1.90	D	
	SK40AD/B-ER40-100 +RF N40SX	77A	100	-	73	-	67	-	63	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	D	
	SK40AD/B-ER40-120 +RF N40SX	77A	120	-	93	-	67	-	63	YMK060	3.0~26.0	ER40	M28*P1.5	2.60	D	
	SK40AD/B-ER40-160 +RF N40SX	77A	160	-	133	-	67	-	63	YMK060	3.0~26.0	ER40	M28*P1.5	3.20	D	
	SK40AD/B-ER40-200 +RF N40SX	77A	200	-	173	-	67	-	63	YMK060	3.0~26.0	ER40	M28*P1.5	3.80	D	

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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

supERgrip SGER & ER // β-CAT

supERgrip SGER & ER // 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

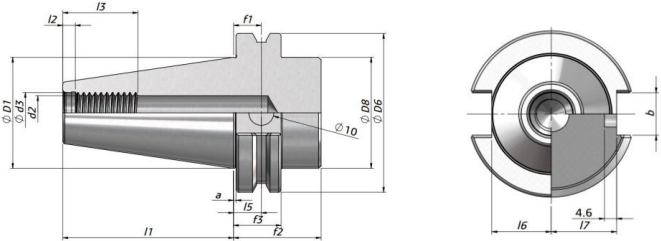
β-CAT toolholder with IC chip hole is a standard product from YAMAKEN

β-CAT是CAT 7/24圓錐與端面接觸版本
β-CAT**A是標準型刀柄
β-CAT**AD是標準型刀柄內帶中心貫穿冷卻孔
β-CAT**B是標準型刀柄法蘭端面帶冷卻孔
β-CAT**AD/B是標準型刀柄將兩種內冷卻方式整合

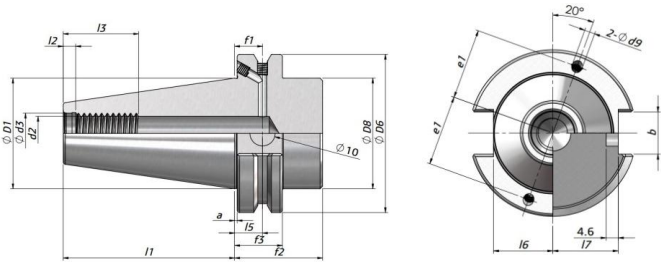
β-CAT刀柄上有一個IC晶片孔是山謙的生產標準品

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	#40 TAPER	#50 TAPER
	0.00004"	0.00004"	0.00008"

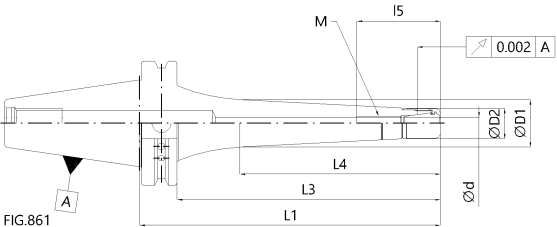
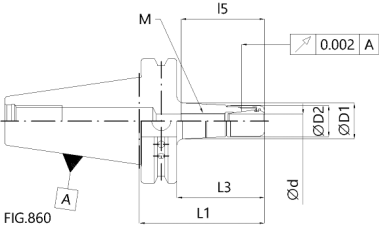
AT2 or better taper angle tolerance is YAMAKEN standard

AT2或者更小的錐度角度公差是山謙的標準

supERgrip SGER & ER // RF β-CAT-SGER+RF NSGMXR

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-CAT40AD-SGER11M-2.50" +RF N11SGMXR	860	2.50"	-	1.75"	-	1.54"	0.73"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	0.70	B	
	RF β-CAT40AD-SGER11M-4.00" +RF N11SGMXR	860	4.00"	-	3.25"	-	1.54"	0.88"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	B	
	RF β-CAT40AD-SGER11M-6.00" +RF N11SGMXR	861	6.00"	-	5.25"	4.00"	1.54"	0.96"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	1.60	B	
	RF β-CAT40AD-SGER11M-8.00" +RF N11SGMXR	861	8.00"	-	7.25"	4.00"	1.54"	0.96"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	2.10	B	
	RF β-CAT40AD-SGER16M-2.50" +RF N16SGMXR	860	2.50"	-	1.75"	-	1.81"	1.04"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	0.80	B	
	RF β-CAT40AD-SGER16M-4.00" +RF N16SGMXR	860	4.00"	-	3.25"	-	1.81"	1.19"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	B	
	RF β-CAT40AD-SGER16M-6.00" +RF N16SGMXR	861	6.00"	-	5.25"	4.00"	1.81"	1.27"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	1.70	B	
	RF β-CAT40AD-SGER16M-8.00" +RF N16SGMXR	861	8.00"	-	7.25"	4.00"	1.81"	1.27"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	2.20	B	
	RF β-CAT40AD-SGER20M-2.50" +RF N20SGMXR	860	2.50"	-	1.75"	-	2.01"	1.20"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	0.90	B	
	RF β-CAT40AD-SGER20M-4.00" +RF N20SGMXR	860	4.00"	-	3.25"	-	2.01"	1.35"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	B	
	RF β-CAT40AD-SGER20M-6.00" +RF N20SGMXR	861	6.00"	-	5.25"	4.00"	2.01"	1.43"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	1.80	B	
	RF β-CAT40AD-SGER20M-8.00" +RF N20SGMXR	861	8.00"	-	7.25"	4.00"	2.01"	1.43"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	2.30	B	
	RF β-CAT40AD-SGER25M-2.50" +RF N25SGMXR	860	2.50"	-	1.75"	-	2.09"	1.52"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	1.10	B	
	RF β-CAT40AD-SGER25M-4.00" +RF N25SGMXR	860	4.00"	-	3.25"	-	2.09"	1.67"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	B	
	RF β-CAT40AD-SGER25M-6.00" +RF N25SGMXR	860	6.00"	-	5.25"	-	2.09"	1.75"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	2.00	B	
	RF β-CAT40AD-SGER25M-8.00" +RF N25SGMXR	860	8.00"	-	7.25"	-	2.09"	1.75"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	2.50	B	
	RF β-CAT40AD-SGER32M-2.50" +RF N32SGMXR	860	2.50"	-	1.75"	-	2.24"	-	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	1.30	B	
	RF β-CAT40AD-SGER32M-4.00" +RF N32SGMXR	860	4.00"	-	3.25"	-	2.24"	-	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	B	
	RF β-CAT40AD-SGER32M-6.00" +RF N32SGMXR	860	6.00"	-	5.25"	-	2.24"	-	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	2.20	B	
	RF β-CAT40AD-SGER32M-8.00" +RF N32SGMXR	860	8.00"	-	7.25"	-	2.24"	-	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	2.70	B	

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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

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-CAT50AD-SGER11M-2.50" +RF N11SGMXR	860	2.50"	-	1.75"	-	1.54"	0.73"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	2.30	C	
	RF β-CAT50AD-SGER11M-4.00" +RF N11SGMXR	860	4.00"	-	3.25"	-	1.54"	0.88"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	2.70	C	
	RF β-CAT50AD-SGER11M-6.00" +RF N11SGMXR	861	6.00"	-	5.25"	4.00"	1.54"	0.96"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	3.20	C	
	RF β-CAT50AD-SGER11M-8.00" +RF N11SGMXR	861	8.00"	-	7.25"	4.00"	1.54"	0.96"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	3.70	C	
	RF β-CAT50AD-SGER16M-2.50" +RF N16SGMXR	860	2.50"	-	1.75"	-	1.81"	1.04"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	2.40	C	
	RF β-CAT50AD-SGER16M-4.00" +RF N16SGMXR	860	4.00"	-	3.25"	-	1.81"	1.19"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	2.80	C	
	RF β-CAT50AD-SGER16M-6.00" +RF N16SGMXR	861	6.00"	-	5.25"	4.00"	1.81"	1.27"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	3.30	C	
	RF β-CAT50AD-SGER16M-8.00" +RF N16SGMXR	861	8.00"	-	7.25"	4.00"	1.81"	1.27"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	3.80	C	
	RF β-CAT50AD-SGER20M-2.50" +RF N20SGMXR	860	2.50"	-	1.75"	-	2.01"	1.20"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	2.50	C	
	RF β-CAT50AD-SGER20M-4.00" +RF N20SGMXR	860	4.00"	-	3.25"	-	2.01"	1.35"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	2.90	C	
	RF β-CAT50AD-SGER20M-6.00" +RF N20SGMXR	861	6.00"	-	5.25"	4.00"	2.01"	1.43"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	3.40	C	
	RF β-CAT50AD-SGER20M-8.00" +RF N20SGMXR	861	8.00"	-	7.25"	4.00"	2.01"	1.43"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	3.90	C	
	RF β-CAT50AD-SGER25M-2.50" +RF N25SGMXR	860	2.50"	-	1.75"	-	2.09"	1.52"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	2.70	C	
	RF β-CAT50AD-SGER25M-4.00" +RF N25SGMXR	860	4.00"	-	3.25"	-	2.09"	1.67"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	3.10	C	
	RF β-CAT50AD-SGER25M-6.00" +RF N25SGMXR	860	6.00"	-	5.25"	-	2.09"	1.87"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	3.60	C	
	RF β-CAT50AD-SGER25M-8.00" +RF N25SGMXR	860	8.00"	-	7.25"	-	2.09"	1.97"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	4.10	C	
	RF β-CAT50AD-SGER32M-2.50" +RF N32SGMXR	860	2.50"	-	1.75"	-	2.24"	1.83"	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	2.90	C	
	RF β-CAT50AD-SGER32M-4.00" +RF N32SGMXR	860	4.00"	-	3.25"	-	2.24"	1.98"	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	3.30	C	
	RF β-CAT50AD-SGER32M-6.00" +RF N32SGMXR	860	6.00"	-	5.25"	-	2.24"	2.18"	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	3.80	C	
	RF β-CAT50AD-SGER32M-8.00" +RF N32SGMXR	860	8.00"	-	7.25"	-	2.24"	2.38"	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	4.30	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

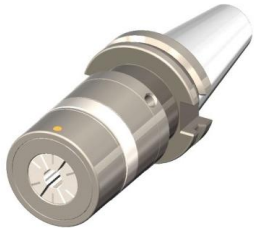
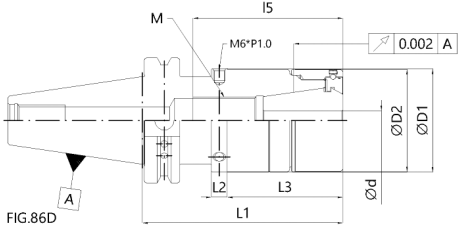
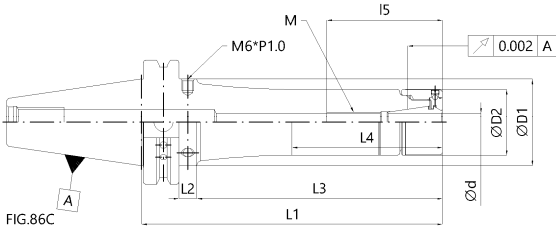
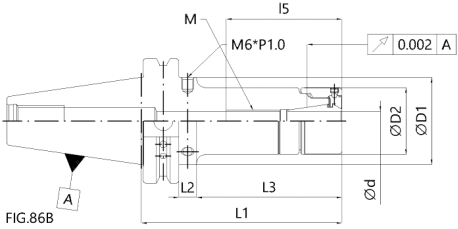
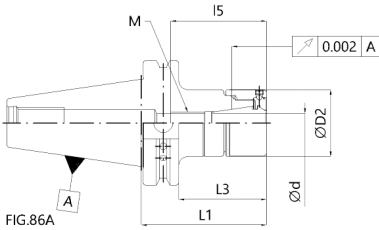
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // RF β-CAT-SGER+RF NSGXR nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-CAT40AD-SGER16-2.50" +RF N16SGXR nano	86A	2.50"	-	1.75"	-	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	RF β-CAT40AD-SGER16-4.00" +RF N16SGXR nano	86B	4.00"	0.35"	2.90"	-	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF β-CAT40AD-SGER16-6.00" +RF N16SGXR nano	86C	6.00"	0.35"	4.90"	3.00"	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	B	
	RF β-CAT40AD-SGER16-8.00" +RF N16SGXR nano	86C	8.00"	0.35"	6.90"	3.00"	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.30	B	
	RF β-CAT40AD-SGER20-2.50" +RF N20SGXR nano	86A	2.50"	-	1.75"	-	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
	RF β-CAT40AD-SGER20-4.00" +RF N20SGXR nano	86B	4.00"	0.35"	2.90"	-	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF β-CAT40AD-SGER20-6.00" +RF N20SGXR nano	86C	6.00"	0.35"	4.90"	3.00"	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	B	
	RF β-CAT40AD-SGER20-8.00" +RF N20SGXR nano	86C	8.00"	0.35"	6.90"	3.00"	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	2.40	B	
	RF β-CAT40AD-SGER25-2.50" +RF N25SGXR nano	86A	2.50"	-	1.75"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	RF β-CAT40AD-SGER25-4.00" +RF N25SGXR nano	86B	4.00"	0.35"	2.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF β-CAT40AD-SGER25-6.00" +RF N25SGXR nano	86B	6.00"	0.35"	4.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	B	
	RF β-CAT40AD-SGER25-8.00" +RF N25SGXR nano	86B	8.00"	0.35"	6.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.60	B	
	RF β-CAT40AD-SGER32-2.50" +RF N32SGXR nano	86A	2.50"	-	1.75"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	
	RF β-CAT40AD-SGER32-4.00" +RF N32SGXR nano	86D	4.00"	0.31"	2.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF β-CAT40AD-SGER32-6.00" +RF N32SGXR nano	86D	6.00"	0.31"	4.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	B	
	RF β-CAT40AD-SGER32-8.00" +RF N32SGXR nano	86D	8.00"	0.31"	6.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	2.80	B	
	RF β-CAT40AD-SGER40-3.00" +RF N40SGXR nano	86A	3.00"	-	2.25"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.10	B	
	RF β-CAT40AD-SGER40-4.00" +RF N40SGXR nano	86D	4.00"	0.31"	2.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF β-CAT40AD-SGER40-6.00" +RF N40SGXR nano	86D	6.00"	0.31"	4.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.80	B	
	RF β-CAT40AD-SGER40-8.00" +RF N40SGXR nano	86D	8.00"	0.31"	6.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.30	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β -CAT50AD-SGER16-2.50" +RF N16SGXR nano	86A	2.50"	-	1.75"	-	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.50	C	
	RF β -CAT50AD-SGER16-4.00" +RF N16SGXR nano	86B	4.00"	0.35"	2.90"	-	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.90	C	
	RF β -CAT50AD-SGER16-6.00" +RF N16SGXR nano	86C	6.00"	0.35"	4.90"	3.00"	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	3.40	C	
	RF β -CAT50AD-SGER16-8.00" +RF N16SGXR nano	86C	8.00"	0.35"	6.90"	3.00"	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
	RF β -CAT50AD-SGER20-2.50" +RF N20SGXR nano	86A	2.50"	-	1.75"	-	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	2.60	C	
	RF β -CAT50AD-SGER20-4.00" +RF N20SGXR nano	86B	4.00"	0.35"	2.90"	-	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	3.00	C	
	RF β -CAT50AD-SGER20-6.00" +RF N20SGXR nano	86C	6.00"	0.35"	4.90"	3.00"	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	3.50	C	
	RF β -CAT50AD-SGER20-8.00" +RF N20SGXR nano	86C	8.00"	0.35"	6.90"	3.00"	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
	RF β -CAT50AD-SGER25-2.50" +RF N25SGXR nano	86A	2.50"	-	1.75"	-	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.80	C	
	RF β -CAT50AD-SGER25-4.00" +RF N25SGXR nano	86B	4.00"	0.35"	2.90"	-	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	3.20	C	
	RF β -CAT50AD-SGER25-6.00" +RF N25SGXR nano	86C	6.00"	0.35"	4.90"	3.00"	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	3.70	C	
	RF β -CAT50AD-SGER25-8.00" +RF N25SGXR nano	86C	8.00"	0.35"	6.90"	3.00"	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
	RF β -CAT50AD-SGER32-2.50" +RF N32SGXR nano	86A	2.50"	-	1.75"	-	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.10	C	
	RF β -CAT50AD-SGER32-4.00" +RF N32SGXR nano	86B	4.00"	0.35"	2.90"	-	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.40	C	
	RF β -CAT50AD-SGER32-6.00" +RF N32SGXR nano	86C	6.00"	0.35"	4.90"	3.00"	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.90	C	
	RF β -CAT50AD-SGER32-8.00" +RF N32SGXR nano	86C	8.00"	0.35"	6.90"	3.00"	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
	RF β -CAT50AD-SGER40-3.00" +RF N40SGXR nano	86A	3.00"	-	2.25"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
	RF β -CAT50AD-SGER40-4.00" +RF N40SGXR nano	86B	4.00"	0.35"	2.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	C	
	RF β -CAT50AD-SGER40-6.00" +RF N40SGXR nano	86B	6.00"	0.35"	4.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	4.70	C	
	RF β -CAT50AD-SGER40-8.00" +RF N40SGXR nano	86B	8.00"	0.35"	6.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	5.40	C	

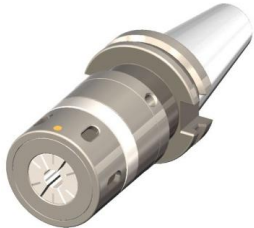
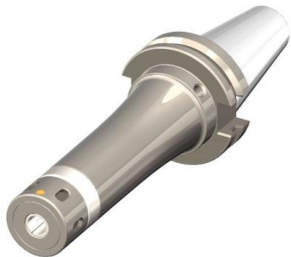
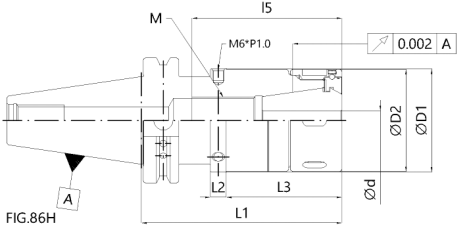
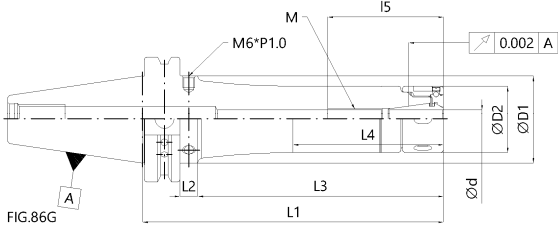
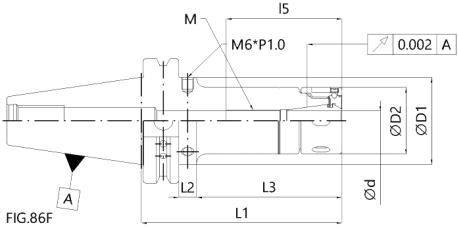
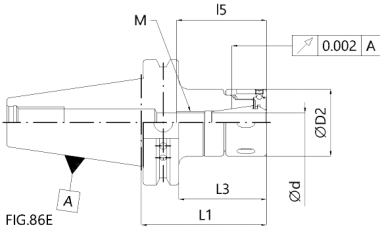
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每支刀柄出貨附1支拉桿螺栓 // Deliver with one retention knob for each chuck

supERgrip SGER & ER // RF β-CAT-SGER+RF NSGX nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-CAT40AD-SGER16-2.50" +RF N16SGX nano	86E	2.50"	-	1.75"	-	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	RF β-CAT40AD-SGER16-4.00" +RF N16SGX nano	86F	4.00"	0.35"	2.90"	-	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF β-CAT40AD-SGER16-6.00" +RF N16SGX nano	86G	6.00"	0.35"	4.90"	3.00"	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	B	
	RF β-CAT40AD-SGER16-8.00" +RF N16SGX nano	86G	8.00"	0.35"	6.90"	3.00"	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.30	B	
	RF β-CAT40AD-SGER20-2.50" +RF N20SGX nano	86E	2.50"	-	1.75"	-	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
	RF β-CAT40AD-SGER20-4.00" +RF N20SGX nano	86F	4.00"	0.35"	2.90"	-	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF β-CAT40AD-SGER20-6.00" +RF N20SGX nano	86G	6.00"	0.35"	4.90"	3.00"	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	B	
	RF β-CAT40AD-SGER20-8.00" +RF N20SGX nano	86G	8.00"	0.35"	6.90"	3.00"	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	2.40	B	
	RF β-CAT40AD-SGER25-2.50" +RF N25SGX nano	86E	2.50"	-	1.75"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	RF β-CAT40AD-SGER25-4.00" +RF N25SGX nano	86F	4.00"	0.35"	2.90"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF β-CAT40AD-SGER25-6.00" +RF N25SGX nano	86F	6.00"	0.35"	4.90"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	B	
	RF β-CAT40AD-SGER25-8.00" +RF N25SGX nano	86F	8.00"	0.35"	6.90"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	2.60	B	
	RF β-CAT40AD-SGER32-2.50" +RF N32SGX nano	86E	2.50"	-	1.75"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	
	RF β-CAT40AD-SGER32-4.00" +RF N32SGX nano	86H	4.00"	0.31"	2.90"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF β-CAT40AD-SGER32-6.00" +RF N32SGX nano	86H	6.00"	0.31"	4.90"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	B	
	RF β-CAT40AD-SGER32-8.00" +RF N32SGX nano	86H	8.00"	0.31"	6.90"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	2.80	B	
	RF β-CAT40AD-SGER40-3.00" +RF N40SGX nano	86E	3.00"	-	2.25"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	2.10	B	
	RF β-CAT40AD-SGER40-4.00" +RF N40SGX nano	86H	4.00"	0.31"	2.90"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF β-CAT40AD-SGER40-6.00" +RF N40SGX nano	86H	6.00"	0.31"	4.90"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	2.80	B	
	RF β-CAT40AD-SGER40-8.00" +RF N40SGX nano	86H	8.00"	0.31"	6.90"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.30	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-CAT50AD-SGER16-2.50" +RF N16SGX nano	86E	2.50"	-	1.75"	-	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.50	C	
	RF β-CAT50AD-SGER16-4.00" +RF N16SGX nano	86F	4.00"	0.35"	2.90"	-	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.90	C	
	RF β-CAT50AD-SGER16-6.00" +RF N16SGX nano	86G	6.00"	0.35"	4.90"	3.00"	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	3.40	C	
	RF β-CAT50AD-SGER16-8.00" +RF N16SGX nano	86G	8.00"	0.35"	6.90"	3.00"	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
	RF β-CAT50AD-SGER20-2.50" +RF N20SGX nano	86E	2.50"	-	1.75"	-	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	2.60	C	
	RF β-CAT50AD-SGER20-4.00" +RF N20SGX nano	86F	4.00"	0.35"	2.90"	-	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	3.00	C	
	RF β-CAT50AD-SGER20-6.00" +RF N20SGX nano	86G	6.00"	0.35"	4.90"	3.00"	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	3.50	C	
	RF β-CAT50AD-SGER20-8.00" +RF N20SGX nano	86G	8.00"	0.35"	6.90"	3.00"	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
	RF β-CAT50AD-SGER25-2.50" +RF N25SGX nano	86E	2.50"	-	1.75"	-	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	2.80	C	
	RF β-CAT50AD-SGER25-4.00" +RF N25SGX nano	86F	4.00"	0.35"	2.90"	-	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	3.20	C	
	RF β-CAT50AD-SGER25-6.00" +RF N25SGX nano	86G	6.00"	0.35"	4.90"	3.00"	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	3.70	C	
	RF β-CAT50AD-SGER25-8.00" +RF N25SGX nano	86G	8.00"	0.35"	6.90"	3.00"	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
	RF β-CAT50AD-SGER32-2.50" +RF N32SGX nano	86E	2.50"	-	1.75"	-	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.10	C	
	RF β-CAT50AD-SGER32-4.00" +RF N32SGX nano	86F	4.00"	0.35"	2.90"	-	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.40	C	
	RF β-CAT50AD-SGER32-6.00" +RF N32SGX nano	86G	6.00"	0.35"	4.90"	3.00"	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.90	C	
	RF β-CAT50AD-SGER32-8.00" +RF N32SGX nano	86G	8.00"	0.35"	6.90"	3.00"	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
	RF β-CAT50AD-SGER40-3.00" +RF N40SGX nano	86E	3.00"	-	2.25"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
	RF β-CAT50AD-SGER40-4.00" +RF N40SGX nano	86F	4.00"	0.35"	2.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	C	
	RF β-CAT50AD-SGER40-6.00" +RF N40SGX nano	86F	6.00"	0.35"	4.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	4.70	C	
	RF β-CAT50AD-SGER40-8.00" +RF N40SGX nano	86F	8.00"	0.35"	6.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	5.40	C	

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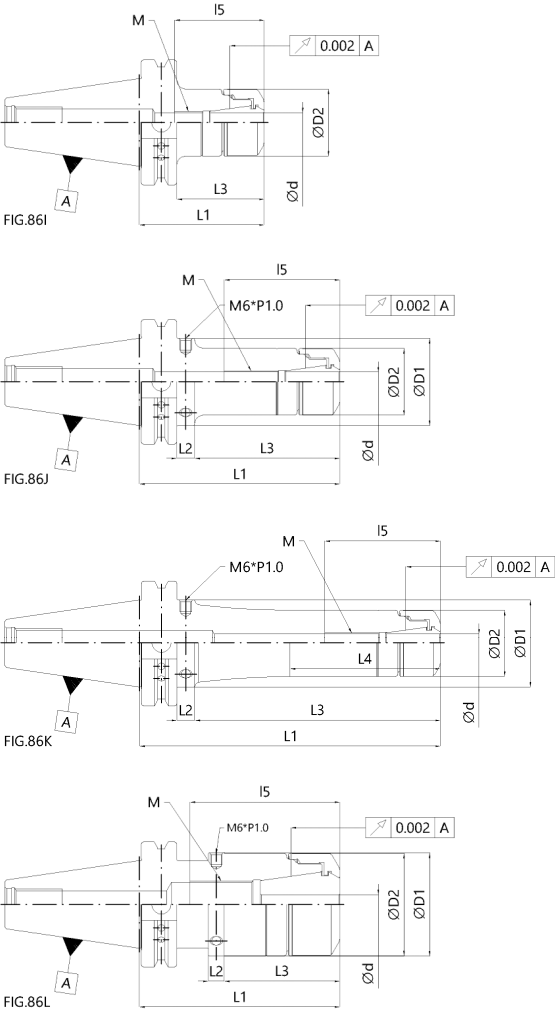
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supERgrip SGER & ER // RF β-CAT-SGER+RF NSGSXR

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-CAT40AD-SGER16-2.50" +RF N16SGSXR	86I	2.50"	-	1.75"	-	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	RF β-CAT40AD-SGER16-4.00" +RF N16SGSXR	86J	4.00"	0.35"	2.90"	-	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF β-CAT40AD-SGER16-6.00" +RF N16SGSXR	86K	6.00"	0.35"	4.90"	3.00"	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	B	
	RF β-CAT40AD-SGER16-8.00" +RF N16SGSXR	86K	8.00"	0.35"	6.90"	3.00"	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.30	B	
	RF β-CAT40AD-SGER20-2.50" +RF N20SGSXR	86I	2.50"	-	1.75"	-	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
	RF β-CAT40AD-SGER20-4.00" +RF N20SGSXR	86J	4.00"	0.35"	2.90"	-	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF β-CAT40AD-SGER20-6.00" +RF N20SGSXR	86K	6.00"	0.35"	4.90"	3.00"	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	B	
	RF β-CAT40AD-SGER20-8.00" +RF N20SGSXR	86K	8.00"	0.35"	6.90"	3.00"	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	2.40	B	
	RF β-CAT40AD-SGER25-2.50" +RF N25SGSXR	86I	2.50"	-	1.75"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	RF β-CAT40AD-SGER25-4.00" +RF N25SGSXR	86J	4.00"	0.35"	2.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF β-CAT40AD-SGER25-6.00" +RF N25SGSXR	86J	6.00"	0.35"	4.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	B	
	RF β-CAT40AD-SGER25-8.00" +RF N25SGSXR	86J	8.00"	0.35"	6.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.60	B	
	RF β-CAT40AD-SGER32-2.50" +RF N32SGSXR	86I	2.50"	-	1.75"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	
	RF β-CAT40AD-SGER32-4.00" +RF N32SGSXR	86L	4.00"	0.31"	2.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF β-CAT40AD-SGER32-6.00" +RF N32SGSXR	86L	6.00"	0.31"	4.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	B	
	RF β-CAT40AD-SGER32-8.00" +RF N32SGSXR	86L	8.00"	0.31"	6.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	2.80	B	
	RF β-CAT40AD-SGER40-3.00" +RF N40SGSXR	86I	3.00"	-	2.25"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.10	B	
	RF β-CAT40AD-SGER40-4.00" +RF N40SGSXR	86L	4.00"	0.31"	2.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF β-CAT40AD-SGER40-6.00" +RF N40SGSXR	86L	6.00"	0.31"	4.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.80	B	
	RF β-CAT40AD-SGER40-8.00" +RF N40SGSXR	86L	8.00"	0.31"	6.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.30	B	

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RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
 RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-CAT50AD-SGER16-2.50" +RF N16SGSXR	86I	2.50"	-	1.75"	-	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.50	C	
	RF β-CAT50AD-SGER16-4.00" +RF N16SGSXR	86J	4.00"	0.35"	2.90"	-	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.90	C	
	RF β-CAT50AD-SGER16-6.00" +RF N16SGSXR	86K	6.00"	0.35"	4.90"	3.00"	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	3.40	C	
	RF β-CAT50AD-SGER16-8.00" +RF N16SGSXR	86K	8.00"	0.35"	6.90"	3.00"	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
	RF β-CAT50AD-SGER20-2.50" +RF N20SGSXR	86I	2.50"	-	1.75"	-	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	2.60	C	
	RF β-CAT50AD-SGER20-4.00" +RF N20SGSXR	86J	4.00"	0.35"	2.90"	-	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	3.00	C	
	RF β-CAT50AD-SGER20-6.00" +RF N20SGSXR	86K	6.00"	0.35"	4.90"	3.00"	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	3.50	C	
	RF β-CAT50AD-SGER20-8.00" +RF N20SGSXR	86K	8.00"	0.35"	6.90"	3.00"	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
	RF β-CAT50AD-SGER25-2.50" +RF N25SGSXR	86I	2.50"	-	1.75"	-	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.80	C	
	RF β-CAT50AD-SGER25-4.00" +RF N25SGSXR	86J	4.00"	0.35"	2.90"	-	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	3.20	C	
	RF β-CAT50AD-SGER25-6.00" +RF N25SGSXR	86K	6.00"	0.35"	4.90"	3.00"	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	3.70	C	
	RF β-CAT50AD-SGER25-8.00" +RF N25SGSXR	86K	8.00"	0.35"	6.90"	3.00"	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
	RF β-CAT50AD-SGER32-2.50" +RF N32SGSXR	86I	2.50"	-	1.75"	-	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.10	C	
	RF β-CAT50AD-SGER32-4.00" +RF N32SGSXR	86J	4.00"	0.35"	2.90"	-	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.40	C	
	RF β-CAT50AD-SGER32-6.00" +RF N32SGSXR	86K	6.00"	0.35"	4.90"	3.00"	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.90	C	
	RF β-CAT50AD-SGER32-8.00" +RF N32SGSXR	86K	8.00"	0.35"	6.90"	3.00"	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
	RF β-CAT50AD-SGER40-3.00" +RF N40SGSXR	86I	3.00"	-	2.25"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
	RF β-CAT50AD-SGER40-4.00" +RF N40SGSXR	86J	4.00"	0.35"	2.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	C	
	RF β-CAT50AD-SGER40-6.00" +RF N40SGSXR	86J	6.00"	0.35"	4.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	4.70	C	
	RF β-CAT50AD-SGER40-8.00" +RF N40SGSXR	86J	8.00"	0.35"	6.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	5.40	C	

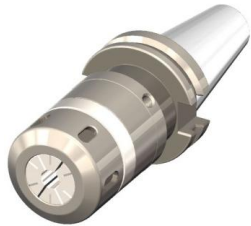
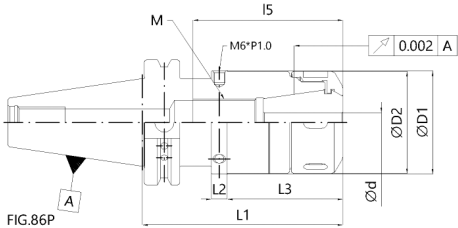
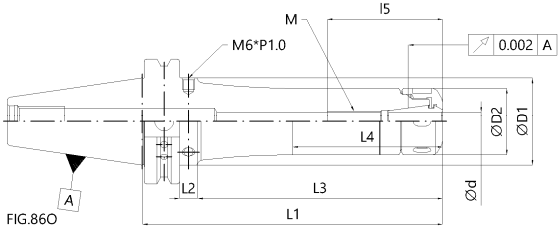
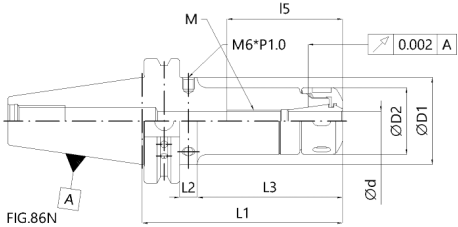
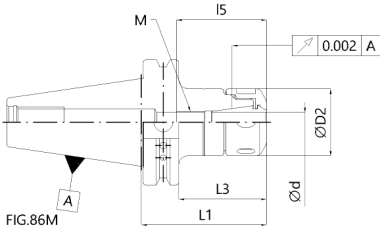
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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-CAT40AD-SGER16-2.50" +RF N16SGSX	86M	2.50"	-	1.75"	-	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	RF β-CAT40AD-SGER16-4.00" +RF N16SGSX	86N	4.00"	0.35"	2.90"	-	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF β-CAT40AD-SGER16-6.00" +RF N16SGSX	86O	6.00"	0.35"	4.90"	3.00"	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	B	
	RF β-CAT40AD-SGER16-8.00" +RF N16SGSX	86O	8.00"	0.35"	6.90"	3.00"	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.30	B	
	RF β-CAT40AD-SGER20-2.50" +RF N20SGSX	86M	2.50"	-	1.75"	-	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
	RF β-CAT40AD-SGER20-4.00" +RF N20SGSX	86N	4.00"	0.35"	2.90"	-	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF β-CAT40AD-SGER20-6.00" +RF N20SGSX	86O	6.00"	0.35"	4.90"	3.00"	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	B	
	RF β-CAT40AD-SGER20-8.00" +RF N20SGSX	86O	8.00"	0.35"	6.90"	3.00"	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	2.40	B	
	RF β-CAT40AD-SGER25-2.50" +RF N25SGSX	86M	2.50"	-	1.75"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	RF β-CAT40AD-SGER25-4.00" +RF N25SGSX	86N	4.00"	0.35"	2.90"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF β-CAT40AD-SGER25-6.00" +RF N25SGSX	86N	6.00"	0.35"	4.90"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	B	
	RF β-CAT40AD-SGER25-8.00" +RF N25SGSX	86N	8.00"	0.35"	6.90"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	2.60	B	
	RF β-CAT40AD-SGER32-2.50" +RF N32SGSX	86M	2.50"	-	1.75"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	
	RF β-CAT40AD-SGER32-4.00" +RF N32SGSX	86P	4.00"	0.31"	2.90"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF β-CAT40AD-SGER32-6.00" +RF N32SGSX	86P	6.00"	0.31"	4.90"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	B	
	RF β-CAT40AD-SGER32-8.00" +RF N32SGSX	86P	8.00"	0.31"	6.90"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	2.80	B	
	RF β-CAT40AD-SGER40-3.00" +RF N40SGSX	86M	3.00"	-	2.25"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	2.10	B	
	RF β-CAT40AD-SGER40-4.00" +RF N40SGSX	86P	4.00"	0.31"	2.90"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF β-CAT40AD-SGER40-6.00" +RF N40SGSX	86P	6.00"	0.31"	4.90"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	2.80	B	
	RF β-CAT40AD-SGER40-8.00" +RF N40SGSX	86P	8.00"	0.31"	6.90"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.30	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // RF β-CAT-SGER+RF NSGSX

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
 RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF β-CAT50AD-SGER16-2.50" +RF N16SGSX	86M	2.50"	-	1.75"	-	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.50	C	
	RF β-CAT50AD-SGER16-4.00" +RF N16SGSX	86N	4.00"	0.35"	2.90"	-	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.90	C	
	RF β-CAT50AD-SGER16-6.00" +RF N16SGSX	86O	6.00"	0.35"	4.90"	3.00"	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	3.40	C	
	RF β-CAT50AD-SGER16-8.00" +RF N16SGSX	86O	8.00"	0.35"	6.90"	3.00"	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
	RF β-CAT50AD-SGER20-2.50" +RF N20SGSX	86M	2.50"	-	1.75"	-	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	2.60	C	
	RF β-CAT50AD-SGER20-4.00" +RF N20SGSX	86N	4.00"	0.35"	2.90"	-	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	3.00	C	
	RF β-CAT50AD-SGER20-6.00" +RF N20SGSX	86O	6.00"	0.35"	4.90"	3.00"	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	3.50	C	
	RF β-CAT50AD-SGER20-8.00" +RF N20SGSX	86O	8.00"	0.35"	6.90"	3.00"	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
	RF β-CAT50AD-SGER25-2.50" +RF N25SGSX	86M	2.50"	-	1.75"	-	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	2.80	C	
	RF β-CAT50AD-SGER25-4.00" +RF N25SGSX	86N	4.00"	0.35"	2.90"	-	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	3.20	C	
	RF β-CAT50AD-SGER25-6.00" +RF N25SGSX	86O	6.00"	0.35"	4.90"	3.00"	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	3.70	C	
	RF β-CAT50AD-SGER25-8.00" +RF N25SGSX	86O	8.00"	0.35"	6.90"	3.00"	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
	RF β-CAT50AD-SGER32-2.50" +RF N32SGSX	86M	2.50"	-	1.75"	-	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.10	C	
	RF β-CAT50AD-SGER32-4.00" +RF N32SGSX	86N	4.00"	0.35"	2.90"	-	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.40	C	
	RF β-CAT50AD-SGER32-6.00" +RF N32SGSX	86O	6.00"	0.35"	4.90"	3.00"	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.90	C	
	RF β-CAT50AD-SGER32-8.00" +RF N32SGSX	86O	8.00"	0.35"	6.90"	3.00"	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
	RF β-CAT50AD-SGER40-3.00" +RF N40SGSX	86M	3.00"	-	2.25"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
	RF β-CAT50AD-SGER40-4.00" +RF N40SGSX	86N	4.00"	0.35"	2.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	C	
	RF β-CAT50AD-SGER40-6.00" +RF N40SGSX	86N	6.00"	0.35"	4.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	4.70	C	
	RF β-CAT50AD-SGER40-8.00" +RF N40SGSX	86N	8.00"	0.35"	6.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	5.40	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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // CAT

supERgrip SGER & ER // 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

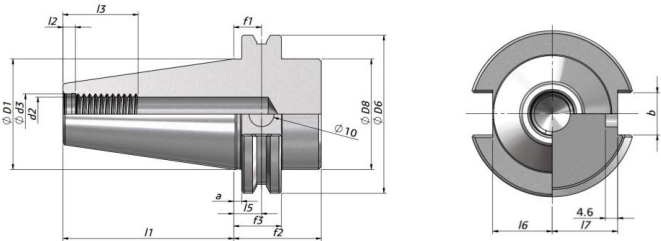
CAT是美國規範ANSI B5.50 7/24圓錐的代號
CAT**A是標準型刀柄
CAT**AD是標準型刀柄內帶中心貫穿冷卻孔
CAT**B是標準型刀柄法蘭端面帶冷卻孔
CAT**AD/B是標準型刀柄將兩種內冷卻方式整合

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

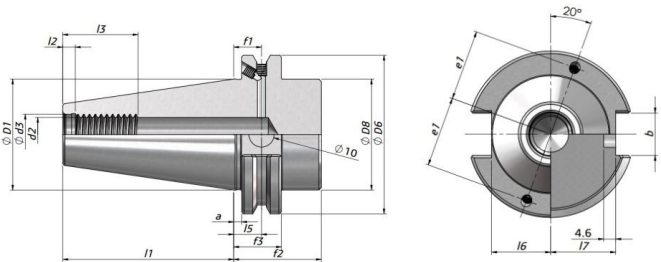
CAT刀柄上有一個IC晶片孔是山謙的生產標準品

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"

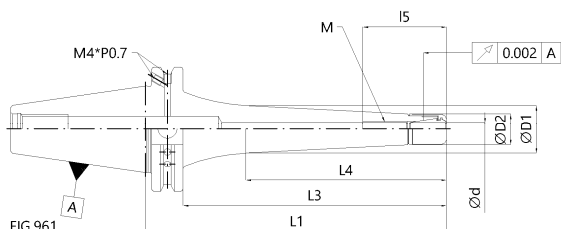
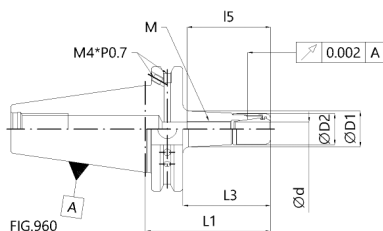


圓錐角度公差 // TAPER ANGLE TOLERANCE			
TAPER	#30 TAPER	#40 TAPER	#50 TAPER
AT1 (mm)	+0.00003"/+0.00005"	+0.00004"/+0.00006"	+0.00005"/+0.00008"
AT2 (mm)	+0.00005"/+0.00008"	+0.00006"/+0.00010"	+0.00008"/+0.00013"
AT3 (mm)	+0.00008"/+0.00013"	+0.00010"/+0.00016"	+0.00013"/+0.00020"
圓錐角度直線度公差 // TAPER ANGLE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

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
 supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT40AD/B-SGER11M-2.50" +RF N11SGMXR	960	2.50"	-	1.75"	-	1.54"	0.73"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	0.70	B	
	CAT40AD/B-SGER11M-4.00" +RF N11SGMXR	960	4.00"	-	3.25"	-	1.54"	0.88"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	B	
	CAT40AD/B-SGER11M-6.00" +RF N11SGMXR	961	6.00"	-	5.25"	4.00"	1.54"	0.96"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	1.60	B	
	CAT40AD/B-SGER16M-2.50" +RF N16SGMXR	960	2.50"	-	1.75"	-	1.81"	1.04"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	0.80	B	
	CAT40AD/B-SGER16M-4.00" +RF N16SGMXR	960	4.00"	-	3.25"	-	1.81"	1.19"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	B	
	CAT40AD/B-SGER16M-6.00" +RF N16SGMXR	961	6.00"	-	5.25"	4.00"	1.81"	1.27"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	1.70	B	
	CAT40AD/B-SGER20M-2.50" +RF N20SGMXR	960	2.50"	-	1.75"	-	2.01"	1.20"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	0.90	B	
	CAT40AD/B-SGER20M-4.00" +RF N20SGMXR	960	4.00"	-	3.25"	-	2.01"	1.35"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	B	
	CAT40AD/B-SGER20M-6.00" +RF N20SGMXR	961	6.00"	-	5.25"	4.00"	2.01"	1.43"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	1.80	B	
	CAT40AD/B-SGER25M-2.50" +RF N25SGMXR	960	2.50"	-	1.75"	-	2.09"	1.52"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	1.10	B	
	CAT40AD/B-SGER25M-4.00" +RF N25SGMXR	960	4.00"	-	3.25"	-	2.09"	1.67"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	B	
	CAT40AD/B-SGER25M-6.00" +RF N25SGMXR	960	6.00"	-	5.25"	-	2.09"	1.75"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	2.00	B	
	CAT40AD/B-SGER32M-2.50" +RF N32SGMXR	960	2.50"	-	1.75"	-	2.24"	1.75"	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	1.30	B	
	CAT40AD/B-SGER32M-4.00" +RF N32SGMXR	960	4.00"	-	3.25"	-	2.24"	1.75"	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	B	
	CAT40AD/B-SGER32M-6.00" +RF N32SGMXR	960	6.00"	-	5.25"	-	2.24"	1.75"	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	2.20	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT50AD/B-SGER11M-2.50" +RF N11SGMXR	960	2.50"	-	1.75"	-	1.54"	0.73"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	2.30	C	
	CAT50AD/B-SGER11M-4.00" +RF N11SGMXR	960	4.00"	-	3.25"	-	1.54"	0.88"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	2.70	C	
	CAT50AD/B-SGER11M-6.00" +RF N11SGMXR	961	6.00"	-	5.25"	4.00"	1.54"	0.96"	0.63"	RY0160	0.5~7.0	ER11	M8*P1.0	3.20	C	
	CAT50AD/B-SGER16M-2.50" +RF N16SGMXR	960	2.50"	-	1.75"	-	1.81"	1.04"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	2.40	C	
	CAT50AD/B-SGER16M-4.00" +RF N16SGMXR	960	4.00"	-	3.25"	-	1.81"	1.19"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	2.80	C	
	CAT50AD/B-SGER16M-6.00" +RF N16SGMXR	961	6.00"	-	5.25"	4.00"	1.81"	1.27"	0.94"	RY0240	0.5~10.0	ER16	M11*P1.0	3.30	C	
	CAT50AD/B-SGER20M-2.50" +RF N20SGMXR	960	2.50"	-	1.75"	-	2.01"	1.20"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	2.50	C	
	CAT50AD/B-SGER20M-4.00" +RF N20SGMXR	960	4.00"	-	3.25"	-	2.01"	1.35"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	2.90	C	
	CAT50AD/B-SGER20M-6.00" +RF N20SGMXR	961	6.00"	-	5.25"	4.00"	2.01"	1.43"	1.10"	RY0280	0.5~13.0	ER20	M14*P1.0	3.40	C	
	CAT50AD/B-SGER25M-2.50" +RF N25SGMXR	960	2.50"	-	1.75"	-	2.09"	1.52"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	2.70	C	
	CAT50AD/B-SGER25M-4.00" +RF N25SGMXR	960	4.00"	-	3.25"	-	2.09"	1.67"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	3.10	C	
	CAT50AD/B-SGER25M-6.00" +RF N25SGMXR	960	6.00"	-	5.25"	-	2.09"	1.87"	1.42"	RY0360	0.5~16.0	ER25	M18*P1.5	3.60	C	
	CAT50AD/B-SGER32M-2.50" +RF N32SGMXR	960	2.50"	-	1.75"	-	2.24"	1.83"	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	2.90	C	
	CAT50AD/B-SGER32M-4.00" +RF N32SGMXR	960	4.00"	-	3.25"	-	2.24"	1.98"	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	3.30	C	
	CAT50AD/B-SGER32M-6.00" +RF N32SGMXR	960	6.00"	-	5.25"	-	2.24"	2.18"	1.73"	RY0440	2.0~20.0	ER32	M24*P1.5	3.80	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

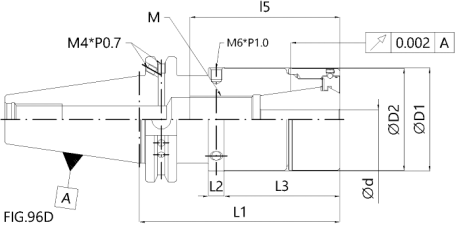
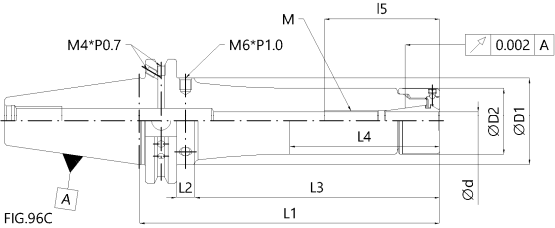
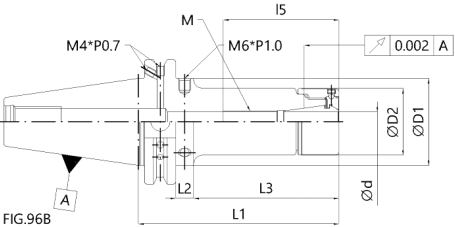
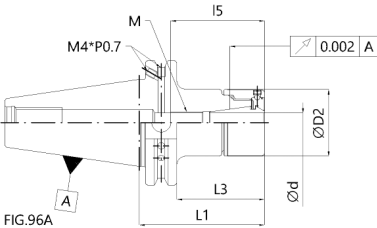
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // CAT-SGER+RF NSGXR nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT40AD/B-SGER16-2.50" +RF N16SGXR nano	96A	2.50"	-	1.75"	-	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	CAT40AD/B-SGER16-4.00" +RF N16SGXR nano	96B	4.00"	0.35"	2.90"	-	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	CAT40AD/B-SGER16-6.00" +RF N16SGXR nano	96C	6.00"	0.35"	4.90"	3.00"	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	B	
	CAT40AD/B-SGER16-8.00" +RF N16SGXR nano	96C	8.00"	0.35"	6.90"	3.00"	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.30	B	
	CAT40AD/B-SGER20-2.50" +RF N20SGXR nano	96A	2.50"	-	1.75"	-	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
	CAT40AD/B-SGER20-4.00" +RF N20SGXR nano	96B	4.00"	0.35"	2.90"	-	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	CAT40AD/B-SGER20-6.00" +RF N20SGXR nano	96C	6.00"	0.35"	4.90"	3.00"	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	B	
	CAT40AD/B-SGER20-8.00" +RF N20SGXR nano	96C	8.00"	0.35"	6.90"	3.00"	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	2.40	B	
	CAT40AD/B-SGER25-2.50" +RF N25SGXR nano	96A	2.50"	-	1.75"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	CAT40AD/B-SGER25-4.00" +RF N25SGXR nano	96B	4.00"	0.35"	2.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	CAT40AD/B-SGER25-6.00" +RF N25SGXR nano	96B	6.00"	0.35"	4.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	B	
	CAT40AD/B-SGER25-8.00" +RF N25SGXR nano	96B	8.00"	0.35"	6.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.60	B	
	CAT40AD/B-SGER32-2.50" +RF N32SGXR nano	96A	2.50"	-	1.75"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	
	CAT40AD/B-SGER32-4.00" +RF N32SGXR nano	96D	4.00"	0.31"	2.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	CAT40AD/B-SGER32-6.00" +RF N32SGXR nano	96D	6.00"	0.31"	4.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	B	
	CAT40AD/B-SGER32-8.00" +RF N32SGXR nano	96D	8.00"	0.31"	6.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	2.80	B	
	CAT40AD/B-SGER40-3.00" +RF N40SGXR nano	96A	3.00"	-	2.25"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.10	B	
	CAT40AD/B-SGER40-4.00" +RF N40SGXR nano	96D	4.00"	0.31"	2.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	CAT40AD/B-SGER40-6.00" +RF N40SGXR nano	96D	6.00"	0.31"	4.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.80	B	
	CAT40AD/B-SGER40-8.00" +RF N40SGXR nano	96D	8.00"	0.31"	6.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.30	B	

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supERgrip SGER強力型ER筒夾刀柄+全RF防鏽鍍層圓式高速平衡奈米鋼珠螺帽NSGXR
 supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT50AD/B-SGER16-2.50" +RF N16SGXR nano	96A	2.50"	-	1.75"	-	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.50	C	
	CAT50AD/B-SGER16-4.00" +RF N16SGXR nano	96B	4.00"	0.35"	2.90"	-	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.90	C	
	CAT50AD/B-SGER16-6.00" +RF N16SGXR nano	96C	6.00"	0.35"	4.90"	3.00"	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	3.40	C	
	CAT50AD/B-SGER16-8.00" +RF N16SGXR nano	96C	8.00"	0.35"	6.90"	3.00"	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
	CAT50AD/B-SGER20-2.50" +RF N20SGXR nano	96A	2.50"	-	1.75"	-	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	2.60	C	
	CAT50AD/B-SGER20-4.00" +RF N20SGXR nano	96B	4.00"	0.35"	2.90"	-	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	3.00	C	
	CAT50AD/B-SGER20-6.00" +RF N20SGXR nano	96C	6.00"	0.35"	4.90"	3.00"	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	3.50	C	
	CAT50AD/B-SGER20-8.00" +RF N20SGXR nano	96C	8.00"	0.35"	6.90"	3.00"	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
	CAT50AD/B-SGER25-2.50" +RF N25SGXR nano	96A	2.50"	-	1.75"	-	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.80	C	
	CAT50AD/B-SGER25-4.00" +RF N25SGXR nano	96B	4.00"	0.35"	2.90"	-	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	3.20	C	
	CAT50AD/B-SGER25-6.00" +RF N25SGXR nano	96C	6.00"	0.35"	4.90"	3.00"	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	3.70	C	
	CAT50AD/B-SGER25-8.00" +RF N25SGXR nano	96C	8.00"	0.35"	6.90"	3.00"	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
	CAT50AD/B-SGER32-2.50" +RF N32SGXR nano	96A	2.50"	-	1.75"	-	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.10	C	
	CAT50AD/B-SGER32-4.00" +RF N32SGXR nano	96B	4.00"	0.35"	2.90"	-	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.40	C	
	CAT50AD/B-SGER32-6.00" +RF N32SGXR nano	96C	6.00"	0.35"	4.90"	3.00"	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.90	C	
	CAT50AD/B-SGER32-8.00" +RF N32SGXR nano	96C	8.00"	0.35"	6.90"	3.00"	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
	CAT50AD/B-SGER40-3.00" +RF N40SGXR nano	96A	3.00"	-	2.25"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
	CAT50AD/B-SGER40-4.00" +RF N40SGXR nano	96B	4.00"	0.35"	2.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	C	
	CAT50AD/B-SGER40-6.00" +RF N40SGXR nano	96B	6.00"	0.35"	4.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	4.70	C	
	CAT50AD/B-SGER40-8.00" +RF N40SGXR nano	96B	8.00"	0.35"	6.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	5.40	C	

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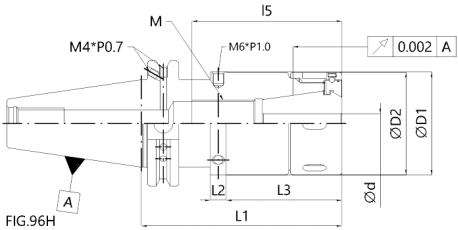
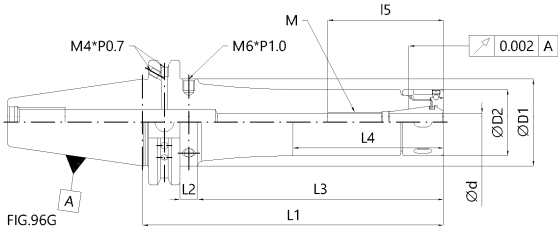
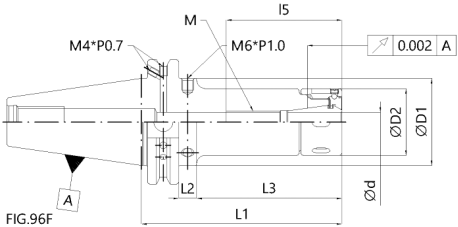
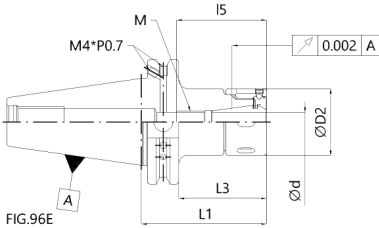
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supERgrip SGER & ER // CAT-SGER+RF NSGX nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT40AD/B-SGER16-2.50" +RF N16SGX nano	96E	2.50"	-	1.75"	-	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	CAT40AD/B-SGER16-4.00" +RF N16SGX nano	96F	4.00"	0.35"	2.90"	-	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	CAT40AD/B-SGER16-6.00" +RF N16SGX nano	96G	6.00"	0.35"	4.90"	3.00"	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	B	
	CAT40AD/B-SGER16-8.00" +RF N16SGX nano	96G	8.00"	0.35"	6.90"	3.00"	1.81"	1.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.30	B	
	CAT40AD/B-SGER20-2.50" +RF N20SGX nano	96E	2.50"	-	1.75"	-	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
	CAT40AD/B-SGER20-4.00" +RF N20SGX nano	96F	4.00"	0.35"	2.90"	-	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	CAT40AD/B-SGER20-6.00" +RF N20SGX nano	96G	6.00"	0.35"	4.90"	3.00"	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	B	
	CAT40AD/B-SGER20-8.00" +RF N20SGX nano	96G	8.00"	0.35"	6.90"	3.00"	2.01"	1.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	2.40	B	
	CAT40AD/B-SGER25-2.50" +RF N25SGX nano	96E	2.50"	-	1.75"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	CAT40AD/B-SGER25-4.00" +RF N25SGX nano	96F	4.00"	0.35"	2.90"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	CAT40AD/B-SGER25-6.00" +RF N25SGX nano	96F	6.00"	0.35"	4.90"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	B	
	CAT40AD/B-SGER25-8.00" +RF N25SGX nano	96F	8.00"	0.35"	6.90"	-	2.09"	1.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	2.60	B	
	CAT40AD/B-SGER32-2.50" +RF N32SGX nano	96E	2.50"	-	1.75"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	
	CAT40AD/B-SGER32-4.00" +RF N32SGX nano	96H	4.00"	0.31"	2.90"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	CAT40AD/B-SGER32-6.00" +RF N32SGX nano	96H	6.00"	0.31"	4.90"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	B	
	CAT40AD/B-SGER32-8.00" +RF N32SGX nano	96H	8.00"	0.31"	6.90"	-	2.24"	2.06"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	2.80	B	
	CAT40AD/B-SGER40-3.00" +RF N40SGX nano	96E	3.00"	-	2.25"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	2.10	B	
	CAT40AD/B-SGER40-4.00" +RF N40SGX nano	96H	4.00"	0.31"	2.90"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	CAT40AD/B-SGER40-6.00" +RF N40SGX nano	96H	6.00"	0.31"	4.90"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	2.80	B	
	CAT40AD/B-SGER40-8.00" +RF N40SGX nano	96H	8.00"	0.31"	6.90"	-	2.64"	2.46"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.30	B	

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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT50AD/B-SGER16-2.50" +RF N16SGX nano	96E	2.50"	-	1.75"	-	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.50	C	
	CAT50AD/B-SGER16-4.00" +RF N16SGX nano	96F	4.00"	0.35"	2.90"	-	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.90	C	
	CAT50AD/B-SGER16-6.00" +RF N16SGX nano	96G	6.00"	0.35"	4.90"	3.00"	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	3.40	C	
	CAT50AD/B-SGER16-8.00" +RF N16SGX nano	96G	8.00"	0.35"	6.90"	3.00"	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
	CAT50AD/B-SGER20-2.50" +RF N20SGX nano	96E	2.50"	-	1.75"	-	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	2.60	C	
	CAT50AD/B-SGER20-4.00" +RF N20SGX nano	96F	4.00"	0.35"	2.90"	-	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	3.00	C	
	CAT50AD/B-SGER20-6.00" +RF N20SGX nano	96G	6.00"	0.35"	4.90"	3.00"	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	3.50	C	
	CAT50AD/B-SGER20-8.00" +RF N20SGX nano	96G	8.00"	0.35"	6.90"	3.00"	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
	CAT50AD/B-SGER25-2.50" +RF N25SGX nano	96E	2.50"	-	1.75"	-	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	2.80	C	
	CAT50AD/B-SGER25-4.00" +RF N25SGX nano	96F	4.00"	0.35"	2.90"	-	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	3.20	C	
	CAT50AD/B-SGER25-6.00" +RF N25SGX nano	96G	6.00"	0.35"	4.90"	3.00"	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	3.70	C	
	CAT50AD/B-SGER25-8.00" +RF N25SGX nano	96G	8.00"	0.35"	6.90"	3.00"	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
	CAT50AD/B-SGER32-2.50" +RF N32SGX nano	96E	2.50"	-	1.75"	-	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.10	C	
	CAT50AD/B-SGER32-4.00" +RF N32SGX nano	96F	4.00"	0.35"	2.90"	-	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.40	C	
	CAT50AD/B-SGER32-6.00" +RF N32SGX nano	96G	6.00"	0.35"	4.90"	3.00"	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.90	C	
	CAT50AD/B-SGER32-8.00" +RF N32SGX nano	96G	8.00"	0.35"	6.90"	3.00"	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
	CAT50AD/B-SGER40-3.00" +RF N40SGX nano	96E	3.00"	-	2.25"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
	CAT50AD/B-SGER40-4.00" +RF N40SGX nano	96F	4.00"	0.35"	2.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	C	
	CAT50AD/B-SGER40-6.00" +RF N40SGX nano	96F	6.00"	0.35"	4.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	4.70	C	
	CAT50AD/B-SGER40-8.00" +RF N40SGX nano	96F	8.00"	0.35"	6.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	5.40	C	

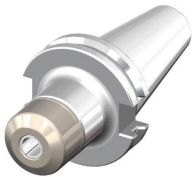
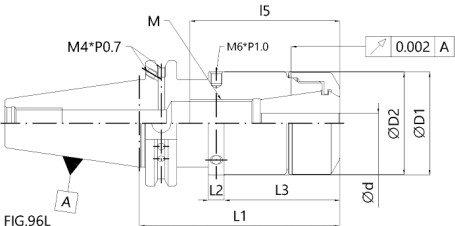
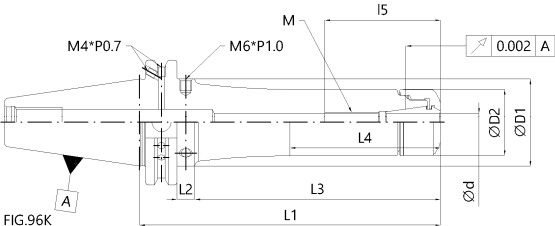
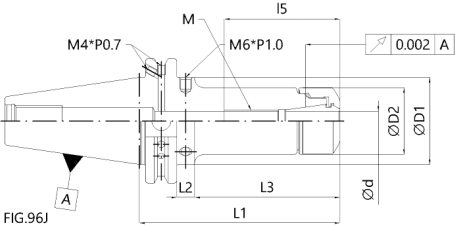
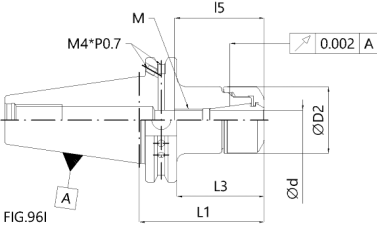
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supERgrip SGER & ER // CAT-SGER+RF NSGSXR

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT40AD/B-SGER16-2.50" +RF N16SGSXR	96I	2.50"	-	1.75"	-	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	CAT40AD/B-SGER16-4.00" +RF N16SGSXR	96J	4.00"	0.35"	2.90"	-	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	CAT40AD/B-SGER16-6.00" +RF N16SGSXR	96K	6.00"	0.35"	4.90"	3.00"	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	B	
	CAT40AD/B-SGER16-8.00" +RF N16SGSXR	96K	8.00"	0.35"	6.90"	3.00"	1.81"	1.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.30	B	
	CAT40AD/B-SGER20-2.50" +RF N20SGSXR	96I	2.50"	-	1.75"	-	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
	CAT40AD/B-SGER20-4.00" +RF N20SGSXR	96J	4.00"	0.35"	2.90"	-	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	CAT40AD/B-SGER20-6.00" +RF N20SGSXR	96K	6.00"	0.35"	4.90"	3.00"	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	B	
	CAT40AD/B-SGER20-8.00" +RF N20SGSXR	96K	8.00"	0.35"	6.90"	3.00"	2.01"	1.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	2.40	B	
	CAT40AD/B-SGER25-2.50" +RF N25SGSXR	96I	2.50"	-	1.75"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	CAT40AD/B-SGER25-4.00" +RF N25SGSXR	96J	4.00"	0.35"	2.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	CAT40AD/B-SGER25-6.00" +RF N25SGSXR	96J	6.00"	0.35"	4.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	B	
	CAT40AD/B-SGER25-8.00" +RF N25SGSXR	96J	8.00"	0.35"	6.90"	-	2.09"	1.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.60	B	
	CAT40AD/B-SGER32-2.50" +RF N32SGSXR	96I	2.50"	-	1.75"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	
	CAT40AD/B-SGER32-4.00" +RF N32SGSXR	96L	4.00"	0.31"	2.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	CAT40AD/B-SGER32-6.00" +RF N32SGSXR	96L	6.00"	0.31"	4.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	B	
	CAT40AD/B-SGER32-8.00" +RF N32SGSXR	96L	8.00"	0.31"	6.90"	-	2.24"	2.06"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	2.80	B	
	CAT40AD/B-SGER40-3.00" +RF N40SGSXR	96I	3.00"	-	2.25"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.10	B	
	CAT40AD/B-SGER40-4.00" +RF N40SGSXR	96L	4.00"	0.31"	2.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	CAT40AD/B-SGER40-6.00" +RF N40SGSXR	96L	6.00"	0.31"	4.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	2.80	B	
	CAT40AD/B-SGER40-8.00" +RF N40SGSXR	96L	8.00"	0.31"	6.90"	-	2.64"	2.46"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.30	B	

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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT50AD/B-SGER16-2.50" +RF N16SGSXR	96I	2.50"	-	1.75"	-	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.50	C	
	CAT50AD/B-SGER16-4.00" +RF N16SGSXR	96J	4.00"	0.35"	2.90"	-	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	2.90	C	
	CAT50AD/B-SGER16-6.00" +RF N16SGSXR	96K	6.00"	0.35"	4.90"	3.00"	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	3.40	C	
	CAT50AD/B-SGER16-8.00" +RF N16SGSXR	96K	8.00"	0.35"	6.90"	3.00"	1.81"	2.75"	1.34"	RY0340	0.5~10.0	ER16	M11*P1.0	3.90	C	
	CAT50AD/B-SGER20-2.50" +RF N20SGSXR	96I	2.50"	-	1.75"	-	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	2.60	C	
	CAT50AD/B-SGER20-4.00" +RF N20SGSXR	96J	4.00"	0.35"	2.90"	-	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	3.00	C	
	CAT50AD/B-SGER20-6.00" +RF N20SGSXR	96K	6.00"	0.35"	4.90"	3.00"	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	3.50	C	
	CAT50AD/B-SGER20-8.00" +RF N20SGSXR	96K	8.00"	0.35"	6.90"	3.00"	2.01"	2.75"	1.50"	RY0380	0.5~13.0	ER20	M14*P1.0	4.00	C	
	CAT50AD/B-SGER25-2.50" +RF N25SGSXR	96I	2.50"	-	1.75"	-	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	2.80	C	
	CAT50AD/B-SGER25-4.00" +RF N25SGSXR	96J	4.00"	0.35"	2.90"	-	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	3.20	C	
	CAT50AD/B-SGER25-6.00" +RF N25SGSXR	96K	6.00"	0.35"	4.90"	3.00"	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	3.70	C	
	CAT50AD/B-SGER25-8.00" +RF N25SGSXR	96K	8.00"	0.35"	6.90"	3.00"	2.09"	2.75"	1.73"	RY0440	0.5~16.0	ER25	M18*P1.5	4.40	C	
	CAT50AD/B-SGER32-2.50" +RF N32SGSXR	96I	2.50"	-	1.75"	-	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.10	C	
	CAT50AD/B-SGER32-4.00" +RF N32SGSXR	96J	4.00"	0.35"	2.90"	-	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.40	C	
	CAT50AD/B-SGER32-6.00" +RF N32SGSXR	96K	6.00"	0.35"	4.90"	3.00"	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	3.90	C	
	CAT50AD/B-SGER32-8.00" +RF N32SGSXR	96K	8.00"	0.35"	6.90"	3.00"	2.24"	2.75"	2.05"	RY0520	2.0~20.0	ER32	M24*P1.5	4.40	C	
	CAT50AD/B-SGER40-3.00" +RF N40SGSXR	96I	3.00"	-	2.25"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
	CAT50AD/B-SGER40-4.00" +RF N40SGSXR	96J	4.00"	0.35"	2.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	3.90	C	
	CAT50AD/B-SGER40-6.00" +RF N40SGSXR	96J	6.00"	0.35"	4.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	4.70	C	
	CAT50AD/B-SGER40-8.00" +RF N40SGSXR	96J	8.00"	0.35"	6.90"	-	2.64"	2.75"	2.44"	RY0620	3.0~26.0	ER40	M28*P1.5	5.40	C	

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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT50AD/B-SGER16-2.50" +RF N16SGSX	96M	2.50"	-	1.75"	-	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.50	C	
	CAT50AD/B-SGER16-4.00" +RF N16SGSX	96N	4.00"	0.35"	2.90"	-	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	2.90	C	
	CAT50AD/B-SGER16-6.00" +RF N16SGSX	96O	6.00"	0.35"	4.90"	3.00"	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	3.40	C	
	CAT50AD/B-SGER16-8.00" +RF N16SGSX	96O	8.00"	0.35"	6.90"	3.00"	1.81"	2.75"	1.34"	YMK035	0.5~10.0	ER16	M11*P1.0	3.90	C	
	CAT50AD/B-SGER20-2.50" +RF N20SGSX	96M	2.50"	-	1.75"	-	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	2.60	C	
	CAT50AD/B-SGER20-4.00" +RF N20SGSX	96N	4.00"	0.35"	2.90"	-	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	3.00	C	
	CAT50AD/B-SGER20-6.00" +RF N20SGSX	96O	6.00"	0.35"	4.90"	3.00"	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	3.50	C	
	CAT50AD/B-SGER20-8.00" +RF N20SGSX	96O	8.00"	0.35"	6.90"	3.00"	2.01"	2.75"	1.50"	YMK040	0.5~13.0	ER20	M14*P1.0	4.00	C	
	CAT50AD/B-SGER25-2.50" +RF N25SGSX	96M	2.50"	-	1.75"	-	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	2.80	C	
	CAT50AD/B-SGER25-4.00" +RF N25SGSX	96N	4.00"	0.35"	2.90"	-	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	3.20	C	
	CAT50AD/B-SGER25-6.00" +RF N25SGSX	96O	6.00"	0.35"	4.90"	3.00"	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	3.70	C	
	CAT50AD/B-SGER25-8.00" +RF N25SGSX	96O	8.00"	0.35"	6.90"	3.00"	2.09"	2.75"	1.73"	YMK045	0.5~16.0	ER25	M18*P1.5	4.40	C	
	CAT50AD/B-SGER32-2.50" +RF N32SGSX	96M	2.50"	-	1.75"	-	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.10	C	
	CAT50AD/B-SGER32-4.00" +RF N32SGSX	96N	4.00"	0.35"	2.90"	-	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.40	C	
	CAT50AD/B-SGER32-6.00" +RF N32SGSX	96O	6.00"	0.35"	4.90"	3.00"	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	3.90	C	
	CAT50AD/B-SGER32-8.00" +RF N32SGSX	96O	8.00"	0.35"	6.90"	3.00"	2.24"	2.75"	2.05"	YMK050	2.0~20.0	ER32	M24*P1.5	4.40	C	
	CAT50AD/B-SGER40-3.00" +RF N40SGSX	96M	3.00"	-	2.25"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
	CAT50AD/B-SGER40-4.00" +RF N40SGSX	96N	4.00"	0.35"	2.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	3.90	C	
	CAT50AD/B-SGER40-6.00" +RF N40SGSX	96N	6.00"	0.35"	4.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	4.70	C	
	CAT50AD/B-SGER40-8.00" +RF N40SGSX	96N	8.00"	0.35"	6.90"	-	2.64"	2.75"	2.44"	YMK060	3.0~26.0	ER40	M28*P1.5	5.40	C	

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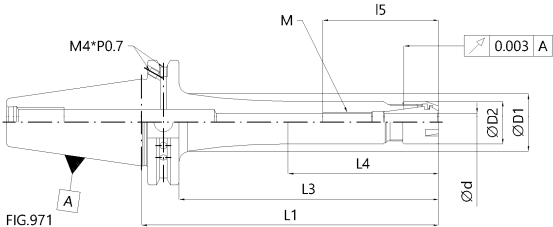
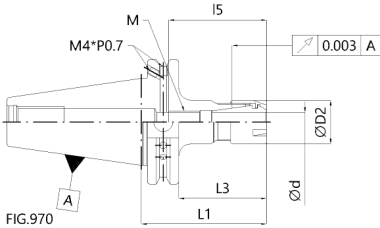
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // CAT-ER+RF NMX

Mini細型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NMX

Mini slim ER collet chucks+RF rustproof coating balanced nut NMX



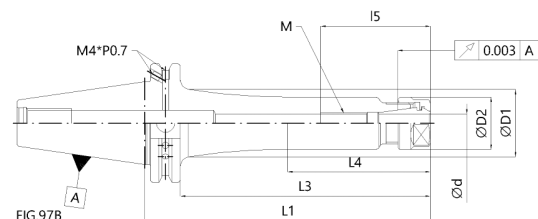
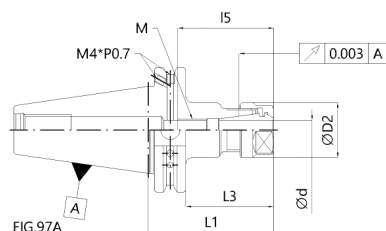
動平衡G2.5/25,000RPM可以另外施作 // BALANCE TO G2.5/25,000RPM IS AVAILABLE ON REQUEST

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT40AD/B-ER11M-2.50" +RF N11MX	970	2.50"	-	1.75"	-	1.54"	-	0.63"	ER11M	0.5~7.0	ER11	M8*P1.0	0.70	D	
	CAT40AD/B-ER11M-4.00" +RF N11MX	970	4.00"	-	3.25"	-	1.54"	-	0.63"	ER11M	0.5~7.0	ER11	M8*P1.0	1.10	D	
	CAT40AD/B-ER11M-6.00" +RF N11MX	970	6.00"	-	5.25"	-	1.54"	-	0.63"	ER11M	0.5~7.0	ER11	M8*P1.0	1.60	D	
	CAT40AD/B-ER11M-8.00" +RF N11MX	970	8.00"	-	7.25"	-	1.54"	-	0.63"	ER11M	0.5~7.0	ER11	M8*P1.0	2.10	D	
	CAT40AD/B-ER16M-2.50" +RF N16MX	970	2.50"	-	1.75"	-	1.81"	-	0.87"	ER16M	0.5~10.0	ER16	M11*P1.0	0.80	D	
	CAT40AD/B-ER16M-4.00" +RF N16MX	970	4.00"	-	3.25"	-	1.81"	-	0.87"	ER16M	0.5~10.0	ER16	M11*P1.0	1.20	D	
	CAT40AD/B-ER16M-6.00" +RF N16MX	971	6.00"	-	5.25"	3.00"	1.81"	1.42"	0.87"	ER16M	0.5~10.0	ER16	M11*P1.0	1.70	D	
	CAT40AD/B-ER16M-8.00" +RF N16MX	971	8.00"	-	7.25"	3.00"	1.81"	1.42"	0.87"	ER16M	0.5~10.0	ER16	M11*P1.0	2.20	D	
	CAT40AD/B-ER20M-2.50" +RF N20MX	970	2.50"	-	1.75"	-	2.01"	-	1.10"	ER20M	0.5~13.0	ER20	M14*P1.0	0.90	D	
	CAT40AD/B-ER20M-4.00" +RF N20MX	970	4.00"	-	3.25"	-	2.01"	-	1.10"	ER20M	0.5~13.0	ER20	M14*P1.0	1.30	D	
	CAT40AD/B-ER20M-6.00" +RF N20MX	971	6.00"	-	5.25"	3.00"	2.01"	1.65"	1.10"	ER20M	0.5~13.0	ER20	M14*P1.0	1.80	D	
	CAT40AD/B-ER20M-8.00" +RF N20MX	971	8.00"	-	7.25"	3.00"	2.01"	1.65"	1.10"	ER20M	0.5~13.0	ER20	M14*P1.0	2.30	D	
	CAT40AD/B-ER25M-2.50" +RF N25MX	970	2.50"	-	1.75"	-	2.01"	-	1.38"	ER25M	0.5~16.0	ER25	M18*P1.5	1.10	D	
	CAT40AD/B-ER25M-4.00" +RF N25MX	970	4.00"	-	3.25"	-	2.09"	-	1.38"	ER25M	0.5~16.0	ER25	M18*P1.5	1.50	D	
	CAT40AD/B-ER25M-6.00" +RF N25MX	971	6.00"	-	5.25"	3.00"	2.09"	1.75"	1.38"	ER25M	0.5~16.0	ER25	M18*P1.5	2.00	D	
	CAT40AD/B-ER25M-8.00" +RF N25MX	971	8.00"	-	7.25"	3.00"	2.09"	1.75"	1.38"	ER25M	0.5~16.0	ER25	M18*P1.5	2.50	D	

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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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	CAT40AD/B-ER16-2.50" +RF N16SX	97A	2.50"	-	1.75"	-	1.81"	-	1.10"	ER16	0.5~10.0	ER16	M11*P1.0	0.90	D	
	CAT40AD/B-ER16-4.00" +RF N16SX	97A	4.00"	-	3.25"	-	1.81"	-	1.10"	ER16	0.5~10.0	ER16	M11*P1.0	1.30	D	
	CAT40AD/B-ER16-6.00" +RF N16SX	97B	6.00"	-	5.25"	3.00"	1.81"	1.42"	1.10"	ER16	0.5~10.0	ER16	M11*P1.0	1.80	D	
	CAT40AD/B-ER16-8.00" +RF N16SX	97B	8.00"	-	7.25"	5.00"	1.81"	1.42"	1.10"	ER16	0.5~10.0	ER16	M11*P1.0	2.30	D	
	CAT40AD/B-ER20-2.50" +RF N20SX	97A	2.50"	-	1.75"	-	2.01"	-	1.33"	ER20	0.5~13.0	ER20	M14*P1.0	1.00	D	
	CAT40AD/B-ER20-4.00" +RF N20SX	97A	4.00"	-	3.25"	-	2.01"	-	1.33"	ER20	0.5~13.0	ER20	M14*P1.0	1.40	D	
	CAT40AD/B-ER20-6.00" +RF N20SX	97B	6.00"	-	5.25"	3.00"	2.01"	1.65"	1.33"	ER20	0.5~13.0	ER20	M14*P1.0	1.90	D	
	CAT40AD/B-ER20-8.00" +RF N20SX	97B	8.00"	-	7.25"	5.00"	2.01"	1.65"	1.33"	ER20	0.5~13.0	ER20	M14*P1.0	2.40	D	
	CAT40AD/B-ER25-2.50" +RF N25SX	97A	2.50"	-	1.75"	-	2.09"	-	1.65"	YMK040	0.5~16.0	ER25	M18*P1.5	1.20	D	
	CAT40AD/B-ER25-4.00" +RF N25SX	97A	4.00"	-	3.25"	-	2.09"	-	1.65"	YMK040	0.5~16.0	ER25	M18*P1.5	1.60	D	
	CAT40AD/B-ER25-6.00" +RF N25SX	97A	6.00"	-	5.25"	-	2.09"	-	1.65"	YMK040	0.5~16.0	ER25	M18*P1.5	2.10	D	
	CAT40AD/B-ER25-8.00" +RF N25SX	97A	8.00"	-	7.25"	-	2.09"	-	1.65"	YMK040	0.5~16.0	ER25	M18*P1.5	2.60	D	
	CAT40AD/B-ER32-2.50" +RF N32SX	97A	2.50"	-	1.75"	-	2.24"	-	1.96"	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	D	
	CAT40AD/B-ER32-4.00" +RF N32SX	97A	4.00"	-	3.25"	-	2.24"	-	1.96"	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	D	
	CAT40AD/B-ER32-6.00" +RF N32SX	97A	6.00"	-	5.25"	-	2.24"	-	1.96"	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	D	
	CAT40AD/B-ER32-8.00" +RF N32SX	97A	8.00"	-	7.25"	-	2.24"	-	1.96"	YMK050	2.0~20.0	ER32	M24*P1.5	2.80	D	
	CAT40AD/B-ER40-2.50" +RF N40SX	97A	2.50"	-	1.75"	-	2.64"	-	2.48"	YMK060	3.0~26.0	ER40	M28*P1.5	1.80	D	
	CAT40AD/B-ER40-4.00" +RF N40SX	97A	4.00"	-	3.25"	-	2.64"	-	2.48"	YMK060	3.0~26.0	ER40	M28*P1.5	2.60	D	
	CAT40AD/B-ER40-6.00" +RF N40SX	97A	6.00"	-	5.25"	-	2.64"	-	2.48"	YMK060	3.0~26.0	ER40	M28*P1.5	3.10	D	
	CAT40AD/B-ER40-8.00" +RF N40SX	97A	8.00"	-	7.25"	-	2.64"	-	2.48"	YMK060	3.0~26.0	ER40	M28*P1.5	3.80	D	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

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

supERgrip SGER & ER // HSK-A

supERgrip SGER & ER // HSK-A

HSK is hollow shank short taper toolholder

HSK是中空短圓錐刀柄

It was developed by Aachen University in Germany in 1991

始於1991年德國阿亨大學開發

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

1993年成為德國規範DIN69893-1~6:1993

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

共有A, B, C, D, E & F六種錐度形式

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

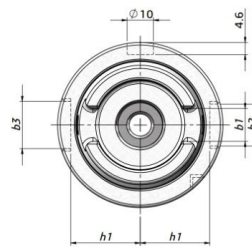
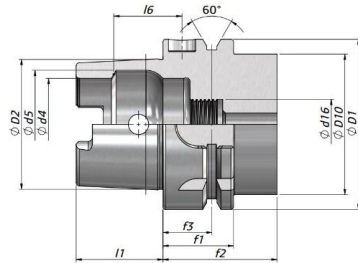
2001年成為ISO規範ISO12164-1:2001

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

並將原本1/10的錐度改為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

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

日本於2001年公佈HSK-ICTM

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

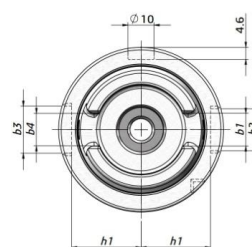
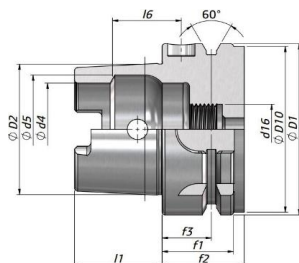
規範車銑複合機使用的刀柄

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

ISO在2008年將其納入規範ISO12164-4:2008

It is called HSK-T toolholders

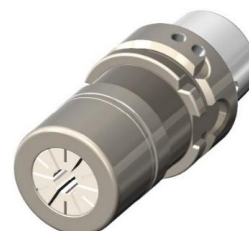
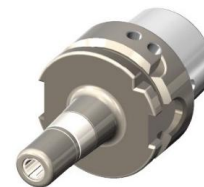
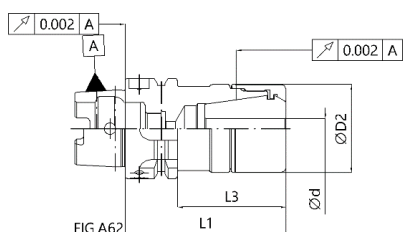
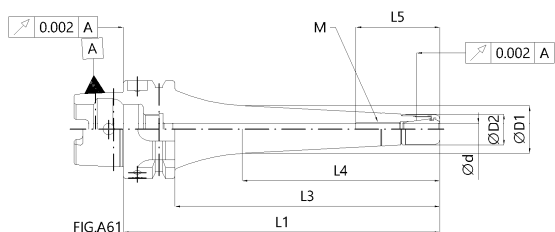
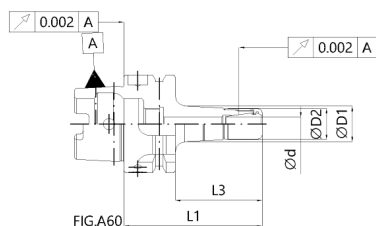
稱為HSK-T刀柄



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

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A032-SGER11M-050 +RF N11SGMXR	A60	50	-	30	-	-	17	16	RY0160	0.5~7.0	ER11	-	0.10	B	
○	RF HSK-A032-SGER11M-070 +RF N11SGMXR	A60	70	-	50	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.30	B	
○	RF HSK-A032-SGER11M-100 +RF N11SGMXR	A60	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
○	RF HSK-A032-SGER16M-050 +RF N16SGMXR	A60	50	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.20	B	
○	RF HSK-A032-SGER16M-070 +RF N16SGMXR	A60	70	-	50	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.40	B	
○	RF HSK-A032-SGER16M-100 +RF N16SGMXR	A60	100	-	80	-	46	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.70	B	
○	RF HSK-A032-SGER20M-070 +RF N20SGMXR	A62	70	-	50	-	-	-	28	RY0280	0.5~13.0	ER20	-	0.50	B	
○	RF HSK-A032-SGER20M-100 +RF N20SGMXR	A62	100	-	80	-	51	-	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.80	B	
○	RF HSK-A032-SGER25M-070 +RF N25SGMXR	A62	70	-	50	-	-	-	36	RY0360	0.5~16.0	ER25	-	0.70	B	
○	RF HSK-A032-SGER25M-100 +RF N25SGMXR	A62	100	-	80	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A040-SGER11M-050 +RF N11SGMXR	A60	50	-	30	-	-	17	16	RY0160	0.5~7.0	ER11	-	0.20	B	
○	RF HSK-A040-SGER11M-070 +RF N11SGMXR	A60	70	-	50	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	B	
○	RF HSK-A040-SGER11M-100 +RF N11SGMXR	A60	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.70	B	
○	RF HSK-A040-SGER16M-050 +RF N16SGMXR	A60	50	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.30	B	
○	RF HSK-A040-SGER16M-070 +RF N16SGMXR	A60	70	-	50	-	-	27	24	RY0240	0.5~10.0	ER16	-	0.50	B	
○	RF HSK-A040-SGER16M-100 +RF N16SGMXR	A60	100	-	80	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.80	B	
○	RF HSK-A040-SGER20M-070 +RF N20SGMXR	A60	70	-	50	-	-	31	28	RY0280	0.5~13.0	ER20	-	0.60	B	
○	RF HSK-A040-SGER20M-100 +RF N20SGMXR	A60	100	-	80	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.90	B	
○	RF HSK-A040-SGER25M-070 +RF N25SGMXR	A62	70	-	50	-	-	-	36	RY0360	0.5~16.0	ER25	-	0.80	B	
○	RF HSK-A040-SGER25M-100 +RF N25SGMXR	A62	100	-	80	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.10	B	
○	RF HSK-A040-SGER32M-070 +RF N32SGMXR	A62	70	-	50	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.00	B	
○	RF HSK-A040-SGER32M-100 +RF N32SGMXR	A62	100	-	80	-	55	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.30	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-A-SGER+RF NSGMXR

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A050-SGER11M-070 +RF N11SGMXR	A60	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.50	B	
○	RF HSK-A050-SGER11M-100 +RF N11SGMXR	A60	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
○	RF HSK-A050-SGER11M-120 +RF N11SGMXR	A60	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.00	B	
○	RF HSK-A050-SGER11M-160 +RF N11SGMXR	A61	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	B	
○	RF HSK-A050-SGER16M-070 +RF N16SGMXR	A60	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.60	B	
○	RF HSK-A050-SGER16M-100 +RF N16SGMXR	A60	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
○	RF HSK-A050-SGER16M-120 +RF N16SGMXR	A60	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.10	B	
○	RF HSK-A050-SGER16M-160 +RF N16SGMXR	A61	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.50	B	
○	RF HSK-A050-SGER20M-070 +RF N20SGMXR	A60	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.70	B	
○	RF HSK-A050-SGER20M-100 +RF N20SGMXR	A60	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
○	RF HSK-A050-SGER20M-120 +RF N20SGMXR	A60	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.20	B	
○	RF HSK-A050-SGER20M-160 +RF N20SGMXR	A61	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.60	B	
○	RF HSK-A050-SGER25M-080 +RF N25SGMXR	A60	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.00	B	
○	RF HSK-A050-SGER25M-100 +RF N25SGMXR	A60	100	-	74	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
○	RF HSK-A050-SGER25M-120 +RF N25SGMXR	A60	120	-	94	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.40	B	
○	RF HSK-A050-SGER25M-160 +RF N25SGMXR	A60	160	-	134	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.80	B	
○	RF HSK-A050-SGER32M-080 +RF N32SGMXR	A62	80	-	54	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.20	B	
○	RF HSK-A050-SGER32M-100 +RF N32SGMXR	A62	100	-	74	-	51	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	
○	RF HSK-A050-SGER32M-120 +RF N32SGMXR	A62	120	-	94	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.60	B	
○	RF HSK-A050-SGER32M-160 +RF N32SGMXR	A62	160	-	134	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-A063-SGER11M-070 +RF N11SGMXR	A60	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
◎	RF HSK-A063-SGER11M-100 +RF N11SGMXR	A60	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	B	
◎	RF HSK-A063-SGER11M-120 +RF N11SGMXR	A60	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	B	
◎	RF HSK-A063-SGER11M-160 +RF N11SGMXR	A61	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.50	B	
◎	RF HSK-A063-SGER16M-070 +RF N16SGMXR	A60	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.70	B	
◎	RF HSK-A063-SGER16M-100 +RF N16SGMXR	A60	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	B	
◎	RF HSK-A063-SGER16M-120 +RF N16SGMXR	A60	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	B	
◎	RF HSK-A063-SGER16M-160 +RF N16SGMXR	A61	160	-	134	100	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF HSK-A063-SGER20M-070 +RF N20SGMXR	A60	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.80	B	
◎	RF HSK-A063-SGER20M-100 +RF N20SGMXR	A60	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	B	
◎	RF HSK-A063-SGER20M-120 +RF N20SGMXR	A60	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	B	
◎	RF HSK-A063-SGER20M-160 +RF N20SGMXR	A61	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.70	B	
○	RF HSK-A063-SGER25M-080 +RF N25SGMXR	A60	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.10	B	
○	RF HSK-A063-SGER25M-100 +RF N25SGMXR	A60	100	-	74	-	51	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF HSK-A063-SGER25M-120 +RF N25SGMXR	A60	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF HSK-A063-SGER25M-160 +RF N25SGMXR	A60	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.90	B	
○	RF HSK-A063-SGER32M-080 +RF N32SGMXR	A60	80	-	54	-	-	47	44	RY0440	2.0~20.0	ER32	-	1.30	B	
○	RF HSK-A063-SGER32M-100 +RF N32SGMXR	A60	100	-	74	-	49	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF HSK-A063-SGER32M-120 +RF N32SGMXR	A60	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF HSK-A063-SGER32M-160 +RF N32SGMXR	A60	160	-	134	-	57	52	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.10	B	

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RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-A080-SGER11M-100 +RF N11SGMXR	A60	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.60	C	
	RF HSK-A080-SGER11M-120 +RF N11SGMXR	A60	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.80	C	
	RF HSK-A080-SGER11M-160 +RF N11SGMXR	A61	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.20	C	
	RF HSK-A080-SGER16M-100 +RF N16SGMXR	A60	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.70	C	
	RF HSK-A080-SGER16M-120 +RF N16SGMXR	A60	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.90	C	
	RF HSK-A080-SGER16M-160 +RF N16SGMXR	A61	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.30	C	
	RF HSK-A080-SGER20M-100 +RF N20SGMXR	A60	100	-	74	-	48	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.80	C	
	RF HSK-A080-SGER20M-120 +RF N20SGMXR	A60	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.00	C	
	RF HSK-A080-SGER20M-160 +RF N20SGMXR	A61	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.40	C	
	RF HSK-A080-SGER25M-100 +RF N25SGMXR	A60	100	-	74	-	46	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.00	C	
	RF HSK-A080-SGER25M-120 +RF N25SGMXR	A60	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.20	C	
	RF HSK-A080-SGER25M-160 +RF N25SGMXR	A60	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.60	C	
	RF HSK-A080-SGER32M-100 +RF N32SGMXR	A60	100	-	74	-	44	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.20	C	
	RF HSK-A080-SGER32M-120 +RF N32SGMXR	A60	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.40	C	
	RF HSK-A080-SGER32M-160 +RF N32SGMXR	A60	160	-	134	-	57	55	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.80	C	
◎	RF HSK-A100-SGER11M-100 +RF N11SGMXR	A60	100	-	71	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.20	C	
◎	RF HSK-A100-SGER11M-120 +RF N11SGMXR	A60	120	-	91	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.40	C	
◎	RF HSK-A100-SGER11M-160 +RF N11SGMXR	A61	160	-	131	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.80	C	
◎	RF HSK-A100-SGER16M-100 +RF N16SGMXR	A60	100	-	71	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.30	C	
◎	RF HSK-A100-SGER16M-120 +RF N16SGMXR	A60	120	-	91	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.50	C	
◎	RF HSK-A100-SGER16M-160 +RF N16SGMXR	A61	160	-	131	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.90	C	
◎	RF HSK-A100-SGER20M-100 +RF N20SGMXR	A60	100	-	71	-	46	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.40	C	
◎	RF HSK-A100-SGER20M-120 +RF N20SGMXR	A60	120	-	91	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.60	C	
◎	RF HSK-A100-SGER20M-160 +RF N20SGMXR	A61	160	-	131	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	3.00	C	
○	RF HSK-A100-SGER25M-100 +RF N25SGMXR	A60	100	-	71	-	44	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.60	C	
○	RF HSK-A100-SGER25M-120 +RF N25SGMXR	A60	120	-	91	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.80	C	
○	RF HSK-A100-SGER25M-160 +RF N25SGMXR	A60	160	-	131	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	3.20	C	
○	RF HSK-A100-SGER32M-100 +RF N32SGMXR	A60	100	-	71	-	42	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.80	C	
○	RF HSK-A100-SGER32M-120 +RF N32SGMXR	A60	120	-	91	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	3.00	C	
○	RF HSK-A100-SGER32M-160 +RF N32SGMXR	A60	160	-	131	-	57	55	44	RY0440	2.0~20.0	ER32	M24*P1.5	3.40	C	

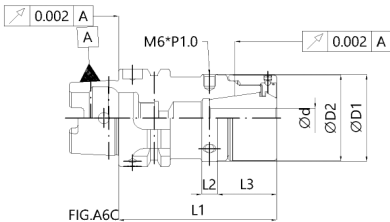
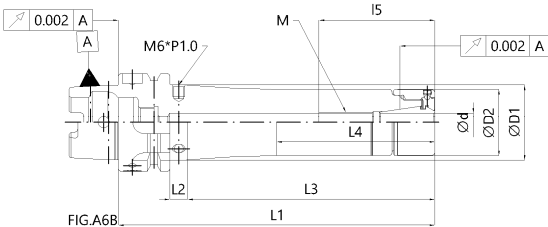
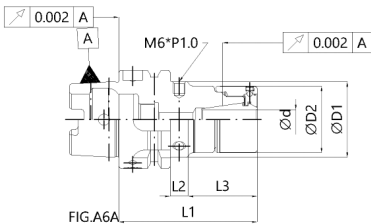
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supERgrip SGER & ER // RF HSK-A-SGER+RF NSGXR nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A032-SGER16-070 +RF N16SGXR nano	A6C	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.50	B	
○	RF HSK-A032-SGER16-100 +RF N16SGXR nano	A6C	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
○	RF HSK-A032-SGER20-070 +RF N20SGXR nano	A6C	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.60	B	
○	RF HSK-A032-SGER20-100 +RF N20SGXR nano	A6C	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
○	RF HSK-A032-SGER25-070 +RF N25SGXR nano	A6C	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.80	B	
○	RF HSK-A032-SGER25-100 +RF N25SGXR nano	A6C	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A040-SGER16-070 +RF N16SGXR nano	A6C	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
○	RF HSK-A040-SGER16-100 +RF N16SGXR nano	A6C	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
○	RF HSK-A040-SGER20-070 +RF N20SGXR nano	A6C	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
○	RF HSK-A040-SGER20-100 +RF N20SGXR nano	A6C	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
○	RF HSK-A040-SGER25-070 +RF N25SGXR nano	A6C	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
○	RF HSK-A040-SGER25-100 +RF N25SGXR nano	A6C	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
○	RF HSK-A040-SGER32-070 +RF N32SGXR nano	A6C	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
○	RF HSK-A040-SGER32-100 +RF N32SGXR nano	A6C	100	8	72	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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supERgrip SGER & ER // RF HSK-A-SGER+RF NSGXR nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A050-SGER16-070 +RF N16SGXR nano	A6A	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
○	RF HSK-A050-SGER16-100 +RF N16SGXR nano	A6A	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
○	RF HSK-A050-SGER16-120 +RF N16SGXR nano	A6A	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF HSK-A050-SGER16-160 +RF N16SGXR nano	A6B	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
○	RF HSK-A050-SGER20-070 +RF N20SGXR nano	A6A	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
○	RF HSK-A050-SGER20-100 +RF N20SGXR nano	A6A	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
○	RF HSK-A050-SGER20-120 +RF N20SGXR nano	A6A	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF HSK-A050-SGER20-160 +RF N20SGXR nano	A6B	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
○	RF HSK-A050-SGER25-080 +RF N25SGXR nano	A6C	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
○	RF HSK-A050-SGER25-100 +RF N25SGXR nano	A6C	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF HSK-A050-SGER25-120 +RF N25SGXR nano	A6C	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF HSK-A050-SGER25-160 +RF N25SGXR nano	A6C	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
○	RF HSK-A050-SGER32-080 +RF N32SGXR nano	A6C	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
○	RF HSK-A050-SGER32-100 +RF N32SGXR nano	A6C	100	8	50	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF HSK-A050-SGER32-120 +RF N32SGXR nano	A6C	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF HSK-A050-SGER32-160 +RF N32SGXR nano	A6C	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
○	RF HSK-A050-SGER40-080 +RF N40SGXR nano	A6C	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
○	RF HSK-A050-SGER40-100 +RF N40SGXR nano	A6C	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
○	RF HSK-A050-SGER40-120 +RF N40SGXR nano	A6C	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	RF HSK-A050-SGER40-160 +RF N40SGXR nano	A6C	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-A063-SGER16-070 +RF N16SGXR nano	A6A	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
◎	RF HSK-A063-SGER16-100 +RF N16SGXR nano	A6A	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	RF HSK-A063-SGER16-120 +RF N16SGXR nano	A6A	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
◎	RF HSK-A063-SGER16-160 +RF N16SGXR nano	A6B	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
◎	RF HSK-A063-SGER16-200 +RF N16SGXR nano	A6B	200	9	145	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.10	B	
◎	RF HSK-A063-SGER20-070 +RF N20SGXR nano	A6A	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
◎	RF HSK-A063-SGER20-100 +RF N20SGXR nano	A6A	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	RF HSK-A063-SGER20-120 +RF N20SGXR nano	A6A	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
◎	RF HSK-A063-SGER20-160 +RF N20SGXR nano	A6B	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
◎	RF HSK-A063-SGER20-200 +RF N20SGXR nano	A6B	200	9	145	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.20	B	
◎	RF HSK-A063-SGER25-080 +RF N25SGXR nano	A6A	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
◎	RF HSK-A063-SGER25-100 +RF N25SGXR nano	A6A	100	9	65	-	51	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	RF HSK-A063-SGER25-120 +RF N25SGXR nano	A6A	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
◎	RF HSK-A063-SGER25-160 +RF N25SGXR nano	A6B	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
◎	RF HSK-A063-SGER25-200 +RF N25SGXR nano	A6B	200	9	145	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.40	B	
◎	RF HSK-A063-SGER32-080 +RF N32SGXR nano	A6A	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
◎	RF HSK-A063-SGER32-100 +RF N32SGXR nano	A6A	100	9	65	-	49	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	RF HSK-A063-SGER32-120 +RF N32SGXR nano	A6A	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
◎	RF HSK-A063-SGER32-160 +RF N32SGXR nano	A6A	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
◎	RF HSK-A063-SGER32-200 +RF N32SGXR nano	A6A	200	9	145	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.60	B	
◎	RF HSK-A063-SGER40-080 +RF N40SGXR nano	A6C	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
◎	RF HSK-A063-SGER40-100 +RF N40SGXR nano	A6C	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
◎	RF HSK-A063-SGER40-120 +RF N40SGXR nano	A6C	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	RF HSK-A063-SGER40-160 +RF N40SGXR nano	A6C	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	
◎	RF HSK-A063-SGER40-200 +RF N40SGXR nano	A6C	200	8	150	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-A-SGER+RF NSGXR nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

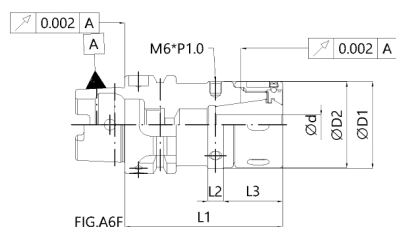
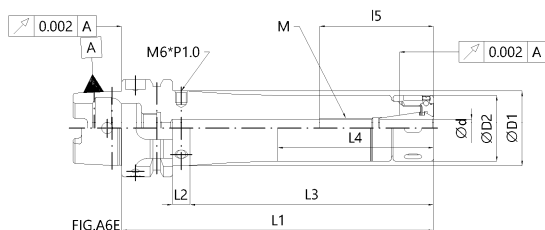
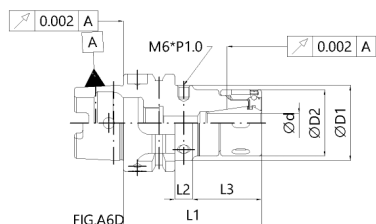
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-A080-SGER16-100 +RF N16SGXR nano	A6A	100	9	65	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	C	
	RF HSK-A080-SGER16-120 +RF N16SGXR nano	A6A	120	9	85	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	C	
	RF HSK-A080-SGER16-160 +RF N16SGXR nano	A6B	160	9	125	80	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
	RF HSK-A080-SGER20-100 +RF N20SGXR nano	A6A	100	9	65	-	48	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	C	
	RF HSK-A080-SGER20-120 +RF N20SGXR nano	A6A	120	9	85	-	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	C	
	RF HSK-A080-SGER20-160 +RF N20SGXR nano	A6B	160	9	125	80	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
	RF HSK-A080-SGER25-100 +RF N25SGXR nano	A6A	100	9	65	-	46	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	C	
	RF HSK-A080-SGER25-120 +RF N25SGXR nano	A6A	120	9	85	-	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	C	
	RF HSK-A080-SGER25-160 +RF N25SGXR nano	A6B	160	9	125	80	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
	RF HSK-A080-SGER32-100 +RF N32SGXR nano	A6A	100	9	65	-	44	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	C	
	RF HSK-A080-SGER32-120 +RF N32SGXR nano	A6A	120	9	85	-	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	C	
	RF HSK-A080-SGER32-160 +RF N32SGXR nano	A6B	160	9	125	80	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
	RF HSK-A080-SGER40-100 +RF N40SGXR nano	A6A	100	9	65	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.70	C	
	RF HSK-A080-SGER40-120 +RF N40SGXR nano	A6A	120	9	85	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	
	RF HSK-A080-SGER40-160 +RF N40SGXR nano	A6A	160	9	125	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-A100-SGER16-100 +RF N16SGXR nano	A6A	100	9	62	-	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
◎	RF HSK-A100-SGER16-120 +RF N16SGXR nano	A6A	120	9	82	-	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.60	C	
◎	RF HSK-A100-SGER16-160 +RF N16SGXR nano	A6B	160	9	122	80	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.00	C	
◎	RF HSK-A100-SGER16-200 +RF N16SGXR nano	A6B	200	9	142	80	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.40	C	
◎	RF HSK-A100-SGER20-100 +RF N20SGXR nano	A6A	100	9	62	-	46	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
◎	RF HSK-A100-SGER20-120 +RF N20SGXR nano	A6A	120	9	82	-	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.70	C	
◎	RF HSK-A100-SGER20-160 +RF N20SGXR nano	A6B	160	9	122	80	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.10	C	
◎	RF HSK-A100-SGER20-200 +RF N20SGXR nano	A6B	200	9	142	80	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.50	C	
◎	RF HSK-A100-SGER25-100 +RF N25SGXR nano	A6A	100	9	62	-	44	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
◎	RF HSK-A100-SGER25-120 +RF N25SGXR nano	A6A	120	9	82	-	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.90	C	
◎	RF HSK-A100-SGER25-160 +RF N25SGXR nano	A6B	160	9	122	80	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.30	C	
◎	RF HSK-A100-SGER25-200 +RF N25SGXR nano	A6B	200	9	142	80	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.70	C	
◎	RF HSK-A100-SGER32-100 +RF N32SGXR nano	A6A	100	9	62	-	42	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
◎	RF HSK-A100-SGER32-120 +RF N32SGXR nano	A6A	120	9	82	-	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.10	C	
◎	RF HSK-A100-SGER32-160 +RF N32SGXR nano	A6B	160	9	122	80	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.50	C	
◎	RF HSK-A100-SGER32-200 +RF N32SGXR nano	A6B	200	9	142	80	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.90	C	
◎	RF HSK-A100-SGER40-100 +RF N40SGXR nano	A6A	100	9	62	-	-	84.0	62	RY0620	3.0~26.0	ER40	-	3.30	C	
◎	RF HSK-A100-SGER40-120 +RF N40SGXR nano	A6A	120	9	82	-	60	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
◎	RF HSK-A100-SGER40-160 +RF N40SGXR nano	A6A	160	9	122	-	67	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.20	C	
◎	RF HSK-A100-SGER40-200 +RF N40SGXR nano	A6A	200	9	142	-	67	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.80	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A032-SGER16-070 +RF N16SGX nano	A6F	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.50	B	
○	RF HSK-A032-SGER16-100 +RF N16SGX nano	A6F	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
○	RF HSK-A032-SGER20-070 +RF N20SGX nano	A6F	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.60	B	
○	RF HSK-A032-SGER20-100 +RF N20SGX nano	A6F	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
○	RF HSK-A032-SGER25-070 +RF N25SGX nano	A6F	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.80	B	
○	RF HSK-A032-SGER25-100 +RF N25SGX nano	A6F	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A040-SGER16-070 +RF N16SGX nano	A6F	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
○	RF HSK-A040-SGER16-100 +RF N16SGX nano	A6F	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
○	RF HSK-A040-SGER20-070 +RF N20SGX nano	A6F	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
○	RF HSK-A040-SGER20-100 +RF N20SGX nano	A6F	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
○	RF HSK-A040-SGER25-070 +RF N25SGX nano	A6F	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
○	RF HSK-A040-SGER25-100 +RF N25SGX nano	A6F	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
○	RF HSK-A040-SGER32-070 +RF N32SGX nano	A6F	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
○	RF HSK-A040-SGER32-100 +RF N32SGX nano	A6F	100	8	72	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-A-SGER+RF NSGX nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A050-SGER16-070 +RF N16SGX nano	A6D	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
○	RF HSK-A050-SGER16-100 +RF N16SGX nano	A6D	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
○	RF HSK-A050-SGER16-120 +RF N16SGX nano	A6D	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF HSK-A050-SGER16-160 +RF N16SGX nano	A6E	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
○	RF HSK-A050-SGER20-070 +RF N20SGX nano	A6D	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
○	RF HSK-A050-SGER20-100 +RF N20SGX nano	A6D	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
○	RF HSK-A050-SGER20-120 +RF N20SGX nano	A6D	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF HSK-A050-SGER20-160 +RF N20SGX nano	A6E	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
○	RF HSK-A050-SGER25-080 +RF N25SGX nano	A6F	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
○	RF HSK-A050-SGER25-100 +RF N25SGX nano	A6F	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF HSK-A050-SGER25-120 +RF N25SGX nano	A6F	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF HSK-A050-SGER25-160 +RF N25SGX nano	A6F	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
○	RF HSK-A050-SGER32-080 +RF N32SGX nano	A6F	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
○	RF HSK-A050-SGER32-100 +RF N32SGX nano	A6F	100	8	50	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF HSK-A050-SGER32-120 +RF N32SGX nano	A6F	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF HSK-A050-SGER32-160 +RF N32SGX nano	A6F	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
○	RF HSK-A050-SGER40-080 +RF N40SGX nano	A6F	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
○	RF HSK-A050-SGER40-100 +RF N40SGX nano	A6F	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
○	RF HSK-A050-SGER40-120 +RF N40SGX nano	A6F	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	RF HSK-A050-SGER40-160 +RF N40SGX nano	A6F	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-A063-SGER16-070 +RF N16SGX nano	A6D	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
◎	RF HSK-A063-SGER16-100 +RF N16SGX nano	A6D	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	RF HSK-A063-SGER16-120 +RF N16SGX nano	A6D	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
◎	RF HSK-A063-SGER16-160 +RF N16SGX nano	A6E	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
◎	RF HSK-A063-SGER16-200 +RF N16SGX nano	A6E	200	9	145	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.10	B	
◎	RF HSK-A063-SGER20-070 +RF N20SGX nano	A6D	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
◎	RF HSK-A063-SGER20-100 +RF N20SGX nano	A6D	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	RF HSK-A063-SGER20-120 +RF N20SGX nano	A6D	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
◎	RF HSK-A063-SGER20-160 +RF N20SGX nano	A6E	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
◎	RF HSK-A063-SGER20-200 +RF N20SGX nano	A6E	200	9	145	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.20	B	
◎	RF HSK-A063-SGER25-080 +RF N25SGX nano	A6D	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
◎	RF HSK-A063-SGER25-100 +RF N25SGX nano	A6D	100	9	65	-	51	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	RF HSK-A063-SGER25-120 +RF N25SGX nano	A6D	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
◎	RF HSK-A063-SGER25-160 +RF N25SGX nano	A6E	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
◎	RF HSK-A063-SGER25-200 +RF N25SGX nano	A6E	200	9	145	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.40	B	
◎	RF HSK-A063-SGER32-080 +RF N32SGX nano	A6D	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
◎	RF HSK-A063-SGER32-100 +RF N32SGX nano	A6D	100	9	65	-	49	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	RF HSK-A063-SGER32-120 +RF N32SGX nano	A6D	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
◎	RF HSK-A063-SGER32-160 +RF N32SGX nano	A6D	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
◎	RF HSK-A063-SGER32-200 +RF N32SGX nano	A6D	200	9	145	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.60	B	
◎	RF HSK-A063-SGER40-080 +RF N40SGX nano	A6F	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
◎	RF HSK-A063-SGER40-100 +RF N40SGX nano	A6F	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
◎	RF HSK-A063-SGER40-120 +RF N40SGX nano	A6F	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	RF HSK-A063-SGER40-160 +RF N40SGX nano	A6F	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	
◎	RF HSK-A063-SGER40-200 +RF N40SGX nano	A6F	200	8	150	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	B	

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
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-A-SGER+RF NSGX nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-A080-SGER16-100 +RF N16SGX nano	A6D	100	9	65	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	C	
	RF HSK-A080-SGER16-120 +RF N16SGX nano	A6D	120	9	85	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	C	
	RF HSK-A080-SGER16-160 +RF N16SGX nano	A6E	160	9	125	80	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
	RF HSK-A080-SGER20-100 +RF N20SGX nano	A6D	100	9	65	-	48	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	C	
	RF HSK-A080-SGER20-120 +RF N20SGX nano	A6D	120	9	85	-	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	C	
	RF HSK-A080-SGER20-160 +RF N20SGX nano	A6E	160	9	125	80	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
	RF HSK-A080-SGER25-100 +RF N25SGX nano	A6D	100	9	65	-	46	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	C	
	RF HSK-A080-SGER25-120 +RF N25SGX nano	A6D	120	9	85	-	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	C	
	RF HSK-A080-SGER25-160 +RF N25SGX nano	A6E	160	9	125	80	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
	RF HSK-A080-SGER32-100 +RF N32SGX nano	A6D	100	9	65	-	44	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	C	
	RF HSK-A080-SGER32-120 +RF N32SGX nano	A6D	120	9	85	-	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	C	
	RF HSK-A080-SGER32-160 +RF N32SGX nano	A6E	160	9	125	80	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
	RF HSK-A080-SGER40-100 +RF N40SGX nano	A6D	100	9	65	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.70	C	
	RF HSK-A080-SGER40-120 +RF N40SGX nano	A6D	120	9	85	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	
	RF HSK-A080-SGER40-160 +RF N40SGX nano	A6D	160	9	125	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-A100-SGER16-100 +RF N16SGX nano	A6D	100	9	62	-	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
◎	RF HSK-A100-SGER16-120 +RF N16SGX nano	A6D	120	9	82	-	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.60	C	
◎	RF HSK-A100-SGER16-160 +RF N16SGX nano	A6E	160	9	122	80	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.00	C	
◎	RF HSK-A100-SGER16-200 +RF N16SGX nano	A6E	200	9	142	80	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.40	C	
◎	RF HSK-A100-SGER20-100 +RF N20SGX nano	A6D	100	9	62	-	46	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
◎	RF HSK-A100-SGER20-120 +RF N20SGX nano	A6D	120	9	82	-	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.70	C	
◎	RF HSK-A100-SGER20-160 +RF N20SGX nano	A6E	160	9	122	80	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.10	C	
◎	RF HSK-A100-SGER20-200 +RF N20SGX nano	A6E	200	9	142	80	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.50	C	
◎	RF HSK-A100-SGER25-100 +RF N25SGX nano	A6D	100	9	62	-	44	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
◎	RF HSK-A100-SGER25-120 +RF N25SGX nano	A6D	120	9	82	-	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.90	C	
◎	RF HSK-A100-SGER25-160 +RF N25SGX nano	A6E	160	9	122	80	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.30	C	
◎	RF HSK-A100-SGER25-200 +RF N25SGX nano	A6E	200	9	142	80	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.70	C	
◎	RF HSK-A100-SGER32-100 +RF N32SGX nano	A6D	100	9	62	-	42	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
◎	RF HSK-A100-SGER32-120 +RF N32SGX nano	A6D	120	9	82	-	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.10	C	
◎	RF HSK-A100-SGER32-160 +RF N32SGX nano	A6E	160	9	122	80	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.50	C	
◎	RF HSK-A100-SGER32-200 +RF N32SGX nano	A6E	200	9	142	80	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.90	C	
◎	RF HSK-A100-SGER40-100 +RF N40SGX nano	A6D	100	9	62	-	-	84.0	62	YMK060	3.0~26.0	ER40	-	3.30	C	
◎	RF HSK-A100-SGER40-120 +RF N40SGX nano	A6D	120	9	82	-	60	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
◎	RF HSK-A100-SGER40-160 +RF N40SGX nano	A6D	160	9	122	-	67	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.20	C	
◎	RF HSK-A100-SGER40-200 +RF N40SGX nano	A6D	200	9	142	-	67	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.80	C	

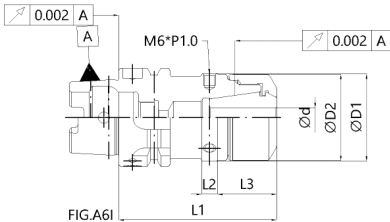
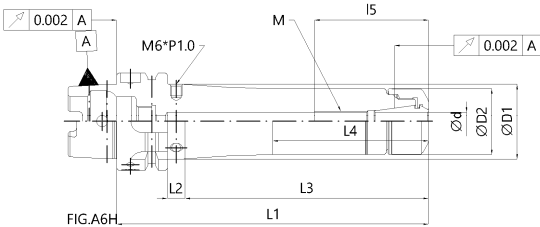
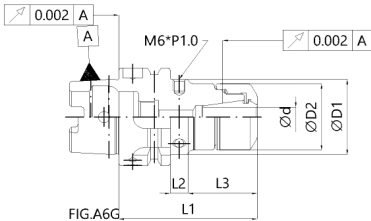
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-A-SGER+RF NSGSXR

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A032-SGER16-070 +RF N16SGSXR	A6I	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.50	B	
○	RF HSK-A032-SGER16-100 +RF N16SGSXR	A6I	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
○	RF HSK-A032-SGER20-070 +RF N20SGSXR	A6I	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.60	B	
○	RF HSK-A032-SGER20-100 +RF N20SGSXR	A6I	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
○	RF HSK-A032-SGER25-070 +RF N25SGSXR	A6I	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.80	B	
○	RF HSK-A032-SGER25-100 +RF N25SGSXR	A6I	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A040-SGER16-070 +RF N16SGSXR	A6I	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
○	RF HSK-A040-SGER16-100 +RF N16SGSXR	A6I	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
○	RF HSK-A040-SGER20-070 +RF N20SGSXR	A6I	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
○	RF HSK-A040-SGER20-100 +RF N20SGSXR	A6I	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
○	RF HSK-A040-SGER25-070 +RF N25SGSXR	A6I	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
○	RF HSK-A040-SGER25-100 +RF N25SGSXR	A6I	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
○	RF HSK-A040-SGER32-070 +RF N32SGSXR	A6I	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
○	RF HSK-A040-SGER32-100 +RF N32SGSXR	A6I	100	8	72	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-A-SGER+RF NSGSXR

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A050-SGER16-070 +RF N16SGSXR	A6G	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
○	RF HSK-A050-SGER16-100 +RF N16SGSXR	A6G	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
○	RF HSK-A050-SGER16-120 +RF N16SGSXR	A6G	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF HSK-A050-SGER16-160 +RF N16SGSXR	A6H	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
○	RF HSK-A050-SGER20-070 +RF N20SGSXR	A6G	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
○	RF HSK-A050-SGER20-100 +RF N20SGSXR	A6G	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
○	RF HSK-A050-SGER20-120 +RF N20SGSXR	A6G	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF HSK-A050-SGER20-160 +RF N20SGSXR	A6H	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
○	RF HSK-A050-SGER25-080 +RF N25SGSXR	A6I	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
○	RF HSK-A050-SGER25-100 +RF N25SGSXR	A6I	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF HSK-A050-SGER25-120 +RF N25SGSXR	A6I	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF HSK-A050-SGER25-160 +RF N25SGSXR	A6I	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
○	RF HSK-A050-SGER32-080 +RF N32SGSXR	A6I	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
○	RF HSK-A050-SGER32-100 +RF N32SGSXR	A6I	100	8	50	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF HSK-A050-SGER32-120 +RF N32SGSXR	A6I	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF HSK-A050-SGER32-160 +RF N32SGSXR	A6I	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
○	RF HSK-A050-SGER40-080 +RF N40SGSXR	A6I	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
○	RF HSK-A050-SGER40-100 +RF N40SGSXR	A6I	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
○	RF HSK-A050-SGER40-120 +RF N40SGSXR	A6I	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	RF HSK-A050-SGER40-160 +RF N40SGSXR	A6I	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-A063-SGER16-070 +RF N16SGSXR	A6G	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
◎	RF HSK-A063-SGER16-100 +RF N16SGSXR	A6G	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	RF HSK-A063-SGER16-120 +RF N16SGSXR	A6G	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
◎	RF HSK-A063-SGER16-160 +RF N16SGSXR	A6H	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
◎	RF HSK-A063-SGER16-200 +RF N16SGSXR	A6H	200	9	145	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.10	B	
◎	RF HSK-A063-SGER20-070 +RF N20SGSXR	A6G	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
◎	RF HSK-A063-SGER20-100 +RF N20SGSXR	A6G	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	RF HSK-A063-SGER20-120 +RF N20SGSXR	A6G	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
◎	RF HSK-A063-SGER20-160 +RF N20SGSXR	A6H	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
◎	RF HSK-A063-SGER20-200 +RF N20SGSXR	A6H	200	9	145	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.20	B	
◎	RF HSK-A063-SGER25-080 +RF N25SGSXR	A6G	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
◎	RF HSK-A063-SGER25-100 +RF N25SGSXR	A6G	100	9	65	-	51	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	RF HSK-A063-SGER25-120 +RF N25SGSXR	A6G	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
◎	RF HSK-A063-SGER25-160 +RF N25SGSXR	A6H	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
◎	RF HSK-A063-SGER25-200 +RF N25SGSXR	A6H	200	9	145	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.40	B	
◎	RF HSK-A063-SGER32-080 +RF N32SGSXR	A6G	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
◎	RF HSK-A063-SGER32-100 +RF N32SGSXR	A6G	100	9	65	-	49	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	RF HSK-A063-SGER32-120 +RF N32SGSXR	A6G	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
◎	RF HSK-A063-SGER32-160 +RF N32SGSXR	A6G	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
◎	RF HSK-A063-SGER32-200 +RF N32SGSXR	A6G	200	9	145	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.60	B	
◎	RF HSK-A063-SGER40-080 +RF N40SGSXR	A6I	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
◎	RF HSK-A063-SGER40-100 +RF N40SGSXR	A6I	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
◎	RF HSK-A063-SGER40-120 +RF N40SGSXR	A6I	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	RF HSK-A063-SGER40-160 +RF N40SGSXR	A6I	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	
◎	RF HSK-A063-SGER40-200 +RF N40SGSXR	A6I	200	8	150	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-A-SGER+RF NSGSXR

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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

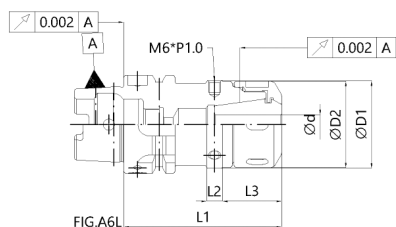
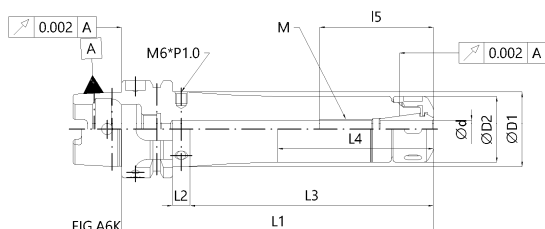
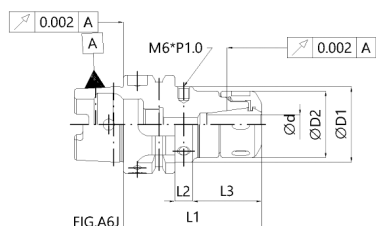
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-A080-SGER16-100 +RF N16SGSXR	A6G	100	9	65	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	C	
	RF HSK-A080-SGER16-120 +RF N16SGSXR	A6G	120	9	85	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	C	
	RF HSK-A080-SGER16-160 +RF N16SGSXR	A6H	160	9	125	80	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
	RF HSK-A080-SGER20-100 +RF N20SGSXR	A6G	100	9	65	-	48	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	C	
	RF HSK-A080-SGER20-120 +RF N20SGSXR	A6G	120	9	85	-	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	C	
	RF HSK-A080-SGER20-160 +RF N20SGSXR	A6H	160	9	125	80	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
	RF HSK-A080-SGER25-100 +RF N25SGSXR	A6G	100	9	65	-	46	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	C	
	RF HSK-A080-SGER25-120 +RF N25SGSXR	A6G	120	9	85	-	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	C	
	RF HSK-A080-SGER25-160 +RF N25SGSXR	A6H	160	9	125	80	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
	RF HSK-A080-SGER32-100 +RF N32SGSXR	A6G	100	9	65	-	44	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	C	
	RF HSK-A080-SGER32-120 +RF N32SGSXR	A6G	120	9	85	-	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	C	
	RF HSK-A080-SGER32-160 +RF N32SGSXR	A6H	160	9	125	80	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
	RF HSK-A080-SGER40-100 +RF N40SGSXR	A6G	100	9	65	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.70	C	
	RF HSK-A080-SGER40-120 +RF N40SGSXR	A6G	120	9	85	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	
	RF HSK-A080-SGER40-160 +RF N40SGSXR	A6G	160	9	125	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-A100-SGER16-100 +RF N16SGSXR	A6G	100	9	62	-	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
◎	RF HSK-A100-SGER16-120 +RF N16SGSXR	A6G	120	9	82	-	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.60	C	
◎	RF HSK-A100-SGER16-160 +RF N16SGSXR	A6H	160	9	122	80	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.00	C	
◎	RF HSK-A100-SGER16-200 +RF N16SGSXR	A6H	200	9	142	80	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.40	C	
◎	RF HSK-A100-SGER20-100 +RF N20SGSXR	A6G	100	9	62	-	46	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
◎	RF HSK-A100-SGER20-120 +RF N20SGSXR	A6G	120	9	82	-	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.70	C	
◎	RF HSK-A100-SGER20-160 +RF N20SGSXR	A6H	160	9	122	80	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.10	C	
◎	RF HSK-A100-SGER20-200 +RF N20SGSXR	A6H	200	9	142	80	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.50	C	
◎	RF HSK-A100-SGER25-100 +RF N25SGSXR	A6G	100	9	62	-	44	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
◎	RF HSK-A100-SGER25-120 +RF N25SGSXR	A6G	120	9	82	-	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.90	C	
◎	RF HSK-A100-SGER25-160 +RF N25SGSXR	A6H	160	9	122	80	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.30	C	
◎	RF HSK-A100-SGER25-200 +RF N25SGSXR	A6H	200	9	142	80	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.70	C	
◎	RF HSK-A100-SGER32-100 +RF N32SGSXR	A6G	100	9	62	-	42	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
◎	RF HSK-A100-SGER32-120 +RF N32SGSXR	A6G	120	9	82	-	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.10	C	
◎	RF HSK-A100-SGER32-160 +RF N32SGSXR	A6H	160	9	122	80	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.50	C	
◎	RF HSK-A100-SGER32-200 +RF N32SGSXR	A6H	200	9	142	80	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.90	C	
◎	RF HSK-A100-SGER40-100 +RF N40SGSXR	A6G	100	9	62	-	-	84.0	62	RY0620	3.0~26.0	ER40	-	3.30	C	
◎	RF HSK-A100-SGER40-120 +RF N40SGSXR	A6G	120	9	82	-	60	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
◎	RF HSK-A100-SGER40-160 +RF N40SGSXR	A6G	160	9	122	-	67	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.20	C	
◎	RF HSK-A100-SGER40-200 +RF N40SGSXR	A6G	200	9	142	-	67	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.80	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A032-SGER16-070 +RF N16SGSX	A6L	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.50	B	
○	RF HSK-A032-SGER16-100 +RF N16SGSX	A6L	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
○	RF HSK-A032-SGER20-070 +RF N20SGSX	A6L	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.60	B	
○	RF HSK-A032-SGER20-100 +RF N20SGSX	A6L	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
○	RF HSK-A032-SGER25-070 +RF N25SGSX	A6L	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.80	B	
○	RF HSK-A032-SGER25-100 +RF N25SGSX	A6L	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A040-SGER16-070 +RF N16SGSX	A6L	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
○	RF HSK-A040-SGER16-100 +RF N16SGSX	A6L	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
○	RF HSK-A040-SGER20-070 +RF N20SGSX	A6L	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
○	RF HSK-A040-SGER20-100 +RF N20SGSX	A6L	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
○	RF HSK-A040-SGER25-070 +RF N25SGSX	A6L	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
○	RF HSK-A040-SGER25-100 +RF N25SGSX	A6L	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
○	RF HSK-A040-SGER32-070 +RF N32SGSX	A6L	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
○	RF HSK-A040-SGER32-100 +RF N32SGSX	A6L	100	8	72	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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supERgrip SGER & ER // RF HSK-A-SGER+RF NSGSX

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-A050-SGER16-070 +RF N16SGSX	A6J	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
○	RF HSK-A050-SGER16-100 +RF N16SGSX	A6J	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
○	RF HSK-A050-SGER16-120 +RF N16SGSX	A6J	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF HSK-A050-SGER16-160 +RF N16SGSX	A6K	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
○	RF HSK-A050-SGER20-070 +RF N20SGSX	A6J	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
○	RF HSK-A050-SGER20-100 +RF N20SGSX	A6J	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
○	RF HSK-A050-SGER20-120 +RF N20SGSX	A6J	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF HSK-A050-SGER20-160 +RF N20SGSX	A6K	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
○	RF HSK-A050-SGER25-080 +RF N25SGSX	A6L	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
○	RF HSK-A050-SGER25-100 +RF N25SGSX	A6L	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF HSK-A050-SGER25-120 +RF N25SGSX	A6L	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF HSK-A050-SGER25-160 +RF N25SGSX	A6L	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
○	RF HSK-A050-SGER32-080 +RF N32SGSX	A6L	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
○	RF HSK-A050-SGER32-100 +RF N32SGSX	A6L	100	8	50	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF HSK-A050-SGER32-120 +RF N32SGSX	A6L	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF HSK-A050-SGER32-160 +RF N32SGSX	A6L	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
○	RF HSK-A050-SGER40-080 +RF N40SGSX	A6L	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
○	RF HSK-A050-SGER40-100 +RF N40SGSX	A6L	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
○	RF HSK-A050-SGER40-120 +RF N40SGSX	A6L	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	RF HSK-A050-SGER40-160 +RF N40SGSX	A6L	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-A063-SGER16-070 +RF N16SGSX	A6J	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
◎	RF HSK-A063-SGER16-100 +RF N16SGSX	A6J	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
◎	RF HSK-A063-SGER16-120 +RF N16SGSX	A6J	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
◎	RF HSK-A063-SGER16-160 +RF N16SGSX	A6K	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
◎	RF HSK-A063-SGER16-200 +RF N16SGSX	A6K	200	9	145	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.10	B	
◎	RF HSK-A063-SGER20-070 +RF N20SGSX	A6J	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
◎	RF HSK-A063-SGER20-100 +RF N20SGSX	A6J	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
◎	RF HSK-A063-SGER20-120 +RF N20SGSX	A6J	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
◎	RF HSK-A063-SGER20-160 +RF N20SGSX	A6K	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
◎	RF HSK-A063-SGER20-200 +RF N20SGSX	A6K	200	9	145	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.20	B	
◎	RF HSK-A063-SGER25-080 +RF N25SGSX	A6J	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
◎	RF HSK-A063-SGER25-100 +RF N25SGSX	A6J	100	9	65	-	51	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
◎	RF HSK-A063-SGER25-120 +RF N25SGSX	A6J	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
◎	RF HSK-A063-SGER25-160 +RF N25SGSX	A6K	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
◎	RF HSK-A063-SGER25-200 +RF N25SGSX	A6K	200	9	145	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.40	B	
◎	RF HSK-A063-SGER32-080 +RF N32SGSX	A6J	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
◎	RF HSK-A063-SGER32-100 +RF N32SGSX	A6J	100	9	65	-	49	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
◎	RF HSK-A063-SGER32-120 +RF N32SGSX	A6J	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
◎	RF HSK-A063-SGER32-160 +RF N32SGSX	A6J	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
◎	RF HSK-A063-SGER32-200 +RF N32SGSX	A6J	200	9	145	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.60	B	
◎	RF HSK-A063-SGER40-080 +RF N40SGSX	A6L	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
◎	RF HSK-A063-SGER40-100 +RF N40SGSX	A6L	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
◎	RF HSK-A063-SGER40-120 +RF N40SGSX	A6L	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	RF HSK-A063-SGER40-160 +RF N40SGSX	A6L	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	
◎	RF HSK-A063-SGER40-200 +RF N40SGSX	A6L	200	8	150	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	B	

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
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-A-SGER+RF NSGSX

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
 RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

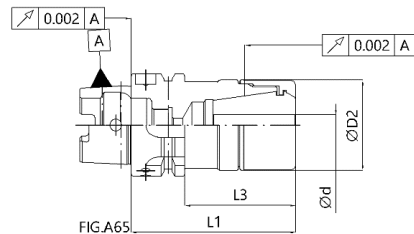
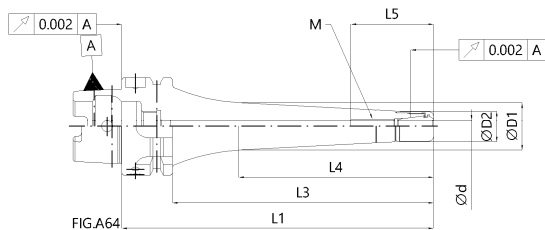
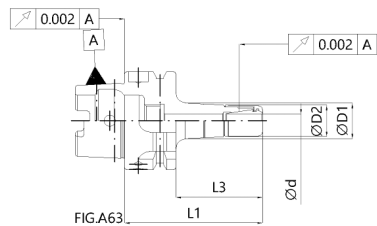
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-A080-SGER16-100 +RF N16SGSX	A6J	100	9	65	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	C	
	RF HSK-A080-SGER16-120 +RF N16SGSX	A6J	120	9	85	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	C	
	RF HSK-A080-SGER16-160 +RF N16SGSX	A6K	160	9	125	80	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
	RF HSK-A080-SGER20-100 +RF N20SGSX	A6J	100	9	65	-	48	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	C	
	RF HSK-A080-SGER20-120 +RF N20SGSX	A6J	120	9	85	-	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	C	
	RF HSK-A080-SGER20-160 +RF N20SGSX	A6K	160	9	125	80	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
	RF HSK-A080-SGER25-100 +RF N25SGSX	A6J	100	9	65	-	46	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	C	
	RF HSK-A080-SGER25-120 +RF N25SGSX	A6J	120	9	85	-	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	C	
	RF HSK-A080-SGER25-160 +RF N25SGSX	A6K	160	9	125	80	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
	RF HSK-A080-SGER32-100 +RF N32SGSX	A6J	100	9	65	-	44	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	C	
	RF HSK-A080-SGER32-120 +RF N32SGSX	A6J	120	9	85	-	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	C	
	RF HSK-A080-SGER32-160 +RF N32SGSX	A6K	160	9	125	80	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
	RF HSK-A080-SGER40-100 +RF N40SGSX	A6J	100	9	65	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.70	C	
	RF HSK-A080-SGER40-120 +RF N40SGSX	A6J	120	9	85	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	
	RF HSK-A080-SGER40-160 +RF N40SGSX	A6J	160	9	125	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-A100-SGER16-100 +RF N16SGSX	A6J	100	9	62	-	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
◎	RF HSK-A100-SGER16-120 +RF N16SGSX	A6J	120	9	82	-	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.60	C	
◎	RF HSK-A100-SGER16-160 +RF N16SGSX	A6K	160	9	122	80	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.00	C	
◎	RF HSK-A100-SGER16-200 +RF N16SGSX	A6K	200	9	142	80	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.40	C	
◎	RF HSK-A100-SGER20-100 +RF N20SGSX	A6J	100	9	62	-	46	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
◎	RF HSK-A100-SGER20-120 +RF N20SGSX	A6J	120	9	82	-	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.70	C	
◎	RF HSK-A100-SGER20-160 +RF N20SGSX	A6K	160	9	122	80	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.10	C	
◎	RF HSK-A100-SGER20-200 +RF N20SGSX	A6K	200	9	142	80	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.50	C	
◎	RF HSK-A100-SGER25-100 +RF N25SGSX	A6J	100	9	62	-	44	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
◎	RF HSK-A100-SGER25-120 +RF N25SGSX	A6J	120	9	82	-	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.90	C	
◎	RF HSK-A100-SGER25-160 +RF N25SGSX	A6K	160	9	122	80	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.30	C	
◎	RF HSK-A100-SGER25-200 +RF N25SGSX	A6K	200	9	142	80	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.70	C	
◎	RF HSK-A100-SGER32-100 +RF N32SGSX	A6J	100	9	62	-	42	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
◎	RF HSK-A100-SGER32-120 +RF N32SGSX	A6J	120	9	82	-	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.10	C	
◎	RF HSK-A100-SGER32-160 +RF N32SGSX	A6K	160	9	122	80	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.50	C	
◎	RF HSK-A100-SGER32-200 +RF N32SGSX	A6K	200	9	142	80	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.90	C	
◎	RF HSK-A100-SGER40-100 +RF N40SGSX	A6J	100	9	62	-	-	84.0	62	YMK060	3.0~26.0	ER40	-	3.30	C	
◎	RF HSK-A100-SGER40-120 +RF N40SGSX	A6J	120	9	82	-	60	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
◎	RF HSK-A100-SGER40-160 +RF N40SGSX	A6J	160	9	122	-	67	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.20	C	
◎	RF HSK-A100-SGER40-200 +RF N40SGSX	A6J	200	9	142	-	67	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.80	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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-A-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A032-SGER11M-050 +RF N11SGMXR	A63	50	-	30	-	-	17	16	RY0160	0.5~7.0	ER11	-	0.10	B	
	HSK-A032-SGER11M-070 +RF N11SGMXR	A63	70	-	50	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.30	B	
	HSK-A032-SGER11M-100 +RF N11SGMXR	A63	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
	HSK-A032-SGER16M-050 +RF N16SGMXR	A63	50	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.20	B	
	HSK-A032-SGER16M-070 +RF N16SGMXR	A63	70	-	50	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.40	B	
	HSK-A032-SGER16M-100 +RF N16SGMXR	A63	100	-	80	-	46	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.70	B	
	HSK-A032-SGER20M-070 +RF N20SGMXR	A65	70	-	50	-	-	-	28	RY0280	0.5~13.0	ER20	-	0.50	B	
	HSK-A032-SGER20M-100 +RF N20SGMXR	A65	100	-	80	-	51	-	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.80	B	
	HSK-A032-SGER25M-070 +RF N25SGMXR	A65	70	-	50	-	-	-	36	RY0360	0.5~16.0	ER25	-	0.70	B	
	HSK-A032-SGER25M-100 +RF N25SGMXR	A65	100	-	80	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A040-SGER11M-050 +RF N11SGMXR	A63	50	-	30	-	-	17	16	RY0160	0.5~7.0	ER11	-	0.20	B	
	HSK-A040-SGER11M-070 +RF N11SGMXR	A63	70	-	50	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	B	
	HSK-A040-SGER11M-100 +RF N11SGMXR	A63	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.70	B	
	HSK-A040-SGER16M-050 +RF N16SGMXR	A63	50	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.30	B	
	HSK-A040-SGER16M-070 +RF N16SGMXR	A63	70	-	50	-	-	27	24	RY0240	0.5~10.0	ER16	-	0.50	B	
	HSK-A040-SGER16M-100 +RF N16SGMXR	A63	100	-	80	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-A040-SGER20M-070 +RF N20SGMXR	A63	70	-	50	-	-	31	28	RY0280	0.5~13.0	ER20	-	0.60	B	
	HSK-A040-SGER20M-100 +RF N20SGMXR	A63	100	-	80	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.90	B	
	HSK-A040-SGER25M-070 +RF N25SGMXR	A65	70	-	50	-	-	-	36	RY0360	0.5~16.0	ER25	-	0.80	B	
	HSK-A040-SGER25M-100 +RF N25SGMXR	A65	100	-	80	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.10	B	
	HSK-A040-SGER32M-070 +RF N32SGMXR	A65	70	-	50	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.00	B	
	HSK-A040-SGER32M-100 +RF N32SGMXR	A65	100	-	80	-	55	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.30	B	

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
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-A-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
 supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A050-SGER11M-070 +RF N11SGMXR	A63	70	-	44	-	-	18	16	RY0160	0.5~7.0	ER11	-	0.50	B	
	HSK-A050-SGER11M-100 +RF N11SGMXR	A63	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
	HSK-A050-SGER11M-120 +RF N11SGMXR	A63	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.00	B	
	HSK-A050-SGER11M-160 +RF N11SGMXR	A64	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	B	
	HSK-A050-SGER16M-070 +RF N16SGMXR	A63	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.60	B	
	HSK-A050-SGER16M-100 +RF N16SGMXR	A63	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-A050-SGER16M-120 +RF N16SGMXR	A63	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-A050-SGER16M-160 +RF N16SGMXR	A64	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.50	B	
	HSK-A050-SGER20M-070 +RF N20SGMXR	A63	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.70	B	
	HSK-A050-SGER20M-100 +RF N20SGMXR	A63	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-A050-SGER20M-120 +RF N20SGMXR	A63	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-A050-SGER20M-160 +RF N20SGMXR	A64	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.60	B	
	HSK-A050-SGER25M-080 +RF N25SGMXR	A63	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.00	B	
	HSK-A050-SGER25M-100 +RF N25SGMXR	A63	100	-	74	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-A050-SGER25M-120 +RF N25SGMXR	A63	120	-	94	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-A050-SGER25M-160 +RF N25SGMXR	A63	160	-	134	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.80	B	
	HSK-A050-SGER32M-080 +RF N32SGMXR	A65	80	-	54	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.20	B	
	HSK-A050-SGER32M-100 +RF N32SGMXR	A65	100	-	74	-	51	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	
	HSK-A050-SGER32M-120 +RF N32SGMXR	A65	120	-	94	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-A050-SGER32M-160 +RF N32SGMXR	A65	160	-	134	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A063-SGER11M-070 +RF N11SGMXR	A63	70	-	44	-	-	18	16	RY0160	0.5~7.0	ER11	-	0.60	B	
	HSK-A063-SGER11M-100 +RF N11SGMXR	A63	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	B	
	HSK-A063-SGER11M-120 +RF N11SGMXR	A63	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	B	
	HSK-A063-SGER11M-160 +RF N11SGMXR	A64	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.50	B	
	HSK-A063-SGER16M-070 +RF N16SGMXR	A63	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.70	B	
	HSK-A063-SGER16M-100 +RF N16SGMXR	A63	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-A063-SGER16M-120 +RF N16SGMXR	A63	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-A063-SGER16M-160 +RF N16SGMXR	A64	160	-	134	100	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-A063-SGER20M-070 +RF N20SGMXR	A63	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.80	B	
	HSK-A063-SGER20M-100 +RF N20SGMXR	A63	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-A063-SGER20M-120 +RF N20SGMXR	A63	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-A063-SGER20M-160 +RF N20SGMXR	A64	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-A063-SGER25M-080 +RF N25SGMXR	A63	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.10	B	
	HSK-A063-SGER25M-100 +RF N25SGMXR	A63	100	-	74	-	51	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-A063-SGER25M-120 +RF N25SGMXR	A63	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-A063-SGER25M-160 +RF N25SGMXR	A63	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-A063-SGER32M-080 +RF N32SGMXR	A63	80	-	54	-	-	47	44	RY0440	2.0~20.0	ER32	-	1.30	B	
	HSK-A063-SGER32M-100 +RF N32SGMXR	A63	100	-	74	-	49	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-A063-SGER32M-120 +RF N32SGMXR	A63	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-A063-SGER32M-160 +RF N32SGMXR	A63	160	-	134	-	57	52	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.10	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-A-SGER+RF NSGMXR

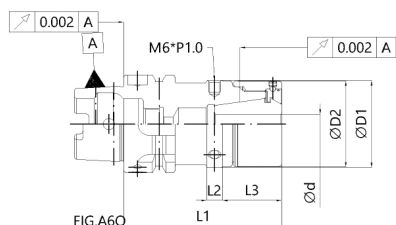
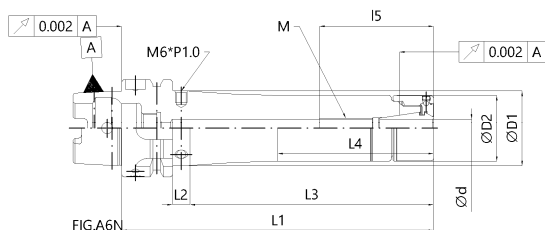
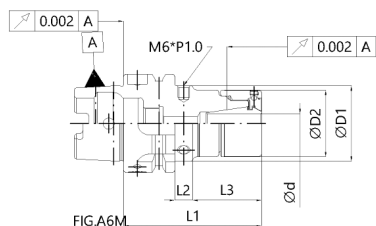
supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A080-SGER11M-100 +RF N11SGMXR	A63	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.60	C	
	HSK-A080-SGER11M-120 +RF N11SGMXR	A63	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.80	C	
	HSK-A080-SGER11M-160 +RF N11SGMXR	A64	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.20	C	
	HSK-A080-SGER16M-100 +RF N16SGMXR	A63	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.70	C	
	HSK-A080-SGER16M-120 +RF N16SGMXR	A63	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.90	C	
	HSK-A080-SGER16M-160 +RF N16SGMXR	A64	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.30	C	
	HSK-A080-SGER20M-100 +RF N20SGMXR	A63	100	-	74	-	48	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.80	C	
	HSK-A080-SGER20M-120 +RF N20SGMXR	A63	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.00	C	
	HSK-A080-SGER20M-160 +RF N20SGMXR	A64	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.40	C	
	HSK-A080-SGER25M-100 +RF N25SGMXR	A63	100	-	74	-	46	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.00	C	
	HSK-A080-SGER25M-120 +RF N25SGMXR	A63	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.20	C	
	HSK-A080-SGER25M-160 +RF N25SGMXR	A63	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.60	C	
	HSK-A080-SGER32M-100 +RF N32SGMXR	A63	100	-	74	-	44	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.20	C	
	HSK-A080-SGER32M-120 +RF N32SGMXR	A63	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.40	C	
	HSK-A080-SGER32M-160 +RF N32SGMXR	A63	160	-	134	-	57	55	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.80	C	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A100-SGER11M-100 +RF N11SGMXR	A63	100	-	71	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.20	C	
	HSK-A100-SGER11M-120 +RF N11SGMXR	A63	120	-	91	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.40	C	
	HSK-A100-SGER11M-160 +RF N11SGMXR	A64	160	-	131	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.80	C	
	HSK-A100-SGER16M-100 +RF N16SGMXR	A63	100	-	71	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.30	C	
	HSK-A100-SGER16M-120 +RF N16SGMXR	A63	120	-	91	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.50	C	
	HSK-A100-SGER16M-160 +RF N16SGMXR	A64	160	-	131	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.90	C	
	HSK-A100-SGER20M-100 +RF N20SGMXR	A63	100	-	71	-	46	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.40	C	
	HSK-A100-SGER20M-120 +RF N20SGMXR	A63	120	-	91	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.60	C	
	HSK-A100-SGER20M-160 +RF N20SGMXR	A64	160	-	131	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	3.00	C	
	HSK-A100-SGER25M-100 +RF N25SGMXR	A63	100	-	71	-	44	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.60	C	
	HSK-A100-SGER25M-120 +RF N25SGMXR	A63	120	-	91	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.80	C	
	HSK-A100-SGER25M-160 +RF N25SGMXR	A63	160	-	131	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	3.20	C	
	HSK-A100-SGER32M-100 +RF N32SGMXR	A63	100	-	71	-	42	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.80	C	
	HSK-A100-SGER32M-120 +RF N32SGMXR	A63	120	-	91	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	3.00	C	
	HSK-A100-SGER32M-160 +RF N32SGMXR	A63	160	-	131	-	57	55	44	RY0440	2.0~20.0	ER32	M24*P1.5	3.40	C	

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supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR
 supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A032-SGER16-070 +RF N16SGXR nano	A6O	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.50	B	
	HSK-A032-SGER16-100 +RF N16SGXR nano	A6O	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-A032-SGER20-070 +RF N20SGXR nano	A6O	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.60	B	
	HSK-A032-SGER20-100 +RF N20SGXR nano	A6O	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
	HSK-A032-SGER25-070 +RF N25SGXR nano	A6O	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.80	B	
	HSK-A032-SGER25-100 +RF N25SGXR nano	A6O	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A040-SGER16-070 +RF N16SGXR nano	A6O	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
	HSK-A040-SGER16-100 +RF N16SGXR nano	A6O	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-A040-SGER20-070 +RF N20SGXR nano	A6O	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
	HSK-A040-SGER20-100 +RF N20SGXR nano	A6O	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-A040-SGER25-070 +RF N25SGXR nano	A6O	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
	HSK-A040-SGER25-100 +RF N25SGXR nano	A6O	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-A040-SGER32-070 +RF N32SGXR nano	A6O	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
	HSK-A040-SGER32-100 +RF N32SGXR nano	A6O	100	8	72	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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supERgrip SGER & ER // HSK-A-SGER+RF NSGXR nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A050-SGER16-070 +RF N16SGXR nano	A6M	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
	HSK-A050-SGER16-100 +RF N16SGXR nano	A6M	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-A050-SGER16-120 +RF N16SGXR nano	A6M	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-A050-SGER16-160 +RF N16SGXR nano	A6N	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-A050-SGER20-070 +RF N20SGXR nano	A6M	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
	HSK-A050-SGER20-100 +RF N20SGXR nano	A6M	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-A050-SGER20-120 +RF N20SGXR nano	A6M	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-A050-SGER20-160 +RF N20SGXR nano	A6N	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-A050-SGER25-080 +RF N25SGXR nano	A6O	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
	HSK-A050-SGER25-100 +RF N25SGXR nano	A6O	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-A050-SGER25-120 +RF N25SGXR nano	A6O	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-A050-SGER25-160 +RF N25SGXR nano	A6O	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-A050-SGER32-080 +RF N32SGXR nano	A6O	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
	HSK-A050-SGER32-100 +RF N32SGXR nano	A6O	100	8	50	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-A050-SGER32-120 +RF N32SGXR nano	A6O	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-A050-SGER32-160 +RF N32SGXR nano	A6O	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-A050-SGER40-080 +RF N40SGXR nano	A6O	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
	HSK-A050-SGER40-100 +RF N40SGXR nano	A6O	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
	HSK-A050-SGER40-120 +RF N40SGXR nano	A6O	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-A050-SGER40-160 +RF N40SGXR nano	A6O	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A063-SGER16-070 +RF N16SGXR nano	A6M	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
	HSK-A063-SGER16-100 +RF N16SGXR nano	A6M	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-A063-SGER16-120 +RF N16SGXR nano	A6M	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
◎	HSK-A063-SGER16-160 +RF N16SGXR nano	A6N	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-A063-SGER16-200 +RF N16SGXR nano	A6N	200	9	145	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.10	B	
◎	HSK-A063-SGER20-070 +RF N20SGXR nano	A6M	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
	HSK-A063-SGER20-100 +RF N20SGXR nano	A6M	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-A063-SGER20-120 +RF N20SGXR nano	A6M	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
◎	HSK-A063-SGER20-160 +RF N20SGXR nano	A6N	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
	HSK-A063-SGER20-200 +RF N20SGXR nano	A6N	200	9	145	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.20	B	
◎	HSK-A063-SGER25-080 +RF N25SGXR nano	A6M	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
	HSK-A063-SGER25-100 +RF N25SGXR nano	A6M	100	9	65	-	51	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-A063-SGER25-120 +RF N25SGXR nano	A6M	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-A063-SGER25-160 +RF N25SGXR nano	A6N	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-A063-SGER25-200 +RF N25SGXR nano	A6N	200	9	145	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.40	B	
◎	HSK-A063-SGER32-080 +RF N32SGXR nano	A6M	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
	HSK-A063-SGER32-100 +RF N32SGXR nano	A6M	100	9	65	-	49	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-A063-SGER32-120 +RF N32SGXR nano	A6M	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
◎	HSK-A063-SGER32-160 +RF N32SGXR nano	A6M	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-A063-SGER32-200 +RF N32SGXR nano	A6M	200	9	145	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.60	B	
	HSK-A063-SGER40-080 +RF N40SGXR nano	A6O	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
◎	HSK-A063-SGER40-100 +RF N40SGXR nano	A6O	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
	HSK-A063-SGER40-120 +RF N40SGXR nano	A6O	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	HSK-A063-SGER40-160 +RF N40SGXR nano	A6O	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	
	HSK-A063-SGER40-200 +RF N40SGXR nano	A6O	200	8	150	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-A-SGER+RF NSGXR nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR
 supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A080-SGER16-100 +RF N16SGXR nano	A6M	100	9	65	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	C	
	HSK-A080-SGER16-120 +RF N16SGXR nano	A6M	120	9	85	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	C	
	HSK-A080-SGER16-160 +RF N16SGXR nano	A6N	160	9	125	80	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-A080-SGER20-100 +RF N20SGXR nano	A6M	100	9	65	-	49	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	C	
	HSK-A080-SGER20-120 +RF N20SGXR nano	A6M	120	9	85	-	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	C	
	HSK-A080-SGER20-160 +RF N20SGXR nano	A6N	160	9	125	80	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-A080-SGER25-100 +RF N25SGXR nano	A6M	100	9	65	-	46	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	C	
	HSK-A080-SGER25-120 +RF N25SGXR nano	A6M	120	9	85	-	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	C	
	HSK-A080-SGER25-160 +RF N25SGXR nano	A6N	160	9	125	80	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-A080-SGER32-100 +RF N32SGXR nano	A6M	100	9	65	-	44	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	C	
	HSK-A080-SGER32-120 +RF N32SGXR nano	A6M	120	9	85	-	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	C	
	HSK-A080-SGER32-160 +RF N32SGXR nano	A6N	160	9	125	80	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
	HSK-A080-SGER40-100 +RF N40SGXR nano	A6M	100	9	65	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.70	C	
	HSK-A080-SGER40-120 +RF N40SGXR nano	A6M	120	9	85	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	
	HSK-A080-SGER40-160 +RF N40SGXR nano	A6M	160	9	125	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A100-SGER16-100 +RF N16SGXR nano	A6M	100	9	62	-	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-A100-SGER16-120 +RF N16SGXR nano	A6M	120	9	82	-	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.60	C	
	HSK-A100-SGER16-160 +RF N16SGXR nano	A6N	160	9	122	80	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.00	C	
	HSK-A100-SGER16-200 +RF N16SGXR nano	A6N	200	9	142	80	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.40	C	
	HSK-A100-SGER20-100 +RF N20SGXR nano	A6M	100	9	62	-	46	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-A100-SGER20-120 +RF N20SGXR nano	A6M	120	9	82	-	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.70	C	
	HSK-A100-SGER20-160 +RF N20SGXR nano	A6N	160	9	122	80	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.10	C	
	HSK-A100-SGER20-200 +RF N20SGXR nano	A6N	200	9	142	80	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.50	C	
	HSK-A100-SGER25-100 +RF N25SGXR nano	A6M	100	9	62	-	44	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-A100-SGER25-120 +RF N25SGXR nano	A6M	120	9	82	-	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.90	C	
	HSK-A100-SGER25-160 +RF N25SGXR nano	A6N	160	9	122	80	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.30	C	
	HSK-A100-SGER25-200 +RF N25SGXR nano	A6N	200	9	142	80	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.70	C	
◎	HSK-A100-SGER32-100 +RF N32SGXR nano	A6M	100	9	62	-	42	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
◎	HSK-A100-SGER32-120 +RF N32SGXR nano	A6M	120	9	82	-	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.10	C	
	HSK-A100-SGER32-160 +RF N32SGXR nano	A6N	160	9	122	80	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.50	C	
	HSK-A100-SGER32-200 +RF N32SGXR nano	A6N	200	9	142	80	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.90	C	
◎	HSK-A100-SGER40-100 +RF N40SGXR nano	A6M	100	9	62	-	-	84.0	62	RY0620	3.0~26.0	ER40	-	3.30	C	
	HSK-A100-SGER40-120 +RF N40SGXR nano	A6M	120	9	82	-	60	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
	HSK-A100-SGER40-160 +RF N40SGXR nano	A6M	160	9	122	-	67	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.20	C	
	HSK-A100-SGER40-200 +RF N40SGXR nano	A6M	200	9	142	-	67	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.80	C	

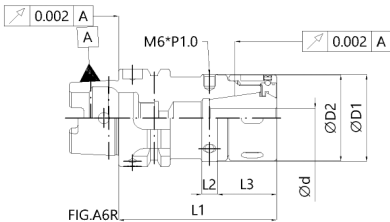
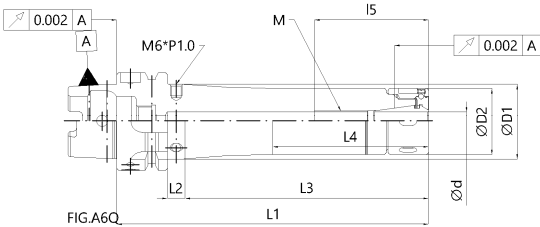
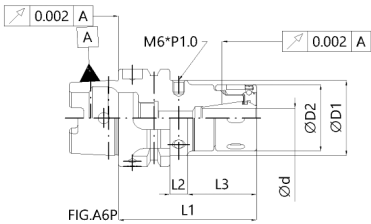
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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-A-SGER+RF NSGX nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A032-SGER16-070 +RF N16SGX nano	A6R	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.50	B	
	HSK-A032-SGER16-100 +RF N16SGX nano	A6R	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-A032-SGER20-070 +RF N20SGX nano	A6R	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.60	B	
	HSK-A032-SGER20-100 +RF N20SGX nano	A6R	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
	HSK-A032-SGER25-070 +RF N25SGX nano	A6R	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.80	B	
	HSK-A032-SGER25-100 +RF N25SGX nano	A6R	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A040-SGER16-070 +RF N16SGX nano	A6R	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
	HSK-A040-SGER16-100 +RF N16SGX nano	A6R	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-A040-SGER20-070 +RF N20SGX nano	A6R	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
	HSK-A040-SGER20-100 +RF N20SGX nano	A6R	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-A040-SGER25-070 +RF N25SGX nano	A6R	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
	HSK-A040-SGER25-100 +RF N25SGX nano	A6R	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-A040-SGER32-070 +RF N32SGX nano	A6R	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
	HSK-A040-SGER32-100 +RF N32SGX nano	A6R	100	8	72	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-A-SGER+RF NSGX nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A050-SGER16-070 +RF N16SGX nano	A6P	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
	HSK-A050-SGER16-100 +RF N16SGX nano	A6P	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-A050-SGER16-120 +RF N16SGX nano	A6P	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-A050-SGER16-160 +RF N16SGX nano	A6Q	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-A050-SGER20-070 +RF N20SGX nano	A6P	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
	HSK-A050-SGER20-100 +RF N20SGX nano	A6P	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-A050-SGER20-120 +RF N20SGX nano	A6P	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-A050-SGER20-160 +RF N20SGX nano	A6Q	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-A050-SGER25-080 +RF N25SGX nano	A6R	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
	HSK-A050-SGER25-100 +RF N25SGX nano	A6R	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-A050-SGER25-120 +RF N25SGX nano	A6R	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-A050-SGER25-160 +RF N25SGX nano	A6R	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-A050-SGER32-080 +RF N32SGX nano	A6R	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
	HSK-A050-SGER32-100 +RF N32SGX nano	A6R	100	8	50	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-A050-SGER32-120 +RF N32SGX nano	A6R	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-A050-SGER32-160 +RF N32SGX nano	A6R	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-A050-SGER40-080 +RF N40SGX nano	A6R	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
	HSK-A050-SGER40-100 +RF N40SGX nano	A6R	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
	HSK-A050-SGER40-120 +RF N40SGX nano	A6R	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-A050-SGER40-160 +RF N40SGX nano	A6R	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A063-SGER16-070 +RF N16SGX nano	A6P	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
	HSK-A063-SGER16-100 +RF N16SGX nano	A6P	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-A063-SGER16-120 +RF N16SGX nano	A6P	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
◎	HSK-A063-SGER16-160 +RF N16SGX nano	A6Q	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-A063-SGER16-200 +RF N16SGX nano	A6Q	200	9	145	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.10	B	
◎	HSK-A063-SGER20-070 +RF N20SGX nano	A6P	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
	HSK-A063-SGER20-100 +RF N20SGX nano	A6P	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-A063-SGER20-120 +RF N20SGX nano	A6P	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
◎	HSK-A063-SGER20-160 +RF N20SGX nano	A6Q	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
	HSK-A063-SGER20-200 +RF N20SGX nano	A6Q	200	9	145	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.20	B	
◎	HSK-A063-SGER25-080 +RF N25SGX nano	A6P	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
	HSK-A063-SGER25-100 +RF N25SGX nano	A6P	100	9	65	-	51	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-A063-SGER25-120 +RF N25SGX nano	A6P	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-A063-SGER25-160 +RF N25SGX nano	A6Q	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-A063-SGER25-200 +RF N25SGX nano	A6Q	200	9	145	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.40	B	
◎	HSK-A063-SGER32-080 +RF N32SGX nano	A6P	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
	HSK-A063-SGER32-100 +RF N32SGX nano	A6P	100	9	65	-	49	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-A063-SGER32-120 +RF N32SGX nano	A6P	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
◎	HSK-A063-SGER32-160 +RF N32SGX nano	A6P	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-A063-SGER32-200 +RF N32SGX nano	A6P	200	9	145	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.60	B	
	HSK-A063-SGER40-080 +RF N40SGX nano	A6R	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
◎	HSK-A063-SGER40-100 +RF N40SGX nano	A6R	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
	HSK-A063-SGER40-120 +RF N40SGX nano	A6R	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	HSK-A063-SGER40-160 +RF N40SGX nano	A6R	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	
	HSK-A063-SGER40-200 +RF N40SGX nano	A6R	200	8	150	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-A-SGER+RF NSGX nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

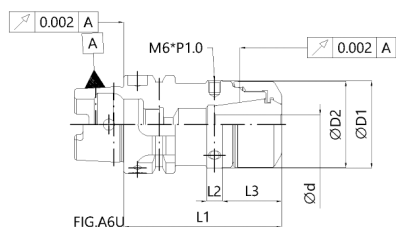
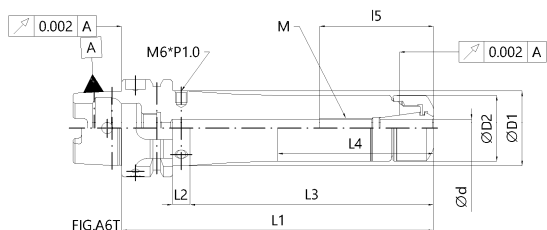
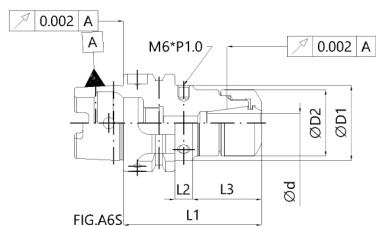
動平衡G2.5/25,000RPM或小於1gmm // BALANCE TO G2.5/25,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A080-SGER16-100 +RF N16SGX nano	A6P	100	9	65	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	C	
	HSK-A080-SGER16-120 +RF N16SGX nano	A6P	120	9	85	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	C	
	HSK-A080-SGER16-160 +RF N16SGX nano	A6Q	160	9	125	80	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-A080-SGER20-100 +RF N20SGX nano	A6P	100	9	65	-	48	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	C	
	HSK-A080-SGER20-120 +RF N20SGX nano	A6P	120	9	85	-	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	C	
	HSK-A080-SGER20-160 +RF N20SGX nano	A6Q	160	9	125	80	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-A080-SGER25-100 +RF N25SGX nano	A6P	100	9	65	-	46	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	C	
	HSK-A080-SGER25-120 +RF N25SGX nano	A6P	120	9	85	-	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	C	
	HSK-A080-SGER25-160 +RF N25SGX nano	A6Q	160	9	125	80	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-A080-SGER32-100 +RF N32SGX nano	A6P	100	9	65	-	44	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	C	
	HSK-A080-SGER32-120 +RF N32SGX nano	A6P	120	9	85	-	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	C	
	HSK-A080-SGER32-160 +RF N32SGX nano	A6Q	160	9	125	80	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
	HSK-A080-SGER40-100 +RF N40SGX nano	A6P	100	9	65	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.70	C	
	HSK-A080-SGER40-120 +RF N40SGX nano	A6P	120	9	85	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	
	HSK-A080-SGER40-160 +RF N40SGX nano	A6P	160	9	125	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A100-SGER16-100 +RF N16SGX nano	A6P	100	9	62	-	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-A100-SGER16-120 +RF N16SGX nano	A6P	120	9	82	-	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.60	C	
	HSK-A100-SGER16-160 +RF N16SGX nano	A6Q	160	9	122	80	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.00	C	
	HSK-A100-SGER16-200 +RF N16SGX nano	A6Q	200	9	142	80	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.40	C	
	HSK-A100-SGER20-100 +RF N20SGX nano	A6P	100	9	62	-	46	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-A100-SGER20-120 +RF N20SGX nano	A6P	120	9	82	-	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.70	C	
	HSK-A100-SGER20-160 +RF N20SGX nano	A6Q	160	9	122	80	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.10	C	
	HSK-A100-SGER20-200 +RF N20SGX nano	A6Q	200	9	142	80	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.50	C	
	HSK-A100-SGER25-100 +RF N25SGX nano	A6P	100	9	62	-	44	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-A100-SGER25-120 +RF N25SGX nano	A6P	120	9	82	-	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.90	C	
	HSK-A100-SGER25-160 +RF N25SGX nano	A6Q	160	9	122	80	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.30	C	
	HSK-A100-SGER25-200 +RF N25SGX nano	A6Q	200	9	142	80	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.70	C	
◎	HSK-A100-SGER32-100 +RF N32SGX nano	A6P	100	9	62	-	42	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
◎	HSK-A100-SGER32-120 +RF N32SGX nano	A6P	120	9	82	-	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.10	C	
	HSK-A100-SGER32-160 +RF N32SGX nano	A6Q	160	9	122	80	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.50	C	
	HSK-A100-SGER32-200 +RF N32SGX nano	A6Q	200	9	142	80	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.90	C	
◎	HSK-A100-SGER40-100 +RF N40SGX nano	A6P	100	9	62	-	-	84.0	62	YMK060	3.0~26.0	ER40	-	3.30	C	
	HSK-A100-SGER40-120 +RF N40SGX nano	A6P	120	9	82	-	60	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
	HSK-A100-SGER40-160 +RF N40SGX nano	A6P	160	9	122	-	67	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.20	C	
	HSK-A100-SGER40-200 +RF N40SGX nano	A6P	200	9	142	-	67	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.80	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A032-SGER16-070 +RF N16SGSXR	A6U	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.50	B	
	HSK-A032-SGER16-100 +RF N16SGSXR	A6U	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-A032-SGER20-070 +RF N20SGSXR	A6U	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.60	B	
	HSK-A032-SGER20-100 +RF N20SGSXR	A6U	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
	HSK-A032-SGER25-070 +RF N25SGSXR	A6U	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.80	B	
	HSK-A032-SGER25-100 +RF N25SGSXR	A6U	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A040-SGER16-070 +RF N16SGSXR	A6U	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
	HSK-A040-SGER16-100 +RF N16SGSXR	A6U	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-A040-SGER20-070 +RF N20SGSXR	A6U	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
	HSK-A040-SGER20-100 +RF N20SGSXR	A6U	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-A040-SGER25-070 +RF N25SGSXR	A6U	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
	HSK-A040-SGER25-100 +RF N25SGSXR	A6U	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-A040-SGER32-070 +RF N32SGSXR	A6U	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
	HSK-A040-SGER32-100 +RF N32SGSXR	A6U	100	8	72	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-A-SGER+RF NSGSXR

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A050-SGER16-070 +RF N16SGSXR	A6S	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
	HSK-A050-SGER16-100 +RF N16SGSXR	A6S	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-A050-SGER16-120 +RF N16SGSXR	A6S	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-A050-SGER16-160 +RF N16SGSXR	A6T	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-A050-SGER20-070 +RF N20SGSXR	A6S	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
	HSK-A050-SGER20-100 +RF N20SGSXR	A6S	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-A050-SGER20-120 +RF N20SGSXR	A6S	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-A050-SGER20-160 +RF N20SGSXR	A6T	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-A050-SGER25-080 +RF N25SGSXR	A6U	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
	HSK-A050-SGER25-100 +RF N25SGSXR	A6U	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-A050-SGER25-120 +RF N25SGSXR	A6U	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-A050-SGER25-160 +RF N25SGSXR	A6U	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-A050-SGER32-080 +RF N32SGSXR	A6U	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
	HSK-A050-SGER32-100 +RF N32SGSXR	A6U	100	8	50	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-A050-SGER32-120 +RF N32SGSXR	A6U	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-A050-SGER32-160 +RF N32SGSXR	A6U	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-A050-SGER40-080 +RF N40SGSXR	A6U	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
	HSK-A050-SGER40-100 +RF N40SGSXR	A6U	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
	HSK-A050-SGER40-120 +RF N40SGSXR	A6U	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-A050-SGER40-160 +RF N40SGSXR	A6U	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A063-SGER16-070 +RF N16SGSXR	A6S	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
	HSK-A063-SGER16-100 +RF N16SGSXR	A6S	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-A063-SGER16-120 +RF N16SGSXR	A6S	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
◎	HSK-A063-SGER16-160 +RF N16SGSXR	A6T	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-A063-SGER16-200 +RF N16SGSXR	A6T	200	9	145	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.10	B	
◎	HSK-A063-SGER20-070 +RF N20SGSXR	A6S	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
	HSK-A063-SGER20-100 +RF N20SGSXR	A6S	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-A063-SGER20-120 +RF N20SGSXR	A6S	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
◎	HSK-A063-SGER20-160 +RF N20SGSXR	A6T	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
	HSK-A063-SGER20-200 +RF N20SGSXR	A6T	200	9	145	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.20	B	
◎	HSK-A063-SGER25-080 +RF N25SGSXR	A6S	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
	HSK-A063-SGER25-100 +RF N25SGSXR	A6S	100	9	65	-	51	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-A063-SGER25-120 +RF N25SGSXR	A6S	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-A063-SGER25-160 +RF N25SGSXR	A6T	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-A063-SGER25-200 +RF N25SGSXR	A6T	200	9	145	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.40	B	
◎	HSK-A063-SGER32-080 +RF N32SGSXR	A6S	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
	HSK-A063-SGER32-100 +RF N32SGSXR	A6S	100	9	65	-	49	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-A063-SGER32-120 +RF N32SGSXR	A6S	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
◎	HSK-A063-SGER32-160 +RF N32SGSXR	A6S	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-A063-SGER32-200 +RF N32SGSXR	A6S	200	9	145	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.60	B	
	HSK-A063-SGER40-080 +RF N40SGSXR	A6U	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
◎	HSK-A063-SGER40-100 +RF N40SGSXR	A6U	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
	HSK-A063-SGER40-120 +RF N40SGSXR	A6U	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	HSK-A063-SGER40-160 +RF N40SGSXR	A6U	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	
	HSK-A063-SGER40-200 +RF N40SGSXR	A6U	200	8	150	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-A-SGER+RF NSGSXR

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A080-SGER16-100 +RF N16SGSXR	A6S	100	9	65	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	C	
	HSK-A080-SGER16-120 +RF N16SGSXR	A6S	120	9	85	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	C	
	HSK-A080-SGER16-160 +RF N16SGSXR	A6T	160	9	125	80	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-A080-SGER20-100 +RF N20SGSXR	A6S	100	9	65	-	48	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	C	
	HSK-A080-SGER20-120 +RF N20SGSXR	A6S	120	9	85	-	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	C	
	HSK-A080-SGER20-160 +RF N20SGSXR	A6T	160	9	125	80	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-A080-SGER25-100 +RF N25SGSXR	A6S	100	9	65	-	46	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	C	
	HSK-A080-SGER25-120 +RF N25SGSXR	A6S	120	9	85	-	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	C	
	HSK-A080-SGER25-160 +RF N25SGSXR	A6T	160	9	125	80	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-A080-SGER32-100 +RF N32SGSXR	A6S	100	9	65	-	44	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	C	
	HSK-A080-SGER32-120 +RF N32SGSXR	A6S	120	9	85	-	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	C	
	HSK-A080-SGER32-160 +RF N32SGSXR	A6T	160	9	125	80	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
	HSK-A080-SGER40-100 +RF N40SGSXR	A6S	100	9	65	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.70	C	
	HSK-A080-SGER40-120 +RF N40SGSXR	A6S	120	9	85	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	
	HSK-A080-SGER40-160 +RF N40SGSXR	A6S	160	9	125	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A100-SGER16-100 +RF N16SGSXR	A6S	100	9	62	-	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-A100-SGER16-120 +RF N16SGSXR	A6S	120	9	82	-	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.60	C	
	HSK-A100-SGER16-160 +RF N16SGSXR	A6T	160	9	122	80	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.00	C	
	HSK-A100-SGER16-200 +RF N16SGSXR	A6T	200	9	142	80	46	84.0	34	RY0340	0.5~10.0	ER16	M11*P1.0	3.40	C	
	HSK-A100-SGER20-100 +RF N20SGSXR	A6S	100	9	62	-	46	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-A100-SGER20-120 +RF N20SGSXR	A6S	120	9	82	-	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.70	C	
	HSK-A100-SGER20-160 +RF N20SGSXR	A6T	160	9	122	80	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.10	C	
	HSK-A100-SGER20-200 +RF N20SGSXR	A6T	200	9	142	80	51	84.0	38	RY0380	0.5~13.0	ER20	M14*P1.0	3.50	C	
	HSK-A100-SGER25-100 +RF N25SGSXR	A6S	100	9	62	-	44	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-A100-SGER25-120 +RF N25SGSXR	A6S	120	9	82	-	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.90	C	
	HSK-A100-SGER25-160 +RF N25SGSXR	A6T	160	9	122	80	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.30	C	
	HSK-A100-SGER25-200 +RF N25SGSXR	A6T	200	9	142	80	53	84.0	44	RY0440	0.5~16.0	ER25	M18*P1.5	3.70	C	
◎	HSK-A100-SGER32-100 +RF N32SGSXR	A6S	100	9	62	-	42	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
◎	HSK-A100-SGER32-120 +RF N32SGSXR	A6S	120	9	82	-	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.10	C	
	HSK-A100-SGER32-160 +RF N32SGSXR	A6T	160	9	122	80	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.50	C	
	HSK-A100-SGER32-200 +RF N32SGSXR	A6T	200	9	142	80	57	84.0	52	RY0520	2.0~20.0	ER32	M24*P1.5	3.90	C	
◎	HSK-A100-SGER40-100 +RF N40SGSXR	A6S	100	9	62	-	-	84.0	62	RY0620	3.0~26.0	ER40	-	3.30	C	
	HSK-A100-SGER40-120 +RF N40SGSXR	A6S	120	9	82	-	60	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	
	HSK-A100-SGER40-160 +RF N40SGSXR	A6S	160	9	122	-	67	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.20	C	
	HSK-A100-SGER40-200 +RF N40SGSXR	A6S	200	9	142	-	67	84.0	62	RY0620	3.0~26.0	ER40	M28*P1.5	4.80	C	

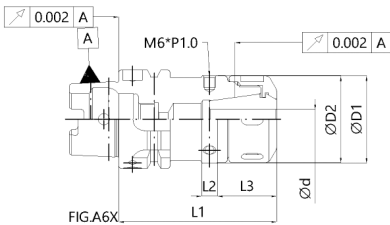
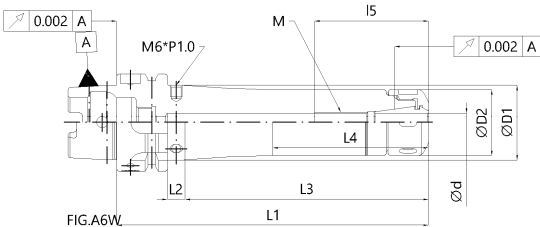
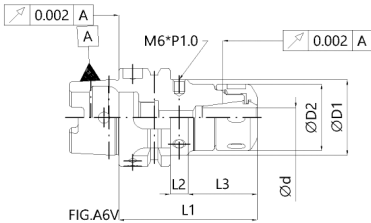
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supERgrip SGER & ER // RF HSK-A-SGER+RF NSGSX

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A032-SGER16-070 +RF N16SGSX	A6X	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.50	B	
	HSK-A032-SGER16-100 +RF N16SGSX	A6X	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-A032-SGER20-070 +RF N20SGSX	A6X	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.60	B	
	HSK-A032-SGER20-100 +RF N20SGSX	A6X	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
	HSK-A032-SGER25-070 +RF N25SGSX	A6X	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.80	B	
	HSK-A032-SGER25-100 +RF N25SGSX	A6X	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A040-SGER16-070 +RF N16SGSX	A6X	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
	HSK-A040-SGER16-100 +RF N16SGSX	A6X	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-A040-SGER20-070 +RF N20SGSX	A6X	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
	HSK-A040-SGER20-100 +RF N20SGSX	A6X	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-A040-SGER25-070 +RF N25SGSX	A6X	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
	HSK-A040-SGER25-100 +RF N25SGSX	A6X	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-A040-SGER32-070 +RF N32SGSX	A6X	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
	HSK-A040-SGER32-100 +RF N32SGSX	A6X	100	8	72	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A050-SGER16-070 +RF N16SGSX	A6V	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
	HSK-A050-SGER16-100 +RF N16SGSX	A6V	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-A050-SGER16-120 +RF N16SGSX	A6V	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-A050-SGER16-160 +RF N16SGSX	A6W	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-A050-SGER20-070 +RF N20SGSX	A6V	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
	HSK-A050-SGER20-100 +RF N20SGSX	A6V	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-A050-SGER20-120 +RF N20SGSX	A6V	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-A050-SGER20-160 +RF N20SGSX	A6W	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-A050-SGER25-080 +RF N25SGSX	A6X	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
	HSK-A050-SGER25-100 +RF N25SGSX	A6X	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-A050-SGER25-120 +RF N25SGSX	A6X	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-A050-SGER25-160 +RF N25SGSX	A6X	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-A050-SGER32-080 +RF N32SGSX	A6X	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
	HSK-A050-SGER32-100 +RF N32SGSX	A6X	100	8	50	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-A050-SGER32-120 +RF N32SGSX	A6X	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-A050-SGER32-160 +RF N32SGSX	A6X	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-A050-SGER40-080 +RF N40SGSX	A6X	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
	HSK-A050-SGER40-100 +RF N40SGSX	A6X	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
	HSK-A050-SGER40-120 +RF N40SGSX	A6X	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-A050-SGER40-160 +RF N40SGSX	A6X	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-A063-SGER16-070 +RF N16SGSX	A6V	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
	HSK-A063-SGER16-100 +RF N16SGSX	A6V	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-A063-SGER16-120 +RF N16SGSX	A6V	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
◎	HSK-A063-SGER16-160 +RF N16SGSX	A6W	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-A063-SGER16-200 +RF N16SGSX	A6W	200	9	145	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.10	B	
◎	HSK-A063-SGER20-070 +RF N20SGSX	A6V	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
	HSK-A063-SGER20-100 +RF N20SGSX	A6V	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-A063-SGER20-120 +RF N20SGSX	A6V	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
◎	HSK-A063-SGER20-160 +RF N20SGSX	A6W	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
	HSK-A063-SGER20-200 +RF N20SGSX	A6W	200	9	145	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.20	B	
◎	HSK-A063-SGER25-080 +RF N25SGSX	A6V	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
	HSK-A063-SGER25-100 +RF N25SGSX	A6V	100	9	65	-	51	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-A063-SGER25-120 +RF N25SGSX	A6V	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-A063-SGER25-160 +RF N25SGSX	A6W	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-A063-SGER25-200 +RF N25SGSX	A6W	200	9	145	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.40	B	
◎	HSK-A063-SGER32-080 +RF N32SGSX	A6V	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
	HSK-A063-SGER32-100 +RF N32SGSX	A6V	100	9	65	-	49	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-A063-SGER32-120 +RF N32SGSX	A6V	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
◎	HSK-A063-SGER32-160 +RF N32SGSX	A6V	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-A063-SGER32-200 +RF N32SGSX	A6V	200	9	145	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.60	B	
	HSK-A063-SGER40-080 +RF N40SGSX	A6X	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
◎	HSK-A063-SGER40-100 +RF N40SGSX	A6X	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
	HSK-A063-SGER40-120 +RF N40SGSX	A6X	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
◎	HSK-A063-SGER40-160 +RF N40SGSX	A6X	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	
	HSK-A063-SGER40-200 +RF N40SGSX	A6X	200	8	150	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-A-SGER+RF NSGSX

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A080-SGER16-100 +RF N16SGSX	A6V	100	9	65	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	C	
	HSK-A080-SGER16-120 +RF N16SGSX	A6V	120	9	85	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	C	
	HSK-A080-SGER16-160 +RF N16SGSX	A6W	160	9	125	80	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-A080-SGER20-100 +RF N20SGSX	A6V	100	9	65	-	48	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	C	
	HSK-A080-SGER20-120 +RF N20SGSX	A6V	120	9	85	-	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	C	
	HSK-A080-SGER20-160 +RF N20SGSX	A6W	160	9	125	80	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-A080-SGER25-100 +RF N25SGSX	A6V	100	9	65	-	46	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	C	
	HSK-A080-SGER25-120 +RF N25SGSX	A6V	120	9	85	-	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	C	
	HSK-A080-SGER25-160 +RF N25SGSX	A6W	160	9	125	80	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-A080-SGER32-100 +RF N32SGSX	A6V	100	9	65	-	44	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	C	
	HSK-A080-SGER32-120 +RF N32SGSX	A6V	120	9	85	-	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	C	
	HSK-A080-SGER32-160 +RF N32SGSX	A6W	160	9	125	80	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
	HSK-A080-SGER40-100 +RF N40SGSX	A6V	100	9	65	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.70	C	
	HSK-A080-SGER40-120 +RF N40SGSX	A6V	120	9	85	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	
	HSK-A080-SGER40-160 +RF N40SGSX	A6V	160	9	125	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-A100-SGER16-100 +RF N16SGSX	A6V	100	9	62	-	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-A100-SGER16-120 +RF N16SGSX	A6V	120	9	82	-	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.60	C	
	HSK-A100-SGER16-160 +RF N16SGSX	A6W	160	9	122	80	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.00	C	
	HSK-A100-SGER16-200 +RF N16SGSX	A6W	200	9	142	80	46	84.0	34	YMK035	0.5~10.0	ER16	M11*P1.0	3.40	C	
	HSK-A100-SGER20-100 +RF N20SGSX	A6V	100	9	62	-	46	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-A100-SGER20-120 +RF N20SGSX	A6V	120	9	82	-	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.70	C	
	HSK-A100-SGER20-160 +RF N20SGSX	A6W	160	9	122	80	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.10	C	
	HSK-A100-SGER20-200 +RF N20SGSX	A6W	200	9	142	80	51	84.0	38	YMK040	0.5~13.0	ER20	M14*P1.0	3.50	C	
	HSK-A100-SGER25-100 +RF N25SGSX	A6V	100	9	62	-	44	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-A100-SGER25-120 +RF N25SGSX	A6V	120	9	82	-	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.90	C	
	HSK-A100-SGER25-160 +RF N25SGSX	A6W	160	9	122	80	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.30	C	
	HSK-A100-SGER25-200 +RF N25SGSX	A6W	200	9	142	80	53	84.0	44	YMK045	0.5~16.0	ER25	M18*P1.5	3.70	C	
◎	HSK-A100-SGER32-100 +RF N32SGSX	A6V	100	9	62	-	42	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
◎	HSK-A100-SGER32-120 +RF N32SGSX	A6V	120	9	82	-	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.10	C	
	HSK-A100-SGER32-160 +RF N32SGSX	A6W	160	9	122	80	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.50	C	
	HSK-A100-SGER32-200 +RF N32SGSX	A6W	200	9	142	80	57	84.0	52	YMK050	2.0~20.0	ER32	M24*P1.5	3.90	C	
◎	HSK-A100-SGER40-100 +RF N40SGSX	A6V	100	9	62	-	-	84.0	62	YMK060	3.0~26.0	ER40	-	3.30	C	
	HSK-A100-SGER40-120 +RF N40SGSX	A6V	120	9	82	-	60	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	
	HSK-A100-SGER40-160 +RF N40SGSX	A6V	160	9	122	-	67	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.20	C	
	HSK-A100-SGER40-200 +RF N40SGSX	A6V	200	9	142	-	67	84.0	62	YMK060	3.0~26.0	ER40	M28*P1.5	4.80	C	

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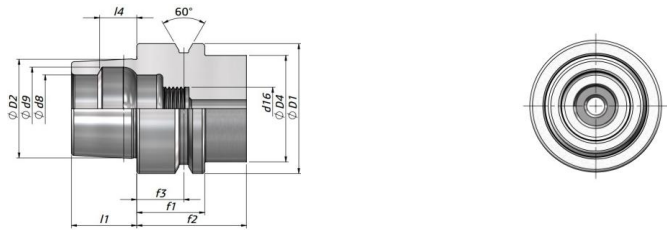
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-E

supERgrip SGER & ER // 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



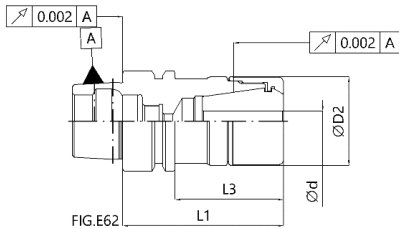
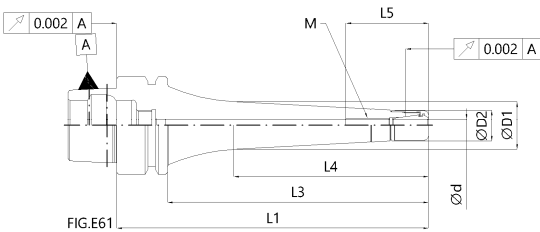
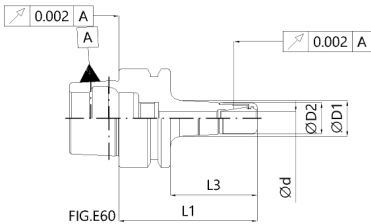
CLAMPING FORCE	HSK-E020	HSK-E025	HSK-E032	HSK-E040	HSK-E050	HSK-E063
	-	1.5KN	2.5KN	4.0KN	5.5KN	10KN

TAPER	HSK-E020	HSK-E025	HSK-E032	HSK-E040	HSK-E050	HSK-E063
ØD1 h10	20	25	32	40	50	63
ØD2	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
ØD4 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
Ød8 H10	12	14	17	21	26	34
Ød9 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

supERgrip SGER & ER // RF HSK-E-SGER+RF NSGMXR

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



動平衡G2.5/40,000RPM或小于1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-E020-SGER11M-050 +RF N11SGMXR	E60	50	-	32	-	-	-	16	RY0160	0.5~7.0	ER11	-	0.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-E025-SGER11M-050 +RF N11SGMXR	E60	50	-	40	-	-	18	16	RY0160	0.5~7.0	ER11	-	0.10	B	
	RF HSK-E025-SGER16M-050 +RF N16SGMXR	E62	50	-	40	-	-	-	24	RY0240	0.5~10.0	ER16	-	0.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E032-SGER11M-050 +RF N11SGMXR	E60	50	-	30	-	-	17	16	RY0160	0.5~7.0	ER11	-	0.10	B	
◎	RF HSK-E032-SGER11M-070 +RF N11SGMXR	E60	70	-	50	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.30	B	
◎	RF HSK-E032-SGER11M-100 +RF N11SGMXR	E60	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
◎	RF HSK-E032-SGER16M-050 +RF N16SGMXR	E60	50	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.20	B	
◎	RF HSK-E032-SGER16M-070 +RF N16SGMXR	E60	70	-	50	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.40	B	
◎	RF HSK-E032-SGER16M-100 +RF N16SGMXR	E60	100	-	80	-	46	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.70	B	
◎	RF HSK-E032-SGER20M-070 +RF N20SGMXR	E62	70	-	50	-	-	-	28	RY0280	0.5~13.0	ER20	-	0.50	B	
◎	RF HSK-E032-SGER20M-100 +RF N20SGMXR	E62	100	-	80	-	51	-	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.80	B	
○	RF HSK-E032-SGER25M-070 +RF N25SGMXR	E62	70	-	50	-	-	-	36	RY0360	0.5~16.0	ER25	-	0.70	B	
○	RF HSK-E032-SGER25M-100 +RF N25SGMXR	E62	100	-	80	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E040-SGER11M-050 +RF N11SGMXR	E60	50	-	30	-	-	17	16	RY0160	0.5~7.0	ER11	-	0.20	B	
◎	RF HSK-E040-SGER11M-070 +RF N11SGMXR	E60	70	-	50	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	B	
◎	RF HSK-E040-SGER11M-100 +RF N11SGMXR	E60	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.70	B	
◎	RF HSK-E040-SGER16M-050 +RF N16SGMXR	E60	50	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.30	B	
◎	RF HSK-E040-SGER16M-070 +RF N16SGMXR	E60	70	-	50	-	-	27	24	RY0240	0.5~10.0	ER16	-	0.50	B	
◎	RF HSK-E040-SGER16M-100 +RF N16SGMXR	E60	100	-	80	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	RF HSK-E040-SGER20M-070 +RF N20SGMXR	E60	70	-	50	-	-	31	28	RY0280	0.5~13.0	ER20	-	0.60	B	
◎	RF HSK-E040-SGER20M-100 +RF N20SGMXR	E60	100	-	80	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.90	B	
○	RF HSK-E040-SGER25M-070 +RF N25SGMXR	E62	70	-	50	-	-	-	36	RY0360	0.5~16.0	ER25	-	0.80	B	
○	RF HSK-E040-SGER25M-100 +RF N25SGMXR	E62	100	-	80	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.10	B	
○	RF HSK-E040-SGER32M-070 +RF N32SGMXR	E62	70	-	50	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.00	B	
○	RF HSK-E040-SGER32M-100 +RF N32SGMXR	E62	100	-	80	-	55	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.30	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-E-SGER+RF NSGMXR

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E050-SGER11M-070 +RF N11SGMXR	E60	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.50	B	
◎	RF HSK-E050-SGER11M-100 +RF N11SGMXR	E60	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
◎	RF HSK-E050-SGER11M-120 +RF N11SGMXR	E60	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.00	B	
○	RF HSK-E050-SGER11M-160 +RF N11SGMXR	E61	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	B	
◎	RF HSK-E050-SGER16M-070 +RF N16SGMXR	E60	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.60	B	
◎	RF HSK-E050-SGER16M-100 +RF N16SGMXR	E60	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
◎	RF HSK-E050-SGER16M-120 +RF N16SGMXR	E60	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.10	B	
○	RF HSK-E050-SGER16M-160 +RF N16SGMXR	E61	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.50	B	
◎	RF HSK-E050-SGER20M-070 +RF N20SGMXR	E60	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.70	B	
◎	RF HSK-E050-SGER20M-100 +RF N20SGMXR	E60	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
◎	RF HSK-E050-SGER20M-120 +RF N20SGMXR	E60	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.20	B	
○	RF HSK-E050-SGER20M-160 +RF N20SGMXR	E61	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.60	B	
○	RF HSK-E050-SGER25M-080 +RF N25SGMXR	E60	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.00	B	
○	RF HSK-E050-SGER25M-100 +RF N25SGMXR	E60	100	-	74	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
○	RF HSK-E050-SGER25M-120 +RF N25SGMXR	E60	120	-	94	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.40	B	
○	RF HSK-E050-SGER25M-160 +RF N25SGMXR	E60	160	-	134	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.80	B	
○	RF HSK-E050-SGER32M-080 +RF N32SGMXR	E62	80	-	54	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.20	B	
○	RF HSK-E050-SGER32M-100 +RF N32SGMXR	E62	100	-	74	-	51	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	
○	RF HSK-E050-SGER32M-120 +RF N32SGMXR	E62	120	-	94	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.60	B	
○	RF HSK-E050-SGER32M-160 +RF N32SGMXR	E62	160	-	134	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-E063-SGER11M-070 +RF N11SGMXR	E60	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
	RF HSK-E063-SGER11M-100 +RF N11SGMXR	E60	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	B	
	RF HSK-E063-SGER11M-120 +RF N11SGMXR	E60	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	B	
	RF HSK-E063-SGER11M-160 +RF N11SGMXR	E61	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.50	B	
	RF HSK-E063-SGER16M-070 +RF N16SGMXR	E60	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.70	B	
	RF HSK-E063-SGER16M-100 +RF N16SGMXR	E60	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	B	
	RF HSK-E063-SGER16M-120 +RF N16SGMXR	E60	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	B	
	RF HSK-E063-SGER16M-160 +RF N16SGMXR	E61	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.60	B	
	RF HSK-E063-SGER20M-070 +RF N20SGMXR	E60	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.80	B	
	RF HSK-E063-SGER20M-100 +RF N20SGMXR	E60	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	B	
	RF HSK-E063-SGER20M-120 +RF N20SGMXR	E60	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	B	
	RF HSK-E063-SGER20M-160 +RF N20SGMXR	E61	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.70	B	
	RF HSK-E063-SGER25M-080 +RF N25SGMXR	E60	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.10	B	
	RF HSK-E063-SGER25M-100 +RF N25SGMXR	E60	100	-	74	-	51	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	B	
	RF HSK-E063-SGER25M-120 +RF N25SGMXR	E60	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	B	
	RF HSK-E063-SGER25M-160 +RF N25SGMXR	E60	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.90	B	
	RF HSK-E063-SGER32M-080 +RF N32SGMXR	E60	80	-	54	-	-	47	44	RY0440	2.0~20.0	ER32	-	1.30	B	
	RF HSK-E063-SGER32M-100 +RF N32SGMXR	E60	100	-	74	-	49	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	B	
	RF HSK-E063-SGER32M-120 +RF N32SGMXR	E60	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	B	
	RF HSK-E063-SGER32M-160 +RF N32SGMXR	E60	160	-	134	-	57	52	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.10	B	

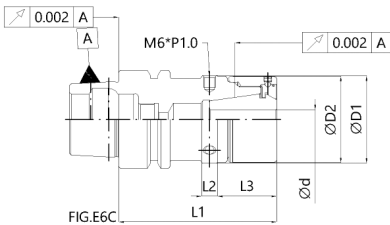
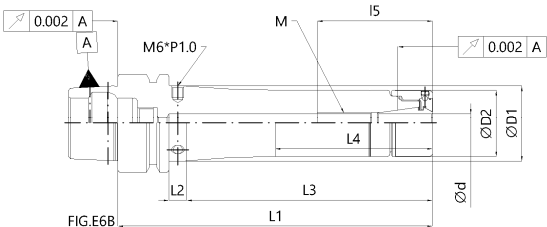
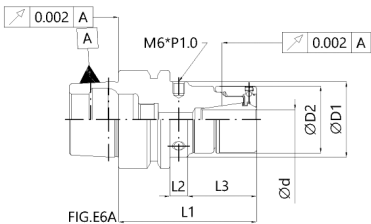
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supERgrip SGER & ER // RF HSK-E-SGER+RF NSGX nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGX

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGX



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E032-SGER16-070 +RF N16SGXR nano	E6C	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.50	B	
◎	RF HSK-E032-SGER16-100 +RF N16SGXR nano	E6C	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	RF HSK-E032-SGER20-070 +RF N20SGXR nano	E6C	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.60	B	
◎	RF HSK-E032-SGER20-100 +RF N20SGXR nano	E6C	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	RF HSK-E032-SGER25-070 +RF N25SGXR nano	E6C	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.80	B	
◎	RF HSK-E032-SGER25-100 +RF N25SGXR nano	E6C	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E040-SGER16-070 +RF N16SGXR nano	E6C	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
◎	RF HSK-E040-SGER16-100 +RF N16SGXR nano	E6C	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
◎	RF HSK-E040-SGER20-070 +RF N20SGXR nano	E6C	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
◎	RF HSK-E040-SGER20-100 +RF N20SGXR nano	E6C	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
◎	RF HSK-E040-SGER25-070 +RF N25SGXR nano	E6C	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
◎	RF HSK-E040-SGER25-100 +RF N25SGXR nano	E6C	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
◎	RF HSK-E040-SGER32-070 +RF N32SGXR nano	E6C	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
◎	RF HSK-E040-SGER32-100 +RF N32SGXR nano	E6C	100	8	72	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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supERgrip SGER & ER // RF HSK-E-SGER+RF NSGXR nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

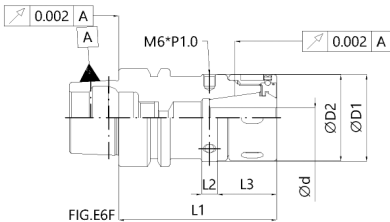
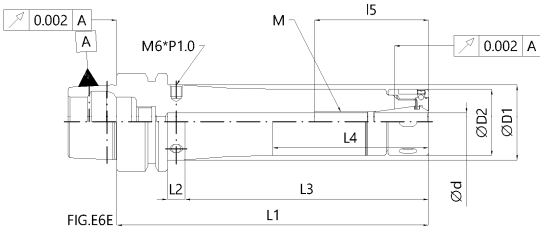
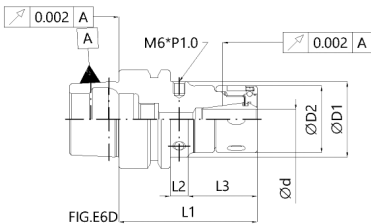
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E050-SGER16-070 +RF N16SGXR nano	E6A	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
◎	RF HSK-E050-SGER16-100 +RF N16SGXR nano	E6A	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
○	RF HSK-E050-SGER16-120 +RF N16SGXR nano	E6A	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF HSK-E050-SGER16-160 +RF N16SGXR nano	E6B	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF HSK-E050-SGER20-070 +RF N20SGXR nano	E6A	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
◎	RF HSK-E050-SGER20-100 +RF N20SGXR nano	E6A	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
○	RF HSK-E050-SGER20-120 +RF N20SGXR nano	E6A	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF HSK-E050-SGER20-160 +RF N20SGXR nano	E6B	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF HSK-E050-SGER25-080 +RF N25SGXR nano	E6C	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
◎	RF HSK-E050-SGER25-100 +RF N25SGXR nano	E6C	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF HSK-E050-SGER25-120 +RF N25SGXR nano	E6C	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF HSK-E050-SGER25-160 +RF N25SGXR nano	E6C	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF HSK-E050-SGER32-080 +RF N32SGXR nano	E6C	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
◎	RF HSK-E050-SGER32-100 +RF N32SGXR nano	E6C	100	8	50	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF HSK-E050-SGER32-120 +RF N32SGXR nano	E6C	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF HSK-E050-SGER32-160 +RF N32SGXR nano	E6C	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
◎	RF HSK-E050-SGER40-080 +RF N40SGXR nano	E6C	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
◎	RF HSK-E050-SGER40-100 +RF N40SGXR nano	E6C	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
○	RF HSK-E050-SGER40-120 +RF N40SGXR nano	E6C	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	RF HSK-E050-SGER40-160 +RF N40SGXR nano	E6C	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-E063-SGER16-070 +RF N16SGXR nano	E6A	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
	RF HSK-E063-SGER16-100 +RF N16SGXR nano	E6A	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
	RF HSK-E063-SGER16-120 +RF N16SGXR nano	E6A	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF HSK-E063-SGER16-160 +RF N16SGXR nano	E6B	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
	RF HSK-E063-SGER20-070 +RF N20SGXR nano	E6A	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
	RF HSK-E063-SGER20-100 +RF N20SGXR nano	E6A	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
	RF HSK-E063-SGER20-120 +RF N20SGXR nano	E6A	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF HSK-E063-SGER20-160 +RF N20SGXR nano	E6B	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
	RF HSK-E063-SGER25-080 +RF N25SGXR nano	E6A	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
	RF HSK-E063-SGER25-100 +RF N25SGXR nano	E6A	100	9	65	-	51	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
	RF HSK-E063-SGER25-120 +RF N25SGXR nano	E6A	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF HSK-E063-SGER25-160 +RF N25SGXR nano	E6B	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
	RF HSK-E063-SGER32-080 +RF N32SGXR nano	E6A	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
	RF HSK-E063-SGER32-100 +RF N32SGXR nano	E6A	100	9	65	-	49	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
	RF HSK-E063-SGER32-120 +RF N32SGXR nano	E6A	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF HSK-E063-SGER32-160 +RF N32SGXR nano	E6A	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
	RF HSK-E063-SGER40-080 +RF N40SGXR nano	E6C	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
	RF HSK-E063-SGER40-100 +RF N40SGXR nano	E6C	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
	RF HSK-E063-SGER40-120 +RF N40SGXR nano	E6C	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
	RF HSK-E063-SGER40-160 +RF N40SGXR nano	E6C	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-E-SGER+RF NSGX nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E032-SGER16-070 +RF N16SGX nano	E6F	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.50	B	
◎	RF HSK-E032-SGER16-100 +RF N16SGX nano	E6F	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	RF HSK-E032-SGER20-070 +RF N20SGX nano	E6F	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.60	B	
◎	RF HSK-E032-SGER20-100 +RF N20SGX nano	E6F	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	RF HSK-E032-SGER25-070 +RF N25SGX nano	E6F	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.80	B	
◎	RF HSK-E032-SGER25-100 +RF N25SGX nano	E6F	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E040-SGER16-070 +RF N16SGX nano	E6F	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
◎	RF HSK-E040-SGER16-100 +RF N16SGX nano	E6F	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
◎	RF HSK-E040-SGER20-070 +RF N20SGX nano	E6F	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
◎	RF HSK-E040-SGER20-100 +RF N20SGX nano	E6F	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
◎	RF HSK-E040-SGER25-070 +RF N25SGX nano	E6F	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
◎	RF HSK-E040-SGER25-100 +RF N25SGX nano	E6F	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
◎	RF HSK-E040-SGER32-070 +RF N32SGX nano	E6F	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
◎	RF HSK-E040-SGER32-100 +RF N32SGX nano	E6F	100	8	72	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E050-SGER16-070 +RF N16SGX nano	E6D	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
◎	RF HSK-E050-SGER16-100 +RF N16SGX nano	E6D	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
○	RF HSK-E050-SGER16-120 +RF N16SGX nano	E6D	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF HSK-E050-SGER16-160 +RF N16SGX nano	E6E	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF HSK-E050-SGER20-070 +RF N20SGX nano	E6D	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
◎	RF HSK-E050-SGER20-100 +RF N20SGX nano	E6D	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
○	RF HSK-E050-SGER20-120 +RF N20SGX nano	E6D	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF HSK-E050-SGER20-160 +RF N20SGX nano	E6E	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF HSK-E050-SGER25-080 +RF N25SGX nano	E6F	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
◎	RF HSK-E050-SGER25-100 +RF N25SGX nano	E6F	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF HSK-E050-SGER25-120 +RF N25SGX nano	E6F	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF HSK-E050-SGER25-160 +RF N25SGX nano	E6F	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF HSK-E050-SGER32-080 +RF N32SGX nano	E6F	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
◎	RF HSK-E050-SGER32-100 +RF N32SGX nano	E6F	100	8	50	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF HSK-E050-SGER32-120 +RF N32SGX nano	E6F	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF HSK-E050-SGER32-160 +RF N32SGX nano	E6F	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
◎	RF HSK-E050-SGER40-080 +RF N40SGX nano	E6F	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
◎	RF HSK-E050-SGER40-100 +RF N40SGX nano	E6F	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
○	RF HSK-E050-SGER40-120 +RF N40SGX nano	E6F	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	RF HSK-E050-SGER40-160 +RF N40SGX nano	E6F	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-E063-SGER16-070 +RF N16SGX nano	E6D	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
	RF HSK-E063-SGER16-100 +RF N16SGX nano	E6D	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
	RF HSK-E063-SGER16-120 +RF N16SGX nano	E6D	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF HSK-E063-SGER16-160 +RF N16SGX nano	E6E	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
	RF HSK-E063-SGER20-070 +RF N20SGX nano	E6D	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
	RF HSK-E063-SGER20-100 +RF N20SGX nano	E6D	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
	RF HSK-E063-SGER20-120 +RF N20SGX nano	E6D	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF HSK-E063-SGER20-160 +RF N20SGX nano	E6E	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
	RF HSK-E063-SGER25-080 +RF N25SGX nano	E6D	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
	RF HSK-E063-SGER25-100 +RF N25SGX nano	E6D	100	9	65	-	51	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
	RF HSK-E063-SGER25-120 +RF N25SGX nano	E6D	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF HSK-E063-SGER25-160 +RF N25SGX nano	E6E	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
	RF HSK-E063-SGER32-080 +RF N32SGX nano	E6D	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
	RF HSK-E063-SGER32-100 +RF N32SGX nano	E6D	100	9	65	-	49	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
	RF HSK-E063-SGER32-120 +RF N32SGX nano	E6D	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF HSK-E063-SGER32-160 +RF N32SGX nano	E6D	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
	RF HSK-E063-SGER40-080 +RF N40SGX nano	E6F	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
	RF HSK-E063-SGER40-100 +RF N40SGX nano	E6F	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
	RF HSK-E063-SGER40-120 +RF N40SGX nano	E6F	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
	RF HSK-E063-SGER40-160 +RF N40SGX nano	E6F	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	

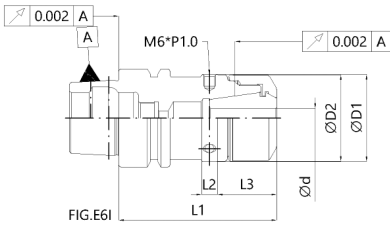
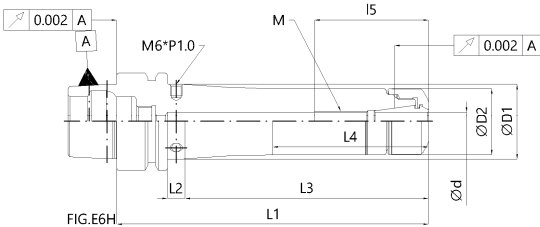
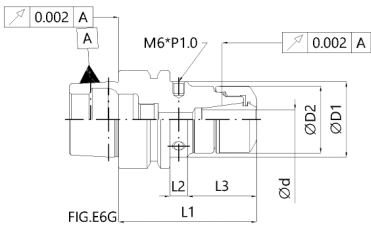
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RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E032-SGER16-070 +RF N16SGSXR	E6I	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.50	B	
◎	RF HSK-E032-SGER16-100 +RF N16SGSXR	E6I	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	RF HSK-E032-SGER20-070 +RF N20SGSXR	E6I	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.60	B	
◎	RF HSK-E032-SGER20-100 +RF N20SGSXR	E6I	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	RF HSK-E032-SGER25-070 +RF N25SGSXR	E6I	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.80	B	
◎	RF HSK-E032-SGER25-100 +RF N25SGSXR	E6I	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E040-SGER16-070 +RF N16SGSXR	E6I	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
◎	RF HSK-E040-SGER16-100 +RF N16SGSXR	E6I	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
◎	RF HSK-E040-SGER20-070 +RF N20SGSXR	E6I	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
◎	RF HSK-E040-SGER20-100 +RF N20SGSXR	E6I	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
◎	RF HSK-E040-SGER25-070 +RF N25SGSXR	E6I	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
◎	RF HSK-E040-SGER25-100 +RF N25SGSXR	E6I	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
◎	RF HSK-E040-SGER32-070 +RF N32SGSXR	E6I	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
◎	RF HSK-E040-SGER32-100 +RF N32SGSXR	E6I	100	8	72	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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 RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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

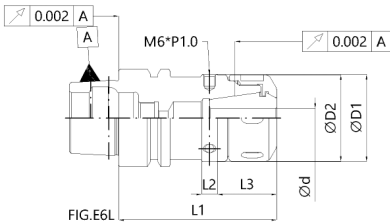
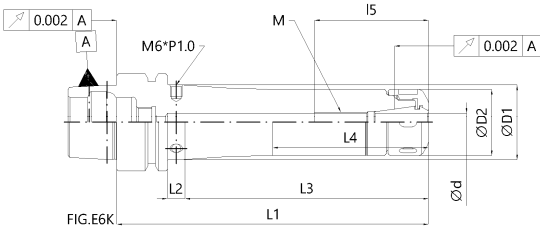
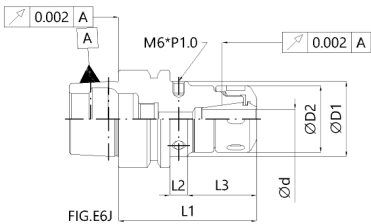
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E050-SGER16-070 +RF N16SGSXR	E6G	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
◎	RF HSK-E050-SGER16-100 +RF N16SGSXR	E6G	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
○	RF HSK-E050-SGER16-120 +RF N16SGSXR	E6G	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF HSK-E050-SGER16-160 +RF N16SGSXR	E6H	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF HSK-E050-SGER20-070 +RF N20SGSXR	E6G	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
◎	RF HSK-E050-SGER20-100 +RF N20SGSXR	E6G	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
○	RF HSK-E050-SGER20-120 +RF N20SGSXR	E6G	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF HSK-E050-SGER20-160 +RF N20SGSXR	E6H	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF HSK-E050-SGER25-080 +RF N25SGSXR	E6I	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
◎	RF HSK-E050-SGER25-100 +RF N25SGSXR	E6I	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF HSK-E050-SGER25-120 +RF N25SGSXR	E6I	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF HSK-E050-SGER25-160 +RF N25SGSXR	E6I	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF HSK-E050-SGER32-080 +RF N32SGSXR	E6I	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
◎	RF HSK-E050-SGER32-100 +RF N32SGSXR	E6I	100	8	50	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF HSK-E050-SGER32-120 +RF N32SGSXR	E6I	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF HSK-E050-SGER32-160 +RF N32SGSXR	E6I	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
◎	RF HSK-E050-SGER40-080 +RF N40SGSXR	E6I	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
◎	RF HSK-E050-SGER40-100 +RF N40SGSXR	E6I	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
○	RF HSK-E050-SGER40-120 +RF N40SGSXR	E6I	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	RF HSK-E050-SGER40-160 +RF N40SGSXR	E6I	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-E063-SGER16-070 +RF N16SGSXR	E6G	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
	RF HSK-E063-SGER16-100 +RF N16SGSXR	E6G	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
	RF HSK-E063-SGER16-120 +RF N16SGSXR	E6G	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF HSK-E063-SGER16-160 +RF N16SGSXR	E6H	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
	RF HSK-E063-SGER20-070 +RF N20SGSXR	E6G	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
	RF HSK-E063-SGER20-100 +RF N20SGSXR	E6G	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
	RF HSK-E063-SGER20-120 +RF N20SGSXR	E6G	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF HSK-E063-SGER20-160 +RF N20SGSXR	E6H	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
	RF HSK-E063-SGER25-080 +RF N25SGSXR	E6G	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
	RF HSK-E063-SGER25-100 +RF N25SGSXR	E6G	100	9	65	-	51	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
	RF HSK-E063-SGER25-120 +RF N25SGSXR	E6G	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF HSK-E063-SGER25-160 +RF N25SGSXR	E6H	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
	RF HSK-E063-SGER32-080 +RF N32SGSXR	E6G	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
	RF HSK-E063-SGER32-100 +RF N32SGSXR	E6G	100	9	65	-	49	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
	RF HSK-E063-SGER32-120 +RF N32SGSXR	E6G	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF HSK-E063-SGER32-160 +RF N32SGSXR	E6G	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
	RF HSK-E063-SGER40-080 +RF N40SGSXR	E6I	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
	RF HSK-E063-SGER40-100 +RF N40SGSXR	E6I	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
	RF HSK-E063-SGER40-120 +RF N40SGSXR	E6I	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
	RF HSK-E063-SGER40-160 +RF N40SGSXR	E6I	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-E-SGER+RF NSGSX

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E032-SGER16-070 +RF N16SGSX	E6L	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.50	B	
◎	RF HSK-E032-SGER16-100 +RF N16SGSX	E6L	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
◎	RF HSK-E032-SGER20-070 +RF N20SGSX	E6L	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.60	B	
◎	RF HSK-E032-SGER20-100 +RF N20SGSX	E6L	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	RF HSK-E032-SGER25-070 +RF N25SGSX	E6L	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.80	B	
◎	RF HSK-E032-SGER25-100 +RF N25SGSX	E6L	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E040-SGER16-070 +RF N16SGSX	E6L	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
◎	RF HSK-E040-SGER16-100 +RF N16SGSX	E6L	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
◎	RF HSK-E040-SGER20-070 +RF N20SGSX	E6L	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
◎	RF HSK-E040-SGER20-100 +RF N20SGSX	E6L	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
◎	RF HSK-E040-SGER25-070 +RF N25SGSX	E6L	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
◎	RF HSK-E040-SGER25-100 +RF N25SGSX	E6L	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
◎	RF HSK-E040-SGER32-070 +RF N32SGSX	E6L	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
◎	RF HSK-E040-SGER32-100 +RF N32SGSX	E6L	100	8	72	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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supERgrip SGER & ER // RF HSK-E-SGER+RF NSGSX

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

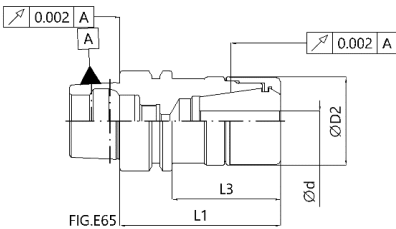
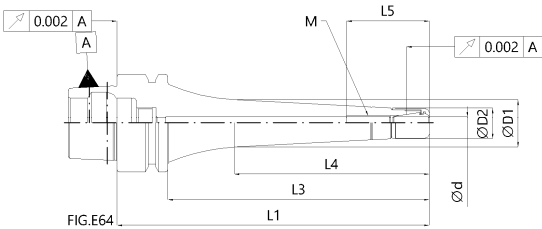
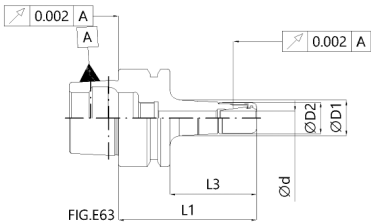
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	RF HSK-E050-SGER16-070 +RF N16SGSX	E6J	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
◎	RF HSK-E050-SGER16-100 +RF N16SGSX	E6J	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
○	RF HSK-E050-SGER16-120 +RF N16SGSX	E6J	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF HSK-E050-SGER16-160 +RF N16SGSX	E6K	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
◎	RF HSK-E050-SGER20-070 +RF N20SGSX	E6J	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
◎	RF HSK-E050-SGER20-100 +RF N20SGSX	E6J	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
○	RF HSK-E050-SGER20-120 +RF N20SGSX	E6J	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF HSK-E050-SGER20-160 +RF N20SGSX	E6K	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
◎	RF HSK-E050-SGER25-080 +RF N25SGSX	E6L	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
◎	RF HSK-E050-SGER25-100 +RF N25SGSX	E6L	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF HSK-E050-SGER25-120 +RF N25SGSX	E6L	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF HSK-E050-SGER25-160 +RF N25SGSX	E6L	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
◎	RF HSK-E050-SGER32-080 +RF N32SGSX	E6L	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
◎	RF HSK-E050-SGER32-100 +RF N32SGSX	E6L	100	8	50	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF HSK-E050-SGER32-120 +RF N32SGSX	E6L	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF HSK-E050-SGER32-160 +RF N32SGSX	E6L	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
◎	RF HSK-E050-SGER40-080 +RF N40SGSX	E6L	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
◎	RF HSK-E050-SGER40-100 +RF N40SGSX	E6L	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
○	RF HSK-E050-SGER40-120 +RF N40SGSX	E6L	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
○	RF HSK-E050-SGER40-160 +RF N40SGSX	E6L	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-E063-SGER16-070 +RF N16SGSX	E6J	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
	RF HSK-E063-SGER16-100 +RF N16SGSX	E6J	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
	RF HSK-E063-SGER16-120 +RF N16SGSX	E6J	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	RF HSK-E063-SGER16-160 +RF N16SGSX	E6K	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
	RF HSK-E063-SGER20-070 +RF N20SGSX	E6J	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
	RF HSK-E063-SGER20-100 +RF N20SGSX	E6J	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
	RF HSK-E063-SGER20-120 +RF N20SGSX	E6J	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	RF HSK-E063-SGER20-160 +RF N20SGSX	E6K	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
	RF HSK-E063-SGER25-080 +RF N25SGSX	E6J	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
	RF HSK-E063-SGER25-100 +RF N25SGSX	E6J	100	9	65	-	51	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
	RF HSK-E063-SGER25-120 +RF N25SGSX	E6J	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	RF HSK-E063-SGER25-160 +RF N25SGSX	E6K	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
	RF HSK-E063-SGER32-080 +RF N32SGSX	E6J	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
	RF HSK-E063-SGER32-100 +RF N32SGSX	E6J	100	9	65	-	49	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
	RF HSK-E063-SGER32-120 +RF N32SGSX	E6J	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	RF HSK-E063-SGER32-160 +RF N32SGSX	E6J	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
	RF HSK-E063-SGER40-080 +RF N40SGSX	E6L	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
	RF HSK-E063-SGER40-100 +RF N40SGSX	E6L	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
	RF HSK-E063-SGER40-120 +RF N40SGSX	E6L	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
	RF HSK-E063-SGER40-160 +RF N40SGSX	E6L	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-E-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



動平衡G2.5/40,000RPM或小于1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E020-SGER11M-040 +RF N11SGMXR	E63	40	-	32	-	-	-	16	RY0160	0.5~7.0	ER11	-	0.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E025-SGER11M-050 +RF N11SGMXR	E63	50	-	40	-	-	18	16	RY0160	0.5~7.0	ER11	-	0.10	B	
	HSK-E025-SGER16M-050 +RF N16SGMXR	E65	50	-	40	-	-	-	24	RY0240	0.5~10.0	ER16	-	0.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E032-SGER11M-050 +RF N11SGMXR	E63	50	-	30	-	-	17	16	RY0160	0.5~7.0	ER11	-	0.10	B	
	HSK-E032-SGER11M-070 +RF N11SGMXR	E63	70	-	50	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.30	B	
	HSK-E032-SGER11M-100 +RF N11SGMXR	E63	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
	HSK-E032-SGER16M-050 +RF N16SGMXR	E63	50	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.20	B	
	HSK-E032-SGER16M-070 +RF N16SGMXR	E63	70	-	50	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.40	B	
	HSK-E032-SGER16M-100 +RF N16SGMXR	E63	100	-	80	-	46	26	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.70	B	
	HSK-E032-SGER20M-070 +RF N20SGMXR	E65	70	-	50	-	-	-	28	RY0280	0.5~13.0	ER20	-	0.50	B	
	HSK-E032-SGER20M-100 +RF N20SGMXR	E65	100	-	80	-	51	-	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.80	B	
	HSK-E032-SGER25M-070 +RF N25SGMXR	E65	70	-	50	-	-	-	36	RY0360	0.5~16.0	ER25	-	0.70	B	
	HSK-E032-SGER25M-100 +RF N25SGMXR	E65	100	-	80	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E040-SGER11M-050 +RF N11SGMXR	E63	50	-	30	-	-	17	16	RY0160	0.5~7.0	ER11	-	0.20	B	
	HSK-E040-SGER11M-070 +RF N11SGMXR	E63	70	-	50	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	B	
	HSK-E040-SGER11M-100 +RF N11SGMXR	E63	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.70	B	
	HSK-E040-SGER16M-050 +RF N16SGMXR	E63	50	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.30	B	
	HSK-E040-SGER16M-070 +RF N16SGMXR	E63	70	-	50	-	-	27	24	RY0240	0.5~10.0	ER16	-	0.50	B	
	HSK-E040-SGER16M-100 +RF N16SGMXR	E63	100	-	80	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-E040-SGER20M-070 +RF N20SGMXR	E63	70	-	50	-	-	31	28	RY0280	0.5~13.0	ER20	-	0.60	B	
	HSK-E040-SGER20M-100 +RF N20SGMXR	E63	100	-	80	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.90	B	
	HSK-E040-SGER25M-070 +RF N25SGMXR	E65	70	-	50	-	-	-	36	RY0360	0.5~16.0	ER25	-	0.80	B	
	HSK-E040-SGER25M-100 +RF N25SGMXR	E65	100	-	80	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.10	B	
	HSK-E040-SGER32M-070 +RF N32SGMXR	E65	70	-	50	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.00	B	
	HSK-E040-SGER32M-100 +RF N32SGMXR	E65	100	-	80	-	55	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.30	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-E-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E050-SGER11M-070 +RF N11SGMXR	E63	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.50	B	
	HSK-E050-SGER11M-100 +RF N11SGMXR	E63	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
	HSK-E050-SGER11M-120 +RF N11SGMXR	E63	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.00	B	
	HSK-E050-SGER11M-160 +RF N11SGMXR	E64	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	B	
	HSK-E050-SGER16M-070 +RF N16SGMXR	E63	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.60	B	
	HSK-E050-SGER16M-100 +RF N16SGMXR	E63	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-E050-SGER16M-120 +RF N16SGMXR	E63	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-E050-SGER16M-160 +RF N16SGMXR	E64	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.50	B	
	HSK-E050-SGER20M-070 +RF N20SGMXR	E63	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.70	B	
	HSK-E050-SGER20M-100 +RF N20SGMXR	E63	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-E050-SGER20M-120 +RF N20SGMXR	E63	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-E050-SGER20M-160 +RF N20SGMXR	E64	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.60	B	
	HSK-E050-SGER25M-080 +RF N25SGMXR	E63	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.00	B	
	HSK-E050-SGER25M-100 +RF N25SGMXR	E63	100	-	74	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-E050-SGER25M-120 +RF N25SGMXR	E63	120	-	94	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-E050-SGER25M-160 +RF N25SGMXR	E63	160	-	134	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.80	B	
	HSK-E050-SGER32M-080 +RF N32SGMXR	E65	80	-	54	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.20	B	
	HSK-E050-SGER32M-100 +RF N32SGMXR	E65	100	-	74	-	51	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	
	HSK-E050-SGER32M-120 +RF N32SGMXR	E65	120	-	94	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-E050-SGER32M-160 +RF N32SGMXR	E65	160	-	134	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E063-SGER11M-070 +RF N11SGMXR	E63	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
	HSK-E063-SGER11M-100 +RF N11SGMXR	E63	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	B	
	HSK-E063-SGER11M-120 +RF N11SGMXR	E63	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	B	
	HSK-E063-SGER11M-160 +RF N11SGMXR	E64	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.50	B	
	HSK-E063-SGER16M-070 +RF N16SGMXR	E63	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.70	B	
	HSK-E063-SGER16M-100 +RF N16SGMXR	E63	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-E063-SGER16M-120 +RF N16SGMXR	E63	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-E063-SGER16M-160 +RF N16SGMXR	E64	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-E063-SGER20M-070 +RF N20SGMXR	E63	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.80	B	
	HSK-E063-SGER20M-100 +RF N20SGMXR	E63	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-E063-SGER20M-120 +RF N20SGMXR	E63	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-E063-SGER20M-160 +RF N20SGMXR	E64	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-E063-SGER25M-080 +RF N25SGMXR	E63	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.10	B	
	HSK-E063-SGER25M-100 +RF N25SGMXR	E63	100	-	74	-	51	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-E063-SGER25M-120 +RF N25SGMXR	E63	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-E063-SGER25M-160 +RF N25SGMXR	E63	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-E063-SGER32M-080 +RF N32SGMXR	E63	80	-	54	-	-	47	44	RY0440	2.0~20.0	ER32	-	1.30	B	
	HSK-E063-SGER32M-100 +RF N32SGMXR	E63	100	-	74	-	49	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-E063-SGER32M-120 +RF N32SGMXR	E63	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-E063-SGER32M-160 +RF N32SGMXR	E63	160	-	134	-	57	52	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.10	B	

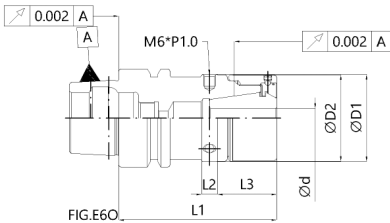
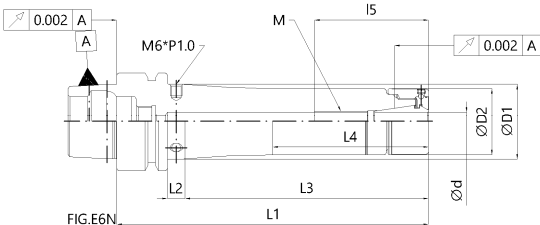
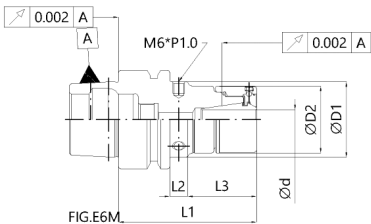
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supERgrip SGER & ER // HSK-E-SGER+RF NSGXR nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-E032-SGER16-070 +RF N16SGXR nano	E6O	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.50	B	
	HSK-E032-SGER16-100 +RF N16SGXR nano	E6O	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-E032-SGER20-070 +RF N20SGXR nano	E6O	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.60	B	
	HSK-E032-SGER20-100 +RF N20SGXR nano	E6O	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	HSK-E032-SGER25-070 +RF N25SGXR nano	E6O	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.80	B	
	HSK-E032-SGER25-100 +RF N25SGXR nano	E6O	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-E040-SGER16-070 +RF N16SGXR nano	E6O	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
	HSK-E040-SGER16-100 +RF N16SGXR nano	E6O	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-E040-SGER20-070 +RF N20SGXR nano	E6O	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
	HSK-E040-SGER20-100 +RF N20SGXR nano	E6O	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
◎	HSK-E040-SGER25-070 +RF N25SGXR nano	E6O	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
	HSK-E040-SGER25-100 +RF N25SGXR nano	E6O	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-E040-SGER32-070 +RF N32SGXR nano	E6O	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
	HSK-E040-SGER32-100 +RF N32SGXR nano	E6O	100	8	72	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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 supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E050-SGER16-070 +RF N16SGXR nano	E6M	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
	HSK-E050-SGER16-100 +RF N16SGXR nano	E6M	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-E050-SGER16-120 +RF N16SGXR nano	E6M	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-E050-SGER16-160 +RF N16SGXR nano	E6N	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-E050-SGER20-070 +RF N20SGXR nano	E6M	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
	HSK-E050-SGER20-100 +RF N20SGXR nano	E6M	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-E050-SGER20-120 +RF N20SGXR nano	E6M	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-E050-SGER20-160 +RF N20SGXR nano	E6N	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-E050-SGER25-080 +RF N25SGXR nano	E6O	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
	HSK-E050-SGER25-100 +RF N25SGXR nano	E6O	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-E050-SGER25-120 +RF N25SGXR nano	E6O	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-E050-SGER25-160 +RF N25SGXR nano	E6O	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-E050-SGER32-080 +RF N32SGXR nano	E6O	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
	HSK-E050-SGER32-100 +RF N32SGXR nano	E6O	100	8	50	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-E050-SGER32-120 +RF N32SGXR nano	E6O	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-E050-SGER32-160 +RF N32SGXR nano	E6O	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-E050-SGER40-080 +RF N40SGXR nano	E6O	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
	HSK-E050-SGER40-100 +RF N40SGXR nano	E6O	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
	HSK-E050-SGER40-120 +RF N40SGXR nano	E6O	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-E050-SGER40-160 +RF N40SGXR nano	E6O	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E063-SGER16-070 +RF N16SGXR nano	E6M	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
	HSK-E063-SGER16-100 +RF N16SGXR nano	E6M	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-E063-SGER16-120 +RF N16SGXR nano	E6M	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	HSK-E063-SGER16-160 +RF N16SGXR nano	E6N	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-E063-SGER20-070 +RF N20SGXR nano	E6M	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
	HSK-E063-SGER20-100 +RF N20SGXR nano	E6M	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-E063-SGER20-120 +RF N20SGXR nano	E6M	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	HSK-E063-SGER20-160 +RF N20SGXR nano	E6N	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
	HSK-E063-SGER25-080 +RF N25SGXR nano	E6M	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
	HSK-E063-SGER25-100 +RF N25SGXR nano	E6M	100	9	65	-	52	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-E063-SGER25-120 +RF N25SGXR nano	E6M	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-E063-SGER25-160 +RF N25SGXR nano	E6N	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-E063-SGER32-080 +RF N32SGXR nano	E6M	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
	HSK-E063-SGER32-100 +RF N32SGXR nano	E6M	100	9	65	-	49	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-E063-SGER32-120 +RF N32SGXR nano	E6M	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	HSK-E063-SGER32-160 +RF N32SGXR nano	E6M	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-E063-SGER40-080 +RF N40SGXR nano	E6O	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
	HSK-E063-SGER40-100 +RF N40SGXR nano	E6O	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
	HSK-E063-SGER40-120 +RF N40SGXR nano	E6O	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
	HSK-E063-SGER40-160 +RF N40SGXR nano	E6O	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	

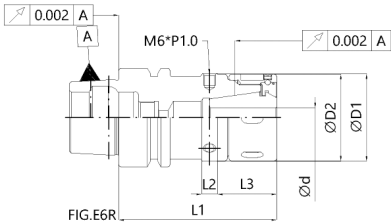
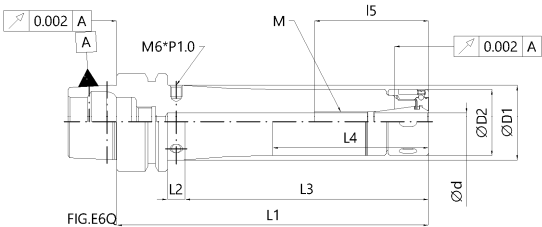
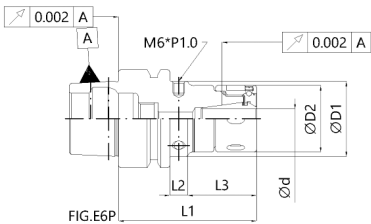
STOCK ◎=標準在庫品 // STOCK ○=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK無標示=接單生產品 // STOCK BLANK=on request

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-E-SGER+RF NSGX nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-E032-SGER16-070 +RF N16SGX nano	E6R	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.50	B	
	HSK-E032-SGER16-100 +RF N16SGX nano	E6R	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-E032-SGER20-070 +RF N20SGX nano	E6R	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.60	B	
	HSK-E032-SGER20-100 +RF N20SGX nano	E6R	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	HSK-E032-SGER25-070 +RF N25SGX nano	E6R	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.80	B	
	HSK-E032-SGER25-100 +RF N25SGX nano	E6R	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-E040-SGER16-070 +RF N16SGX nano	E6R	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
	HSK-E040-SGER16-100 +RF N16SGX nano	E6R	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-E040-SGER20-070 +RF N20SGX nano	E6R	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
	HSK-E040-SGER20-100 +RF N20SGX nano	E6R	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
◎	HSK-E040-SGER25-070 +RF N25SGX nano	E6R	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
	HSK-E040-SGER25-100 +RF N25SGX nano	E6R	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-E040-SGER32-070 +RF N32SGX nano	E6R	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
	HSK-E040-SGER32-100 +RF N32SGX nano	E6R	100	8	72	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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

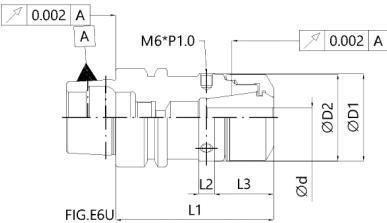
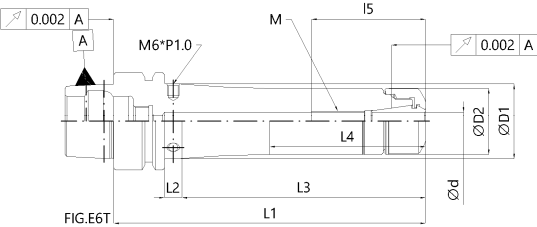
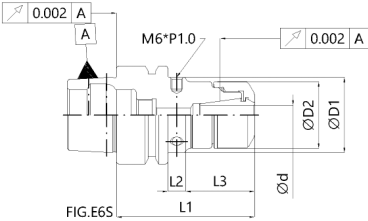
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E050-SGER16-070 +RF N16SGX nano	E6P	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
	HSK-E050-SGER16-100 +RF N16SGX nano	E6P	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-E050-SGER16-120 +RF N16SGX nano	E6P	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-E050-SGER16-160 +RF N16SGX nano	E6Q	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-E050-SGER20-070 +RF N20SGX nano	E6P	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
	HSK-E050-SGER20-100 +RF N20SGX nano	E6P	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-E050-SGER20-120 +RF N20SGX nano	E6P	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-E050-SGER20-160 +RF N20SGX nano	E6Q	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-E050-SGER25-080 +RF N25SGX nano	E6R	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
	HSK-E050-SGER25-100 +RF N25SGX nano	E6R	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-E050-SGER25-120 +RF N25SGX nano	E6R	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-E050-SGER25-160 +RF N25SGX nano	E6R	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-E050-SGER32-080 +RF N32SGX nano	E6R	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
	HSK-E050-SGER32-100 +RF N32SGX nano	E6R	100	8	50	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-E050-SGER32-120 +RF N32SGX nano	E6R	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-E050-SGER32-160 +RF N32SGX nano	E6R	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-E050-SGER40-080 +RF N40SGX nano	E6R	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
	HSK-E050-SGER40-100 +RF N40SGX nano	E6R	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
	HSK-E050-SGER40-120 +RF N40SGX nano	E6R	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-E050-SGER40-160 +RF N40SGX nano	E6R	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E063-SGER16-070 +RF N16SGX nano	E6P	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
	HSK-E063-SGER16-100 +RF N16SGX nano	E6P	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-E063-SGER16-120 +RF N16SGX nano	E6P	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	HSK-E063-SGER16-160 +RF N16SGX nano	E6Q	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-E063-SGER20-070 +RF N20SGX nano	E6P	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
	HSK-E063-SGER20-100 +RF N20SGX nano	E6P	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-E063-SGER20-120 +RF N20SGX nano	E6P	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	HSK-E063-SGER20-160 +RF N20SGX nano	E6Q	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
	HSK-E063-SGER25-080 +RF N25SGX nano	E6P	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
	HSK-E063-SGER25-100 +RF N25SGX nano	E6P	100	9	65	-	51	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-E063-SGER25-120 +RF N25SGX nano	E6P	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-E063-SGER25-160 +RF N25SGX nano	E6Q	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-E063-SGER32-080 +RF N32SGX nano	E6P	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
	HSK-E063-SGER32-100 +RF N32SGX nano	E6P	100	9	65	-	49	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-E063-SGER32-120 +RF N32SGX nano	E6P	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	HSK-E063-SGER32-160 +RF N32SGX nano	E6P	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-E063-SGER40-080 +RF N40SGX nano	E6R	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
	HSK-E063-SGER40-100 +RF N40SGX nano	E6R	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
	HSK-E063-SGER40-120 +RF N40SGX nano	E6R	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
	HSK-E063-SGER40-160 +RF N40SGX nano	E6R	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	

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supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-E032-SGER16-070 +RF N16SGSXR	E6U	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.50	B	
	HSK-E032-SGER16-100 +RF N16SGSXR	E6U	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-E032-SGER20-070 +RF N20SGSXR	E6U	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.60	B	
	HSK-E032-SGER20-100 +RF N20SGSXR	E6U	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	HSK-E032-SGER25-070 +RF N25SGSXR	E6U	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.80	B	
	HSK-E032-SGER25-100 +RF N25SGSXR	E6U	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-E040-SGER16-070 +RF N16SGSXR	E6U	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
	HSK-E040-SGER16-100 +RF N16SGSXR	E6U	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-E040-SGER20-070 +RF N20SGSXR	E6U	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
	HSK-E040-SGER20-100 +RF N20SGSXR	E6U	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
◎	HSK-E040-SGER25-070 +RF N25SGSXR	E6U	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
	HSK-E040-SGER25-100 +RF N25SGSXR	E6U	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-E040-SGER32-070 +RF N32SGSXR	E6U	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
	HSK-E040-SGER32-100 +RF N32SGSXR	E6U	100	8	72	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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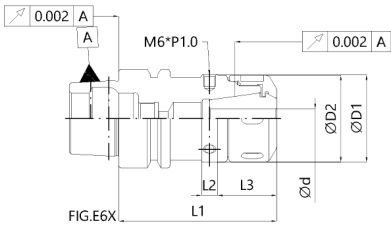
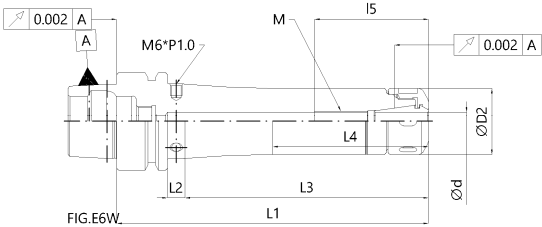
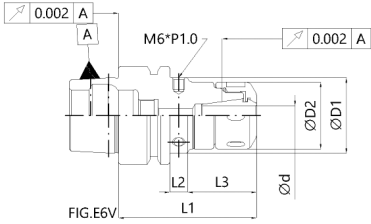
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E050-SGER16-070 +RF N16SGSXR	E6S	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
	HSK-E050-SGER16-100 +RF N16SGSXR	E6S	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-E050-SGER16-120 +RF N16SGSXR	E6S	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-E050-SGER16-160 +RF N16SGSXR	E6T	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-E050-SGER20-070 +RF N20SGSXR	E6S	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
	HSK-E050-SGER20-100 +RF N20SGSXR	E6S	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-E050-SGER20-120 +RF N20SGSXR	E6S	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-E050-SGER20-160 +RF N20SGSXR	E6T	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-E050-SGER25-080 +RF N25SGSXR	E6U	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
	HSK-E050-SGER25-100 +RF N25SGSXR	E6U	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-E050-SGER25-120 +RF N25SGSXR	E6U	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-E050-SGER25-160 +RF N25SGSXR	E6U	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-E050-SGER32-080 +RF N32SGSXR	E6U	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
	HSK-E050-SGER32-100 +RF N32SGSXR	E6U	100	8	50	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-E050-SGER32-120 +RF N32SGSXR	E6U	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-E050-SGER32-160 +RF N32SGSXR	E6U	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-E050-SGER40-080 +RF N40SGSXR	E6U	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
	HSK-E050-SGER40-100 +RF N40SGSXR	E6U	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
	HSK-E050-SGER40-120 +RF N40SGSXR	E6U	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-E050-SGER40-160 +RF N40SGSXR	E6U	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E063-SGER16-070 +RF N16SGSXR	E6S	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
	HSK-E063-SGER16-100 +RF N16SGSXR	E6S	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-E063-SGER16-120 +RF N16SGSXR	E6S	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	HSK-E063-SGER16-160 +RF N16SGSXR	E6T	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-E063-SGER20-070 +RF N20SGSXR	E6S	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
	HSK-E063-SGER20-100 +RF N20SGSXR	E6S	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-E063-SGER20-120 +RF N20SGSXR	E6S	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	HSK-E063-SGER20-160 +RF N20SGSXR	E6T	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
	HSK-E063-SGER25-080 +RF N25SGSXR	E6S	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
	HSK-E063-SGER25-100 +RF N25SGSXR	E6S	100	9	65	-	51	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-E063-SGER25-120 +RF N25SGSXR	E6S	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-E063-SGER25-160 +RF N25SGSXR	E6T	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-E063-SGER32-080 +RF N32SGSXR	E6S	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
	HSK-E063-SGER32-100 +RF N32SGSXR	E6S	100	9	65	-	49	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-E063-SGER32-120 +RF N32SGSXR	E6S	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	HSK-E063-SGER32-160 +RF N32SGSXR	E6S	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-E063-SGER40-080 +RF N40SGSXR	E6U	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
	HSK-E063-SGER40-100 +RF N40SGSXR	E6U	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
	HSK-E063-SGER40-120 +RF N40SGSXR	E6U	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
	HSK-E063-SGER40-160 +RF N40SGSXR	E6U	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-E-SGER+RF NSGSX

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-E032-SGER16-070 +RF N16SGSX	E6X	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.50	B	
	HSK-E032-SGER16-100 +RF N16SGSX	E6X	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-E032-SGER20-070 +RF N20SGSX	E6X	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.60	B	
	HSK-E032-SGER20-100 +RF N20SGSX	E6X	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	0.90	B	
◎	HSK-E032-SGER25-070 +RF N25SGSX	E6X	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.80	B	
	HSK-E032-SGER25-100 +RF N25SGSX	E6X	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.10	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	HSK-E040-SGER16-070 +RF N16SGSX	E6X	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
	HSK-E040-SGER16-100 +RF N16SGSX	E6X	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-E040-SGER20-070 +RF N20SGSX	E6X	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
	HSK-E040-SGER20-100 +RF N20SGSX	E6X	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
◎	HSK-E040-SGER25-070 +RF N25SGSX	E6X	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
	HSK-E040-SGER25-100 +RF N25SGSX	E6X	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-E040-SGER32-070 +RF N32SGSX	E6X	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
	HSK-E040-SGER32-100 +RF N32SGSX	E6X	100	8	72	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E050-SGER16-070 +RF N16SGSX	E6V	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
	HSK-E050-SGER16-100 +RF N16SGSX	E6V	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-E050-SGER16-120 +RF N16SGSX	E6V	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-E050-SGER16-160 +RF N16SGSX	E6W	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-E050-SGER20-070 +RF N20SGSX	E6V	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
	HSK-E050-SGER20-100 +RF N20SGSX	E6V	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-E050-SGER20-120 +RF N20SGSX	E6V	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-E050-SGER20-160 +RF N20SGSX	E6W	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-E050-SGER25-080 +RF N25SGSX	E6X	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
	HSK-E050-SGER25-100 +RF N25SGSX	E6X	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-E050-SGER25-120 +RF N25SGSX	E6X	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-E050-SGER25-160 +RF N25SGSX	E6X	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-E050-SGER32-080 +RF N32SGSX	E6X	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
	HSK-E050-SGER32-100 +RF N32SGSX	E6X	100	8	50	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-E050-SGER32-120 +RF N32SGSX	E6X	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-E050-SGER32-160 +RF N32SGSX	E6X	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-E050-SGER40-080 +RF N40SGSX	E6X	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
	HSK-E050-SGER40-100 +RF N40SGSX	E6X	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
	HSK-E050-SGER40-120 +RF N40SGSX	E6X	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-E050-SGER40-160 +RF N40SGSX	E6X	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-E063-SGER16-070 +RF N16SGSX	E6V	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
	HSK-E063-SGER16-100 +RF N16SGSX	E6V	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-E063-SGER16-120 +RF N16SGSX	E6V	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	HSK-E063-SGER16-160 +RF N16SGSX	E6W	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-E063-SGER20-070 +RF N20SGSX	E6V	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
	HSK-E063-SGER20-100 +RF N20SGSX	E6V	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-E063-SGER20-120 +RF N20SGSX	E6V	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	HSK-E063-SGER20-160 +RF N20SGSX	E6W	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
	HSK-E063-SGER25-080 +RF N25SGSX	E6V	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
	HSK-E063-SGER25-100 +RF N25SGSX	E6V	100	9	65	-	51	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-E063-SGER25-120 +RF N25SGSX	E6V	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-E063-SGER25-160 +RF N25SGSX	E6W	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-E063-SGER32-080 +RF N32SGSX	E6V	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
	HSK-E063-SGER32-100 +RF N32SGSX	E6V	100	9	65	-	49	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-E063-SGER32-120 +RF N32SGSX	E6V	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	HSK-E063-SGER32-160 +RF N32SGSX	E6V	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-E063-SGER40-080 +RF N40SGSX	E6X	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
	HSK-E063-SGER40-100 +RF N40SGSX	E6X	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
	HSK-E063-SGER40-120 +RF N40SGSX	E6X	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
	HSK-E063-SGER40-160 +RF N40SGSX	E6X	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	

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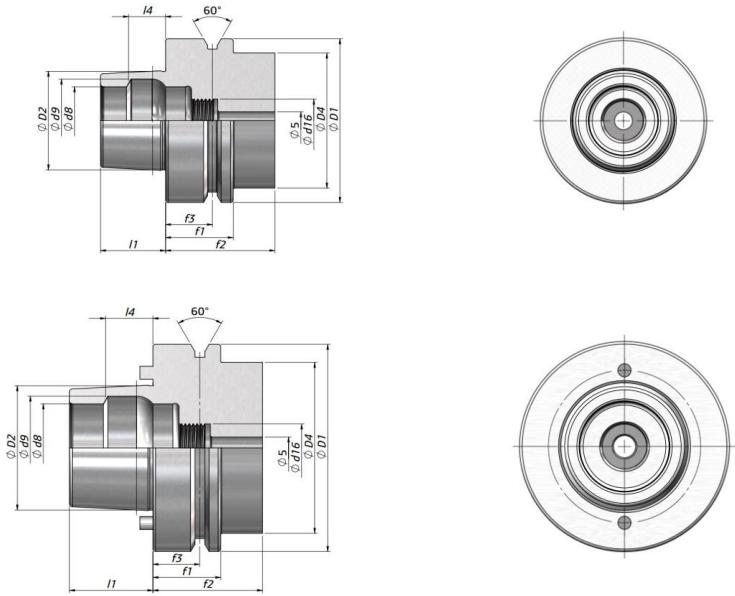
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-F

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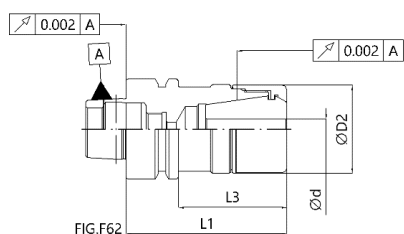
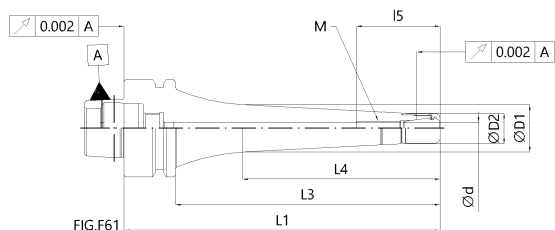
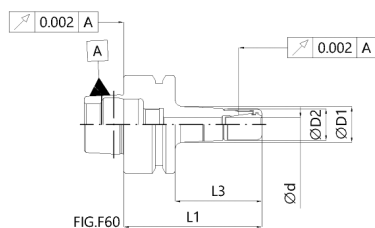
HSK is hollow shank short taper toolholders
It was developed by Achen University in Germany in 1991
In 1993, Germany published it as norm DIN69893-1~6:1993
There are six different type of HSK: A, B, C, D, E & F
In 2001, ISO published it as norm ISO12164-1:2001
ISO revised the taper angle from 1:10 to 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

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F040-SGER11M-050 +RF N11SGMXR	F60	50	-	30	-	-	17	16	RY0160	0.5~7.0	ER11	-	0.20	B	
	RF HSK-F040-SGER11M-070 +RF N11SGMXR	F60	70	-	50	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	B	
	RF HSK-F040-SGER11M-100 +RF N11SGMXR	F60	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.70	B	
	RF HSK-F040-SGER16M-050 +RF N16SGMXR	F60	50	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.30	B	
	RF HSK-F040-SGER16M-070 +RF N16SGMXR	F60	70	-	50	-	-	27	24	RY0240	0.5~10.0	ER16	-	0.50	B	
	RF HSK-F040-SGER16M-100 +RF N16SGMXR	F60	100	-	80	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.80	B	
	RF HSK-F040-SGER20M-070 +RF N20SGMXR	F60	70	-	50	-	-	31	28	RY0280	0.5~13.0	ER20	-	0.60	B	
	RF HSK-F040-SGER20M-100 +RF N20SGMXR	F60	100	-	80	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.90	B	
	RF HSK-F040-SGER25M-070 +RF N25SGMXR	F62	70	-	50	-	-	-	36	RY0360	0.5~16.0	ER25	-	0.80	B	
	RF HSK-F040-SGER25M-100 +RF N25SGMXR	F62	100	-	80	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.10	B	
	RF HSK-F040-SGER32M-070 +RF N32SGMXR	F62	70	-	50	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.00	B	
	RF HSK-F040-SGER32M-100 +RF N32SGMXR	F62	100	-	80	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.30	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-F-SGER+RF NSGMXR

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

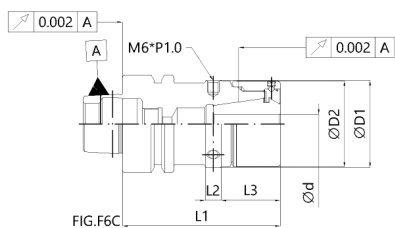
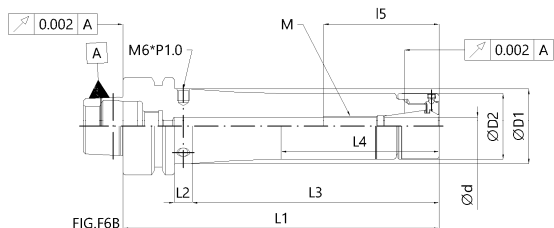
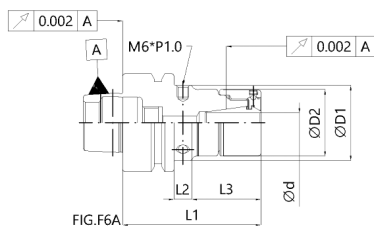
RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F050-SGER11M-070 +RF N11SGMXR	F60	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.50	B	
	RF HSK-F050-SGER11M-100 +RF N11SGMXR	F60	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
	RF HSK-F050-SGER11M-120 +RF N11SGMXR	F60	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.00	B	
	RF HSK-F050-SGER11M-160 +RF N11SGMXR	F61	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	B	
	RF HSK-F050-SGER16M-070 +RF N16SGMXR	F60	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.60	B	
	RF HSK-F050-SGER16M-100 +RF N16SGMXR	F60	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
	RF HSK-F050-SGER16M-120 +RF N16SGMXR	F60	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.10	B	
	RF HSK-F050-SGER16M-160 +RF N16SGMXR	F61	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.50	B	
	RF HSK-F050-SGER20M-070 +RF N20SGMXR	F60	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.70	B	
	RF HSK-F050-SGER20M-100 +RF N20SGMXR	F60	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
	RF HSK-F050-SGER20M-120 +RF N20SGMXR	F60	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.20	B	
	RF HSK-F050-SGER20M-160 +RF N20SGMXR	F61	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.60	B	
	RF HSK-F050-SGER25M-080 +RF N25SGMXR	F60	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.00	B	
	RF HSK-F050-SGER25M-100 +RF N25SGMXR	F60	100	-	74	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
	RF HSK-F050-SGER25M-120 +RF N25SGMXR	F60	120	-	94	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.40	B	
	RF HSK-F050-SGER25M-160 +RF N25SGMXR	F60	160	-	134	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.80	B	
	RF HSK-F050-SGER32M-080 +RF N32SGMXR	F62	80	-	54	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.20	B	
	RF HSK-F050-SGER32M-100 +RF N32SGMXR	F62	100	-	74	-	55	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	
	RF HSK-F050-SGER32M-120 +RF N32SGMXR	F62	120	-	94	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.60	B	
	RF HSK-F050-SGER32M-160 +RF N32SGMXR	F62	160	-	134	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-F063-SGER11M-070 +RF N11SGMXR	F60	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
○	RF HSK-F063-SGER11M-100 +RF N11SGMXR	F60	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	B	
○	RF HSK-F063-SGER11M-120 +RF N11SGMXR	F60	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	B	
○	RF HSK-F063-SGER11M-160 +RF N11SGMXR	F61	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.50	B	
○	RF HSK-F063-SGER16M-070 +RF N16SGMXR	F60	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.70	B	
○	RF HSK-F063-SGER16M-100 +RF N16SGMXR	F60	100	-	74	-	46	39	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	B	
○	RF HSK-F063-SGER16M-120 +RF N16SGMXR	F60	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	B	
○	RF HSK-F063-SGER16M-160 +RF N16SGMXR	F61	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.60	B	
○	RF HSK-F063-SGER20M-070 +RF N20SGMXR	F60	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.80	B	
○	RF HSK-F063-SGER20M-100 +RF N20SGMXR	F60	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	B	
○	RF HSK-F063-SGER20M-120 +RF N20SGMXR	F60	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	B	
○	RF HSK-F063-SGER20M-160 +RF N20SGMXR	F61	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.70	B	
○	RF HSK-F063-SGER25M-080 +RF N25SGMXR	F60	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.10	B	
○	RF HSK-F063-SGER25M-100 +RF N25SGMXR	F60	100	-	74	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	B	
○	RF HSK-F063-SGER25M-120 +RF N25SGMXR	F60	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	B	
○	RF HSK-F063-SGER25M-160 +RF N25SGMXR	F60	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.90	B	
○	RF HSK-F063-SGER32M-080 +RF N32SGMXR	F60	80	-	54	-	-	47	44	RY0440	2.0~20.0	ER32	-	1.30	B	
○	RF HSK-F063-SGER32M-100 +RF N32SGMXR	F60	100	-	74	-	51	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	B	
○	RF HSK-F063-SGER32M-120 +RF N32SGMXR	F60	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	B	
○	RF HSK-F063-SGER32M-160 +RF N32SGMXR	F60	160	-	134	-	57	52	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.10	B	

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動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F040-SGER16-070 +RF N16SGXR nano	F6C	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
	RF HSK-F040-SGER16-100 +RF N16SGXR nano	F6C	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	RF HSK-F040-SGER20-070 +RF N20SGXR nano	F6C	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
	RF HSK-F040-SGER20-100 +RF N20SGXR nano	F6C	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
	RF HSK-F040-SGER25-070 +RF N25SGXR nano	F6C	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
	RF HSK-F040-SGER25-100 +RF N25SGXR nano	F6C	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	RF HSK-F040-SGER32-070 +RF N32SGXR nano	F6C	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
	RF HSK-F040-SGER32-100 +RF N32SGXR nano	F6C	100	8	72	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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supERgrip SGER & ER // RF HSK-F-SGER+RF NSGX nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGX

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGX

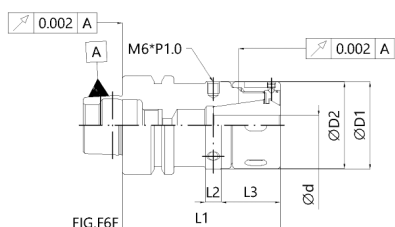
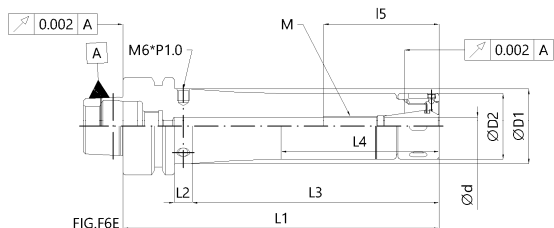
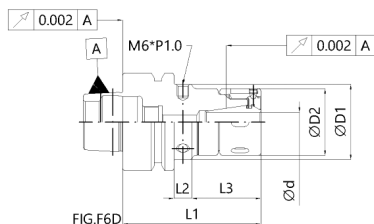
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F050-SGER16-070 +RF N16SGXR nano	F6A	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
	RF HSK-F050-SGER16-100 +RF N16SGXR nano	F6A	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
	RF HSK-F050-SGER16-120 +RF N16SGXR nano	F6A	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
	RF HSK-F050-SGER16-160 +RF N16SGXR nano	F6B	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
	RF HSK-F050-SGER20-070 +RF N20SGXR nano	F6A	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
	RF HSK-F050-SGER20-100 +RF N20SGXR nano	F6A	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
	RF HSK-F050-SGER20-120 +RF N20SGXR nano	F6A	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
	RF HSK-F050-SGER20-160 +RF N20SGXR nano	F6B	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
	RF HSK-F050-SGER25-080 +RF N25SGXR nano	F6C	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
	RF HSK-F050-SGER25-100 +RF N25SGXR nano	F6C	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
	RF HSK-F050-SGER25-120 +RF N25SGXR nano	F6C	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
	RF HSK-F050-SGER25-160 +RF N25SGXR nano	F6C	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
	RF HSK-F050-SGER32-080 +RF N32SGXR nano	F6C	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
	RF HSK-F050-SGER32-100 +RF N32SGXR nano	F6C	100	8	50	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
	RF HSK-F050-SGER32-120 +RF N32SGXR nano	F6C	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
	RF HSK-F050-SGER32-160 +RF N32SGXR nano	F6C	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
	RF HSK-F050-SGER40-080 +RF N40SGXR nano	F6C	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
	RF HSK-F050-SGER40-100 +RF N40SGXR nano	F6C	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
	RF HSK-F050-SGER40-120 +RF N40SGXR nano	F6C	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF HSK-F050-SGER40-160 +RF N40SGXR nano	F6C	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-F063-SGER16-070 +RF N16SGXR nano	F6A	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
○	RF HSK-F063-SGER16-100 +RF N16SGXR nano	F6A	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
○	RF HSK-F063-SGER16-120 +RF N16SGXR nano	F6A	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
○	RF HSK-F063-SGER16-160 +RF N16SGXR nano	F6B	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
○	RF HSK-F063-SGER20-070 +RF N20SGXR nano	F6A	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
○	RF HSK-F063-SGER20-100 +RF N20SGXR nano	F6A	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
○	RF HSK-F063-SGER20-120 +RF N20SGXR nano	F6A	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
○	RF HSK-F063-SGER20-160 +RF N20SGXR nano	F6B	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
○	RF HSK-F063-SGER25-080 +RF N25SGXR nano	F6A	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
○	RF HSK-F063-SGER25-100 +RF N25SGXR nano	F6A	100	9	65	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
○	RF HSK-F063-SGER25-120 +RF N25SGXR nano	F6A	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
○	RF HSK-F063-SGER25-160 +RF N25SGXR nano	F6B	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
○	RF HSK-F063-SGER32-080 +RF N32SGXR nano	F6A	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
○	RF HSK-F063-SGER32-100 +RF N32SGXR nano	F6A	100	9	65	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
○	RF HSK-F063-SGER32-120 +RF N32SGXR nano	F6A	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
○	RF HSK-F063-SGER32-160 +RF N32SGXR nano	F6A	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
○	RF HSK-F063-SGER40-080 +RF N40SGXR nano	F6C	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
○	RF HSK-F063-SGER40-100 +RF N40SGXR nano	F6C	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
○	RF HSK-F063-SGER40-120 +RF N40SGXR nano	F6C	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
○	RF HSK-F063-SGER40-160 +RF N40SGXR nano	F6C	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F040-SGER16-070 +RF N16SGX nano	F6F	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
	RF HSK-F040-SGER16-100 +RF N16SGX nano	F6F	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	RF HSK-F040-SGER20-070 +RF N20SGX nano	F6F	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
	RF HSK-F040-SGER20-100 +RF N20SGX nano	F6F	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
	RF HSK-F040-SGER25-070 +RF N25SGX nano	F6F	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
	RF HSK-F040-SGER25-100 +RF N25SGX nano	F6F	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	RF HSK-F040-SGER32-070 +RF N32SGX nano	F6F	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
	RF HSK-F040-SGER32-100 +RF N32SGX nano	F6F	100	8	72	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-F-SGER+RF NSGX nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

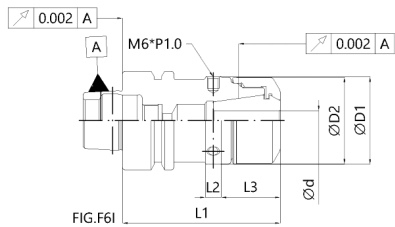
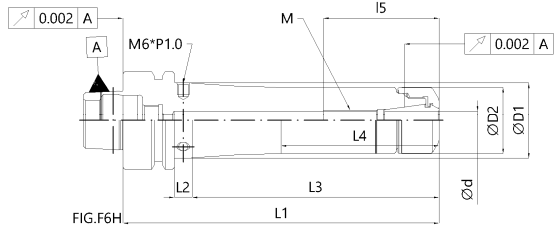
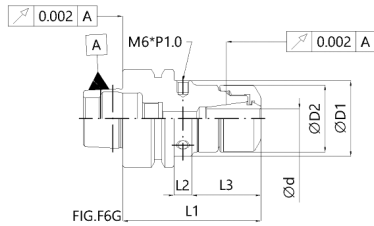
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F050-SGER16-070 +RF N16SGX nano	F6D	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
	RF HSK-F050-SGER16-100 +RF N16SGX nano	F6D	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
	RF HSK-F050-SGER16-120 +RF N16SGX nano	F6D	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
	RF HSK-F050-SGER16-160 +RF N16SGX nano	F6E	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
	RF HSK-F050-SGER20-070 +RF N20SGX nano	F6D	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
	RF HSK-F050-SGER20-100 +RF N20SGX nano	F6D	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
	RF HSK-F050-SGER20-120 +RF N20SGX nano	F6D	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
	RF HSK-F050-SGER20-160 +RF N20SGX nano	F6E	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
	RF HSK-F050-SGER25-080 +RF N25SGX nano	F6F	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
	RF HSK-F050-SGER25-100 +RF N25SGX nano	F6F	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
	RF HSK-F050-SGER25-120 +RF N25SGX nano	F6F	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
	RF HSK-F050-SGER25-160 +RF N25SGX nano	F6F	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
	RF HSK-F050-SGER32-080 +RF N32SGX nano	F6F	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
	RF HSK-F050-SGER32-100 +RF N32SGX nano	F6F	100	8	50	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
	RF HSK-F050-SGER32-120 +RF N32SGX nano	F6F	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
	RF HSK-F050-SGER32-160 +RF N32SGX nano	F6F	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
	RF HSK-F050-SGER40-080 +RF N40SGX nano	F6F	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
	RF HSK-F050-SGER40-100 +RF N40SGX nano	F6F	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
	RF HSK-F050-SGER40-120 +RF N40SGX nano	F6F	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF HSK-F050-SGER40-160 +RF N40SGX nano	F6F	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-F063-SGER16-070 +RF N16SGX nano	F6D	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
○	RF HSK-F063-SGER16-100 +RF N16SGX nano	F6D	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
○	RF HSK-F063-SGER16-120 +RF N16SGX nano	F6D	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
○	RF HSK-F063-SGER16-160 +RF N16SGX nano	F6E	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
○	RF HSK-F063-SGER20-070 +RF N20SGX nano	F6D	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
○	RF HSK-F063-SGER20-100 +RF N20SGX nano	F6D	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
○	RF HSK-F063-SGER20-120 +RF N20SGX nano	F6D	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
○	RF HSK-F063-SGER20-160 +RF N20SGX nano	F6E	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
○	RF HSK-F063-SGER25-080 +RF N25SGX nano	F6D	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
○	RF HSK-F063-SGER25-100 +RF N25SGX nano	F6D	100	9	65	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
○	RF HSK-F063-SGER25-120 +RF N25SGX nano	F6D	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
○	RF HSK-F063-SGER25-160 +RF N25SGX nano	F6E	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
○	RF HSK-F063-SGER32-080 +RF N32SGX nano	F6D	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
○	RF HSK-F063-SGER32-100 +RF N32SGX nano	F6D	100	9	65	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
○	RF HSK-F063-SGER32-120 +RF N32SGX nano	F6D	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
○	RF HSK-F063-SGER32-160 +RF N32SGX nano	F6D	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
○	RF HSK-F063-SGER40-080 +RF N40SGX nano	F6F	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
○	RF HSK-F063-SGER40-100 +RF N40SGX nano	F6F	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
○	RF HSK-F063-SGER40-120 +RF N40SGX nano	F6F	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
○	RF HSK-F063-SGER40-160 +RF N40SGX nano	F6F	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F040-SGER16-070 +RF N16SGSXR	F6I	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
	RF HSK-F040-SGER16-100 +RF N16SGSXR	F6I	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	RF HSK-F040-SGER20-070 +RF N20SGSXR	F6I	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
	RF HSK-F040-SGER20-100 +RF N20SGSXR	F6I	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
	RF HSK-F040-SGER25-070 +RF N25SGSXR	F6I	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
	RF HSK-F040-SGER25-100 +RF N25SGSXR	F6I	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	RF HSK-F040-SGER32-070 +RF N32SGSXR	F6I	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
	RF HSK-F040-SGER32-100 +RF N32SGSXR	F6I	100	8	72	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-F-SGER+RF NSGSXR

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

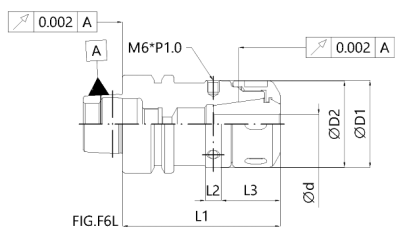
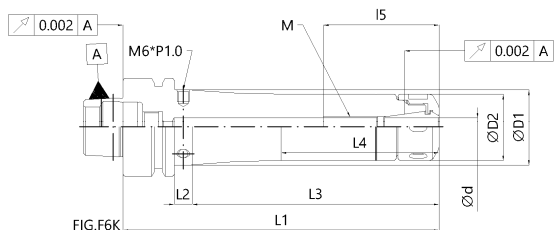
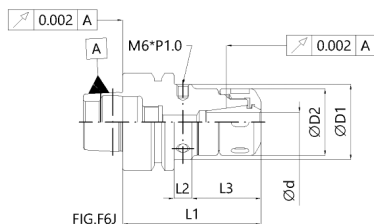
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F050-SGER16-070 +RF N16SGSXR	F6G	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
	RF HSK-F050-SGER16-100 +RF N16SGSXR	F6G	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
	RF HSK-F050-SGER16-120 +RF N16SGSXR	F6G	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
	RF HSK-F050-SGER16-160 +RF N16SGSXR	F6H	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
	RF HSK-F050-SGER20-070 +RF N20SGSXR	F6G	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
	RF HSK-F050-SGER20-100 +RF N20SGSXR	F6G	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
	RF HSK-F050-SGER20-120 +RF N20SGSXR	F6G	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
	RF HSK-F050-SGER20-160 +RF N20SGSXR	F6H	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
	RF HSK-F050-SGER25-080 +RF N25SGSXR	F6I	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
	RF HSK-F050-SGER25-100 +RF N25SGSXR	F6I	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
	RF HSK-F050-SGER25-120 +RF N25SGSXR	F6I	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
	RF HSK-F050-SGER25-160 +RF N25SGSXR	F6I	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
	RF HSK-F050-SGER32-080 +RF N32SGSXR	F6I	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
	RF HSK-F050-SGER32-100 +RF N32SGSXR	F6I	100	8	50	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
	RF HSK-F050-SGER32-120 +RF N32SGSXR	F6I	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
	RF HSK-F050-SGER32-160 +RF N32SGSXR	F6I	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
	RF HSK-F050-SGER40-080 +RF N40SGSXR	F6I	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
	RF HSK-F050-SGER40-100 +RF N40SGSXR	F6I	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
	RF HSK-F050-SGER40-120 +RF N40SGSXR	F6I	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF HSK-F050-SGER40-160 +RF N40SGSXR	F6I	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-F063-SGER16-070 +RF N16SGSXR	F6G	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
○	RF HSK-F063-SGER16-100 +RF N16SGSXR	F6G	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
○	RF HSK-F063-SGER16-120 +RF N16SGSXR	F6G	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
○	RF HSK-F063-SGER16-160 +RF N16SGSXR	F6H	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
○	RF HSK-F063-SGER20-070 +RF N20SGSXR	F6G	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
○	RF HSK-F063-SGER20-100 +RF N20SGSXR	F6G	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
○	RF HSK-F063-SGER20-120 +RF N20SGSXR	F6G	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
○	RF HSK-F063-SGER20-160 +RF N20SGSXR	F6H	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
○	RF HSK-F063-SGER25-080 +RF N25SGSXR	F6G	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
○	RF HSK-F063-SGER25-100 +RF N25SGSXR	F6G	100	9	65	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
○	RF HSK-F063-SGER25-120 +RF N25SGSXR	F6G	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
○	RF HSK-F063-SGER25-160 +RF N25SGSXR	F6H	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
○	RF HSK-F063-SGER32-080 +RF N32SGSXR	F6G	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
○	RF HSK-F063-SGER32-100 +RF N32SGSXR	F6G	100	9	65	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
○	RF HSK-F063-SGER32-120 +RF N32SGSXR	F6G	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
○	RF HSK-F063-SGER32-160 +RF N32SGSXR	F6G	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
○	RF HSK-F063-SGER40-080 +RF N40SGSXR	F6I	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
○	RF HSK-F063-SGER40-100 +RF N40SGSXR	F6I	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
○	RF HSK-F063-SGER40-120 +RF N40SGSXR	F6I	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
○	RF HSK-F063-SGER40-160 +RF N40SGSXR	F6I	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX



動平衡G2.5/40,000RPM或小於1gmm // BALANCE TO G2.5/40,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F040-SGER16-070 +RF N16SGSX	F6L	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
	RF HSK-F040-SGER16-100 +RF N16SGSX	F6L	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	RF HSK-F040-SGER20-070 +RF N20SGSX	F6L	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
	RF HSK-F040-SGER20-100 +RF N20SGSX	F6L	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
	RF HSK-F040-SGER25-070 +RF N25SGSX	F6L	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
	RF HSK-F040-SGER25-100 +RF N25SGSX	F6L	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	RF HSK-F040-SGER32-070 +RF N32SGSX	F6L	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
	RF HSK-F040-SGER32-100 +RF N32SGSX	F6L	100	8	72	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-F-SGER+RF NSGSX

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

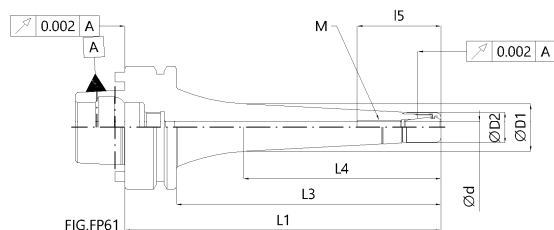
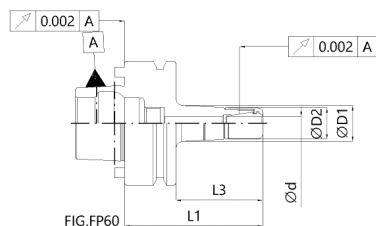
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F050-SGER16-070 +RF N16SGSX	F6J	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
	RF HSK-F050-SGER16-100 +RF N16SGSX	F6J	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
	RF HSK-F050-SGER16-120 +RF N16SGSX	F6J	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
	RF HSK-F050-SGER16-160 +RF N16SGSX	F6K	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
	RF HSK-F050-SGER20-070 +RF N20SGSX	F6J	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
	RF HSK-F050-SGER20-100 +RF N20SGSX	F6J	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
	RF HSK-F050-SGER20-120 +RF N20SGSX	F6J	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
	RF HSK-F050-SGER20-160 +RF N20SGSX	F6K	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
	RF HSK-F050-SGER25-080 +RF N25SGSX	F6L	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
	RF HSK-F050-SGER25-100 +RF N25SGSX	F6L	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
	RF HSK-F050-SGER25-120 +RF N25SGSX	F6L	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
	RF HSK-F050-SGER25-160 +RF N25SGSX	F6L	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
	RF HSK-F050-SGER32-080 +RF N32SGSX	F6L	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
	RF HSK-F050-SGER32-100 +RF N32SGSX	F6L	100	8	50	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
	RF HSK-F050-SGER32-120 +RF N32SGSX	F6L	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
	RF HSK-F050-SGER32-160 +RF N32SGSX	F6L	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
	RF HSK-F050-SGER40-080 +RF N40SGSX	F6L	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
	RF HSK-F050-SGER40-100 +RF N40SGSX	F6L	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
	RF HSK-F050-SGER40-120 +RF N40SGSX	F6L	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	RF HSK-F050-SGER40-160 +RF N40SGSX	F6L	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	RF HSK-F063-SGER16-070 +RF N16SGSX	F6J	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
○	RF HSK-F063-SGER16-100 +RF N16SGSX	F6J	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
○	RF HSK-F063-SGER16-120 +RF N16SGSX	F6J	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
○	RF HSK-F063-SGER16-160 +RF N16SGSX	F6K	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
○	RF HSK-F063-SGER20-070 +RF N20SGSX	F6J	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
○	RF HSK-F063-SGER20-100 +RF N20SGSX	F6J	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
○	RF HSK-F063-SGER20-120 +RF N20SGSX	F6J	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
○	RF HSK-F063-SGER20-160 +RF N20SGSX	F6K	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
○	RF HSK-F063-SGER25-080 +RF N25SGSX	F6J	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
○	RF HSK-F063-SGER25-100 +RF N25SGSX	F6J	100	9	65	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
○	RF HSK-F063-SGER25-120 +RF N25SGSX	F6J	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
○	RF HSK-F063-SGER25-160 +RF N25SGSX	F6K	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
○	RF HSK-F063-SGER32-080 +RF N32SGSX	F6J	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
○	RF HSK-F063-SGER32-100 +RF N32SGSX	F6J	100	9	65	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
○	RF HSK-F063-SGER32-120 +RF N32SGSX	F6J	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
○	RF HSK-F063-SGER32-160 +RF N32SGSX	F6J	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
○	RF HSK-F063-SGER40-080 +RF N40SGSX	F6L	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
○	RF HSK-F063-SGER40-100 +RF N40SGSX	F6L	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
○	RF HSK-F063-SGER40-120 +RF N40SGSX	F6L	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
○	RF HSK-F063-SGER40-160 +RF N40SGSX	F6L	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F063P-SGER11M-070 +RF N11SGMXR	FP60	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	C	
	RF HSK-F063P-SGER11M-100 +RF N11SGMXR	FP60	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	C	
	RF HSK-F063P-SGER11M-120 +RF N11SGMXR	FP60	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	C	
	RF HSK-F063P-SGER11M-160 +RF N11SGMXR	FP61	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.50	C	
	RF HSK-F063P-SGER16M-070 +RF N16SGMXR	FP60	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.70	C	
	RF HSK-F063P-SGER16M-100 +RF N16SGMXR	FP60	100	-	74	-	46	39	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	C	
	RF HSK-F063P-SGER16M-120 +RF N16SGMXR	FP60	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	C	
	RF HSK-F063P-SGER16M-160 +RF N16SGMXR	FP61	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.60	C	
	RF HSK-F063P-SGER20M-070 +RF N20SGMXR	FP60	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.80	C	
	RF HSK-F063P-SGER20M-100 +RF N20SGMXR	FP60	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	C	
	RF HSK-F063P-SGER20M-120 +RF N20SGMXR	FP60	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	C	
	RF HSK-F063P-SGER20M-160 +RF N20SGMXR	FP61	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.70	C	
	RF HSK-F063P-SGER25M-080 +RF N25SGMXR	FP60	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.10	C	
	RF HSK-F063P-SGER25M-100 +RF N25SGMXR	FP60	100	-	74	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	C	
	RF HSK-F063P-SGER25M-120 +RF N25SGMXR	FP60	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	C	
	RF HSK-F063P-SGER25M-160 +RF N25SGMXR	FP60	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.90	C	
	RF HSK-F063P-SGER32M-080 +RF N32SGMXR	FP60	80	-	54	-	-	47	44	RY0440	2.0~20.0	ER32	-	1.30	C	
	RF HSK-F063P-SGER32M-100 +RF N32SGMXR	FP60	100	-	74	-	51	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	C	
	RF HSK-F063P-SGER32M-120 +RF N32SGMXR	FP60	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	C	
	RF HSK-F063P-SGER32M-160 +RF N32SGMXR	FP60	160	-	134	-	57	52	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.10	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // RF HSK-PF-SGER+RF NSGMXR

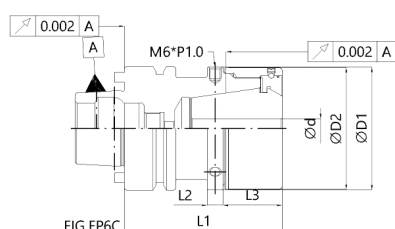
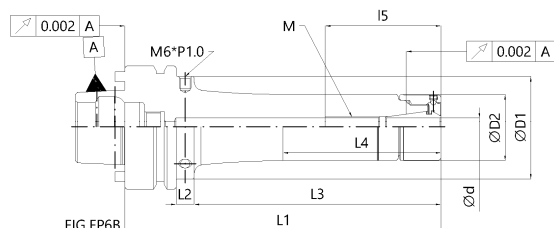
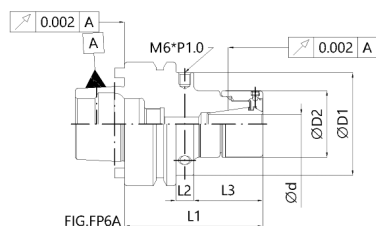
RF防鏽鍍層supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
RF rustproof coating supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F080P-SGER11M-080 +RF N11SGMXR	FP60	80	-	54	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	C	
	RF HSK-F080P-SGER11M-100 +RF N11SGMXR	FP60	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.60	C	
	RF HSK-F080P-SGER11M-120 +RF N11SGMXR	FP60	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.80	C	
	RF HSK-F080P-SGER11M-160 +RF N11SGMXR	FP61	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.20	C	
	RF HSK-F080P-SGER16M-080 +RF N16SGMXR	FP60	80	-	54	-	-	27	24	RY0240	0.5~10.0	ER16	-	1.50	C	
	RF HSK-F080P-SGER16M-100 +RF N16SGMXR	FP60	100	-	74	-	46	39	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.70	C	
	RF HSK-F080P-SGER16M-120 +RF N16SGMXR	FP60	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.90	C	
	RF HSK-F080P-SGER16M-160 +RF N16SGMXR	FP61	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.30	C	
	RF HSK-F080P-SGER20M-080 +RF N20SGMXR	FP60	80	-	54	-	-	31	28	RY0280	0.5~13.0	ER20	-	1.60	C	
	RF HSK-F080P-SGER20M-100 +RF N20SGMXR	FP60	100	-	74	-	48	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.80	C	
	RF HSK-F080P-SGER20M-120 +RF N20SGMXR	FP60	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.00	C	
	RF HSK-F080P-SGER20M-160 +RF N20SGMXR	FP61	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.40	C	
	RF HSK-F080P-SGER25M-080 +RF N25SGMXR	FP60	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.80	C	
	RF HSK-F080P-SGER25M-100 +RF N25SGMXR	FP60	100	-	74	-	46	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.00	C	
	RF HSK-F080P-SGER25M-120 +RF N25SGMXR	FP60	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.20	C	
	RF HSK-F080P-SGER25M-160 +RF N25SGMXR	FP60	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.60	C	
	RF HSK-F080P-SGER32M-080 +RF N32SGMXR	FP60	80	-	54	-	-	47	44	RY0440	2.0~20.0	ER32	-	2.00	C	
	RF HSK-F080P-SGER32M-100 +RF N32SGMXR	FP60	100	-	74	-	44	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.20	C	
	RF HSK-F080P-SGER32M-120 +RF N32SGMXR	FP60	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.40	C	
	RF HSK-F080P-SGER32M-160 +RF N32SGMXR	FP60	160	-	134	-	57	55	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.80	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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F063P-SGER16-070 +RF N16SGXR nano	FP6A	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	C	
	RF HSK-F063P-SGER16-100 +RF N16SGXR nano	FP6A	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	C	
	RF HSK-F063P-SGER16-120 +RF N16SGXR nano	FP6A	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	C	
	RF HSK-F063P-SGER16-160 +RF N16SGXR nano	FP6B	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	C	
	RF HSK-F063P-SGER20-070 +RF N20SGXR nano	FP6A	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	C	
	RF HSK-F063P-SGER20-100 +RF N20SGXR nano	FP6A	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	C	
	RF HSK-F063P-SGER20-120 +RF N20SGXR nano	FP6A	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	C	
	RF HSK-F063P-SGER20-160 +RF N20SGXR nano	FP6B	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	C	
	RF HSK-F063P-SGER25-080 +RF N25SGXR nano	FP6A	80	9	35	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	C	
	RF HSK-F063P-SGER25-100 +RF N25SGXR nano	FP6A	100	9	65	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	C	
	RF HSK-F063P-SGER25-120 +RF N25SGXR nano	FP6A	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	C	
	RF HSK-F063P-SGER25-160 +RF N25SGXR nano	FP6B	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	C	
	RF HSK-F063P-SGER32-080 +RF N32SGXR nano	FP6A	80	9	35	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	C	
	RF HSK-F063P-SGER32-100 +RF N32SGXR nano	FP6A	100	9	65	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	C	
	RF HSK-F063P-SGER32-120 +RF N32SGXR nano	FP6A	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	C	
	RF HSK-F063P-SGER32-160 +RF N32SGXR nano	FP6A	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	C	
	RF HSK-F063P-SGER40-080 +RF N40SGXR nano	FP6C	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	C	
	RF HSK-F063P-SGER40-100 +RF N40SGXR nano	FP6C	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	C	
	RF HSK-F063P-SGER40-120 +RF N40SGXR nano	FP6C	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	C	
	RF HSK-F063P-SGER40-160 +RF N40SGXR nano	FP6C	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	

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supERgrip SGER & ER // RF HSK-FP-SGER+RF NSGXR nano

RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

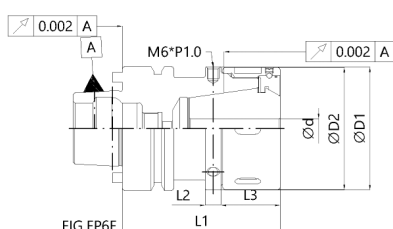
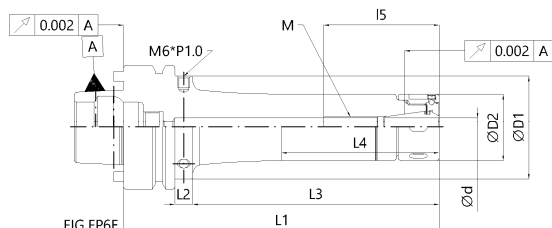
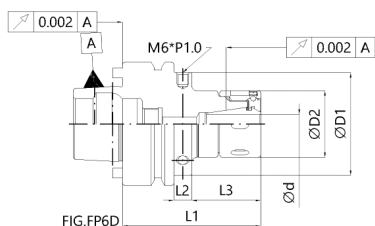
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F080P-SGER16-080 +RF N16SGXR nano	FP6A	80	9	45	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	1.60	C	
	RF HSK-F080P-SGER16-100 +RF N16SGXR nano	FP6A	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	C	
	RF HSK-F080P-SGER16-120 +RF N16SGXR nano	FP6A	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	C	
	RF HSK-F080P-SGER16-160 +RF N16SGXR nano	FP6B	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
	RF HSK-F080P-SGER20-080 +RF N20SGXR nano	FP6A	80	9	45	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	1.70	C	
	RF HSK-F080P-SGER20-100 +RF N20SGXR nano	FP6A	100	9	65	-	48	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	C	
	RF HSK-F080P-SGER20-120 +RF N20SGXR nano	FP6A	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	C	
	RF HSK-F080P-SGER20-160 +RF N20SGXR nano	FP6B	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
	RF HSK-F080P-SGER25-080 +RF N25SGXR nano	FP6A	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.90	C	
	RF HSK-F080P-SGER25-100 +RF N25SGXR nano	FP6A	100	9	65	-	46	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	C	
	RF HSK-F080P-SGER25-120 +RF N25SGXR nano	FP6A	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	C	
	RF HSK-F080P-SGER25-160 +RF N25SGXR nano	FP6B	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
	RF HSK-F080P-SGER32-080 +RF N32SGXR nano	FP6A	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	2.10	C	
	RF HSK-F080P-SGER32-100 +RF N32SGXR nano	FP6A	100	9	65	-	44	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	C	
	RF HSK-F080P-SGER32-120 +RF N32SGXR nano	FP6A	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	C	
	RF HSK-F080P-SGER32-160 +RF N32SGXR nano	FP6B	160	9	125	80	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
	RF HSK-F080P-SGER40-080 +RF N40SGXR nano	FP6A	80	9	45	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.40	C	
	RF HSK-F080P-SGER40-100 +RF N40SGXR nano	FP6A	100	9	65	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.70	C	
	RF HSK-F080P-SGER40-120 +RF N40SGXR nano	FP6A	120	9	85	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	
	RF HSK-F080P-SGER40-160 +RF N40SGXR nano	FP6A	160	9	125	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	

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RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F063P-SGER16-070 +RF N16SGX nano	FP6D	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	C	
	RF HSK-F063P-SGER16-100 +RF N16SGX nano	FP6D	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	C	
	RF HSK-F063P-SGER16-120 +RF N16SGX nano	FP6D	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	C	
	RF HSK-F063P-SGER16-160 +RF N16SGX nano	FP6E	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	C	
	RF HSK-F063P-SGER20-070 +RF N20SGX nano	FP6D	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	C	
	RF HSK-F063P-SGER20-100 +RF N20SGX nano	FP6D	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	C	
	RF HSK-F063P-SGER20-120 +RF N20SGX nano	FP6D	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	C	
	RF HSK-F063P-SGER20-160 +RF N20SGX nano	FP6E	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	C	
	RF HSK-F063P-SGER25-080 +RF N25SGX nano	FP6D	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	C	
	RF HSK-F063P-SGER25-100 +RF N25SGX nano	FP6D	100	9	65	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	C	
	RF HSK-F063P-SGER25-120 +RF N25SGX nano	FP6D	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	C	
	RF HSK-F063P-SGER25-160 +RF N25SGX nano	FP6E	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	C	
	RF HSK-F063P-SGER32-080 +RF N32SGX nano	FP6D	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	C	
	RF HSK-F063P-SGER32-100 +RF N32SGX nano	FP6D	100	9	65	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	C	
	RF HSK-F063P-SGER32-120 +RF N32SGX nano	FP6D	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	C	
	RF HSK-F063P-SGER32-160 +RF N32SGX nano	FP6D	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	C	
	RF HSK-F063P-SGER40-080 +RF N40SGX nano	FP6F	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	C	
	RF HSK-F063P-SGER40-100 +RF N40SGX nano	FP6F	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	C	
	RF HSK-F063P-SGER40-120 +RF N40SGX nano	FP6F	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	C	
	RF HSK-F063P-SGER40-160 +RF N40SGX nano	FP6F	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	

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RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

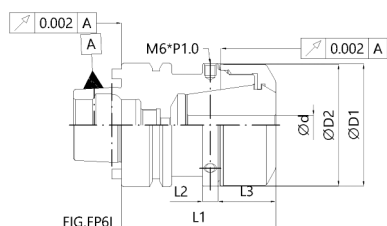
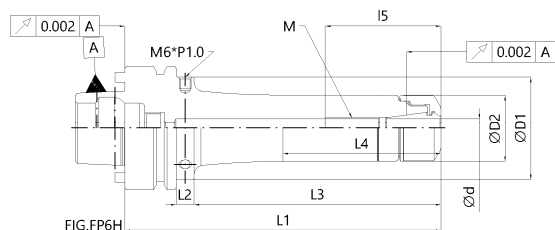
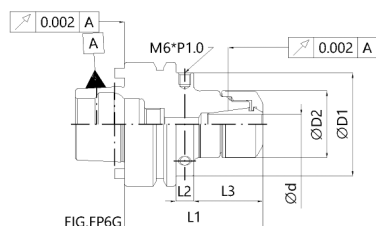
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F080P-SGER16-080 +RF N16SGX nano	FP6D	80	9	45	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	1.60	C	
	RF HSK-F080P-SGER16-100 +RF N16SGX nano	FP6D	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	C	
	RF HSK-F080P-SGER16-120 +RF N16SGX nano	FP6D	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	C	
	RF HSK-F080P-SGER16-160 +RF N16SGX nano	FP6E	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
	RF HSK-F080P-SGER20-080 +RF N20SGX nano	FP6D	80	9	45	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	1.70	C	
	RF HSK-F080P-SGER20-100 +RF N20SGX nano	FP6D	100	9	65	-	48	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	C	
	RF HSK-F080P-SGER20-120 +RF N20SGX nano	FP6D	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	C	
	RF HSK-F080P-SGER20-160 +RF N20SGX nano	FP6E	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
	RF HSK-F080P-SGER25-080 +RF N25SGX nano	FP6D	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.90	C	
	RF HSK-F080P-SGER25-100 +RF N25SGX nano	FP6D	100	9	65	-	46	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	C	
	RF HSK-F080P-SGER25-120 +RF N25SGX nano	FP6D	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	C	
	RF HSK-F080P-SGER25-160 +RF N25SGX nano	FP6E	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
	RF HSK-F080P-SGER32-080 +RF N32SGX nano	FP6D	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	2.10	C	
	RF HSK-F080P-SGER32-100 +RF N32SGX nano	FP6D	100	9	65	-	44	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	C	
	RF HSK-F080P-SGER32-120 +RF N32SGX nano	FP6D	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	C	
	RF HSK-F080P-SGER32-160 +RF N32SGX nano	FP6E	160	9	125	80	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
	RF HSK-F080P-SGER40-080 +RF N40SGX nano	FP6D	80	9	45	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.40	C	
	RF HSK-F080P-SGER40-100 +RF N40SGX nano	FP6D	100	9	65	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.70	C	
	RF HSK-F080P-SGER40-120 +RF N40SGX nano	FP6D	120	9	85	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	
	RF HSK-F080P-SGER40-160 +RF N40SGX nano	FP6D	160	9	125	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	

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RF防鏽鍍層supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F063P-SGER16-070 +RF N16SGSXR	FP6G	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	C	
	RF HSK-F063P-SGER16-100 +RF N16SGSXR	FP6G	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	C	
	RF HSK-F063P-SGER16-120 +RF N16SGSXR	FP6G	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	C	
	RF HSK-F063P-SGER16-160 +RF N16SGSXR	FP6H	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	C	
	RF HSK-F063P-SGER20-070 +RF N20SGSXR	FP6G	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	C	
	RF HSK-F063P-SGER20-100 +RF N20SGSXR	FP6G	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	C	
	RF HSK-F063P-SGER20-120 +RF N20SGSXR	FP6G	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	C	
	RF HSK-F063P-SGER20-160 +RF N20SGSXR	FP6H	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	C	
	RF HSK-F063P-SGER25-080 +RF N25SGSXR	FP6G	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	C	
	RF HSK-F063P-SGER25-100 +RF N25SGSXR	FP6G	100	9	65	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	C	
	RF HSK-F063P-SGER25-120 +RF N25SGSXR	FP6G	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	C	
	RF HSK-F063P-SGER25-160 +RF N25SGSXR	FP6H	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	C	
	RF HSK-F063P-SGER32-080 +RF N32SGSXR	FP6G	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	C	
	RF HSK-F063P-SGER32-100 +RF N32SGSXR	FP6G	100	9	65	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	C	
	RF HSK-F063P-SGER32-120 +RF N32SGSXR	FP6G	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	C	
	RF HSK-F063P-SGER32-160 +RF N32SGSXR	FP6G	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	C	
	RF HSK-F063P-SGER40-080 +RF N40SGSXR	FP6I	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	C	
	RF HSK-F063P-SGER40-100 +RF N40SGSXR	FP6I	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	C	
	RF HSK-F063P-SGER40-120 +RF N40SGSXR	FP6I	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	C	
	RF HSK-F063P-SGER40-160 +RF N40SGSXR	FP6I	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	

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RF rustproof coating supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

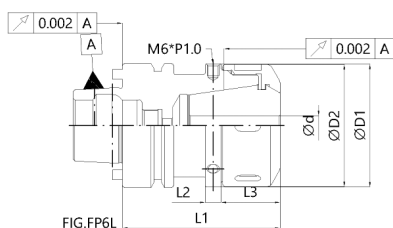
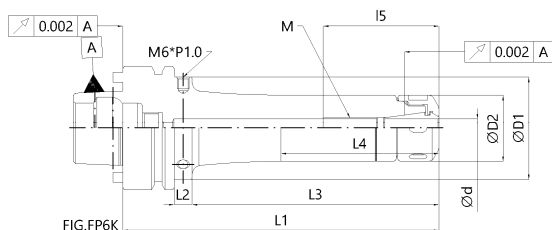
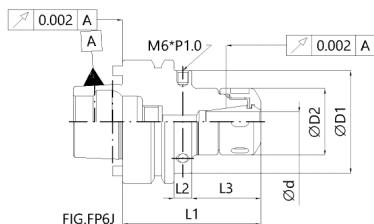
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F080P-SGER16-080 +RF N16SGSXR	FP6G	80	9	45	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	1.60	C	
	RF HSK-F080P-SGER16-100 +RF N16SGSXR	FP6G	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	C	
	RF HSK-F080P-SGER16-120 +RF N16SGSXR	FP6G	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	C	
	RF HSK-F080P-SGER16-160 +RF N16SGSXR	FP6H	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
	RF HSK-F080P-SGER20-080 +RF N20SGSXR	FP6G	80	9	45	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	1.70	C	
	RF HSK-F080P-SGER20-100 +RF N20SGSXR	FP6G	100	9	65	-	48	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	C	
	RF HSK-F080P-SGER20-120 +RF N20SGSXR	FP6G	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	C	
	RF HSK-F080P-SGER20-160 +RF N20SGSXR	FP6H	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
	RF HSK-F080P-SGER25-080 +RF N25SGSXR	FP6G	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.90	C	
	RF HSK-F080P-SGER25-100 +RF N25SGSXR	FP6G	100	9	65	-	46	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	C	
	RF HSK-F080P-SGER25-120 +RF N25SGSXR	FP6G	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	C	
	RF HSK-F080P-SGER25-160 +RF N25SGSXR	FP6H	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
	RF HSK-F080P-SGER32-080 +RF N32SGSXR	FP6G	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	2.10	C	
	RF HSK-F080P-SGER32-100 +RF N32SGSXR	FP6G	100	9	65	-	44	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	C	
	RF HSK-F080P-SGER32-120 +RF N32SGSXR	FP6G	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	C	
	RF HSK-F080P-SGER32-160 +RF N32SGSXR	FP6H	160	9	125	80	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
	RF HSK-F080P-SGER40-080 +RF N40SGSXR	FP6G	80	9	45	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.40	C	
	RF HSK-F080P-SGER40-100 +RF N40SGSXR	FP6G	100	9	65	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.70	C	
	RF HSK-F080P-SGER40-120 +RF N40SGSXR	FP6G	120	9	85	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	
	RF HSK-F080P-SGER40-160 +RF N40SGSXR	FP6G	160	9	125	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	

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STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F063P-SGER16-070 +RF N16SGSX	FP6J	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	C	
	RF HSK-F063P-SGER16-100 +RF N16SGSX	FP6J	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	C	
	RF HSK-F063P-SGER16-120 +RF N16SGSX	FP6J	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	C	
	RF HSK-F063P-SGER16-160 +RF N16SGSX	FP6K	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	C	
	RF HSK-F063P-SGER20-070 +RF N20SGSX	FP6J	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	C	
	RF HSK-F063P-SGER20-100 +RF N20SGSX	FP6J	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	C	
	RF HSK-F063P-SGER20-120 +RF N20SGSX	FP6J	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	C	
	RF HSK-F063P-SGER20-160 +RF N20SGSX	FP6K	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	C	
	RF HSK-F063P-SGER25-080 +RF N25SGSX	FP6J	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	C	
	RF HSK-F063P-SGER25-100 +RF N25SGSX	FP6J	100	9	65	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	C	
	RF HSK-F063P-SGER25-120 +RF N25SGSX	FP6J	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	C	
	RF HSK-F063P-SGER25-160 +RF N25SGSX	FP6K	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	C	
	RF HSK-F063P-SGER32-080 +RF N32SGSX	FP6J	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	C	
	RF HSK-F063P-SGER32-100 +RF N32SGSX	FP6J	100	9	65	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	C	
	RF HSK-F063P-SGER32-120 +RF N32SGSX	FP6J	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	C	
	RF HSK-F063P-SGER32-160 +RF N32SGSX	FP6J	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	C	
	RF HSK-F063P-SGER40-080 +RF N40SGSX	FP6L	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	C	
	RF HSK-F063P-SGER40-100 +RF N40SGSX	FP6L	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	C	
	RF HSK-F063P-SGER40-120 +RF N40SGSX	FP6L	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	C	
	RF HSK-F063P-SGER40-160 +RF N40SGSX	FP6L	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	

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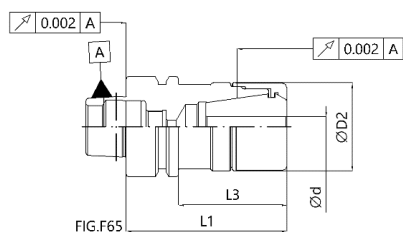
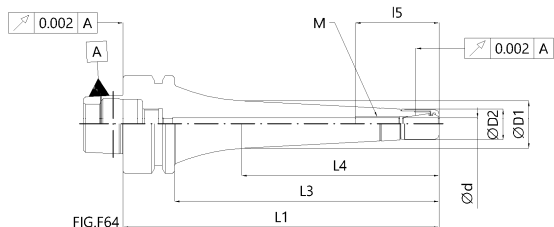
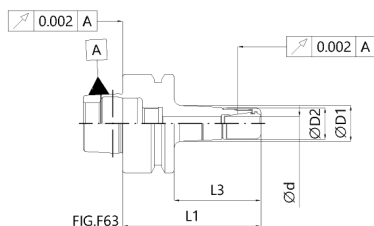
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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	RF HSK-F080P-SGER16-080 +RF N16SGSX	FP6J	80	9	45	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	1.60	C	
	RF HSK-F080P-SGER16-100 +RF N16SGSX	FP6J	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	C	
	RF HSK-F080P-SGER16-120 +RF N16SGSX	FP6J	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	C	
	RF HSK-F080P-SGER16-160 +RF N16SGSX	FP6K	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
	RF HSK-F080P-SGER20-080 +RF N20SGSX	FP6J	80	9	45	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	1.70	C	
	RF HSK-F080P-SGER20-100 +RF N20SGSX	FP6J	100	9	65	-	48	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	C	
	RF HSK-F080P-SGER20-120 +RF N20SGSX	FP6J	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	C	
	RF HSK-F080P-SGER20-160 +RF N20SGSX	FP6K	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
	RF HSK-F080P-SGER25-080 +RF N25SGSX	FP6J	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.90	C	
	RF HSK-F080P-SGER25-100 +RF N25SGSX	FP6J	100	9	65	-	46	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	C	
	RF HSK-F080P-SGER25-120 +RF N25SGSX	FP6J	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	C	
	RF HSK-F080P-SGER25-160 +RF N25SGSX	FP6K	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
	RF HSK-F080P-SGER32-080 +RF N32SGSX	FP6J	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	2.10	C	
	RF HSK-F080P-SGER32-100 +RF N32SGSX	FP6J	100	9	65	-	44	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	C	
	RF HSK-F080P-SGER32-120 +RF N32SGSX	FP6J	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	C	
	RF HSK-F080P-SGER32-160 +RF N32SGSX	FP6K	160	9	125	80	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
	RF HSK-F080P-SGER40-080 +RF N40SGSX	FP6J	80	9	45	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.40	C	
	RF HSK-F080P-SGER40-100 +RF N40SGSX	FP6J	100	9	65	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.70	C	
	RF HSK-F080P-SGER40-120 +RF N40SGSX	FP6J	120	9	85	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	
	RF HSK-F080P-SGER40-160 +RF N40SGSX	FP6J	160	9	125	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	

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supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F040-SGER11M-050 +RF N11SGMXR	F63	50	-	30	-	-	17	16	RY0160	0.5~7.0	ER11	-	0.20	B	
	HSK-F040-SGER11M-070 +RF N11SGMXR	F63	70	-	50	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	B	
	HSK-F040-SGER11M-100 +RF N11SGMXR	F63	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.70	B	
	HSK-F040-SGER16M-050 +RF N16SGMXR	F63	50	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.30	B	
	HSK-F040-SGER16M-070 +RF N16SGMXR	F63	70	-	50	-	-	27	24	RY0240	0.5~10.0	ER16	-	0.50	B	
	HSK-F040-SGER16M-100 +RF N16SGMXR	F63	100	-	80	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.80	B	
	HSK-F040-SGER20M-070 +RF N20SGMXR	F63	70	-	50	-	-	31	28	RY0280	0.5~13.0	ER20	-	0.60	B	
	HSK-F040-SGER20M-100 +RF N20SGMXR	F63	100	-	80	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.90	B	
	HSK-F040-SGER25M-070 +RF N25SGMXR	F65	70	-	50	-	-	-	36	RY0360	0.5~16.0	ER25	-	0.80	B	
	HSK-F040-SGER25M-100 +RF N25SGMXR	F65	100	-	80	-	53	-	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.10	B	
	HSK-F040-SGER32M-070 +RF N32SGMXR	F65	70	-	50	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.00	B	
	HSK-F040-SGER32M-100 +RF N32SGMXR	F65	100	-	80	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.30	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-F-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR

supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

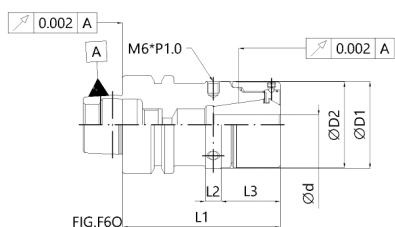
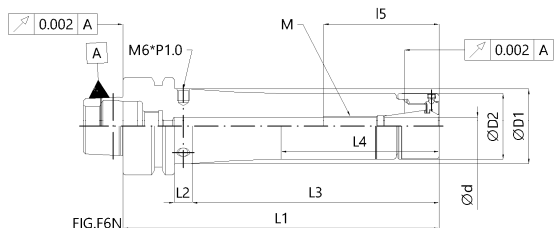
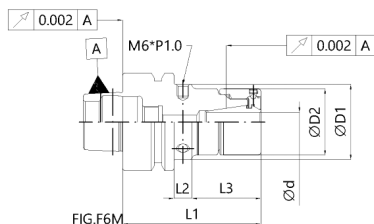
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F050-SGER11M-070 +RF N11SGMXR	F63	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.50	B	
	HSK-F050-SGER11M-100 +RF N11SGMXR	F63	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	B	
	HSK-F050-SGER11M-120 +RF N11SGMXR	F63	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.00	B	
	HSK-F050-SGER11M-160 +RF N11SGMXR	F64	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	B	
	HSK-F050-SGER16M-070 +RF N16SGMXR	F63	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.60	B	
	HSK-F050-SGER16M-100 +RF N16SGMXR	F63	100	-	74	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-F050-SGER16M-120 +RF N16SGMXR	F63	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-F050-SGER16M-160 +RF N16SGMXR	F64	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.50	B	
	HSK-F050-SGER20M-070 +RF N20SGMXR	F63	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.70	B	
	HSK-F050-SGER20M-100 +RF N20SGMXR	F63	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-F050-SGER20M-120 +RF N20SGMXR	F63	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-F050-SGER20M-160 +RF N20SGMXR	F64	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.60	B	
	HSK-F050-SGER25M-080 +RF N25SGMXR	F63	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.00	B	
	HSK-F050-SGER25M-100 +RF N25SGMXR	F63	100	-	74	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-F050-SGER25M-120 +RF N25SGMXR	F63	120	-	94	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-F050-SGER25M-160 +RF N25SGMXR	F63	160	-	134	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.80	B	
	HSK-F050-SGER32M-080 +RF N32SGMXR	F65	80	-	54	-	-	-	44	RY0440	2.0~20.0	ER32	-	1.20	B	
	HSK-F050-SGER32M-100 +RF N32SGMXR	F65	100	-	74	-	55	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	B	
	HSK-F050-SGER32M-120 +RF N32SGMXR	F65	120	-	94	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-F050-SGER32M-160 +RF N32SGMXR	F65	160	-	134	-	57	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.00	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F063-SGER11M-070 +RF N11SGMXR	F63	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	B	
	HSK-F063-SGER11M-100 +RF N11SGMXR	F63	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	B	
	HSK-F063-SGER11M-120 +RF N11SGMXR	F63	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	B	
	HSK-F063-SGER11M-160 +RF N11SGMXR	F64	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.50	B	
	HSK-F063-SGER16M-070 +RF N16SGMXR	F63	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.70	B	
	HSK-F063-SGER16M-100 +RF N16SGMXR	F63	100	-	74	-	46	39	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-F063-SGER16M-120 +RF N16SGMXR	F63	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-F063-SGER16M-160 +RF N16SGMXR	F64	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-F063-SGER20M-070 +RF N20SGMXR	F63	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.80	B	
	HSK-F063-SGER20M-100 +RF N20SGMXR	F63	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-F063-SGER20M-120 +RF N20SGMXR	F63	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-F063-SGER20M-160 +RF N20SGMXR	F64	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-F063-SGER25M-080 +RF N25SGMXR	F63	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.10	B	
	HSK-F063-SGER25M-100 +RF N25SGMXR	F63	100	-	74	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-F063-SGER25M-120 +RF N25SGMXR	F63	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-F063-SGER25M-160 +RF N25SGMXR	F63	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-F063-SGER32M-080 +RF N32SGMXR	F63	80	-	54	-	-	47	44	RY0440	2.0~20.0	ER32	-	1.30	B	
	HSK-F063-SGER32M-100 +RF N32SGMXR	F63	100	-	74	-	51	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-F063-SGER32M-120 +RF N32SGMXR	F63	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-F063-SGER32M-160 +RF N32SGMXR	F63	160	-	134	-	57	52	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.10	B	

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supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F040-SGER16-070 +RF N16SGXR nano	F6O	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
	HSK-F040-SGER16-100 +RF N16SGXR nano	F6O	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-F040-SGER20-070 +RF N20SGXR nano	F6O	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
	HSK-F040-SGER20-100 +RF N20SGXR nano	F6O	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-F040-SGER25-070 +RF N25SGXR nano	F6O	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
	HSK-F040-SGER25-100 +RF N25SGXR nano	F6O	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-F040-SGER32-070 +RF N32SGXR nano	F6O	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
	HSK-F040-SGER32-100 +RF N32SGXR nano	F6O	100	8	72	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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supERgrip SGER & ER // HSK-F-SGER+RF NSGXR nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

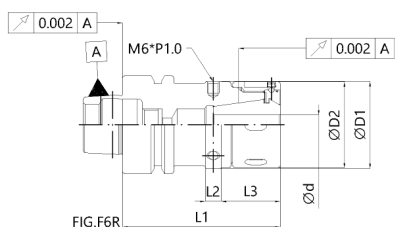
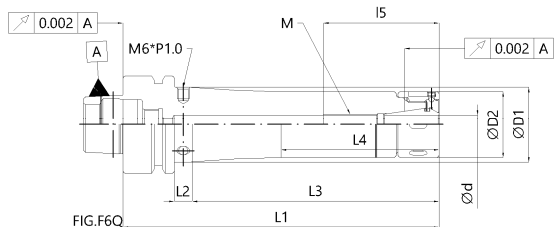
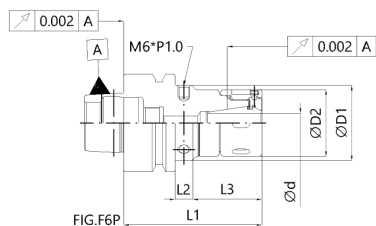
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F050-SGER16-070 +RF N16SGXR nano	F6M	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
	HSK-F050-SGER16-100 +RF N16SGXR nano	F6M	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-F050-SGER16-120 +RF N16SGXR nano	F6M	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-F050-SGER16-160 +RF N16SGXR nano	F6N	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-F050-SGER20-070 +RF N20SGXR nano	F6M	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
	HSK-F050-SGER20-100 +RF N20SGXR nano	F6M	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-F050-SGER20-120 +RF N20SGXR nano	F6M	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-F050-SGER20-160 +RF N20SGXR nano	F6N	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-F050-SGER25-080 +RF N25SGXR nano	F6O	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
	HSK-F050-SGER25-100 +RF N25SGXR nano	F6O	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-F050-SGER25-120 +RF N25SGXR nano	F6O	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-F050-SGER25-160 +RF N25SGXR nano	F6O	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-F050-SGER32-080 +RF N32SGXR nano	F6O	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
	HSK-F050-SGER32-100 +RF N32SGXR nano	F6O	100	8	50	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-F050-SGER32-120 +RF N32SGXR nano	F6O	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-F050-SGER32-160 +RF N32SGXR nano	F6O	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-F050-SGER40-080 +RF N40SGXR nano	F6O	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
	HSK-F050-SGER40-100 +RF N40SGXR nano	F6O	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
	HSK-F050-SGER40-120 +RF N40SGXR nano	F6O	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-F050-SGER40-160 +RF N40SGXR nano	F6O	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F063-SGER16-070 +RF N16SGXR nano	F6M	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
	HSK-F063-SGER16-100 +RF N16SGXR nano	F6M	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-F063-SGER16-120 +RF N16SGXR nano	F6M	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	HSK-F063-SGER16-160 +RF N16SGXR nano	F6N	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-F063-SGER20-070 +RF N20SGXR nano	F6M	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
	HSK-F063-SGER20-100 +RF N20SGXR nano	F6M	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-F063-SGER20-120 +RF N20SGXR nano	F6M	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	HSK-F063-SGER20-160 +RF N20SGXR nano	F6N	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
○	HSK-F063-SGER25-080 +RF N25SGXR nano	F6M	80	9	35	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
	HSK-F063-SGER25-100 +RF N25SGXR nano	F6M	100	9	65	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-F063-SGER25-120 +RF N25SGXR nano	F6M	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-F063-SGER25-160 +RF N25SGXR nano	F6N	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-F063-SGER32-080 +RF N32SGXR nano	F6M	80	9	35	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
	HSK-F063-SGER32-100 +RF N32SGXR nano	F6M	100	9	65	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-F063-SGER32-120 +RF N32SGXR nano	F6M	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	HSK-F063-SGER32-160 +RF N32SGXR nano	F6M	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-F063-SGER40-080 +RF N40SGXR nano	F6O	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
	HSK-F063-SGER40-100 +RF N40SGXR nano	F6O	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
	HSK-F063-SGER40-120 +RF N40SGXR nano	F6O	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
	HSK-F063-SGER40-160 +RF N40SGXR nano	F6O	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	

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supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F040-SGER16-070 +RF N16SGX nano	F6R	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
	HSK-F040-SGER16-100 +RF N16SGX nano	F6R	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-F040-SGER20-070 +RF N20SGX nano	F6R	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
	HSK-F040-SGER20-100 +RF N20SGX nano	F6R	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-F040-SGER25-070 +RF N25SGX nano	F6R	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
	HSK-F040-SGER25-100 +RF N25SGX nano	F6R	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-F040-SGER32-070 +RF N32SGX nano	F6R	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
	HSK-F040-SGER32-100 +RF N32SGX nano	F6R	100	8	72	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-F-SGER+RF NSGX nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

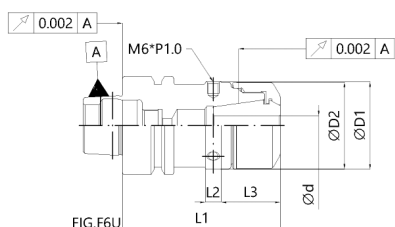
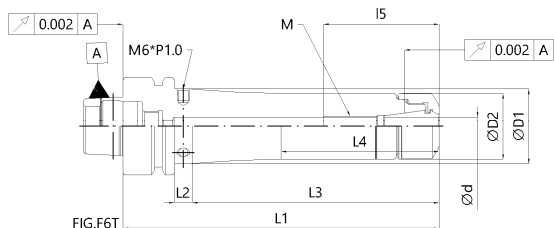
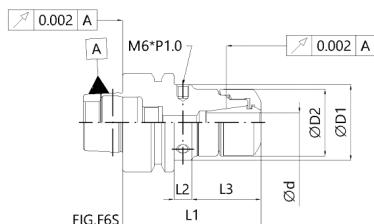
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F050-SGER16-070 +RF N16SGX nano	F6P	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
	HSK-F050-SGER16-100 +RF N16SGX nano	F6P	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-F050-SGER16-120 +RF N16SGX nano	F6P	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-F050-SGER16-160 +RF N16SGX nano	F6Q	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-F050-SGER20-070 +RF N20SGX nano	F6P	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
	HSK-F050-SGER20-100 +RF N20SGX nano	F6P	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-F050-SGER20-120 +RF N20SGX nano	F6P	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-F050-SGER20-160 +RF N20SGX nano	F6Q	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-F050-SGER25-080 +RF N25SGX nano	F6R	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
	HSK-F050-SGER25-100 +RF N25SGX nano	F6R	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-F050-SGER25-120 +RF N25SGX nano	F6R	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-F050-SGER25-160 +RF N25SGX nano	F6R	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-F050-SGER32-080 +RF N32SGX nano	F6R	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
	HSK-F050-SGER32-100 +RF N32SGX nano	F6R	100	8	50	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-F050-SGER32-120 +RF N32SGX nano	F6R	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-F050-SGER32-160 +RF N32SGX nano	F6R	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-F050-SGER40-080 +RF N40SGX nano	F6R	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
	HSK-F050-SGER40-100 +RF N40SGX nano	F6R	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
	HSK-F050-SGER40-120 +RF N40SGX nano	F6R	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-F050-SGER40-160 +RF N40SGX nano	F6R	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F063-SGER16-070 +RF N16SGX nano	F6P	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
	HSK-F063-SGER16-100 +RF N16SGX nano	F6P	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-F063-SGER16-120 +RF N16SGX nano	F6P	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	HSK-F063-SGER16-160 +RF N16SGX nano	F6Q	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-F063-SGER20-070 +RF N20SGX nano	F6P	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
	HSK-F063-SGER20-100 +RF N20SGX nano	F6P	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-F063-SGER20-120 +RF N20SGX nano	F6P	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	HSK-F063-SGER20-160 +RF N20SGX nano	F6Q	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
○	HSK-F063-SGER25-080 +RF N25SGX nano	F6P	80	9	35	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
	HSK-F063-SGER25-100 +RF N25SGX nano	F6P	100	9	65	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-F063-SGER25-120 +RF N25SGX nano	F6P	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-F063-SGER25-160 +RF N25SGX nano	F6Q	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-F063-SGER32-080 +RF N32SGX nano	F6P	80	9	35	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
	HSK-F063-SGER32-100 +RF N32SGX nano	F6P	100	9	65	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-F063-SGER32-120 +RF N32SGX nano	F6P	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	HSK-F063-SGER32-160 +RF N32SGX nano	F6P	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-F063-SGER40-080 +RF N40SGX nano	F6R	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
	HSK-F063-SGER40-100 +RF N40SGX nano	F6R	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
	HSK-F063-SGER40-120 +RF N40SGX nano	F6R	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
	HSK-F063-SGER40-160 +RF N40SGX nano	F6R	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F040-SGER16-070 +RF N16SGSXR	F6U	70	8	42	-	-	34.4	34	RY0340	0.5~10.0	ER16	-	0.60	B	
	HSK-F040-SGER16-100 +RF N16SGSXR	F6U	100	8	72	-	46	34.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-F040-SGER20-070 +RF N20SGSXR	F6U	70	8	42	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.70	B	
	HSK-F040-SGER20-100 +RF N20SGSXR	F6U	100	8	72	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-F040-SGER25-070 +RF N25SGSXR	F6U	70	8	42	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	B	
	HSK-F040-SGER25-100 +RF N25SGSXR	F6U	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-F040-SGER32-070 +RF N32SGSXR	F6U	70	8	42	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	B	
	HSK-F040-SGER32-100 +RF N32SGSXR	F6U	100	8	72	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-F-SGER+RF NSGSXR

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR

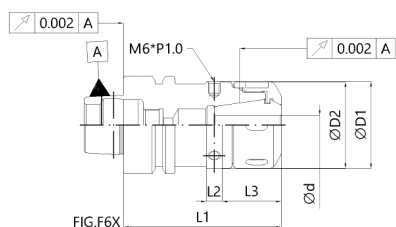
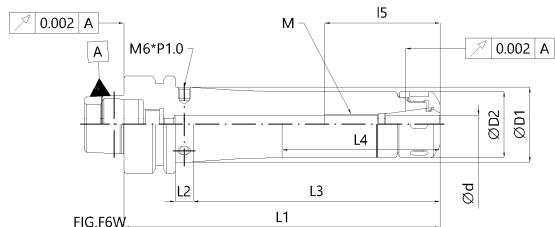
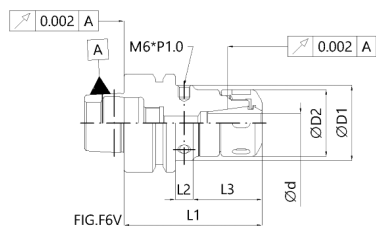
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F050-SGER16-070 +RF N16SGSXR	F6S	70	9	35	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.70	B	
	HSK-F050-SGER16-100 +RF N16SGSXR	F6S	100	9	65	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-F050-SGER16-120 +RF N16SGSXR	F6S	120	9	85	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-F050-SGER16-160 +RF N16SGSXR	F6T	160	9	125	80	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-F050-SGER20-070 +RF N20SGSXR	F6S	70	9	35	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.80	B	
	HSK-F050-SGER20-100 +RF N20SGSXR	F6S	100	9	65	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-F050-SGER20-120 +RF N20SGSXR	F6S	120	9	85	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-F050-SGER20-160 +RF N20SGSXR	F6T	160	9	125	80	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-F050-SGER25-080 +RF N25SGSXR	F6U	80	8	30	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	1.10	B	
	HSK-F050-SGER25-100 +RF N25SGSXR	F6U	100	8	50	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-F050-SGER25-120 +RF N25SGSXR	F6U	120	8	70	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-F050-SGER25-160 +RF N25SGSXR	F6U	160	8	110	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-F050-SGER32-080 +RF N32SGSXR	F6U	80	8	30	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.30	B	
	HSK-F050-SGER32-100 +RF N32SGSXR	F6U	100	8	50	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-F050-SGER32-120 +RF N32SGSXR	F6U	120	8	70	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-F050-SGER32-160 +RF N32SGSXR	F6U	160	8	110	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-F050-SGER40-080 +RF N40SGSXR	F6U	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	B	
	HSK-F050-SGER40-100 +RF N40SGSXR	F6U	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.00	B	
	HSK-F050-SGER40-120 +RF N40SGSXR	F6U	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-F050-SGER40-160 +RF N40SGSXR	F6U	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F063-SGER16-070 +RF N16SGSXR	F6S	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	B	
	HSK-F063-SGER16-100 +RF N16SGSXR	F6S	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-F063-SGER16-120 +RF N16SGSXR	F6S	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	B	
	HSK-F063-SGER16-160 +RF N16SGSXR	F6T	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-F063-SGER20-070 +RF N20SGSXR	F6S	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	B	
	HSK-F063-SGER20-100 +RF N20SGSXR	F6S	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-F063-SGER20-120 +RF N20SGSXR	F6S	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	B	
	HSK-F063-SGER20-160 +RF N20SGSXR	F6T	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	B	
○	HSK-F063-SGER25-080 +RF N25SGSXR	F6S	80	9	35	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	B	
	HSK-F063-SGER25-100 +RF N25SGSXR	F6S	100	9	65	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-F063-SGER25-120 +RF N25SGSXR	F6S	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-F063-SGER25-160 +RF N25SGSXR	F6T	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-F063-SGER32-080 +RF N32SGSXR	F6S	80	9	35	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	B	
	HSK-F063-SGER32-100 +RF N32SGSXR	F6S	100	9	65	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-F063-SGER32-120 +RF N32SGSXR	F6S	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	B	
	HSK-F063-SGER32-160 +RF N32SGSXR	F6S	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-F063-SGER40-080 +RF N40SGSXR	F6U	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	B	
	HSK-F063-SGER40-100 +RF N40SGSXR	F6U	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	B	
	HSK-F063-SGER40-120 +RF N40SGSXR	F6U	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	B	
	HSK-F063-SGER40-160 +RF N40SGSXR	F6U	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F040-SGER16-070 +RF N16SGSX	F6X	70	8	42	-	-	34.4	34	YMK035	0.5~10.0	ER16	-	0.60	B	
	HSK-F040-SGER16-100 +RF N16SGSX	F6X	100	8	72	-	46	34.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	B	
	HSK-F040-SGER20-070 +RF N20SGSX	F6X	70	8	42	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.70	B	
	HSK-F040-SGER20-100 +RF N20SGSX	F6X	100	8	72	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	B	
	HSK-F040-SGER25-070 +RF N25SGSX	F6X	70	8	42	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	B	
	HSK-F040-SGER25-100 +RF N25SGSX	F6X	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	B	
	HSK-F040-SGER32-070 +RF N32SGSX	F6X	70	8	42	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	B	
	HSK-F040-SGER32-100 +RF N32SGSX	F6X	100	8	72	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	B	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-F-SGER+RF NSGSX

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

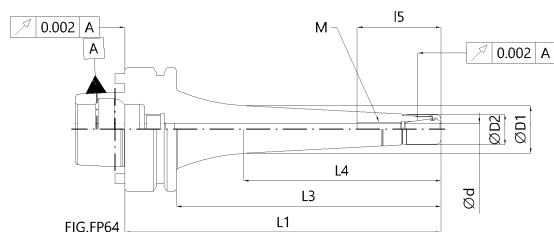
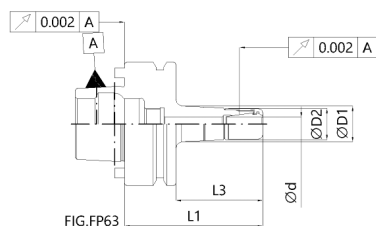
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F050-SGER16-070 +RF N16SGSX	F6V	70	9	35	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.70	B	
	HSK-F050-SGER16-100 +RF N16SGSX	F6V	100	9	65	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	B	
	HSK-F050-SGER16-120 +RF N16SGSX	F6V	120	9	85	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.20	B	
	HSK-F050-SGER16-160 +RF N16SGSX	F6W	160	9	125	80	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.60	B	
	HSK-F050-SGER20-070 +RF N20SGSX	F6V	70	9	35	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.80	B	
	HSK-F050-SGER20-100 +RF N20SGSX	F6V	100	9	65	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	B	
	HSK-F050-SGER20-120 +RF N20SGSX	F6V	120	9	85	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.30	B	
	HSK-F050-SGER20-160 +RF N20SGSX	F6W	160	9	125	80	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.70	B	
	HSK-F050-SGER25-080 +RF N25SGSX	F6X	80	8	30	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	1.10	B	
	HSK-F050-SGER25-100 +RF N25SGSX	F6X	100	8	50	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	B	
	HSK-F050-SGER25-120 +RF N25SGSX	F6X	120	8	70	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.50	B	
	HSK-F050-SGER25-160 +RF N25SGSX	F6X	160	8	110	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.90	B	
	HSK-F050-SGER32-080 +RF N32SGSX	F6X	80	8	30	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.30	B	
	HSK-F050-SGER32-100 +RF N32SGSX	F6X	100	8	50	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	B	
	HSK-F050-SGER32-120 +RF N32SGSX	F6X	120	8	70	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.70	B	
	HSK-F050-SGER32-160 +RF N32SGSX	F6X	160	8	110	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.10	B	
	HSK-F050-SGER40-080 +RF N40SGSX	F6X	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	B	
	HSK-F050-SGER40-100 +RF N40SGSX	F6X	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.00	B	
	HSK-F050-SGER40-120 +RF N40SGSX	F6X	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.30	B	
	HSK-F050-SGER40-160 +RF N40SGSX	F6X	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.90	B	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F063-SGER16-070 +RF N16SGSX	F6V	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	B	
	HSK-F063-SGER16-100 +RF N16SGSX	F6V	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	B	
	HSK-F063-SGER16-120 +RF N16SGSX	F6V	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	B	
	HSK-F063-SGER16-160 +RF N16SGSX	F6W	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	B	
	HSK-F063-SGER20-070 +RF N20SGSX	F6V	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	B	
	HSK-F063-SGER20-100 +RF N20SGSX	F6V	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	B	
	HSK-F063-SGER20-120 +RF N20SGSX	F6V	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	B	
	HSK-F063-SGER20-160 +RF N20SGSX	F6W	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	B	
○	HSK-F063-SGER25-080 +RF N25SGSX	F6V	80	9	35	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	B	
	HSK-F063-SGER25-100 +RF N25SGSX	F6V	100	9	65	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	B	
	HSK-F063-SGER25-120 +RF N25SGSX	F6V	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	B	
	HSK-F063-SGER25-160 +RF N25SGSX	F6W	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	B	
	HSK-F063-SGER32-080 +RF N32SGSX	F6V	80	9	35	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	B	
	HSK-F063-SGER32-100 +RF N32SGSX	F6V	100	9	65	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	B	
	HSK-F063-SGER32-120 +RF N32SGSX	F6V	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	B	
	HSK-F063-SGER32-160 +RF N32SGSX	F6V	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	B	
	HSK-F063-SGER40-080 +RF N40SGSX	F6X	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	B	
	HSK-F063-SGER40-100 +RF N40SGSX	F6X	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	B	
	HSK-F063-SGER40-120 +RF N40SGSX	F6X	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	B	
	HSK-F063-SGER40-160 +RF N40SGSX	F6X	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	B	

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supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
 supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F063P-SGER11M-070 +RF N11SGMXR	FP63	70	-	44	-	39	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.60	C	
	HSK-F063P-SGER11M-100 +RF N11SGMXR	FP63	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	C	
	HSK-F063P-SGER11M-120 +RF N11SGMXR	FP63	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	C	
	HSK-F063P-SGER11M-160 +RF N11SGMXR	FP64	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.50	C	
	HSK-F063P-SGER16M-070 +RF N16SGMXR	FP63	70	-	44	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.70	C	
	HSK-F063P-SGER16M-100 +RF N16SGMXR	FP63	100	-	74	-	46	39	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	C	
	HSK-F063P-SGER16M-120 +RF N16SGMXR	FP63	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	C	
	HSK-F063P-SGER16M-160 +RF N16SGMXR	FP64	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.60	C	
	HSK-F063P-SGER20M-070 +RF N20SGMXR	FP63	70	-	44	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.80	C	
	HSK-F063P-SGER20M-100 +RF N20SGMXR	FP63	100	-	74	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	C	
	HSK-F063P-SGER20M-120 +RF N20SGMXR	FP63	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	C	
	HSK-F063P-SGER20M-160 +RF N20SGMXR	FP64	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.70	C	
	HSK-F063P-SGER25M-080 +RF N25SGMXR	FP63	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.10	C	
	HSK-F063P-SGER25M-100 +RF N25SGMXR	FP63	100	-	74	-	53	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	C	
	HSK-F063P-SGER25M-120 +RF N25SGMXR	FP63	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	C	
	HSK-F063P-SGER25M-160 +RF N25SGMXR	FP63	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.90	C	
	HSK-F063P-SGER32M-080 +RF N32SGMXR	FP63	80	-	54	-	-	47	44	RY0440	2.0~20.0	ER32	-	1.30	C	
	HSK-F063P-SGER32M-100 +RF N32SGMXR	FP63	100	-	74	-	51	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	C	
	HSK-F063P-SGER32M-120 +RF N32SGMXR	FP63	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	C	
	HSK-F063P-SGER32M-160 +RF N32SGMXR	FP63	160	-	134	-	57	52	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.10	C	

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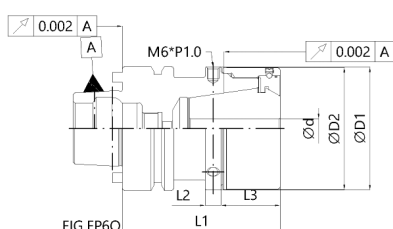
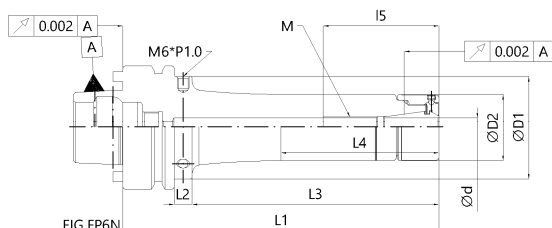
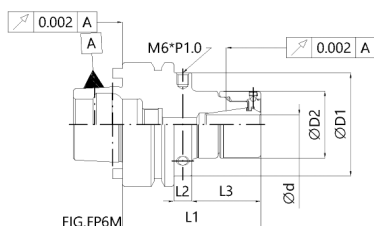
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F080P-SGER11M-080 +RF N11SGMXR	FP63	80	-	54	-	39	19	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.40	C	
	HSK-F080P-SGER11M-100 +RF N11SGMXR	FP63	100	-	74	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.60	C	
	HSK-F080P-SGER11M-120 +RF N11SGMXR	FP63	120	-	94	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.80	C	
	HSK-F080P-SGER11M-160 +RF N11SGMXR	FP64	160	-	134	100	39	24	16	RY0160	0.5~7.0	ER11	M8*P1.0	2.20	C	
	HSK-F080P-SGER16M-080 +RF N16SGMXR	FP63	80	-	54	-	-	27	24	RY0240	0.5~10.0	ER16	-	1.50	C	
	HSK-F080P-SGER16M-100 +RF N16SGMXR	FP63	100	-	74	-	46	39	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.70	C	
	HSK-F080P-SGER16M-120 +RF N16SGMXR	FP63	120	-	94	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.90	C	
	HSK-F080P-SGER16M-160 +RF N16SGMXR	FP64	160	-	134	100	46	32	24	RY0240	0.5~10.0	ER16	M11*P1.0	2.30	C	
	HSK-F080P-SGER20M-080 +RF N20SGMXR	FP63	80	-	54	-	-	31	28	RY0280	0.5~13.0	ER20	-	1.60	C	
	HSK-F080P-SGER20M-100 +RF N20SGMXR	FP63	100	-	74	-	48	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.80	C	
	HSK-F080P-SGER20M-120 +RF N20SGMXR	FP63	120	-	94	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.00	C	
	HSK-F080P-SGER20M-160 +RF N20SGMXR	FP64	160	-	134	100	51	36	28	RY0280	0.5~13.0	ER20	M14*P1.0	2.40	C	
	HSK-F080P-SGER25M-080 +RF N25SGMXR	FP63	80	-	54	-	-	39	36	RY0360	0.5~16.0	ER25	-	1.80	C	
	HSK-F080P-SGER25M-100 +RF N25SGMXR	FP63	100	-	74	-	46	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.00	C	
	HSK-F080P-SGER25M-120 +RF N25SGMXR	FP63	120	-	94	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.20	C	
	HSK-F080P-SGER25M-160 +RF N25SGMXR	FP63	160	-	134	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.60	C	
	HSK-F080P-SGER32M-080 +RF N32SGMXR	FP63	80	-	54	-	-	47	44	RY0440	2.0~20.0	ER32	-	2.00	C	
	HSK-F080P-SGER32M-100 +RF N32SGMXR	FP63	100	-	74	-	44	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.20	C	
	HSK-F080P-SGER32M-120 +RF N32SGMXR	FP63	120	-	94	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.40	C	
	HSK-F080P-SGER32M-160 +RF N32SGMXR	FP63	160	-	134	-	57	55	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.80	C	

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supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F063P-SGER16-070 +RF N16SGXR nano	FP6M	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	C	
	HSK-F063P-SGER16-100 +RF N16SGXR nano	FP6M	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	C	
	HSK-F063P-SGER16-120 +RF N16SGXR nano	FP6M	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	C	
	HSK-F063P-SGER16-160 +RF N16SGXR nano	FP6N	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	C	
	HSK-F063P-SGER20-070 +RF N20SGXR nano	FP6M	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	C	
	HSK-F063P-SGER20-100 +RF N20SGXR nano	FP6M	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	C	
	HSK-F063P-SGER20-120 +RF N20SGXR nano	FP6M	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	C	
	HSK-F063P-SGER20-160 +RF N20SGXR nano	FP6N	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	C	
	HSK-F063P-SGER25-080 +RF N25SGXR nano	FP6M	80	9	35	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	C	
	HSK-F063P-SGER25-100 +RF N25SGXR nano	FP6M	100	9	65	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	C	
	HSK-F063P-SGER25-120 +RF N25SGXR nano	FP6M	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	C	
	HSK-F063P-SGER25-160 +RF N25SGXR nano	FP6N	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	C	
	HSK-F063P-SGER32-080 +RF N32SGXR nano	FP6M	80	9	35	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	C	
	HSK-F063P-SGER32-100 +RF N32SGXR nano	FP6M	100	9	65	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	C	
	HSK-F063P-SGER32-120 +RF N32SGXR nano	FP6M	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	C	
	HSK-F063P-SGER32-160 +RF N32SGXR nano	FP6M	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	C	
	HSK-F063P-SGER40-080 +RF N40SGXR nano	FP6O	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	C	
	HSK-F063P-SGER40-100 +RF N40SGXR nano	FP6O	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	C	
	HSK-F063P-SGER40-120 +RF N40SGXR nano	FP6O	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	C	
	HSK-F063P-SGER40-160 +RF N40SGXR nano	FP6O	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-FP-SGER+RF NSGXR nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR

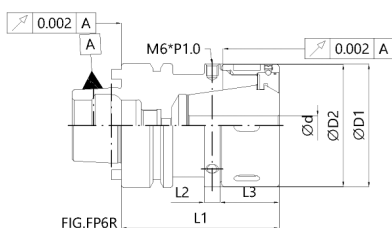
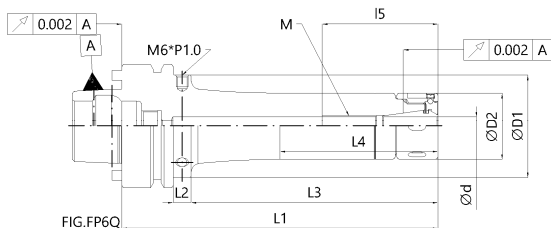
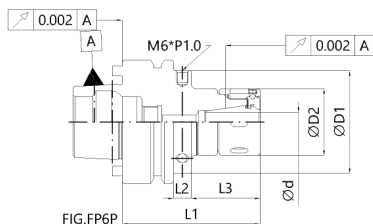
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F080P-SGER16-080 +RF N16SGXR nano	FP6M	80	9	45	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	1.60	C	
	HSK-F080P-SGER16-100 +RF N16SGXR nano	FP6M	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	C	
	HSK-F080P-SGER16-120 +RF N16SGXR nano	FP6M	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	C	
	HSK-F080P-SGER16-160 +RF N16SGXR nano	FP6N	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-F080P-SGER20-080 +RF N20SGXR nano	FP6M	80	9	45	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	1.70	C	
	HSK-F080P-SGER20-100 +RF N20SGXR nano	FP6M	100	9	65	-	48	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	C	
	HSK-F080P-SGER20-120 +RF N20SGXR nano	FP6M	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	C	
	HSK-F080P-SGER20-160 +RF N20SGXR nano	FP6N	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-F080P-SGER25-080 +RF N25SGXR nano	FP6M	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.90	C	
	HSK-F080P-SGER25-100 +RF N25SGXR nano	FP6M	100	9	65	-	46	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	C	
	HSK-F080P-SGER25-120 +RF N25SGXR nano	FP6M	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	C	
	HSK-F080P-SGER25-160 +RF N25SGXR nano	FP6N	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-F080P-SGER32-080 +RF N32SGXR nano	FP6M	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	2.10	C	
	HSK-F080P-SGER32-100 +RF N32SGXR nano	FP6M	100	9	65	-	44	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	C	
	HSK-F080P-SGER32-120 +RF N32SGXR nano	FP6M	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	C	
	HSK-F080P-SGER32-160 +RF N32SGXR nano	FP6N	160	9	125	80	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
	HSK-F080P-SGER40-080 +RF N40SGXR nano	FP6M	80	9	45	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.40	C	
	HSK-F080P-SGER40-100 +RF N40SGXR nano	FP6M	100	9	65	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.70	C	
	HSK-F080P-SGER40-120 +RF N40SGXR nano	FP6M	120	9	85	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	
	HSK-F080P-SGER40-160 +RF N40SGXR nano	FP6M	160	9	125	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F063P-SGER16-070 +RF N16SGX nano	FP6P	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	C	
	HSK-F063P-SGER16-100 +RF N16SGX nano	FP6P	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	C	
	HSK-F063P-SGER16-120 +RF N16SGX nano	FP6P	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	C	
	HSK-F063P-SGER16-160 +RF N16SGX nano	FP6Q	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	C	
	HSK-F063P-SGER20-070 +RF N20SGX nano	FP6P	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	C	
	HSK-F063P-SGER20-100 +RF N20SGX nano	FP6P	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	C	
	HSK-F063P-SGER20-120 +RF N20SGX nano	FP6P	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	C	
	HSK-F063P-SGER20-160 +RF N20SGX nano	FP6Q	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	C	
	HSK-F063P-SGER25-080 +RF N25SGX nano	FP6P	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	C	
	HSK-F063P-SGER25-100 +RF N25SGX nano	FP6P	100	9	65	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	C	
	HSK-F063P-SGER25-120 +RF N25SGX nano	FP6P	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	C	
	HSK-F063P-SGER25-160 +RF N25SGX nano	FP6Q	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	C	
	HSK-F063P-SGER32-080 +RF N32SGX nano	FP6P	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	C	
	HSK-F063P-SGER32-100 +RF N32SGX nano	FP6P	100	9	65	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	C	
	HSK-F063P-SGER32-120 +RF N32SGX nano	FP6P	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	C	
	HSK-F063P-SGER32-160 +RF N32SGX nano	FP6P	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	C	
	HSK-F063P-SGER40-080 +RF N40SGX nano	FP6R	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	C	
	HSK-F063P-SGER40-100 +RF N40SGX nano	FP6R	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	C	
	HSK-F063P-SGER40-120 +RF N40SGX nano	FP6R	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	C	
	HSK-F063P-SGER40-160 +RF N40SGX nano	FP6R	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	

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supERgrip SGER & ER // HSK-FP-SGER+RF NSGX nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

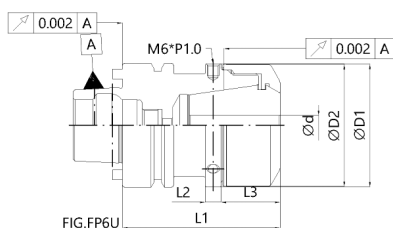
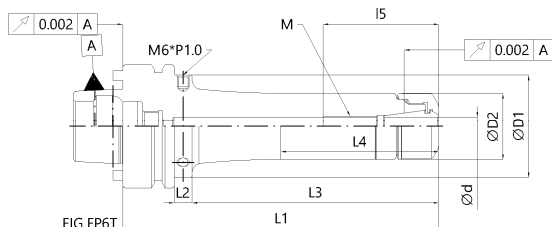
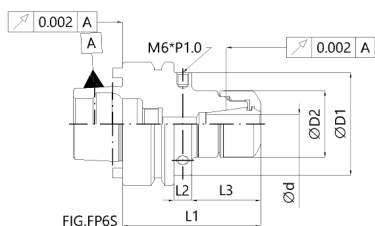
動平衡G2.5/30,000RPM或小於1gmm // BALANCE TO G2.5/30,000RPM OR UNDER 1gmm

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F080P-SGER16-080 +RF N16SGX nano	FP6P	80	9	45	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	1.60	C	
	HSK-F080P-SGER16-100 +RF N16SGX nano	FP6P	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	C	
	HSK-F080P-SGER16-120 +RF N16SGX nano	FP6P	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	C	
	HSK-F080P-SGER16-160 +RF N16SGX nano	FP6Q	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-F080P-SGER20-080 +RF N20SGX nano	FP6P	80	9	45	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	1.70	C	
	HSK-F080P-SGER20-100 +RF N20SGX nano	FP6P	100	9	65	-	48	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	C	
	HSK-F080P-SGER20-120 +RF N20SGX nano	FP6P	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	C	
	HSK-F080P-SGER20-160 +RF N20SGX nano	FP6Q	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-F080P-SGER25-080 +RF N25SGX nano	FP6P	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.90	C	
	HSK-F080P-SGER25-100 +RF N25SGX nano	FP6P	100	9	65	-	46	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	C	
	HSK-F080P-SGER25-120 +RF N25SGX nano	FP6P	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	C	
	HSK-F080P-SGER25-160 +RF N25SGX nano	FP6Q	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-F080P-SGER32-080 +RF N32SGX nano	FP6P	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	2.10	C	
	HSK-F080P-SGER32-100 +RF N32SGX nano	FP6P	100	9	65	-	44	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	C	
	HSK-F080P-SGER32-120 +RF N32SGX nano	FP6P	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	C	
	HSK-F080P-SGER32-160 +RF N32SGX nano	FP6Q	160	9	125	80	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
	HSK-F080P-SGER40-080 +RF N40SGX nano	FP6P	80	9	45	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.40	C	
	HSK-F080P-SGER40-100 +RF N40SGX nano	FP6P	100	9	65	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.70	C	
	HSK-F080P-SGER40-120 +RF N40SGX nano	FP6P	120	9	85	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	
	HSK-F080P-SGER40-160 +RF N40SGX nano	FP6P	160	9	125	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	

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supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F063P-SGER16-070 +RF N16SGSXR	FP6S	70	9	35	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	0.80	C	
	HSK-F063P-SGER16-100 +RF N16SGSXR	FP6S	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	C	
	HSK-F063P-SGER16-120 +RF N16SGSXR	FP6S	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	C	
	HSK-F063P-SGER16-160 +RF N16SGSXR	FP6T	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	C	
	HSK-F063P-SGER20-070 +RF N20SGSXR	FP6S	70	9	35	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	0.90	C	
	HSK-F063P-SGER20-100 +RF N20SGSXR	FP6S	100	9	65	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	C	
	HSK-F063P-SGER20-120 +RF N20SGSXR	FP6S	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	C	
	HSK-F063P-SGER20-160 +RF N20SGSXR	FP6T	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	C	
	HSK-F063P-SGER25-080 +RF N25SGSXR	FP6S	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.20	C	
	HSK-F063P-SGER25-100 +RF N25SGSXR	FP6S	100	9	65	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	C	
	HSK-F063P-SGER25-120 +RF N25SGSXR	FP6S	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	C	
	HSK-F063P-SGER25-160 +RF N25SGSXR	FP6T	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	C	
	HSK-F063P-SGER32-080 +RF N32SGSXR	FP6S	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.40	C	
	HSK-F063P-SGER32-100 +RF N32SGSXR	FP6S	100	9	65	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	C	
	HSK-F063P-SGER32-120 +RF N32SGSXR	FP6S	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	C	
	HSK-F063P-SGER32-160 +RF N32SGSXR	FP6S	160	9	125	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	C	
	HSK-F063P-SGER40-080 +RF N40SGSXR	FP6U	80	8	30	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	C	
	HSK-F063P-SGER40-100 +RF N40SGSXR	FP6U	100	8	50	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	C	
	HSK-F063P-SGER40-120 +RF N40SGSXR	FP6U	120	8	70	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.40	C	
	HSK-F063P-SGER40-160 +RF N40SGSXR	FP6U	160	8	110	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // HSK-FP-SGER+RF NSGSXR

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR

supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F080P-SGER16-080 +RF N16SGSXR	FP6S	80	9	45	-	-	52.4	34	RY0340	0.5~10.0	ER16	-	1.60	C	
	HSK-F080P-SGER16-100 +RF N16SGSXR	FP6S	100	9	65	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.80	C	
	HSK-F080P-SGER16-120 +RF N16SGSXR	FP6S	120	9	85	-	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.00	C	
	HSK-F080P-SGER16-160 +RF N16SGSXR	FP6T	160	9	125	80	46	52.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-F080P-SGER20-080 +RF N20SGSXR	FP6S	80	9	45	-	-	52.4	38	RY0380	0.5~13.0	ER20	-	1.70	C	
	HSK-F080P-SGER20-100 +RF N20SGSXR	FP6S	100	9	65	-	48	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.90	C	
	HSK-F080P-SGER20-120 +RF N20SGSXR	FP6S	120	9	85	-	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.10	C	
	HSK-F080P-SGER20-160 +RF N20SGSXR	FP6T	160	9	125	80	51	52.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-F080P-SGER25-080 +RF N25SGSXR	FP6S	80	9	45	-	-	52.4	44	RY0440	0.5~16.0	ER25	-	1.90	C	
	HSK-F080P-SGER25-100 +RF N25SGSXR	FP6S	100	9	65	-	46	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.10	C	
	HSK-F080P-SGER25-120 +RF N25SGSXR	FP6S	120	9	85	-	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.30	C	
	HSK-F080P-SGER25-160 +RF N25SGSXR	FP6T	160	9	125	80	53	52.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-F080P-SGER32-080 +RF N32SGSXR	FP6S	80	9	45	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	2.10	C	
	HSK-F080P-SGER32-100 +RF N32SGSXR	FP6S	100	9	65	-	44	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.30	C	
	HSK-F080P-SGER32-120 +RF N32SGSXR	FP6S	120	9	85	-	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.50	C	
	HSK-F080P-SGER32-160 +RF N32SGSXR	FP6T	160	9	125	80	57	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.90	C	
	HSK-F080P-SGER40-080 +RF N40SGSXR	FP6S	80	9	45	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.40	C	
	HSK-F080P-SGER40-100 +RF N40SGSXR	FP6S	100	9	65	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.70	C	
	HSK-F080P-SGER40-120 +RF N40SGSXR	FP6S	120	9	85	-	62	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.00	C	
	HSK-F080P-SGER40-160 +RF N40SGSXR	FP6S	160	9	125	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.60	C	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

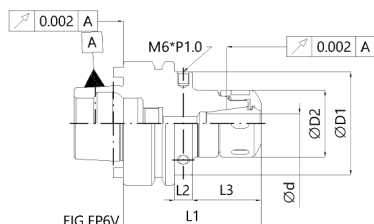


FIG.FP6V

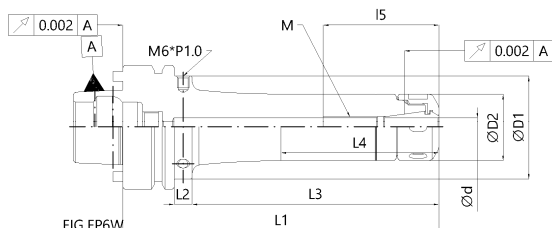


FIG.FP6W

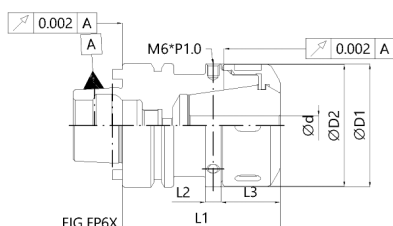


FIG.FP6X



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

STOCK	CODE	FIG.	L1	L2	L3	L4	L5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F063P-SGER16-070 +RF N16SGSX	FP6V	70	9	35	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	0.80	C	
	HSK-F063P-SGER16-100 +RF N16SGSX	FP6V	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	C	
	HSK-F063P-SGER16-120 +RF N16SGSX	FP6V	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	C	
	HSK-F063P-SGER16-160 +RF N16SGSX	FP6W	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	C	
	HSK-F063P-SGER20-070 +RF N20SGSX	FP6V	70	9	35	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	0.90	C	
	HSK-F063P-SGER20-100 +RF N20SGSX	FP6V	100	9	65	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	C	
	HSK-F063P-SGER20-120 +RF N20SGSX	FP6V	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	C	
	HSK-F063P-SGER20-160 +RF N20SGSX	FP6W	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	C	
	HSK-F063P-SGER25-080 +RF N25SGSX	FP6V	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.20	C	
	HSK-F063P-SGER25-100 +RF N25SGSX	FP6V	100	9	65	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	C	
	HSK-F063P-SGER25-120 +RF N25SGSX	FP6V	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	C	
	HSK-F063P-SGER25-160 +RF N25SGSX	FP6W	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	C	
	HSK-F063P-SGER32-080 +RF N32SGSX	FP6V	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.40	C	
	HSK-F063P-SGER32-100 +RF N32SGSX	FP6V	100	9	65	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	C	
	HSK-F063P-SGER32-120 +RF N32SGSX	FP6V	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	C	
	HSK-F063P-SGER32-160 +RF N32SGSX	FP6V	160	9	125	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	C	
	HSK-F063P-SGER40-080 +RF N40SGSX	FP6X	80	8	30	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	C	
	HSK-F063P-SGER40-100 +RF N40SGSX	FP6X	100	8	50	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	C	
	HSK-F063P-SGER40-120 +RF N40SGSX	FP6X	120	8	70	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.40	C	
	HSK-F063P-SGER40-160 +RF N40SGSX	FP6X	160	8	110	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	

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supERgrip SGER & ER // HSK-FP-SGER+RF NSGSX

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	HSK-F080P-SGER16-080 +RF N16SGSX	FP6V	80	9	45	-	-	52.4	34	YMK035	0.5~10.0	ER16	-	1.60	C	
	HSK-F080P-SGER16-100 +RF N16SGSX	FP6V	100	9	65	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.80	C	
	HSK-F080P-SGER16-120 +RF N16SGSX	FP6V	120	9	85	-	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.00	C	
	HSK-F080P-SGER16-160 +RF N16SGSX	FP6W	160	9	125	80	46	52.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	2.40	C	
	HSK-F080P-SGER20-080 +RF N20SGSX	FP6V	80	9	45	-	-	52.4	38	YMK040	0.5~13.0	ER20	-	1.70	C	
	HSK-F080P-SGER20-100 +RF N20SGSX	FP6V	100	9	65	-	48	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.90	C	
	HSK-F080P-SGER20-120 +RF N20SGSX	FP6V	120	9	85	-	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.10	C	
	HSK-F080P-SGER20-160 +RF N20SGSX	FP6W	160	9	125	80	51	52.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.50	C	
	HSK-F080P-SGER25-080 +RF N25SGSX	FP6V	80	9	45	-	-	52.4	44	YMK045	0.5~16.0	ER25	-	1.90	C	
	HSK-F080P-SGER25-100 +RF N25SGSX	FP6V	100	9	65	-	46	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.10	C	
	HSK-F080P-SGER25-120 +RF N25SGSX	FP6V	120	9	85	-	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.30	C	
	HSK-F080P-SGER25-160 +RF N25SGSX	FP6W	160	9	125	80	53	52.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.70	C	
	HSK-F080P-SGER32-080 +RF N32SGSX	FP6V	80	9	45	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	2.10	C	
	HSK-F080P-SGER32-100 +RF N32SGSX	FP6V	100	9	65	-	44	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.30	C	
	HSK-F080P-SGER32-120 +RF N32SGSX	FP6V	120	9	85	-	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.50	C	
	HSK-F080P-SGER32-160 +RF N32SGSX	FP6W	160	9	125	80	57	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.90	C	
	HSK-F080P-SGER40-080 +RF N40SGSX	FP6V	80	9	45	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.40	C	
	HSK-F080P-SGER40-100 +RF N40SGSX	FP6V	100	9	65	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.70	C	
	HSK-F080P-SGER40-120 +RF N40SGSX	FP6V	120	9	85	-	62	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.00	C	
	HSK-F080P-SGER40-160 +RF N40SGSX	FP6V	160	9	125	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.60	C	

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supERgrip SGER & ER // PSC

supERgrip SGER & ER // PSC

PSC is hollow polygon shank short taper toolholders

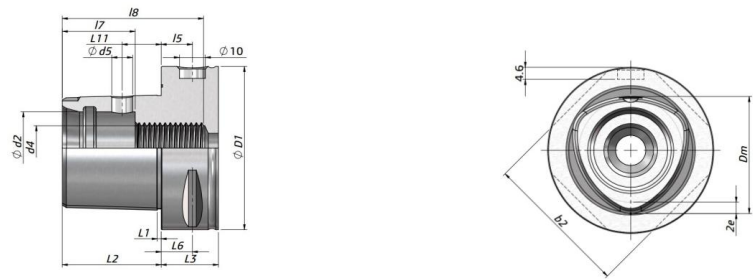
In 2008, ISO published it as norm ISO26623-1:2008

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

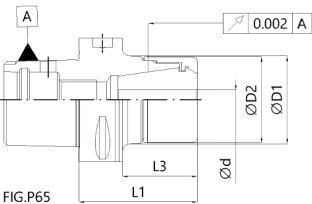
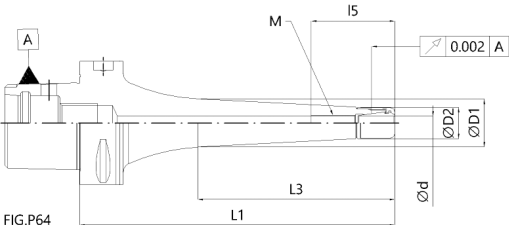
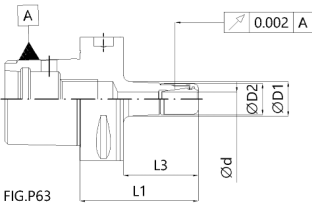


CLAMPING FORCE	PSC032	PSC040	PSC050	PSC063	PSC080	PSC100
	15KN	20KN	25KN	30KN	40KN	60KN

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

supERgrip SGER & ER // PSC-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC040-SGER11M-060 +RF N11SGMXR	P63	60	-	40	-	29	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.30	G	
	PSC040-SGER11M-100 +RF N11SGMXR	P63	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.70	G	
	PSC040-SGER16M-060 +RF N16SGMXR	P63	60	-	40	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.40	G	
	PSC040-SGER16M-100 +RF N16SGMXR	P63	100	-	80	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.80	G	
	PSC040-SGER20M-060 +RF N20SGMXR	P63	60	-	40	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.50	G	
	PSC040-SGER20M-100 +RF N20SGMXR	P63	100	-	80	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	0.90	G	
	PSC040-SGER25M-060 +RF N25SGMXR	P63	60	-	40	-	-	38	36	RY0360	0.5~16.0	ER25	-	0.70	G	
	PSC040-SGER25M-100 +RF N25SGMXR	P63	100	-	80	-	53	38	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.10	G	
	PSC040-SGER32M-060 +RF N32SGMXR	P65	60	-	40	-	-	-	44	RY0440	2.0~20.0	ER32	-	0.90	G	
	PSC040-SGER32M-100 +RF N32SGMXR	P65	100	-	80	-	55	-	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.30	G	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC050-SGER11M-060 +RF N11SGMXR	P63	60	-	40	-	29	18	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.40	G	
	PSC050-SGER11M-100 +RF N11SGMXR	P63	100	-	80	-	39	22	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.80	G	
	PSC050-SGER16M-060 +RF N16SGMXR	P63	60	-	40	-	-	26	24	RY0240	0.5~10.0	ER16	-	0.50	G	
	PSC050-SGER16M-100 +RF N16SGMXR	P63	100	-	80	-	46	30	24	RY0240	0.5~10.0	ER16	M11*P1.0	0.90	G	
	PSC050-SGER20M-060 +RF N20SGMXR	P63	60	-	40	-	-	30	28	RY0280	0.5~13.0	ER20	-	0.60	G	
	PSC050-SGER20M-100 +RF N20SGMXR	P63	100	-	80	-	51	34	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.00	G	
	PSC050-SGER25M-060 +RF N25SGMXR	P63	60	-	40	-	-	38	36	RY0360	0.5~16.0	ER25	-	0.80	G	
	PSC050-SGER25M-100 +RF N25SGMXR	P63	100	-	80	-	53	42	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.20	G	
	PSC050-SGER32M-060 +RF N32SGMXR	P63	60	-	40	-	-	46	44	RY0440	2.0~20.0	ER32	-	1.00	G	
	PSC050-SGER32M-100 +RF N32SGMXR	P63	100	-	80	-	51	48	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.40	G	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // PSC-SGER+RF NSGMXR

supERgrip SGER mini細型強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGMXR
supERgrip SGER mini slim power ER collet chucks+RF rustproof coating round type balanced nut NSGMXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC063-SGER11M-060 +RF N11SGMXR	P63	60	-	48	-	29	17	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.50	G	
	PSC063-SGER11M-100 +RF N11SGMXR	P63	100	-	78	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	0.90	G	
	PSC063-SGER11M-120 +RF N11SGMXR	P63	120	-	98	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.10	G	
	PSC063-SGER11M-160 +RF N11SGMXR	F64	160	-	100	-	39	23	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.50	G	
	PSC063-SGER16M-060 +RF N16SGMXR	P63	60	-	48	-	-	25	24	RY0240	0.5~10.0	ER16	-	0.60	G	
	PSC063-SGER16M-100 +RF N16SGMXR	P63	100	-	78	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.00	G	
	PSC063-SGER16M-120 +RF N16SGMXR	P63	120	-	98	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.20	G	
	PSC063-SGER16M-160 +RF N16SGMXR	F64	160	-	100	-	46	31	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.60	G	
	PSC063-SGER20M-060 +RF N20SGMXR	P63	60	-	48	-	-	29	28	RY0280	0.5~13.0	ER20	-	0.70	G	
	PSC063-SGER20M-100 +RF N20SGMXR	P63	100	-	78	-	51	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.10	G	
	PSC063-SGER20M-120 +RF N20SGMXR	P63	120	-	98	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.30	G	
	PSC063-SGER20M-160 +RF N20SGMXR	F64	160	-	100	-	51	35	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.70	G	
	PSC063-SGER25M-060 +RF N25SGMXR	P63	60	-	48	-	-	37	36	RY0360	0.5~16.0	ER25	-	0.90	G	
	PSC063-SGER25M-100 +RF N25SGMXR	P63	100	-	78	-	51	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.30	G	
	PSC063-SGER25M-120 +RF N25SGMXR	P63	120	-	98	-	53	43	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.50	G	
	PSC063-SGER25M-160 +RF N25SGMXR	F63	160	-	138	-	53	47	36	RY0360	0.5~16.0	ER25	M18*P1.5	1.90	G	
	PSC063-SGER32M-060 +RF N32SGMXR	P63	60	-	48	-	-	45	44	RY0440	2.0~20.0	ER32	-	1.10	G	
	PSC063-SGER32M-100 +RF N32SGMXR	P63	100	-	78	-	49	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.50	G	
	PSC063-SGER32M-120 +RF N32SGMXR	P63	120	-	98	-	57	51	44	RY0440	2.0~20.0	ER32	M24*P1.5	1.70	G	
	PSC063-SGER32M-160 +RF N32SGMXR	F63	160	-	138	-	57	55	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.10	G	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC080-SGER11M-060 +RF N11SGMXR	P63	60	-	30	-	29	17	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.20	G	
	PSC080-SGER11M-100 +RF N11SGMXR	P63	100	-	70	-	39	21	16	RY0160	0.5~7.0	ER11	M8*P1.0	1.60	G	
	PSC080-SGER16M-060 +RF N16SGMXR	P63	60	-	30	-	-	25	24	RY0240	0.5~10.0	ER16	-	1.30	G	
	PSC080-SGER16M-100 +RF N16SGMXR	P63	100	-	70	-	46	29	24	RY0240	0.5~10.0	ER16	M11*P1.0	1.70	G	
	PSC080-SGER20M-060 +RF N20SGMXR	P63	60	-	30	-	-	29	28	RY0280	0.5~13.0	ER20	-	1.40	G	
	PSC080-SGER20M-100 +RF N20SGMXR	P63	100	-	70	-	48	33	28	RY0280	0.5~13.0	ER20	M14*P1.0	1.80	G	
	PSC080-SGER25M-060 +RF N25SGMXR	P63	60	-	30	-	-	37	36	RY0360	0.5~16.0	ER25	-	1.60	G	
	PSC080-SGER25M-100 +RF N25SGMXR	P63	100	-	70	-	46	41	36	RY0360	0.5~16.0	ER25	M18*P1.5	2.00	G	
	PSC080-SGER32M-060 +RF N32SGMXR	P63	60	-	30	-	-	45	44	RY0440	2.0~20.0	ER32	-	1.80	G	
	PSC080-SGER32M-100 +RF N32SGMXR	P63	100	-	70	-	44	49	44	RY0440	2.0~20.0	ER32	M24*P1.5	2.20	G	

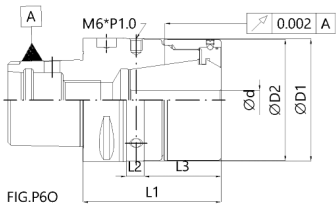
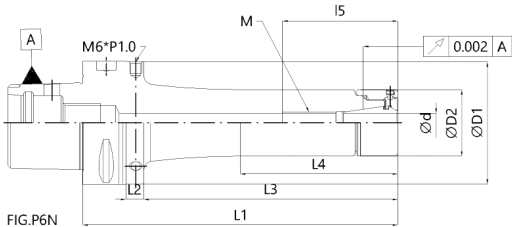
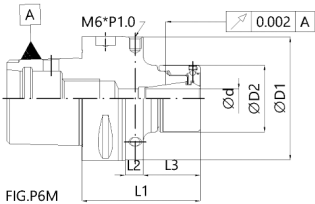
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supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC040-SGER16-060 +RF N16SGXR nano	P6M	60	9	31	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.50	G	
	PSC040-SGER16-100 +RF N16SGXR nano	P6M	100	9	71	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	G	
	PSC040-SGER20-060 +RF N20SGXR nano	P6M	60	9	31	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.60	G	
	PSC040-SGER20-100 +RF N20SGXR nano	P6M	100	9	71	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	G	
	PSC040-SGER25-060 +RF N25SGXR nano	P6O	60	8	32	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.80	G	
	PSC040-SGER25-100 +RF N25SGXR nano	P6O	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	G	
	PSC040-SGER32-060 +RF N32SGXR nano	P6O	60	8	32	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.00	G	
	PSC040-SGER32-100 +RF N32SGXR nano	P6O	100	8	72	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	G	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC050-SGER16-060 +RF N16SGXR nano	P6M	60	9	31	-	-	44.4	34	RY0340	0.5~10.0	ER16	-	0.60	G	
	PSC050-SGER16-100 +RF N16SGXR nano	P6M	100	9	71	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	G	
	PSC050-SGER20-060 +RF N20SGXR nano	P6M	60	9	31	-	-	44.4	38	RY0380	0.5~10.0	ER20	-	0.70	G	
	PSC050-SGER20-100 +RF N20SGXR nano	P6M	100	9	71	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	G	
	PSC050-SGER25-060 +RF N25SGXR nano	P6M	60	9	31	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	G	
	PSC050-SGER25-100 +RF N25SGXR nano	P6M	100	9	71	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	G	
	PSC050-SGER32-060 +RF N32SGXR nano	P6O	60	8	32	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	G	
	PSC050-SGER32-100 +RF N32SGXR nano	P6O	100	8	72	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	G	
	PSC050-SGER40-070 +RF N40SGXR nano	P6O	70	8	42	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	G	
	PSC050-SGER40-100 +RF N40SGXR nano	P6O	100	8	72	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	G	

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 supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nano ball bearing nut NSGXR

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC063-SGER16-060 +RF N16SGXR nano	P6M	60	9	29	-	-	62.4	34	RY0340	0.5~10.0	ER16	-	0.70	G	
	PSC063-SGER16-100 +RF N16SGXR nano	P6M	100	9	69	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	G	
	PSC063-SGER16-120 +RF N16SGXR nano	P6M	120	9	89	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	G	
	PSC063-SGER16-160 +RF N16SGXR nano	P6N	160	9	129	80	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	G	
	PSC063-SGER20-060 +RF N20SGXR nano	P6M	60	9	29	-	-	62.4	38	RY0380	0.5~10.0	ER20	-	0.80	G	
	PSC063-SGER20-100 +RF N20SGXR nano	P6M	100	9	69	-	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	G	
	PSC063-SGER20-120 +RF N20SGXR nano	P6M	120	9	89	-	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	G	
	PSC063-SGER20-160 +RF N20SGXR nano	P6N	160	9	129	80	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	G	
	PSC063-SGER25-060 +RF N25SGXR nano	P6M	60	9	29	-	-	62.4	44	RY0440	0.5~16.0	ER25	-	1.00	G	
	PSC063-SGER25-100 +RF N25SGXR nano	P6M	100	9	69	-	51	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	G	
	PSC063-SGER25-120 +RF N25SGXR nano	P6M	120	9	89	-	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	G	
	PSC063-SGER25-160 +RF N25SGXR nano	P6N	160	9	129	80	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	G	
	PSC063-SGER32-060 +RF N32SGXR nano	P6M	60	9	29	-	-	62.4	52	RY0520	2.0~20.0	ER32	-	1.20	G	
	PSC063-SGER32-100 +RF N32SGXR nano	P6M	100	9	69	-	49	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	G	
	PSC063-SGER32-120 +RF N32SGXR nano	P6M	120	9	89	-	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	G	
	PSC063-SGER32-160 +RF N32SGXR nano	P6N	160	9	129	80	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	G	
	PSC063-SGER40-070 +RF N40SGXR nano	P6M	70	9	39	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	G	
	PSC063-SGER40-100 +RF N40SGXR nano	P6M	100	9	69	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.20	G	
	PSC063-SGER40-120 +RF N40SGXR nano	P6M	120	9	89	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.50	G	
	PSC063-SGER40-160 +RF N40SGXR nano	P6M	160	9	129	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.10	G	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC080-SGER16-070 +RF N16SGXR nano	P6M	70	9	31	-	-	62.4	34	RY0340	0.5~10.0	ER16	-	1.60	G	
	PSC080-SGER16-100 +RF N16SGXR nano	P6M	100	9	61	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.90	G	
	PSC080-SGER20-070 +RF N20SGXR nano	P6M	70	9	31	-	-	62.4	38	RY0380	0.5~13.0	ER20	-	1.70	G	
	PSC080-SGER20-100 +RF N20SGXR nano	P6M	100	9	61	-	48	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.00	G	
	PSC080-SGER25-070 +RF N25SGXR nano	P6M	70	9	31	-	-	62.4	44	RY0440	0.5~16.0	ER25	-	1.90	G	
	PSC080-SGER25-100 +RF N25SGXR nano	P6M	100	9	61	-	46	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.20	G	
	PSC080-SGER32-070 +RF N32SGXR nano	P6M	70	9	31	-	-	62.4	52	RY0520	2.0~20.0	ER32	-	2.10	G	
	PSC080-SGER32-100 +RF N32SGXR nano	P6M	100	9	61	-	44	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.40	G	
	PSC080-SGER40-080 +RF N40SGXR nano	P6M	80	9	31	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.70	G	
	PSC080-SGER40-100 +RF N40SGXR nano	P6M	100	9	61	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	3.00	G	

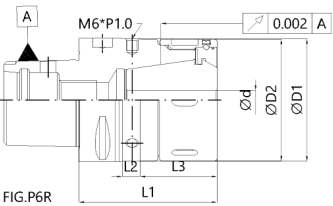
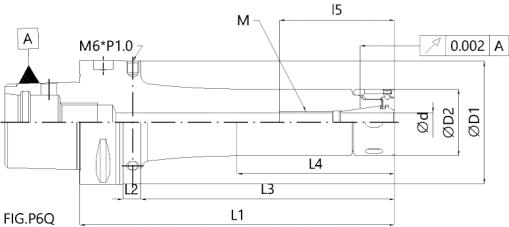
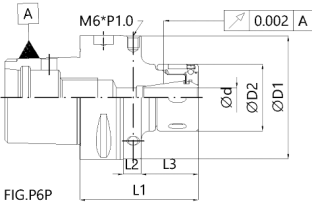
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supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC040-SGER16-060 +RF N16SGX nano	P6P	60	9	31	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.50	G	
	PSC040-SGER16-100 +RF N16SGX nano	P6P	100	9	71	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	G	
	PSC040-SGER20-060 +RF N20SGX nano	P6P	60	9	31	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.60	G	
	PSC040-SGER20-100 +RF N20SGX nano	P6P	100	9	71	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	G	
	PSC040-SGER25-060 +RF N25SGX nano	P6R	60	8	32	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.80	G	
	PSC040-SGER25-100 +RF N25SGX nano	P6R	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	G	
	PSC040-SGER32-060 +RF N32SGX nano	P6R	60	8	32	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.00	G	
	PSC040-SGER32-100 +RF N32SGX nano	P6R	100	8	72	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	G	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC050-SGER16-060 +RF N16SGX nano	P6P	60	9	31	-	-	44.4	34	YMK035	0.5~10.0	ER16	-	0.60	G	
	PSC050-SGER16-100 +RF N16SGX nano	P6P	100	9	71	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	G	
	PSC050-SGER20-060 +RF N20SGX nano	P6P	60	9	31	-	-	44.4	38	YMK040	0.5~10.0	ER20	-	0.70	G	
	PSC050-SGER20-100 +RF N20SGX nano	P6P	100	9	71	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	G	
	PSC050-SGER25-060 +RF N25SGX nano	P6P	60	9	31	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	G	
	PSC050-SGER25-100 +RF N25SGX nano	P6P	100	9	71	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	G	
	PSC050-SGER32-060 +RF N32SGX nano	P6R	60	8	32	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	G	
	PSC050-SGER32-100 +RF N32SGX nano	P6R	100	8	72	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	G	
	PSC050-SGER40-070 +RF N40SGX nano	P6R	70	8	42	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	G	
	PSC050-SGER40-100 +RF N40SGX nano	P6R	100	8	72	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	G	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // PSC-SGER+RF NSGX nano

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX

supERgrip SGER power ER collet chucks+RF rustproof coating balanced nano ball bearing nut NSGX

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

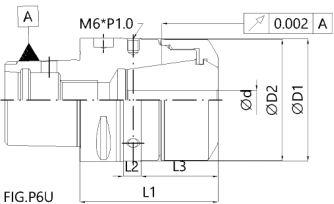
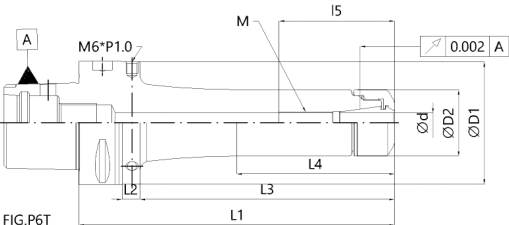
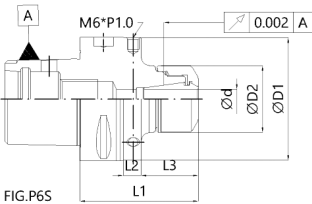
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC063-SGER16-060 +RF N16SGX nano	P6P	60	9	29	-	-	62.4	34	YMK035	0.5~10.0	ER16	-	0.70	G	
	PSC063-SGER16-100 +RF N16SGX nano	P6P	100	9	69	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	G	
	PSC063-SGER16-120 +RF N16SGX nano	P6P	120	9	89	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	G	
	PSC063-SGER16-160 +RF N16SGX nano	P6Q	160	9	129	80	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	G	
	PSC063-SGER20-060 +RF N20SGX nano	P6P	60	9	29	-	-	62.4	38	YMK040	0.5~10.0	ER20	-	0.80	G	
	PSC063-SGER20-100 +RF N20SGX nano	P6P	100	9	69	-	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	G	
	PSC063-SGER20-120 +RF N20SGX nano	P6P	120	9	89	-	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	G	
	PSC063-SGER20-160 +RF N20SGX nano	P6Q	160	9	129	80	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	G	
	PSC063-SGER25-060 +RF N25SGX nano	P6P	60	9	29	-	-	62.4	44	YMK045	0.5~16.0	ER25	-	1.00	G	
	PSC063-SGER25-100 +RF N25SGX nano	P6P	100	9	69	-	51	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	G	
	PSC063-SGER25-120 +RF N25SGX nano	P6P	120	9	89	-	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	G	
	PSC063-SGER25-160 +RF N25SGX nano	P6Q	160	9	129	80	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	G	
	PSC063-SGER32-060 +RF N32SGX nano	P6P	60	9	29	-	-	62.4	52	YMK050	2.0~20.0	ER32	-	1.20	G	
	PSC063-SGER32-100 +RF N32SGX nano	P6P	100	9	69	-	49	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	G	
	PSC063-SGER32-120 +RF N32SGX nano	P6P	120	9	89	-	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	G	
	PSC063-SGER32-160 +RF N32SGX nano	P6Q	160	9	129	80	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	G	
	PSC063-SGER40-070 +RF N40SGX nano	P6P	70	9	39	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	G	
	PSC063-SGER40-100 +RF N40SGX nano	P6P	100	9	69	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.20	G	
	PSC063-SGER40-120 +RF N40SGX nano	P6P	120	9	89	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.50	G	
	PSC063-SGER40-160 +RF N40SGX nano	P6P	160	9	129	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.10	G	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC080-SGER16-070 +RF N16SGX nano	P6P	70	9	31	-	-	62.4	34	YMK035	0.5~10.0	ER16	-	1.60	G	
	PSC080-SGER16-100 +RF N16SGX nano	P6P	100	9	61	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.90	G	
	PSC080-SGER20-070 +RF N20SGX nano	P6P	70	9	31	-	-	62.4	38	YMK040	0.5~13.0	ER20	-	1.70	G	
	PSC080-SGER20-100 +RF N20SGX nano	P6P	100	9	61	-	48	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.00	G	
	PSC080-SGER25-070 +RF N25SGX nano	P6P	70	9	31	-	-	62.4	44	YMK045	0.5~16.0	ER25	-	1.90	G	
	PSC080-SGER25-100 +RF N25SGX nano	P6P	100	9	61	-	46	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.20	G	
	PSC080-SGER32-070 +RF N32SGX nano	P6P	70	9	31	-	-	62.4	52	YMK050	2.0~20.0	ER32	-	2.10	G	
	PSC080-SGER32-100 +RF N32SGX nano	P6P	100	9	61	-	44	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.40	G	
	PSC080-SGER40-080 +RF N40SGX nano	P6P	80	9	31	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.70	G	
	PSC080-SGER40-100 +RF N40SGX nano	P6P	100	9	61	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	3.00	G	

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // PSC-SGER+RF NSGSXR

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層全圓式高速平衡螺帽NSGSXR
supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC040-SGER16-060 +RF N16SGSXR	P6S	60	9	31	-	-	38.4	34	RY0340	0.5~10.0	ER16	-	0.50	G	
	PSC040-SGER16-100 +RF N16SGSXR	P6S	100	9	71	-	46	38.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	0.90	G	
	PSC040-SGER20-060 +RF N20SGSXR	P6S	60	9	31	-	-	38.4	38	RY0380	0.5~13.0	ER20	-	0.60	G	
	PSC040-SGER20-100 +RF N20SGSXR	P6S	100	9	71	-	51	38.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.00	G	
	PSC040-SGER25-060 +RF N25SGSXR	P6U	60	8	32	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.80	G	
	PSC040-SGER25-100 +RF N25SGSXR	P6U	100	8	72	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.20	G	
	PSC040-SGER32-060 +RF N32SGSXR	P6U	60	8	32	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.00	G	
	PSC040-SGER32-100 +RF N32SGSXR	P6U	100	8	72	-	55	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.40	G	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC050-SGER16-060 +RF N16SGSXR	P6S	60	9	31	-	-	44.4	34	RY0340	0.5~10.0	ER16	-	0.60	G	
	PSC050-SGER16-100 +RF N16SGSXR	P6S	100	9	71	-	46	44.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.00	G	
	PSC050-SGER20-060 +RF N20SGSXR	P6S	60	9	31	-	-	44.4	38	RY0380	0.5~10.0	ER20	-	0.70	G	
	PSC050-SGER20-100 +RF N20SGSXR	P6S	100	9	71	-	51	44.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.10	G	
	PSC050-SGER25-060 +RF N25SGSXR	P6S	60	9	31	-	-	44.4	44	RY0440	0.5~16.0	ER25	-	0.90	G	
	PSC050-SGER25-100 +RF N25SGSXR	P6S	100	9	71	-	53	44.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.30	G	
	PSC050-SGER32-060 +RF N32SGSXR	P6U	60	8	32	-	-	52.4	52	RY0520	2.0~20.0	ER32	-	1.10	G	
	PSC050-SGER32-100 +RF N32SGSXR	P6U	100	8	72	-	51	52.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.50	G	
	PSC050-SGER40-070 +RF N40SGSXR	P6U	70	8	42	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.70	G	
	PSC050-SGER40-100 +RF N40SGSXR	P6U	100	8	72	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.10	G	

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supERgrip SGER power ER collet chucks+RF rustproof coating round type balanced nut NSGSXR

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

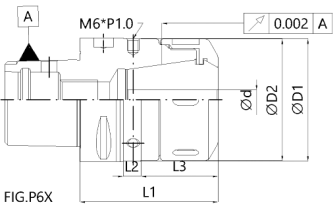
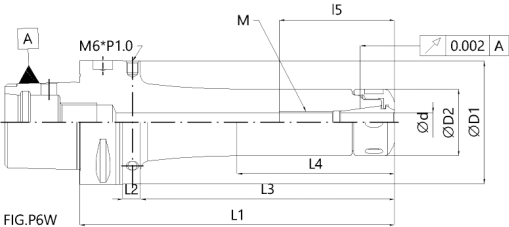
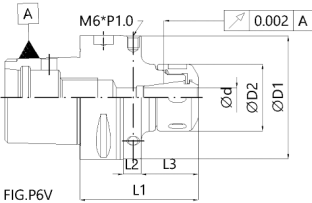
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC063-SGER16-060 +RF N16SGSXR	P6S	60	9	29	-	-	62.4	34	RY0340	0.5~10.0	ER16	-	0.70	G	
	PSC063-SGER16-100 +RF N16SGSXR	P6S	100	9	69	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.10	G	
	PSC063-SGER16-120 +RF N16SGSXR	P6S	120	9	89	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.30	G	
	PSC063-SGER16-160 +RF N16SGSXR	P6T	160	9	129	80	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.70	G	
	PSC063-SGER20-060 +RF N20SGSXR	P6S	60	9	29	-	-	62.4	38	RY0380	0.5~10.0	ER20	-	0.80	G	
	PSC063-SGER20-100 +RF N20SGSXR	P6S	100	9	69	-	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.20	G	
	PSC063-SGER20-120 +RF N20SGSXR	P6S	120	9	89	-	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.40	G	
	PSC063-SGER20-160 +RF N20SGSXR	P6T	160	9	129	80	51	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	1.80	G	
	PSC063-SGER25-060 +RF N25SGSXR	P6S	60	9	29	-	-	62.4	44	RY0440	0.5~16.0	ER25	-	1.00	G	
	PSC063-SGER25-100 +RF N25SGSXR	P6S	100	9	69	-	51	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.40	G	
	PSC063-SGER25-120 +RF N25SGSXR	P6S	120	9	89	-	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	1.60	G	
	PSC063-SGER25-160 +RF N25SGSXR	P6T	160	9	129	80	53	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.00	G	
	PSC063-SGER32-060 +RF N32SGSXR	P6S	60	9	29	-	-	62.4	52	RY0520	2.0~20.0	ER32	-	1.20	G	
	PSC063-SGER32-100 +RF N32SGSXR	P6S	100	9	69	-	49	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.60	G	
	PSC063-SGER32-120 +RF N32SGSXR	P6S	120	9	89	-	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	1.80	G	
	PSC063-SGER32-160 +RF N32SGSXR	P6T	160	9	129	80	57	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.20	G	
	PSC063-SGER40-070 +RF N40SGSXR	P6S	70	9	39	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	1.80	G	
	PSC063-SGER40-100 +RF N40SGSXR	P6S	100	9	69	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.20	G	
	PSC063-SGER40-120 +RF N40SGSXR	P6S	120	9	89	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	2.50	G	
	PSC063-SGER40-160 +RF N40SGSXR	P6S	160	9	129	-	67	62.4	62	RY0620	3.0~26.0	ER40	M28*P1.5	3.10	G	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC080-SGER16-070 +RF N16SGSXR	P6S	70	9	31	-	-	62.4	34	RY0340	0.5~10.0	ER16	-	1.60	G	
	PSC080-SGER16-100 +RF N16SGSXR	P6S	100	9	61	-	46	62.4	34	RY0340	0.5~10.0	ER16	M11*P1.0	1.90	G	
	PSC080-SGER20-070 +RF N20SGSXR	P6S	70	9	31	-	-	62.4	38	RY0380	0.5~13.0	ER20	-	1.70	G	
	PSC080-SGER20-100 +RF N20SGSXR	P6S	100	9	61	-	48	62.4	38	RY0380	0.5~13.0	ER20	M14*P1.0	2.00	G	
	PSC080-SGER25-070 +RF N25SGSXR	P6S	70	9	31	-	-	62.4	44	RY0440	0.5~16.0	ER25	-	1.90	G	
	PSC080-SGER25-100 +RF N25SGSXR	P6S	100	9	61	-	46	62.4	44	RY0440	0.5~16.0	ER25	M18*P1.5	2.20	G	
	PSC080-SGER32-070 +RF N32SGSXR	P6S	70	9	31	-	-	62.4	52	RY0520	2.0~20.0	ER32	-	2.10	G	
	PSC080-SGER32-100 +RF N32SGSXR	P6S	100	9	61	-	44	62.4	52	RY0520	2.0~20.0	ER32	M24*P1.5	2.40	G	
	PSC080-SGER40-080 +RF N40SGSXR	P6S	80	9	31	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	2.70	G	
	PSC080-SGER40-100 +RF N40SGSXR	P6S	100	9	61	-	-	62.4	62	RY0620	3.0~26.0	ER40	-	3.00	G	

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supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX



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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC040-SGER16-060 +RF N16SGSX	P6V	60	9	31	-	-	38.4	34	YMK035	0.5~10.0	ER16	-	0.50	G	
	PSC040-SGER16-100 +RF N16SGSX	P6V	100	9	71	-	46	38.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	0.90	G	
	PSC040-SGER20-060 +RF N20SGSX	P6V	60	9	31	-	-	38.4	38	YMK040	0.5~13.0	ER20	-	0.60	G	
	PSC040-SGER20-100 +RF N20SGSX	P6V	100	9	71	-	51	38.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.00	G	
	PSC040-SGER25-060 +RF N25SGSX	P6X	60	8	32	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.80	G	
	PSC040-SGER25-100 +RF N25SGSX	P6X	100	8	72	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.20	G	
	PSC040-SGER32-060 +RF N32SGSX	P6X	60	8	32	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.00	G	
	PSC040-SGER32-100 +RF N32SGSX	P6X	100	8	72	-	55	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.40	G	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC050-SGER16-060 +RF N16SGSX	P6V	60	9	31	-	-	44.4	34	YMK035	0.5~10.0	ER16	-	0.60	G	
	PSC050-SGER16-100 +RF N16SGSX	P6V	100	9	71	-	46	44.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.00	G	
	PSC050-SGER20-060 +RF N20SGSX	P6V	60	9	31	-	-	44.4	38	YMK040	0.5~10.0	ER20	-	0.70	G	
	PSC050-SGER20-100 +RF N20SGSX	P6V	100	9	71	-	51	44.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.10	G	
	PSC050-SGER25-060 +RF N25SGSX	P6V	60	9	31	-	-	44.4	44	YMK045	0.5~16.0	ER25	-	0.90	G	
	PSC050-SGER25-100 +RF N25SGSX	P6V	100	9	71	-	53	44.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.30	G	
	PSC050-SGER32-060 +RF N32SGSX	P6X	60	8	32	-	-	52.4	52	YMK050	2.0~20.0	ER32	-	1.10	G	
	PSC050-SGER32-100 +RF N32SGSX	P6X	100	8	72	-	51	52.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.50	G	
	PSC050-SGER40-070 +RF N40SGSX	P6X	70	8	42	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.70	G	
	PSC050-SGER40-100 +RF N40SGSX	P6X	100	8	72	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.10	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
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // PSC-SGER+RF NSGSX

supERgrip SGER強力型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSGSX
supERgrip SGER power ER collet chucks+RF rustproof coating balanced nut NSGSX

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

STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC063-SGER16-060 +RF N16SGSX	P6V	60	9	29	-	-	62.4	34	YMK035	0.5~10.0	ER16	-	0.70	G	
	PSC063-SGER16-100 +RF N16SGSX	P6V	100	9	69	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.10	G	
	PSC063-SGER16-120 +RF N16SGSX	P6V	120	9	89	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.30	G	
	PSC063-SGER16-160 +RF N16SGSX	P6W	160	9	129	80	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.70	G	
	PSC063-SGER20-060 +RF N20SGSX	P6V	60	9	29	-	-	62.4	38	YMK040	0.5~10.0	ER20	-	0.80	G	
	PSC063-SGER20-100 +RF N20SGSX	P6V	100	9	69	-	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.20	G	
	PSC063-SGER20-120 +RF N20SGSX	P6V	120	9	89	-	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.40	G	
	PSC063-SGER20-160 +RF N20SGSX	P6W	160	9	129	80	51	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	1.80	G	
	PSC063-SGER25-060 +RF N25SGSX	P6V	60	9	29	-	-	62.4	44	YMK045	0.5~16.0	ER25	-	1.00	G	
	PSC063-SGER25-100 +RF N25SGSX	P6V	100	9	69	-	51	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.40	G	
	PSC063-SGER25-120 +RF N25SGSX	P6V	120	9	89	-	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	1.60	G	
	PSC063-SGER25-160 +RF N25SGSX	P6W	160	9	129	80	53	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.00	G	
	PSC063-SGER32-060 +RF N32SGSX	P6V	60	9	29	-	-	62.4	52	YMK050	2.0~20.0	ER32	-	1.20	G	
	PSC063-SGER32-100 +RF N32SGSX	P6V	100	9	69	-	49	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.60	G	
	PSC063-SGER32-120 +RF N32SGSX	P6V	120	9	89	-	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	1.80	G	
	PSC063-SGER32-160 +RF N32SGSX	P6W	160	9	129	80	57	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.20	G	
	PSC063-SGER40-070 +RF N40SGSX	P6V	70	9	39	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	1.80	G	
	PSC063-SGER40-100 +RF N40SGSX	P6V	100	9	69	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.20	G	
	PSC063-SGER40-120 +RF N40SGSX	P6V	120	9	89	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	2.50	G	
	PSC063-SGER40-160 +RF N40SGSX	P6V	160	9	129	-	67	62.4	62	YMK060	3.0~26.0	ER40	M28*P1.5	3.10	G	
STOCK	CODE	FIG.	L1	L2	L3	L4	I5	ØD1	ØD2	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	PSC080-SGER16-070 +RF N16SGSX	P6V	70	9	31	-	-	62.4	34	YMK035	0.5~10.0	ER16	-	1.60	G	
	PSC080-SGER16-100 +RF N16SGSX	P6V	100	9	61	-	46	62.4	34	YMK035	0.5~10.0	ER16	M11*P1.0	1.90	G	
	PSC080-SGER20-070 +RF N20SGSX	P6V	70	9	31	-	-	62.4	38	YMK040	0.5~13.0	ER20	-	1.70	G	
	PSC080-SGER20-100 +RF N20SGSX	P6V	100	9	61	-	48	62.4	38	YMK040	0.5~13.0	ER20	M14*P1.0	2.00	G	
	PSC080-SGER25-070 +RF N25SGSX	P6V	70	9	31	-	-	62.4	44	YMK045	0.5~16.0	ER25	-	1.90	G	
	PSC080-SGER25-100 +RF N25SGSX	P6V	100	9	61	-	46	62.4	44	YMK045	0.5~16.0	ER25	M18*P1.5	2.20	G	
	PSC080-SGER32-070 +RF N32SGSX	P6V	70	9	31	-	-	62.4	52	YMK050	2.0~20.0	ER32	-	2.10	G	
	PSC080-SGER32-100 +RF N32SGSX	P6V	100	9	61	-	44	62.4	52	YMK050	2.0~20.0	ER32	M24*P1.5	2.40	G	
	PSC080-SGER40-080 +RF N40SGSX	P6V	80	9	31	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	2.70	G	
	PSC080-SGER40-100 +RF N40SGSX	P6V	100	9	61	-	-	62.4	62	YMK060	3.0~26.0	ER40	-	3.00	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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // S

supERgrip SGER & ER // S

Straight shank collet chuck extensions are used frequently
However, it is never easy to produce an accurate one
There are some points to notice

直柄筒夾刀桿的使用頻率很高
但是要生產精準的直柄延長桿並不是很簡單
需要注意的有:

1. Tolerance of shank

1. 直柄的尺寸公差

Most makers produce it in h6
YAMAKEN produce it more precise than h5

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

2. 直柄的真圓度

Most makers produce it in 0.002mm~0.003mm
YAMAKEN produce it in 0.0005mm~0.0010mm

一般廠商生產的是0.0020mm~0.0030mm
山謙生產的是0.0005~0.0010mm

3. Straightness of shank

3. 直柄的真直度

Most makers produce it in 0.003mm~0.006mm@300mm
YAMAKEN produce it in 0.0010mm~0.0030mm@300mm

一般廠商生產的是0.0030mm~0.0060mm@300mm長
山謙生產的是0.0010mm~0.0030mm@300mm長

4. Roughness of shank

4. 直柄的表面粗糙度

Most makers produce it in Ra0.8~Ra0.4
YAMAKEN produce it Ra0.2

一般廠商生產的是Ra0.8~Ra0.4
山謙生產的是Ra0.2

5. Runout of the bore

5. 孔徑的偏擺

Most makers produce it in 0.005mm~0.020mm
YAMAKEN produce it 0.003mm

一般廠商生產的是0.005mm~0.020mm
山謙生產的是0.003mm

柄徑公差				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

直柄筒夾刀桿種類:

直柄筒夾刀桿種類:

Type of straight shank collet chuck extensions:

Type of straight shank collet chuck extensions:

SSLD-ERM & SSLD-ER

SSLKT-ERM & SSLKT-ER
SSL-ERM & SSL-ER

SL-ER

S-ERM & S-ER



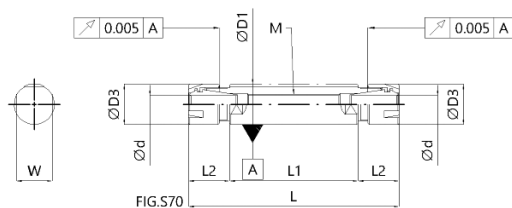
SSLD=雙頭短鼻側固直柄
SSLD=Double heads short nose
straight shank with flat

SSL=短鼻側固直柄
SSL=Short nose
straight shank with flat

SL=側固直柄
SL=Straight shank with flat

S=直柄
S=Straight shank

SSLKT=高壓中心出水短鼻側固直柄
SSLKT=High pressure coolant through short nose
straight shank with flat



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD16-ER11M-030 +RF N11MX*2	S70	62	30	16	-	16	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.10	B	
◎	SSLD16-ER11M-050 +RF N11MX*2	S70	82	50	16	-	16	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLD16-ER11M-075 +RF N11MX*2	S70	107	75	16	-	16	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD20-ER11M-033 +RF N11MX*2	S70	65	33	16	-	20	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLD20-ER11M-053 +RF N11MX*2	S70	85	53	16	-	20	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLD20-ER11M-085 +RF N11MX*2	S70	117	85	16	-	20	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.25	B	
◎	SSLD20-ER16M-055 +RF N16MX*2	S70	101	55	23	-	20	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD22-ER16M-067(#421-22) +RF N16MX*2	S70	113	67	23	-	22	-	22	19	ER16M	0.5~10.0	ER16	-	0.25	B	
◎	SSLD22-ER16M-080(#421-27) +RF N16MX*2	S70	133	80	23	-	22	-	22	19	ER16M	0.5~10.0	ER16	-	0.30	B	
◎	SSLD22-ER16M-065 +RF N16MX*2	S70	111	65	23	-	22	-	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLD22-ER16M-085 +RF N16MX*2	S70	131	85	23	-	22	-	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSLD23-ER16M-040(#3110511) +RF N16MX*2	S70	92	40	26	-	23	-	22	16	ER16M	0.5~10.0	ER16	-	0.25	B	
▲	SSLD23-ER16M-060(#3110510) +RF N16MX*2	S70	112	60	26	-	23	-	22	16	ER16M	0.5~10.0	ER16	-	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD25-ER16M-062 +RF N16MX*2	S70	108	62	23	-	25	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLD25-ER16M-080 +RF N16MX*2	S70	126	80	23	-	25	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLD25-ER20M-062 +RF N20MX*2	S70	108	62	24	-	25	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSLD25-ER20M-080 +RF N20MX*2	S70	126	80	24	-	25	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SSLD32-ER20M-055 +RF N20MX*2	S70	103	55	24	-	32	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
○	SSLD32-ER20M-085 +RF N20MX*2	S70	133	85	24	-	32	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.55	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD5/8"-ER11M-030 +RF N11MX*2	S70	62	30	16	-	5/8"	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.10	B	
◎	SSLD5/8"-ER11M-050 +RF N11MX*2	S70	82	50	16	-	5/8"	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD3/4"-ER11M-033 +RF N11MX*2	S70	65	33	16	-	3/4"	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLD3/4"-ER11M-053 +RF N11MX*2	S70	85	53	16	-	3/4"	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLD3/4"-ER11M-085 +RF N11MX*2	S70	117	85	16	-	3/4"	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.25	B	
◎	SSLD3/4"-ER16M-055 +RF N16MX*2	S70	101	55	23	-	3/4"	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD1"-ER16M-045 +RF N16MX*2	S70	91	45	23	-	1"	-	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLD1"-ER16M-062 +RF N16MX*2	S70	108	62	23	-	1"	-	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLD1"-ER16M-080 +RF N16MX*2	S70	126	80	23	-	1"	-	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLD1"-ER20M-062 +RF N20MX*2	S70	108	62	24	-	1"	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSLD1"-ER20M-080 +RF N20MX*2	S70	126	80	24	-	1"	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SSLD1 1/4"-ER20M-055 +RF N20MX*2	S70	103	55	24	-	1 1/4"	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
○	SSLD1 1/4"-ER20M-085 +RF N20MX*2	S70	133	85	24	-	1 1/4"	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.55	B	

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

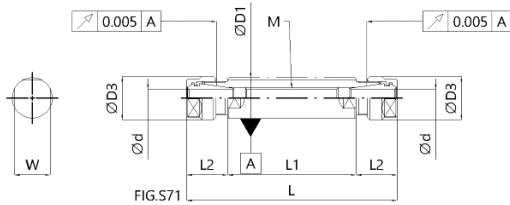
STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // SSLD-ERM+RF NMNX

雙頭短鼻型側固直柄mini細型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NMNX

Double heads short nose type straight shank with flat mini slim ER collet chucks+RF rustproof coating balanced nut NMNX

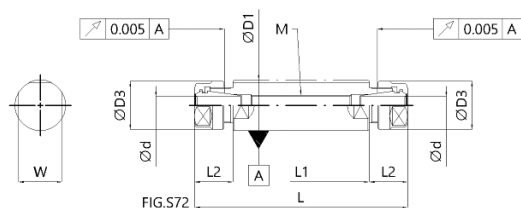


STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD16-ER11M-030 +RF N11MNX*2	S71	62	30	16	-	16	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.10	B	
◎	SSLD16-ER11M-050 +RF N11MNX*2	S71	82	50	16	-	16	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLD16-ER11M-075 +RF N11MNX*2	S71	107	75	16	-	16	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD20-ER11M-033 +RF N11MNX*2	S71	65	33	16	-	20	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLD20-ER11M-053 +RF N11MNX*2	S71	85	53	16	-	20	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLD20-ER11M-085 +RF N11MNX*2	S71	117	85	16	-	20	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.25	B	
◎	SSLD20-ER16M-055 +RF N16MNX*2	S71	101	55	23	-	20	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD22-ER16M-067(#421-22) +RF N16MNX*2	S71	113	67	23	-	22	-	24	19	ER16MN	0.5~10.0	ER16	-	0.25	B	
◎	SSLD22-ER16M-080(#421-27) +RF N16MNX*2	S71	133	80	23	-	22	-	24	19	ER16MN	0.5~10.0	ER16	-	0.30	B	
◎	SSLD22-ER16M-065 +RF N16MNX*2	S71	111	65	23	-	22	-	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLD22-ER16M-085 +RF N16MNX*2	S71	131	85	23	-	22	-	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSLD23-ER16M-040(#3110511) +RF N16MNX*2	S71	92	40	26	-	23	-	24	16	ER16MN	0.5~10.0	ER16	-	0.25	B	
▲	SSLD23-ER16M-060(#3110510) +RF N16MNX*2	S71	112	60	26	-	23	-	24	16	ER16MN	0.5~10.0	ER16	-	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD25-ER16M-062 +RF N16MNX*2	S71	108	62	23	-	25	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLD25-ER16M-080 +RF N16MNX*2	S71	126	80	23	-	25	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLD25-ER20M-062 +RF N20MNX*2	S71	108	62	24	-	25	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSLD25-ER20M-080 +RF N20MNX*2	S71	126	80	24	-	25	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SSLD32-ER20M-055 +RF N20MNX*2	S71	103	55	24	-	32	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
○	SSLD32-ER20M-085 +RF N20MNX*2	S71	133	85	24	-	32	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.55	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD5/8"-ER11M-030 +RF N11MNX*2	S71	62	30	16	-	5/8"	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.10	B	
◎	SSLD5/8"-ER11M-050 +RF N11MNX*2	S71	82	50	16	-	5/8"	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD3/4"-ER11M-033 +RF N11MNX*2	S71	65	33	16	-	3/4"	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLD3/4"-ER11M-053 +RF N11MNX*2	S71	85	53	16	-	3/4"	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLD3/4"-ER11M-085 +RF N11MNX*2	S71	117	85	16	-	3/4"	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.25	B	
◎	SSLD3/4"-ER16M-055 +RF N16MNX*2	S71	101	55	23	-	3/4"	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD1"-ER16M-045 +RF N16MNX*2	S71	91	45	23	-	1"	-	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLD1"-ER16M-062 +RF N16MNX*2	S71	108	62	23	-	1"	-	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLD1"-ER16M-080 +RF N16MNX*2	S71	126	80	23	-	1"	-	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLD1"-ER20M-062 +RF N20MNX*2	S71	108	62	24	-	1"	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSLD1"-ER20M-080 +RF N20MNX*2	S71	126	80	24	-	1"	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SSLD1 1/4"-ER20M-055 +RF N20MNX*2	S71	103	55	24	-	1 1/4"	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
○	SSLD1 1/4"-ER20M-085 +RF N20MNX*2	S71	133	85	24	-	1 1/4"	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.55	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD20-ER11-033 +RF N11SX*2	S72	63	33	15	-	20	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLD20-ER11-053 +RF N11SX*2	S72	83	53	15	-	20	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSLD20-ER11-082(Y1752#0100) +RF N11SX*2	S72	118	82	18	-	20	-	19	17	ER11	0.5~7.0	ER11	-	0.25	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD25-ER11-052 +RF N11SX*2	S72	82	52	15	-	25	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.30	B	
◎	SSLD25-ER11-082 +RF N11SX*2	S72	112	82	15	-	25	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.35	B	
	SSLD25-ER16-062 +RF N16SX*2	S72	106	62	22	-	25	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
	SSLD25-ER16-080 +RF N16SX*2	S72	124	80	22	-	25	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.35	B	
	SSLD25-ER20-062 +RF N20SX*2	S72	110	62	24	-	25	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.35	B	
	SSLD25-ER20-080 +RF N20SX*2	S72	128	80	24	-	25	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLD3/4"-ER11-033 +RF N11SX*2	S72	63	33	15	-	3/4"	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLD3/4"-ER11-053 +RF N11SX*2	S72	83	53	15	-	3/4"	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLD3/4"-ER11-085 +RF N11SX*2	S72	115	85	15	-	3/4"	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.25	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	SSLD1"-ER11-052 +RF N11SX*2	S72	82	52	15	-	1"	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.30	B	
	SSLD1"-ER11-082 +RF N11SX*2	S72	112	82	15	-	1"	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.35	B	
	SSLD1"-ER16-062 +RF N16SX*2	S72	106	62	22	-	1"	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.35	B	
	SSLD1"-ER16-080 +RF N16SX*2	S72	124	80	22	-	1"	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.40	B	
	SSLD1"-ER20-062 +RF N20SX*2	S72	108	62	24	-	1"	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.40	B	
	SSLD1"-ER20-080 +RF N20SX*2	S72	126	80	24	-	1"	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	

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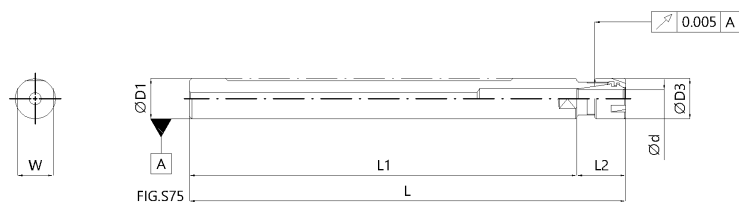
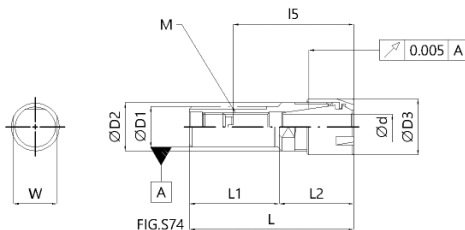
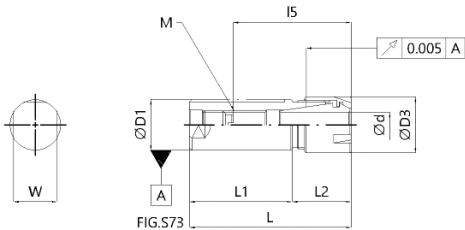
STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // SSL-ERM+RF NMX

短鼻型側固直柄mini細型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NMX

Short nose type straight shank with flat mini slim ER collet chucks+RF rustproof coating balanced nut NMX



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL16-ER11M-035 +RF N11MX	S73	51	35	16	37	16	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.10	B	
▲	SSL16-ER11M-070 +RF N11MX	S73	86	70	16	57	16	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSL16-ER11M-151 +RF N11MX	S75	170	151	19	-	16	-	16	14	ER11M	0.5~7.0	ER11	-	0.30	B	
▲	SSL16-ER16M-035 +RF N16MX	S74	64	35	29	47	16	19	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.15	B	
▲	SSL16-ER16M-070 +RF N16MX	S74	99	70	29	72	16	19	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL16-ER20M-035 +RF N20MX	S74	75	35	40	47	16	24	28	22	ER20M	0.5~13.0	ER20	M11*P1.0	0.20	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL20-ER11M-040 +RF N11MX	S73	56	40	16	37	20	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
▲	SSL20-ER11M-070 +RF N11MX	S73	86	70	16	57	20	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSL20-ER11M-105 +RF N11MX	S73	121	105	16	67	20	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.30	B	
▲	SSL20-ER16M-040 +RF N16MX	S73	63	40	23	47	20	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL20-ER16M-070 +RF N16MX	S73	93	70	23	72	20	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL20-ER16M-105 +RF N16MX	S73	128	105	23	82	20	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSL20-ER16M-137 +RF N16MX	S75	163	137	26	-	20	-	22	17	ER16M	0.5~10.0	ER16	-	0.40	B	
▲	SSL20-ER20M-040 +RF N20MX	S74	70	40	30	47	20	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.25	B	
▲	SSL20-ER20M-070 +RF N20MX	S74	100	70	30	72	20	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.30	B	
▲	SSL20-ER20M-105 +RF N20MX	S74	135	105	30	82	20	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL22-ER16M-040 +RF N16MX	S73	63	40	23	32	22	-	22	19	ER16M	0.5~10.0	ER16	-	0.20	B	
◎	SSL22-ER16M-071(#301-25) +RF N16MX	S73	102	71	31	-	22	-	22	19	ER16M	0.5~10.0	ER16	-	0.25	B	
◎	SSL22-ER16M-098(#301-24) +RF N16MX	S73	129	98	31	-	22	-	22	19	ER16M	0.5~10.0	ER16	-	0.30	B	
▲	SSL22-ER16M-080 +RF N16MX	S73	103	80	23	72	22	-	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL22-ER16M-105 +RF N16MX	S73	128	105	23	82	22	-	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.30	B	
▲	SSL22-ER20M-080 +RF N20MX	S74	110	80	30	72	22	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.30	B	
▲	SSL22-ER20M-105 +RF N20MX	S74	135	105	30	82	22	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.35	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL23-ER16M-075(#3200359) +RF N16MX	S73	100	75	25	-	23	-	22	19	ER16M	0.5~10.0	ER16	-	0.25	B	

產品FIG.S73 & S74的出貨附件為長度調整螺絲BK-ERxx-Mxx*1pc // PRODUCTS IN FIG.S73 & S74 EQUIP WITH BACK UP SCREW BK-ERxx-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

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ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL25-ER11M-070 +RF N11MX	S73	86	70	16	57	25	-	22	22	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSL25-ER16M-050 +RF N16MX	S73	73	50	23	57	25	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL25-ER16M-070 +RF N16MX	S73	93	70	23	72	25	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL25-ER16M-105 +RF N16MX	S73	128	105	23	82	25	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.35	B	
▲	SSL25-ER20M-050 +RF N20MX	S73	74	50	24	57	25	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.20	B	
▲	SSL25-ER20M-070 +RF N20MX	S73	94	70	24	72	25	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.25	B	
▲	SSL25-ER20M-105 +RF N20MX	S73	129	105	24	82	25	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSL25-ER20M-137.5 +RF N20MX	S75	166	138	28	-	25	-	28	22	ER20M	0.5~13.0	ER20	-	0.45	B	
▲	SSL25-ER25M-070 +RF N25MX	S74	103	70	33	72	25	30	35	27	ER25M	0.5~16.0	ER25	M18*P1.5	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL32-ER20M-070 +RF N20MX	S73	94	70	24	72	32	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
▲	SSL32-ER20M-095 +RF N20MX	S73	119	95	24	82	32	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	SSL32-ER25M-080 +RF N25MX	S73	105	80	25	82	32	-	35	27	ER25M	0.5~16.0	ER25	M18*P1.5	0.50	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL5/8"-ER11M-035 +RF N11MX	S73	51	35	16	37	5/8"	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.10	B	
▲	SSL5/8"-ER11M-070 +RF N11MX	S73	86	70	16	57	5/8"	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
▲	SSL5/8"-ER16M-035 +RF N16MX	S74	64	35	29	42	5/8"	19	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.15	B	
▲	SSL5/8"-ER16M-070 +RF N16MX	S74	99	70	29	72	5/8"	19	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL5/8"-ER20M-035 +RF N20MX	S74	75	35	40	42	5/8"	24	28	22	ER20M	0.5~13.0	ER20	M11*P1.0	0.20	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL3/4"-ER11M-040 +RF N11MX	S73	56	40	16	37	3/4"	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
▲	SSL3/4"-ER11M-070 +RF N11MX	S73	86	70	16	57	3/4"	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSL3/4"-ER11M-105 +RF N11MX	S73	121	105	16	67	3/4"	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.30	B	
▲	SSL3/4"-ER16M-040 +RF N16MX	S73	63	40	23	47	3/4"	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL3/4"-ER16M-055 +RF N16MX	S73	78	55	23	62	3/4"	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL3/4"-ER16M-070 +RF N16MX	S73	93	70	23	72	3/4"	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL3/4"-ER16M-105 +RF N16MX	S73	128	105	23	82	3/4"	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.35	B	
▲	SSL3/4"-ER20M-040 +RF N20MX	S74	70	40	30	47	3/4"	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.25	B	
▲	SSL3/4"-ER20M-070 +RF N20MX	S74	100	70	30	72	3/4"	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.30	B	
▲	SSL3/4"-ER20M-105 +RF N20MX	S74	135	105	30	82	3/4"	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL1"-ER11M-070 +RF N11MX	S73	86	70	16	57	1"	-	22	22	ER11M	0.5~7.0	ER11	M8*P1.0	0.25	B	
▲	SSL1"-ER16M-050 +RF N16MX	S73	73	50	23	57	1"	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL1"-ER16M-070 +RF N16MX	S73	93	70	23	72	1"	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.30	B	
▲	SSL1"-ER16M-105 +RF N16MX	S73	128	105	23	82	1"	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.40	B	
▲	SSL1"-ER20M-050 +RF N20MX	S73	74	50	24	57	1"	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.25	B	
▲	SSL1"-ER20M-070 +RF N20MX	S73	94	70	24	72	1"	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.30	B	
▲	SSL1"-ER20M-105 +RF N20MX	S73	129	105	24	82	1"	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	SSL1"-ER25M-070 +RF N25MX	S74	103	70	33	72	1"	30	35	27	ER25M	0.5~16.0	ER25	M18*P1.5	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL1 1/4"-ER20M-070 +RF N20MX	S73	94	70	24	72	1 1/4"	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
▲	SSL1 1/4"-ER20M-095 +RF N20MX	S73	119	95	24	82	1 1/4"	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	SSL1 1/4"-ER25M-080 +RF N25MX	S73	105	80	25	82	1 1/4"	-	35	27	ER25M	0.5~16.0	ER25	M18*P1.5	0.50	B	

產品FIG.S73 & S74的出貨附件為長度調整螺絲BK-ERxx-Mxx*1pc // PRODUCTS IN FIG.S73 & S74 EQUIP WITH BACK UP SCREW BK-ERxx-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

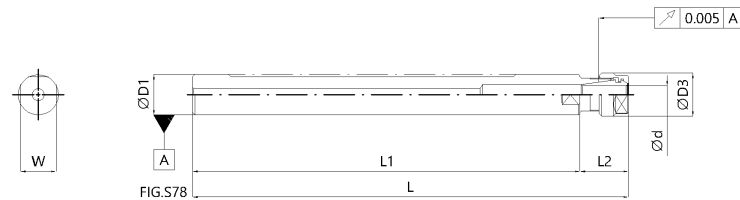
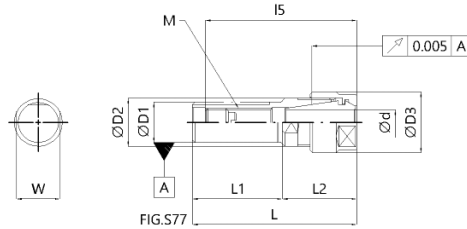
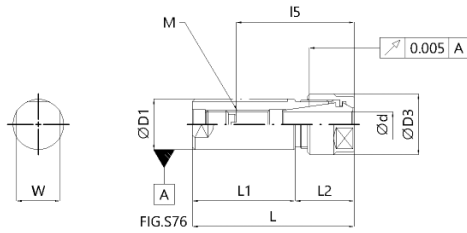
STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // SSL-ERM+RF NMNX

短鼻型側固直柄mini細型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NMNX

Short nose type straight shank with flat mini slim ER collet chucks+RF rustproof coating balanced nut NMNX



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL16-ER11M-035 +RF N11MNX	S76	51	35	16	37	16	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.10	B	
▲	SSL16-ER11M-070 +RF N11MNX	S76	86	70	16	57	16	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSL16-ER11M-151 +RF N11MNX	S78	170	151	19	-	16	-	17	14	ER11MN	0.5~7.0	ER11	-	0.30	B	
▲	SSL16-ER16M-035 +RF N16MNX	S77	64	35	29	47	16	19	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.15	B	
▲	SSL16-ER16M-070 +RF N16MNX	S77	99	70	29	72	16	19	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL16-ER20M-035 +RF N20MNX	S77	75	35	40	47	16	24	30	22	ER20MN	0.5~13.0	ER20	M11*P1.0	0.20	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL20-ER11M-040 +RF N11MNX	S76	56	40	16	37	20	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
▲	SSL20-ER11M-070 +RF N11MNX	S76	86	70	16	57	20	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSL20-ER11M-105 +RF N11MNX	S76	121	105	16	67	20	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.30	B	
▲	SSL20-ER16M-040 +RF N16MNX	S76	63	40	23	47	20	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL20-ER16M-070 +RF N16MNX	S76	93	70	23	72	20	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL20-ER16M-105 +RF N16MNX	S76	128	105	23	82	20	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSL20-ER16M-137 +RF N16MNX	S78	163	137	26	-	20	-	24	17	ER16MN	0.5~10.0	ER16	-	0.40	B	
▲	SSL20-ER20M-040 +RF N20MNX	S77	70	40	30	47	20	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.25	B	
▲	SSL20-ER20M-070 +RF N20MNX	S77	100	70	30	72	20	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.30	B	
▲	SSL20-ER20M-105 +RF N20MNX	S77	135	105	30	82	20	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL22-ER16M-040 +RF N16MNX	S76	63	40	23	32	22	-	24	19	ER16MN	0.5~10.0	ER16	-	0.20	B	
◎	SSL22-ER16M-071(#301-25) +RF N16MNX	S76	102	71	31	-	22	-	24	19	ER16MN	0.5~10.0	ER16	-	0.25	B	
◎	SSL22-ER16M-098(#301-24) +RF N16MNX	S76	129	98	31	-	22	-	24	19	ER16MN	0.5~10.0	ER16	-	0.30	B	
▲	SSL22-ER16M-080 +RF N16MNX	S76	103	80	23	72	22	-	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL22-ER16M-105 +RF N16MNX	S76	128	105	23	82	22	-	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.30	B	
▲	SSL22-ER20M-080 +RF N20MNX	S77	110	80	30	72	22	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.30	B	
▲	SSL22-ER20M-105 +RF N20MNX	S77	135	105	30	82	22	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.35	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL23-ER16M-075(#3200359) +RF N16MNX	S76	100	75	25	-	23	-	24	19	ER16MN	0.5~10.0	ER16	-	0.25	B	

產品FIG.S76 & S77的出貨附件為長度調整螺絲BK-ERxx-Mxx*1pc // PRODUCTS IN FIG.S76 & S77 EQUIP WITH BACK UP SCREW BK-ERxx-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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL25-ER11M-070 +RF N11MNX	S76	86	70	16	57	25	-	24	22	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSL25-ER16M-050 +RF N16MNX	S76	73	50	23	57	25	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL25-ER16M-070 +RF N16MNX	S76	93	70	23	72	25	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL25-ER16M-105 +RF N16MNX	S76	128	105	23	82	25	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.35	B	
▲	SSL25-ER20M-050 +RF N20MNX	S76	74	50	24	57	25	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.20	B	
▲	SSL25-ER20M-070 +RF N20MNX	S76	94	70	24	72	25	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.25	B	
▲	SSL25-ER20M-105 +RF N20MNX	S76	129	105	24	82	25	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSL25-ER20M-137.5 +RF N20MNX	S78	166	138	28	-	25	-	30	22	ER20MN	0.5~13.0	ER20	-	0.45	B	
▲	SSL25-ER25M-070 +RF N25MNX	S77	103	70	33	72	25	30	37	27	ER25MN	0.5~16.0	ER25	M18*P1.5	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL32-ER20M-070 +RF N20MNX	S76	94	70	24	72	32	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
▲	SSL32-ER20M-095 +RF N20MNX	S76	119	95	24	82	32	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	SSL32-ER25M-080 +RF N25MNX	S76	105	80	25	82	32	-	37	27	ER25MN	0.5~16.0	ER25	M18*P1.5	0.50	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL5/8"-ER11M-035 +RF N11MNX	S76	51	35	16	37	5/8"	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.10	B	
▲	SSL5/8"-ER11M-070 +RF N11MNX	S76	86	70	16	57	5/8"	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
▲	SSL5/8"-ER16M-035 +RF N16MNX	S77	64	35	29	42	5/8"	19	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.15	B	
▲	SSL5/8"-ER16M-070 +RF N16MNX	S77	99	70	29	72	5/8"	19	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL5/8"-ER20M-035 +RF N20MNX	S77	75	35	40	42	5/8"	24	30	22	ER20MN	0.5~13.0	ER20	M11*P1.0	0.20	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL3/4"-ER11M-040 +RF N11MNX	S76	56	40	16	37	3/4"	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
▲	SSL3/4"-ER11M-070 +RF N11MNX	S76	86	70	16	57	3/4"	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSL3/4"-ER11M-105 +RF N11MNX	S76	121	105	16	67	3/4"	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.30	B	
▲	SSL3/4"-ER16M-040 +RF N16MNX	S76	63	40	23	47	3/4"	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL3/4"-ER16M-055 +RF N16MNX	S76	78	55	23	62	3/4"	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL3/4"-ER16M-070 +RF N16MNX	S76	93	70	23	72	3/4"	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL3/4"-ER16M-105 +RF N16MNX	S76	128	105	23	82	3/4"	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.35	B	
▲	SSL3/4"-ER20M-040 +RF N20MNX	S77	70	40	30	47	3/4"	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.25	B	
▲	SSL3/4"-ER20M-070 +RF N20MNX	S77	100	70	30	72	3/4"	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.30	B	
▲	SSL3/4"-ER20M-105 +RF N20MNX	S77	135	105	30	82	3/4"	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL1"-ER11M-070 +RF N11MNX	S76	86	70	16	57	1"	-	24	22	ER11MN	0.5~7.0	ER11	M8*P1.0	0.25	B	
▲	SSL1"-ER16M-050 +RF N16MNX	S76	73	50	23	57	1"	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL1"-ER16M-070 +RF N16MNX	S76	93	70	23	72	1"	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.30	B	
▲	SSL1"-ER16M-105 +RF N16MNX	S76	128	105	23	82	1"	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.40	B	
▲	SSL1"-ER20M-050 +RF N20MNX	S76	74	50	24	57	1"	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.25	B	
▲	SSL1"-ER20M-070 +RF N20MNX	S76	94	70	24	72	1"	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.30	B	
▲	SSL1"-ER20M-105 +RF N20MNX	S76	129	105	24	82	1"	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	SSL1"-ER25M-070 +RF N25MNX	S77	103	70	33	72	1"	30	37	27	ER25MN	0.5~16.0	ER25	M18*P1.5	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL1 1/4"-ER20M-070 +RF N20MNX	S76	94	70	24	72	1 1/4"	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
▲	SSL1 1/4"-ER20M-095 +RF N20MNX	S76	119	95	24	82	1 1/4"	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	SSL1 1/4"-ER25M-080 +RF N25MNX	S76	105	80	25	82	1 1/4"	-	37	27	ER25MN	0.5~16.0	ER25	M18*P1.5	0.50	B	

產品FIG.S76 & S77的出貨附件為長度調整螺絲BK-ERxx-Mxx*1pc // PRODUCTS IN FIG.S76 & S77 EQUIP WITH BACK UP SCREW BK-ERxx-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

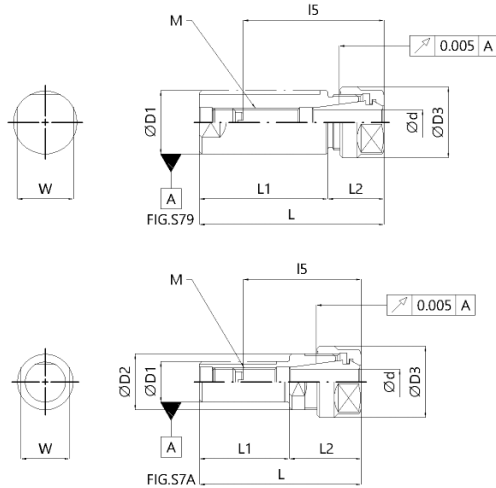
STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // SSL-ER+RF NSX

短鼻型側固直柄ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSX

Short nose type straight shank with flat ER collet chucks+RF rustproof coating balanced nut NSX



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL16-ER11-035 +RF N11SX	S79	50	35	15	36	16	-	19	14	ER11	0.5~7.0	ER11	M8*P1.0	0.15	B	
▲	SSL16-ER11-070 +RF N11SX	S79	85	70	15	56	16	-	19	14	ER11	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSL16-ER16-035 +RF N16SX	S7A	63	35	28	46	16	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.20	B	
▲	SSL16-ER16-070 +RF N16SX	S7A	98	70	28	71	16	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL16-ER20-035T +RF N20SX	S7A	75	35	40	47	16	25	34	22	ER20	0.5~13.0	ER20	M11*P1.0	0.25	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL20-ER11-040 +RF N11SX	S79	55	40	15	41	20	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSL20-ER11-068 +RF N11SX	S79	85	70	18	-	20	-	19	17	ER11	0.5~7.0	ER11	-	0.25	B	
▲	SSL20-ER11-070 +RF N11SX	S79	85	70	15	56	20	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.25	B	
▲	SSL20-ER11-105 +RF N11SX	S79	120	105	15	66	20	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.35	B	
▲	SSL20-ER16-040 +RF N16SX	S7A	68	40	28	46	20	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL20-ER16-070 +RF N16SX	S7A	98	70	28	61	20	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
▲	SSL20-ER16-105 +RF N16SX	S7A	133	105	28	71	20	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.40	B	
▲	SSL20-ER20-040 +RF N20SX	S7A	70	40	30	47	20	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.30	B	
▲	SSL20-ER20-070 +RF N20SX	S7A	100	70	30	62	20	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.35	B	
▲	SSL20-ER20-105 +RF N20SX	S7A	135	105	30	72	20	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	SSL20-ER25-060 +RF N25SX	S7A	93	60	33	52	20	32	42	27	FK06	0.5~16.0	ER25	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL25-ER11-050 +RF N11SX	S79	65	50	15	51	25	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.25	B	
▲	SSL25-ER11-062T +RF N11SX	S79	80	62	18	-	25	-	19	22	ER11	0.5~7.0	ER11	-	0.25	B	
▲	SSL25-ER11-070 +RF N11SX	S79	85	70	15	56	25	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.30	B	
▲	SSL25-ER11-105 +RF N11SX	S79	120	105	15	66	25	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.40	B	
▲	SSL25-ER16-050 +RF N16SX	S79	72	50	22	56	25	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
▲	SSL25-ER16-062T +RF N16SX	S79	85	62	23	-	25	-	28	22	ER16	0.5~10.0	ER16	-	0.30	B	
▲	SSL25-ER16-070 +RF N16SX	S79	92	70	22	61	25	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.35	B	
▲	SSL25-ER16-105 +RF N16SX	S79	127	105	22	71	25	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.45	B	
▲	SSL25-ER20-050 +RF N20SX	S79	74	50	24	57	25	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.35	B	
▲	SSL25-ER20-070 +RF N20SX	S79	94	70	24	72	25	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.40	B	
▲	SSL25-ER20-105 +RF N20SX	S79	129	105	24	82	25	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.50	B	
▲	SSL25-ER25-050 +RF N25SX	S7A	83	50	33	57	25	32	42	27	YMK040	0.5~16.0	ER25	M18*P1.5	0.45	B	
▲	SSL25-ER25-070 +RF N25SX	S7A	103	70	33	72	25	32	42	27	YMK040	0.5~16.0	ER25	M18*P1.5	0.50	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL32-ER20-060 +RF N20SX	S79	84	60	24	67	32	-	34	27	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	SSL32-ER25-060 +RF N25SX	S79	87	60	27	67	32	-	42	27	YMK040	0.5~16.0	ER25	M18*P1.5	0.55	B	
▲	SSL32-ER32-060 +RF N32SX	S79	100	60	40	67	32	40	50	36	YMK050	2.0~20.0	ER32	M24*P1.5	0.65	B	

產品FIG.S79 & S7A的出貨附件為長度調整螺絲BK-ERxx-Mxx*1pc // PRODUCTS IN FIG.S79 & S7A EQUIP WITH BACK UP SCREW BK-ERxx-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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL5/8"-ER11-035 +RF N11SX	S79	50	35	15	36	5/8"	-	19	14	ER11	0.5~7.0	ER11	M8*P1.0	0.15	B	
▲	SSL5/8"-ER11-070 +RF N11SX	S79	85	70	15	56	5/8"	-	19	14	ER11	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSL5/8"-ER16-035T +RF N16SX	S7A	63	35	28	-	5/8"	22	28	19	ER16	0.5~10.0	ER16	-	0.20	B	
▲	SSL5/8"-ER16-070 +RF N16SX	S7A	98	70	28	71	5/8"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL5/8"-ER20-035T +RF N20SX	S7A	75	35	40	47	5/8"	25	34	22	ER20	0.5~13.0	ER20	M11*P1.0	0.25	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL3/4"-ER11-040 +RF N11SX	S79	55	40	15	41	3/4"	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.20	B	
▲	SSL3/4"-ER11-070 +RF N11SX	S79	85	70	15	61	3/4"	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.25	B	
▲	SSL3/4"-ER11-105 +RF N11SX	S79	120	105	15	71	3/4"	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.35	B	
▲	SSL3/4"-ER16-040 +RF N16SX	S7A	62	40	22	46	3/4"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.25	B	
▲	SSL3/4"-ER16-040(#561-130) +RF N16SX	S79	65	40	25	-	3/4"	-	28	17	ER16	0.5~10.0	ER16	-	0.25	B	
▲	SSL3/4"-ER16-055 +RF N16SX	S7A	83	55	28	61	3/4"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
▲	SSL3/4"-ER16-070 +RF N16SX	S7A	98	70	28	61	3/4"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
▲	SSL3/4"-ER16-105 +RF N16SX	S7A	133	105	28	71	3/4"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.40	B	
▲	SSL3/4"-ER16-120 +RF N16SX	S7A	148	120	28	71	3/4"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.40	B	
▲	SSL3/4"-ER20-040 +RF N20SX	S7A	70	40	30	47	3/4"	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.30	B	
▲	SSL3/4"-ER20-070 +RF N20SX	S7A	100	70	30	62	3/4"	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.35	B	
▲	SSL3/4"-ER20-105 +RF N20SX	S7A	135	105	30	72	3/4"	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SSL1"-ER11-050 +RF N11SX	S79	55	50	15	51	1"	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.25	B	
▲	SSL1"-ER11-070 +RF N11SX	S79	85	70	15	56	1"	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.30	B	
▲	SSL1"-ER11-085T +RF N11SX	S79	103	85	18	-	1"	-	19	22	ER11	0.5~7.0	ER11	-	0.35	B	
▲	SSL1"-ER11-105 +RF N11SX	S79	120	105	15	66	1"	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.40	B	
▲	SSL1"-ER16-050 +RF N16SX	S79	72	50	22	56	1"	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
▲	SSL1"-ER16-070 +RF N16SX	S79	92	70	22	61	1"	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.35	B	
▲	SSL1"-ER16-074(#562-166) +RF N16SX	S79	99	74	25	-	1"	-	28	22	ER16	0.5~10.0	ER16	-	0.35	B	
▲	SSL1"-ER16-105 +RF N16SX	S79	127	105	22	71	1"	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.45	B	
▲	SSL1"-ER20-050 +RF N20SX	S79	74	50	24	57	1"	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.35	B	
▲	SSL1"-ER20-070 +RF N20SX	S79	94	70	24	72	1"	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.40	B	
▲	SSL1"-ER20-105 +RF N20SX	S79	129	105	24	82	1"	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.50	B	
▲	SSL1"-ER25-050 +RF N25SX	S7A	83	50	33	57	1"	32	42	27	YMK040	0.5~16.0	ER25	M18*P1.5	0.45	B	
▲	SSL1"-ER25-070 +RF N25SX	S7A	103	70	33	72	1"	32	42	27	YMK040	0.5~16.0	ER25	M18*P1.5	0.50	B	

產品FIG.S79 & S7A的出貨附件為長度調整螺絲BK-ERxx-Mxx*1pc // PRODUCTS IN FIG.S79 & S7A EQUIP WITH BACK UP SCREW BK-ERxx-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

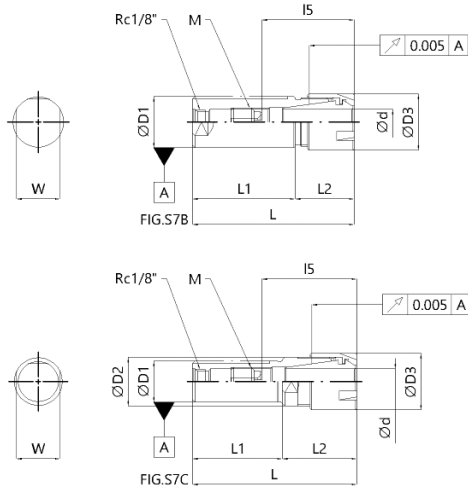
STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // SSLKT-ERM+RF NMX

高壓中心出水短鼻型側固直柄mini細型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NMX

High pressure coolant through short nose type straight shank with flat mini slim ER collet chucks+RF rustproof coating balanced nut NMX



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT16-ER11M-035 +RF N11MX	S7B	51	35	16	27	16	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.10	B	
◎	SSLKT16-ER11M-070 +RF N11MX	S7B	86	70	16	57	16	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLKT16-ER16M-035 +RF N16MX	S7C	64	35	29	37	16	19	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.15	B	
◎	SSLKT16-ER16M-070 +RF N16MX	S7C	99	70	29	72	16	19	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT16-ER20M-035 +RF N20MX	S7C	75	35	40	37	16	24	28	22	ER20M	0.5~13.0	ER20	M11*P1.0	0.20	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT20-ER11M-040 +RF N11MX	S7B	56	40	16	27	20	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLKT20-ER11M-070 +RF N11MX	S7B	86	70	16	57	20	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLKT20-ER11M-105 +RF N11MX	S7B	121	105	16	67	20	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.30	B	
◎	SSLKT20-ER16M-040 +RF N16MX	S7B	63	40	23	37	20	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT20-ER16M-070 +RF N16MX	S7B	93	70	23	72	20	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT20-ER16M-105 +RF N16MX	S7B	128	105	23	82	20	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLKT20-ER20M-040 +RF N20MX	S7C	70	40	30	37	20	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.25	B	
◎	SSLKT20-ER20M-070 +RF N20MX	S7C	100	70	30	72	20	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.30	B	
◎	SSLKT20-ER20M-105 +RF N20MX	S7C	135	105	30	82	20	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT22-ER16M-049/#67216-00 +RF N16MX	S7B	79	49	30	72	68	-	22	19	ER16M	0.5~10.0	ER16	-	0.20	B	
◎	SSLKT22-ER16M-065 +RF N16MX	S7B	88	65	23	72	22	-	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT22-ER16M-080 +RF N16MX	S7B	103	80	23	72	22	-	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT22-ER16M-105 +RF N16MX	S7B	128	105	23	82	22	-	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLKT22-ER20M-080 +RF N20MX	S7C	110	80	30	72	22	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.30	B	
◎	SSLKT22-ER20M-105 +RF N20MX	S7C	135	105	30	82	22	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.35	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT25-ER11M-070 +RF N11MX	S7B	86	70	16	57	25	-	22	22	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLKT25-ER16M-050 +RF N16MX	S7B	73	50	23	47	25	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT25-ER16M-070 +RF N16MX	S7B	93	70	23	72	25	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT25-ER16M-105 +RF N16MX	S7B	128	105	23	82	25	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLKT25-ER20M-050 +RF N20MX	S7B	74	50	24	47	25	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.20	B	
◎	SSLKT25-ER20M-070 +RF N20MX	S7B	94	70	24	72	25	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.25	B	
◎	SSLKT25-ER20M-105 +RF N20MX	S7B	129	105	24	82	25	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSLKT25-ER25M-070 +RF N25MX	S7C	103	70	33	72	25	30	35	27	ER25M	0.5~16.0	ER25	M18*P1.5	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT32-ER20M-070 +RF N20MX	S7B	94	70	24	72	32	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
◎	SSLKT32-ER20M-095 +RF N20MX	S7B	119	95	24	82	32	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.45	B	
◎	SSLKT32-ER25M-080 +RF N25MX	S7B	105	80	25	82	32	-	35	27	ER25M	0.5~16.0	ER25	M18*P1.5	0.50	B	

產品FIG.S7B & S7C的出貨附件為長度調整螺絲BK-ERxxC-Mxx*1pc // PRODUCTS IN FIG.S7B & S7C EQUIP WITH BACK UP SCREW BK-ERxxC-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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT5/8"-ER11M-035 +RF N11MX	S7B	51	35	16	27	5/8"	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.10	B	
◎	SSLKT5/8"-ER11M-070 +RF N11MX	S7B	86	70	16	57	5/8"	-	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLKT5/8"-ER16M-035 +RF N16MX	S7C	64	35	29	37	5/8"	19	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.15	B	
◎	SSLKT5/8"-ER16M-070 +RF N16MX	S7C	99	70	29	72	5/8"	19	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT5/8"-ER20M-035 +RF N20MX	S7C	75	35	40	37	5/8"	24	28	22	ER20M	0.5~13.0	ER20	M11*P1.0	0.20	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT3/4"-ER11M-040 +RF N11MX	S7B	56	40	16	27	3/4"	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLKT3/4"-ER11M-070 +RF N11MX	S7B	86	70	16	57	3/4"	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLKT3/4"-ER11M-105 +RF N11MX	S7B	121	105	16	67	3/4"	-	16	17	ER11M	0.5~7.0	ER11	M8*P1.0	0.30	B	
◎	SSLKT3/4"-ER16M-040 +RF N16MX	S7B	63	40	23	37	3/4"	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT3/4"-ER16M-055 +RF N16MX	S7B	78	55	23	52	3/4"	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT3/4"-ER16M-070 +RF N16MX	S7B	93	70	23	72	3/4"	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT3/4"-ER16M-105 +RF N16MX	S7B	128	105	23	82	3/4"	-	22	17	ER16M	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLKT3/4"-ER20M-040 +RF N20MX	S7C	70	40	30	37	3/4"	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.25	B	
◎	SSLKT3/4"-ER20M-070 +RF N20MX	S7C	100	70	30	72	3/4"	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.30	B	
◎	SSLKT3/4"-ER20M-105 +RF N20MX	S7C	135	105	30	82	3/4"	24	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT1"-ER11M-070 +RF N11MX	S7B	86	70	16	57	1"	-	22	22	ER11M	0.5~7.0	ER11	M8*P1.0	0.25	B	
◎	SSLKT1"-ER16M-050 +RF N16MX	S7B	73	50	23	47	1"	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT1"-ER16M-070 +RF N16MX	S7B	93	70	23	72	1"	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLKT1"-ER16M-105 +RF N16MX	S7B	128	105	23	82	1"	-	22	22	ER16M	0.5~10.0	ER16	M11*P1.0	0.40	B	
◎	SSLKT1"-ER20M-050 +RF N20MX	S7B	74	50	24	47	1"	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.25	B	
◎	SSLKT1"-ER20M-070 +RF N20MX	S7B	94	70	24	72	1"	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.30	B	
◎	SSLKT1"-ER20M-105 +RF N20MX	S7B	129	105	24	82	1"	-	28	22	ER20M	0.5~13.0	ER20	M14*P1.0	0.45	B	
◎	SSLKT1"-ER25M-070 +RF N25MX	S7C	103	70	33	72	1"	30	35	27	ER25M	0.5~16.0	ER25	M18*P1.5	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT1 1/4"-ER20M-070 +RF N20MX	S7B	94	70	24	72	1 1/4"	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
◎	SSLKT1 1/4"-ER20M-095 +RF N20MX	S7B	119	95	24	82	1 1/4"	-	28	27	ER20M	0.5~13.0	ER20	M14*P1.0	0.45	B	
◎	SSLKT1 1/4"-ER25M-080 +RF N25MX	S7B	105	80	25	82	1 1/4"	-	35	27	ER25M	0.5~16.0	ER25	M18*P1.5	0.50	B	

產品FIG.S7B & S7C的出貨附件為長度調整螺絲BK-ERxxC-Mxx*1pc // PRODUCTS IN FIG.S7B & S7C EQUIP WITH BACK UP SCREW BK-ERxxC-Mxx*1pc

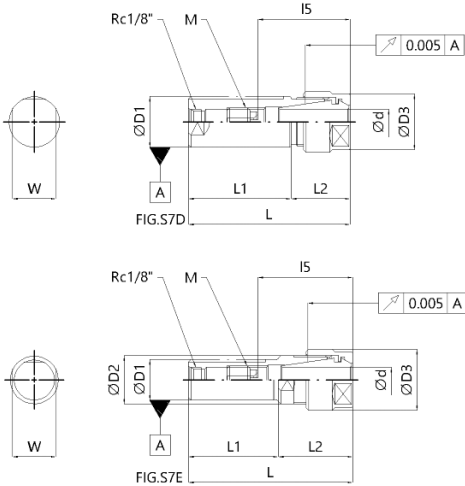
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // SSLKT-ERM+RF NMNX

高壓中心出水短鼻型側固直柄mini細型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NMNX

High pressure coolant through short nose type straight shank with flat mini slim ER collet chucks+RF rustproof coating balanced nut NMNX



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT16-ER11M-035 +RF N11MNX	S7D	51	35	16	27	16	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.10	B	
◎	SSLKT16-ER11M-070 +RF N11MNX	S7D	86	70	16	57	16	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLKT16-ER16M-035 +RF N16MNX	S7E	64	35	29	37	16	19	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.15	B	
◎	SSLKT16-ER16M-070 +RF N16MNX	S7E	99	70	29	72	16	19	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT16-ER20M-035 +RF N20MNX	S7E	75	35	40	37	16	24	30	22	ER20MN	0.5~13.0	ER20	M11*P1.0	0.20	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT20-ER11M-040 +RF N11MNX	S7D	56	40	16	27	20	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLKT20-ER11M-070 +RF N11MNX	S7D	86	70	16	57	20	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLKT20-ER11M-105 +RF N11MNX	S7D	121	105	16	67	20	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.30	B	
◎	SSLKT20-ER16M-040 +RF N16MNX	S7D	63	40	23	37	20	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT20-ER16M-070 +RF N16MNX	S7D	93	70	23	72	20	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT20-ER16M-105 +RF N16MNX	S7D	128	105	23	82	20	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLKT20-ER20M-040 +RF N20MNX	S7E	70	40	30	37	20	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.25	B	
◎	SSLKT20-ER20M-070 +RF N20MNX	S7E	100	70	30	72	20	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.30	B	
◎	SSLKT20-ER20M-105 +RF N20MNX	S7E	135	105	30	82	20	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT22-ER16M-049/#67216-00 +RF N16MNX	S7B	79	49	30	72	68	-	22	19	ER16MN	0.5~10.0	ER16	-	0.20	B	
◎	SSLKT22-ER16M-065 +RF N16MNX	S7B	88	65	23	72	22	-	22	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT22-ER16M-080 +RF N16MNX	S7D	103	80	23	72	22	-	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT22-ER16M-105 +RF N16MNX	S7D	128	105	23	82	22	-	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLKT22-ER20M-080 +RF N20MNX	S7E	110	80	30	72	22	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.30	B	
◎	SSLKT22-ER20M-105 +RF N20MNX	S7E	135	105	30	82	22	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.35	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT25-ER11M-070 +RF N11MNX	S7D	86	70	16	57	25	-	24	22	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLKT25-ER16M-050 +RF N16MNX	S7D	73	50	23	47	25	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT25-ER16M-070 +RF N16MNX	S7D	93	70	23	72	25	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT25-ER16M-105 +RF N16MNX	S7D	128	105	23	82	25	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLKT25-ER20M-050 +RF N20MNX	S7D	74	50	24	47	25	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.20	B	
◎	SSLKT25-ER20M-070 +RF N20MNX	S7D	94	70	24	72	25	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.25	B	
◎	SSLKT25-ER20M-105 +RF N20MNX	S7D	129	105	24	82	25	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSLKT25-ER25M-070 +RF N25MNX	S7E	103	70	33	72	25	30	37	27	ER25MN	0.5~16.0	ER25	M18*P1.5	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT32-ER20M-070 +RF N20MNX	S7D	94	70	24	72	32	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
◎	SSLKT32-ER20M-095 +RF N20MNX	S7D	119	95	24	82	32	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.45	B	
◎	SSLKT32-ER25M-080 +RF N25MNX	S7D	105	80	25	82	32	-	37	27	ER25MN	0.5~16.0	ER25	M18*P1.5	0.50	B	

產品FIG. S7D & S7E的出貨附件為長度調整螺絲BK-ERxxC-Mxx*1pc // PRODUCTS IN FIG. S7D & S7E EQUIP WITH BACK UP SCREW BK-ERxxC-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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT5/8"-ER11M-035 +RF N11MNX	S7D	51	35	16	27	5/8"	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.10	B	
◎	SSLKT5/8"-ER11M-070 +RF N11MNX	S7D	86	70	16	57	5/8"	-	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLKT5/8"-ER16M-035 +RF N16MNX	S7E	64	35	29	37	5/8"	19	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.15	B	
◎	SSLKT5/8"-ER16M-070 +RF N16MNX	S7E	99	70	29	72	5/8"	19	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT5/8"-ER20M-035 +RF N20MNX	S7E	75	35	40	37	5/8"	24	30	22	ER20MN	0.5~13.0	ER20	M11*P1.0	0.20	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT3/4"-ER11M-040 +RF N11MNX	S7D	56	40	16	27	3/4"	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLKT3/4"-ER11M-070 +RF N11MNX	S7D	86	70	16	57	3/4"	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLKT3/4"-ER11M-105 +RF N11MNX	S7D	121	105	16	67	3/4"	-	17	17	ER11MN	0.5~7.0	ER11	M8*P1.0	0.30	B	
◎	SSLKT3/4"-ER16M-040 +RF N16MNX	S7D	63	40	23	37	3/4"	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT3/4"-ER16M-055 +RF N16MNX	S7D	78	55	23	52	3/4"	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT3/4"-ER16M-070 +RF N16MNX	S7D	93	70	23	72	3/4"	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT3/4"-ER16M-105 +RF N16MNX	S7D	128	105	23	82	3/4"	-	24	17	ER16MN	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLKT3/4"-ER20M-040 +RF N20MNX	S7E	70	40	30	37	3/4"	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.25	B	
◎	SSLKT3/4"-ER20M-070 +RF N20MNX	S7E	100	70	30	72	3/4"	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.30	B	
◎	SSLKT3/4"-ER20M-105 +RF N20MNX	S7E	135	105	30	82	3/4"	24	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT1"-ER11M-070 +RF N11MNX	S7D	86	70	16	57	1"	-	24	22	ER11MN	0.5~7.0	ER11	M8*P1.0	0.25	B	
◎	SSLKT1"-ER16M-050 +RF N16MNX	S7D	73	50	23	47	1"	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT1"-ER16M-070 +RF N16MNX	S7D	93	70	23	72	1"	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLKT1"-ER16M-105 +RF N16MNX	S7D	128	105	23	82	1"	-	24	22	ER16MN	0.5~10.0	ER16	M11*P1.0	0.40	B	
◎	SSLKT1"-ER20M-050 +RF N20MNX	S7D	74	50	24	47	1"	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.25	B	
◎	SSLKT1"-ER20M-070 +RF N20MNX	S7D	94	70	24	72	1"	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.30	B	
◎	SSLKT1"-ER20M-105 +RF N20MNX	S7D	129	105	24	82	1"	-	30	22	ER20MN	0.5~13.0	ER20	M14*P1.0	0.45	B	
◎	SSLKT1"-ER25M-070 +RF N25MNX	S7E	103	70	33	72	1"	30	37	27	ER25MN	0.5~16.0	ER25	M18*P1.5	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT1 1/4"-ER20M-070 +RF N20MNX	S7D	94	70	24	72	1 1/4"	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
◎	SSLKT1 1/4"-ER20M-095 +RF N20MNX	S7D	119	95	24	82	1 1/4"	-	30	27	ER20MN	0.5~13.0	ER20	M14*P1.0	0.45	B	
◎	SSLKT1 1/4"-ER25M-080 +RF N25MNX	S7D	105	80	25	82	1 1/4"	-	37	27	ER25MN	0.5~16.0	ER25	M18*P1.5	0.50	B	

產品FIG.S7D & S7E的出貨附件為長度調整螺絲BK-ERxxC-Mxx*1pc // PRODUCTS IN FIG.S7D & S7E EQUIP WITH BACK UP SCREW BK-ERxxC-Mxx*1pc

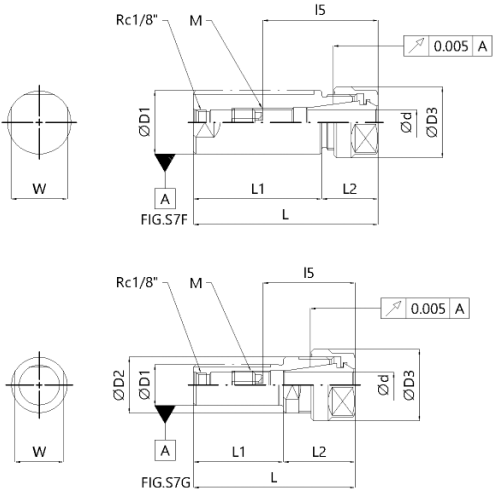
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // SSLKT-ER+RF NSX

高壓中心出水短鼻型側固直柄ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSX

High pressure coolant through short nose type straight shank with flat ER collet chucks+RF rustproof coating balanced nut NSX



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT16-ER11-035 +RF N11SX	S7F	50	35	15	26	16	-	19	14	ER11	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLKT16-ER11-070 +RF N11SX	S7F	85	70	15	56	16	-	19	14	ER11	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLKT16-ER16-035 +RF N16SX	S7G	63	35	28	36	16	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT16-ER16-070 +RF N16SX	S7G	98	70	28	71	16	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.25	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT20-ER11-040 +RF N11SX	S7F	55	40	15	31	20	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLKT20-ER11-070 +RF N11SX	S7F	85	70	15	56	20	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.25	B	
◎	SSLKT20-ER11-105 +RF N11SX	S7F	120	105	15	66	20	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.35	B	
◎	SSLKT20-ER16-040 +RF N16SX	S7G	68	40	28	36	20	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT20-ER16-070 +RF N16SX	S7G	98	70	28	61	20	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLKT20-ER16-105 +RF N16SX	S7G	133	105	28	71	20	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.40	B	
◎	SSLKT20-ER20-040 +RF N20SX	S7G	70	40	30	37	20	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.30	B	
◎	SSLKT20-ER20-070 +RF N20SX	S7G	100	70	30	62	20	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSLKT20-ER20-105 +RF N20SX	S7G	135	105	30	72	20	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT25-ER11-050 +RF N11SX	S7F	65	50	15	41	25	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.25	B	
◎	SSLKT25-ER11-070 +RF N11SX	S7F	85	70	15	56	25	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.30	B	
◎	SSLKT25-ER11-105 +RF N11SX	S7F	120	105	15	66	25	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.40	B	
◎	SSLKT25-ER16-050 +RF N16SX	S7F	72	50	22	46	25	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLKT25-ER16-070 +RF N16SX	S7F	92	70	22	61	25	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLKT25-ER16-105 +RF N16SX	S7F	127	105	22	71	25	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.45	B	
◎	SSLKT25-ER20-050 +RF N20SX	S7F	74	50	24	47	25	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSLKT25-ER20-070 +RF N20SX	S7F	94	70	24	72	25	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.40	B	
◎	SSLKT25-ER20-105 +RF N20SX	S7F	129	105	24	82	25	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.50	B	
◎	SSLKT25-ER25-050 +RF N25SX	S7G	83	50	33	47	25	32	42	27	YMK040	0.5~16.0	ER25	M18*P1.5	0.45	B	
◎	SSLKT25-ER25-070 +RF N25SX	S7G	103	70	33	72	25	32	42	27	YMK040	0.5~16.0	ER25	M18*P1.5	0.50	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT32-ER20-060 +RF N20SX	S7F	84	60	24	57	32	-	34	27	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	
◎	SSLKT32-ER25-060 +RF N25SX	S7F	87	60	27	57	32	-	42	27	YMK040	0.5~16.0	ER25	M18*P1.5	0.55	B	
◎	SSLKT32-ER32-060 +RF N32SX	S7F	100	60	40	57	32	40	50	36	YMK050	2.0~20.0	ER32	M24*P1.5	0.65	B	

產品FIG.S7F & S7G的出貨附件為長度調整螺絲BK-ERxxC-Mxx*1pc // PRODUCTS IN FIG.S7F & S7G EQUIP WITH BACK UP SCREW BK-ERxxC-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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT5/8"-ER11-035 +RF N11SX	S7F	50	35	15	26	5/8"	-	19	14	ER11	0.5~7.0	ER11	M8*P1.0	0.15	B	
◎	SSLKT5/8"-ER11-070 +RF N11SX	S7F	85	70	15	56	5/8"	-	19	14	ER11	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLKT5/8"-ER16-035 +RF N16SX	S7G	63	35	28	36	5/8"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.20	B	
◎	SSLKT5/8"-ER16-070 +RF N16SX	S7G	98	70	28	71	5/8"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.25	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT3/4"-ER11-040 +RF N11SX	S7F	55	40	15	41	3/4"	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	SSLKT3/4"-ER11-070 +RF N11SX	S7F	85	70	15	61	3/4"	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.25	B	
◎	SSLKT3/4"-ER11-105 +RF N11SX	S7F	120	105	15	71	3/4"	-	19	17	ER11	0.5~7.0	ER11	M8*P1.0	0.35	B	
◎	SSLKT3/4"-ER16-040 +RF N16SX	S7G	68	40	28	46	3/4"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.25	B	
◎	SSLKT3/4"-ER16-055 +RF N16SX	S7G	83	55	28	61	3/4"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLKT3/4"-ER16-070 +RF N16SX	S7G	98	70	28	61	3/4"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLKT3/4"-ER16-105 +RF N16SX	S7G	133	105	28	71	3/4"	22	28	19	ER16	0.5~10.0	ER16	M11*P1.0	0.40	B	
◎	SSLKT3/4"-ER20-040 +RF N20SX	S7G	70	40	30	47	3/4"	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.30	B	
◎	SSLKT3/4"-ER20-070 +RF N20SX	S7G	100	70	30	62	3/4"	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSLKT3/4"-ER20-105 +RF N20SX	S7G	135	105	30	72	3/4"	25	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	SSLKT1"-ER11-050 +RF N11SX	S7F	65	50	15	41	1"	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.25	B	
◎	SSLKT1"-ER11-070 +RF N11SX	S7F	85	70	15	56	1"	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.30	B	
◎	SSLKT1"-ER11-105 +RF N11SX	S7F	120	105	15	66	1"	-	19	22	ER11	0.5~7.0	ER11	M8*P1.0	0.40	B	
◎	SSLKT1"-ER16-050 +RF N16SX	S7F	72	50	22	46	1"	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	SSLKT1"-ER16-070 +RF N16SX	S7F	92	70	22	61	1"	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.35	B	
◎	SSLKT1"-ER16-105 +RF N16SX	S7F	127	105	22	71	1"	-	28	22	ER16	0.5~10.0	ER16	M11*P1.0	0.45	B	
◎	SSLKT1"-ER20-050 +RF N20SX	S7F	74	50	24	47	1"	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.35	B	
◎	SSLKT1"-ER20-070 +RF N20SX	S7F	94	70	24	72	1"	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.40	B	
◎	SSLKT1"-ER20-105 +RF N20SX	S7F	129	105	24	82	1"	-	34	22	ER20	0.5~13.0	ER20	M14*P1.0	0.50	B	
◎	SSLKT1"-ER25-050 +RF N25SX	S7G	83	50	33	47	1"	32	42	27	YMK040	0.5~16.0	ER25	M18*P1.5	0.45	B	
◎	SSLKT1"-ER25-070 +RF N25SX	S7G	103	70	33	72	1"	32	42	27	YMK040	0.5~16.0	ER25	M18*P1.5	0.50	B	

產品FIG.S7F & S7G的出貨附件為長度調整螺絲BK-ERxxC-Mxx*1pc // PRODUCTS IN FIG.S7F & S7G EQUIP WITH BACK UP SCREW BK-ERxxC-Mxx*1pc

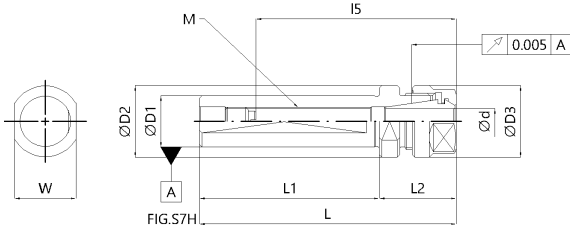
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // SL-ER+RF NSX

側固直柄ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NSX

Straight shank with flat ER collet chucks+RF rustproof coating balanced nut NSX



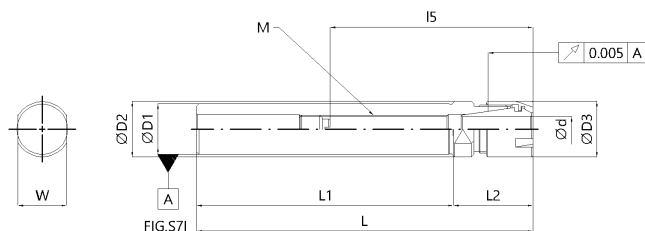
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SL20-ER16-070 +RF N16SX	S7H	100	70	30	80	20	28	28	24	ER16	0.5~10.0	ER16	M11*P1.0	0.35	B	
○	SL20-ER20-070 +RF N20SX	S7H	102	70	32	80	20	32	34	27	ER20	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SL22-ER11-105 +RF N11SX	S7H	127	105	22	80	22	27	19	24	ER11	0.5~7.0	ER11	M8*P1.0	0.40	B	
▲	SL22-ER16-105 +RF N16SX	S7H	135	105	30	90	22	28	28	24	ER16	0.5~10.0	ER16	M11*P1.0	0.45	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SL25-ER16-070 +RF N16SX	S7H	100	70	30	80	25	32	28	25	ER16	0.5~10.0	ER16	M11*P1.0	0.40	B	
▲	SL25-ER16-105 +RF N16SX	S7H	135	105	30	90	25	32	28	25	ER16	0.5~10.0	ER16	M11*P1.0	0.50	B	
○	SL25-ER20-070 +RF N20SX	S7H	102	70	32	80	25	32	34	27	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	
○	SL25-ER25-070 +RF N25SX	S7H	106	70	36	80	25	40	42	36	YMK040	0.5~16.0	ER25	M18*P1.5	0.50	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SL32-ER20-080 +RF N20SX	S7H	112	80	32	90	32	36	34	32	ER20	0.5~13.0	ER20	M14*P1.0	0.70	B	
○	SL32-ER25-080 +RF N25SX	S7H	116	80	36	90	32	40	42	36	YMK040	0.5~16.0	ER25	M18*P1.5	0.80	B	
○	SL32-ER32-080 +RF N32SX	S7H	121	80	41	90	32	50	50	46	YMK050	2.0~20.0	ER32	M24*P1.5	0.90	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
○	SL40-ER32-110 +RF N32SX	S7H	151	110	41	100	40	50	50	46	YMK050	2.0~20.0	ER32	M24*P1.5	1.20	B	
○	SL40-ER40-110 +RF N40SX	S7H	158	110	48	100	40	58	63	50	YMK060	3.0~26.0	ER40	M28*P1.5	1.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SL3/4"-ER16-070 +RF N16SX	S7H	100	70	30	80	3/4"	28	28	24	ER16	0.5~10.0	ER16	M11*P1.0	0.35	B	
▲	SL3/4"-ER20-070 +RF N20SX	S7H	102	70	32	80	3/4"	32	34	27	ER20	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	SL1"-ER16-070 +RF N16SX	S7H	100	70	30	80	1"	32	28	25	ER16	0.5~10.0	ER16	M11*P1.0	0.40	B	
▲	SL1"-ER16-105 +RF N16SX	S7H	135	105	30	100	1"	32	28	25	ER16	0.5~10.0	ER16	M11*P1.0	0.60	B	
▲	SL1"-ER20-070 +RF N20SX	S7H	102	70	32	80	1"	32	34	27	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	SL1"-ER25-070 +RF N25SX	S7H	106	70	36	80	1"	40	42	36	YMK040	0.5~16.0	ER25	M18*P1.5	0.50	B	

產品FIG.S7H的出貨附件為長度調整螺絲BK-ERxx-Mxx*1pc // PRODUCTS IN FIG.S7H EQUIP WITH BACK UP SCREW BK-ERxx-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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S16-ER11M-100 +RF N11MX	S7I	122	100	22	70	16	16	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	S16-ER11M-151 +RF N11MX	S7I	170	151	19	-	16	-	16	14	ER11M	0.5~7.0	ER11	-	0.25	B	
	S16-ER11M-200 +RF N11MX	S7I	222	200	22	70	16	16	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S20-ER16M-100 +RF N16MX	S7I	131	100	31	80	20	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	S20-ER16M-137 +RF N16MX	S7I	163	137	26	-	20	-	22	17	ER16M	0.5~10.0	ER16	-	0.50	B	
	S20-ER16M-200 +RF N16MX	S7I	231	200	31	80	20	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.70	B	
	S20-ER20M-100 +RF N20MX	S7I	132	100	32	80	20	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.35	B	
	S20-ER20M-150 +RF N20MX	S7I	132	150	32	80	20	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.55	B	
	S20-ER20M-200 +RF N20MX	S7I	232	200	32	80	20	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.75	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S25-ER16M-100 +RF N16MX	S7I	131	100	31	80	25	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.35	B	
	S25-ER16M-150 +RF N16MX	S7I	181	150	31	80	25	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.55	B	
	S25-ER16M-200 +RF N16MX	S7I	231	200	31	80	25	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.75	B	
	S25-ER20M-100 +RF N20MX	S7I	132	100	32	80	25	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
◎	S25-ER20M-137.5 +RF N20MX	S7I	166	138	28	-	25	-	28	22	ER20M	0.5~13.0	ER20	-	0.45	B	
	S25-ER20M-200 +RF N20MX	S7I	232	200	32	80	25	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.80	B	
	S25-ER25M-100 +RF N25MX	S7I	136	100	36	85	25	35	35	32	ER25M	0.5~16.0	ER25	M18*P1.5	0.45	B	
	S25-ER25M-150 +RF N25MX	S7I	186	150	36	85	25	35	35	32	ER25M	0.5~16.0	ER25	M18*P1.5	0.65	B	
	S25-ER25M-200 +RF N25MX	S7I	236	200	36	85	25	35	35	32	ER25M	0.5~16.0	ER25	M18*P1.5	0.85	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S5/8"-ER11M-100 +RF N11MX	S7I	122	100	22	70	5/8"	16	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.20	B	
	S5/8"-ER11M-150 +RF N11MX	S7I	172	150	22	70	5/8"	16	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.25	B	
	S5/8"-ER11M-200 +RF N11MX	S7I	222	200	22	70	5/8"	16	16	14	ER11M	0.5~7.0	ER11	M8*P1.0	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S3/4"-ER16M-100 +RF N16MX	S7I	131	100	31	80	3/4"	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.30	B	
	S3/4"-ER16M-150 +RF N16MX	S7I	181	150	31	80	3/4"	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.50	B	
	S3/4"-ER16M-200 +RF N16MX	S7I	231	200	31	80	3/4"	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.70	B	
	S3/4"-ER20M-100 +RF N20MX	S7I	132	100	32	80	3/4"	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.35	B	
	S3/4"-ER20M-150 +RF N20MX	S7I	182	150	32	80	3/4"	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.55	B	
	S3/4"-ER20M-200 +RF N20MX	S7I	232	200	32	80	3/4"	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.75	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S1"-ER16M-100 +RF N16MX	S7I	131	100	31	80	1"	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.35	B	
	S1"-ER16M-150 +RF N16MX	S7I	181	150	31	80	1"	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.55	B	
	S1"-ER16M-200 +RF N16MX	S7I	231	200	31	80	1"	22	22	19	ER16M	0.5~10.0	ER16	M11*P1.0	0.75	B	
	S1"-ER20M-100 +RF N20MX	S7I	132	100	32	80	1"	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.40	B	
	S1"-ER20M-150 +RF N20MX	S7I	182	150	32	80	1"	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.60	B	
	S1"-ER20M-200 +RF N20MX	S7I	232	200	32	80	1"	28	28	25	ER20M	0.5~13.0	ER20	M14*P1.0	0.80	B	
	S1"-ER25M-100 +RF N25MX	S7I	136	100	36	85	1"	35	35	32	ER25M	0.5~16.0	ER25	M18*P1.5	0.45	B	
	S1"-ER25M-150 +RF N25MX	S7I	186	150	36	85	1"	35	35	32	ER25M	0.5~16.0	ER25	M18*P1.5	0.65	B	
	S1"-ER25M-200 +RF N25MX	S7I	236	200	36	85	1"	35	35	32	ER25M	0.5~16.0	ER25	M18*P1.5	0.85	B	

產品FIG.S71的出貨附件為長度調整螺絲BK-ERxx-Mxx*1pc // PRODUCTS IN FIG.S71 EQUIP WITH BACK UP SCREW BK-ERxx-Mxx*1pc

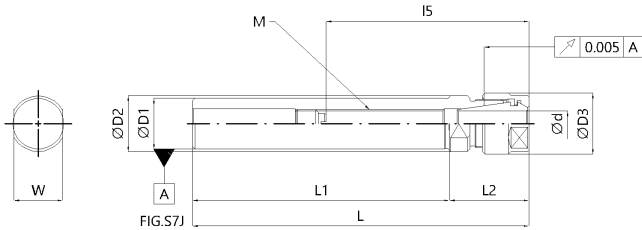
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // S-ERM+RF NMNX

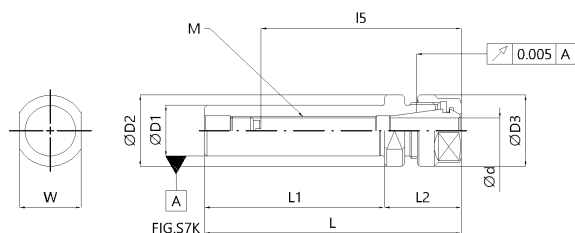
直柄mini細型ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NMNX

Straight shank mini slim ER collet chucks+RF rustproof coating balanced nut NMNX



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S16-ER11M-100 +RF N11MNX	S7J	122	100	22	70	16	16	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
◎	S16-ER11M-151 +RF N11MNX	S7J	170	151	19	-	16	-	17	14	ER11MN	0.5~7.0	ER11	-	0.25	B	
	S16-ER11M-200 +RF N11MNX	S7J	222	200	22	70	16	16	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S20-ER16M-100 +RF N16MNX	S7J	131	100	31	80	20	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.30	B	
◎	S20-ER16M-137 +RF N16MNX	S7J	163	137	26	-	20	-	24	17	ER16MN	0.5~10.0	ER16	-	0.50	B	
	S20-ER16M-200 +RF N16MNX	S7J	231	200	31	80	20	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.70	B	
	S20-ER20M-100 +RF N20MNX	S7J	132	100	32	80	20	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.35	B	
	S20-ER20M-150 +RF N20MNX	S7J	132	150	32	80	20	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.55	B	
	S20-ER20M-200 +RF N20MNX	S7J	232	200	32	80	20	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.75	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S25-ER16M-100 +RF N16MNX	S7J	131	100	31	80	25	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.35	B	
	S25-ER16M-150 +RF N16MNX	S7J	181	150	31	80	25	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.55	B	
	S25-ER16M-200 +RF N16MNX	S7J	231	200	31	80	25	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.75	B	
	S25-ER20M-100 +RF N20MNX	S7J	132	100	32	80	25	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
◎	S25-ER20M-137.5 +RF N20MNX	S7J	166	138	28	-	25	-	30	22	ER20MN	0.5~13.0	ER20	-	0.45	B	
	S25-ER20M-200 +RF N20MNX	S7J	232	200	32	80	25	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.80	B	
	S25-ER25M-100 +RF N25MNX	S7J	136	100	36	85	25	35	37	32	ER25MN	0.5~16.0	ER25	M18*P1.5	0.45	B	
	S25-ER25M-150 +RF N25MNX	S7J	186	150	36	85	25	35	37	32	ER25MN	0.5~16.0	ER25	M18*P1.5	0.65	B	
	S25-ER25M-200 +RF N25MNX	S7J	236	200	36	85	25	35	37	32	ER25MN	0.5~16.0	ER25	M18*P1.5	0.85	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S5/8"-ER11M-100 +RF N11MNX	S7J	122	100	22	70	5/8"	16	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.20	B	
	S5/8"-ER11M-150 +RF N11MNX	S7J	172	150	22	70	5/8"	16	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.25	B	
	S5/8"-ER11M-200 +RF N11MNX	S7J	222	200	22	70	5/8"	16	17	14	ER11MN	0.5~7.0	ER11	M8*P1.0	0.30	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S3/4"-ER16M-100 +RF N16MNX	S7J	131	100	31	80	3/4"	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.30	B	
	S3/4"-ER16M-150 +RF N16MNX	S7J	181	150	31	80	3/4"	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.50	B	
	S3/4"-ER16M-200 +RF N16MNX	S7J	231	200	31	80	3/4"	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.70	B	
	S3/4"-ER20M-100 +RF N20MNX	S7J	132	100	32	80	3/4"	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.35	B	
	S3/4"-ER20M-150 +RF N20MNX	S7J	182	150	32	80	3/4"	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.55	B	
	S3/4"-ER20M-200 +RF N20MNX	S7J	232	200	32	80	3/4"	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.75	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
	S1"-ER16M-100 +RF N16MNX	S7J	131	100	31	80	1"	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.35	B	
	S1"-ER16M-150 +RF N16MNX	S7J	181	150	31	80	1"	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.55	B	
	S1"-ER16M-200 +RF N16MNX	S7J	231	200	31	80	1"	22	24	19	ER16MN	0.5~10.0	ER16	M11*P1.0	0.75	B	
	S1"-ER20M-100 +RF N20MNX	S7J	132	100	32	80	1"	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.40	B	
	S1"-ER20M-150 +RF N20MNX	S7J	182	150	32	80	1"	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.60	B	
	S1"-ER20M-200 +RF N20MNX	S7J	232	200	32	80	1"	28	30	25	ER20MN	0.5~13.0	ER20	M14*P1.0	0.80	B	
	S1"-ER25M-100 +RF N25MNX	S7J	136	100	36	85	1"	35	37	32	ER25MN	0.5~16.0	ER25	M18*P1.5	0.45	B	
	S1"-ER25M-150 +RF N25MNX	S7J	186	150	36	85	1"	35	37	32	ER25MN	0.5~16.0	ER25	M18*P1.5	0.65	B	
	S1"-ER25M-200 +RF N25MNX	S7J	236	200	36	85	1"	35	37	32	ER25MN	0.5~16.0	ER25	M18*P1.5	0.85	B	

產品FIG.S7J的出貨附件為長度調整螺絲BK-ERxx-Mxx*1pc // PRODUCTS IN FIG.S7J EQUIP WITH BACK UP SCREW BK-ERxx-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
ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	S20-ER16-070 +RF N16SX	S7K	100	70	30	80	20	28	28	24	ER16	0.5~10.0	ER16	M11*P1.0	0.35	B	
▲	S20-ER20-070 +RF N20SX	S7K	102	70	32	80	20	32	34	27	ER20	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	S25-ER16-070 +RF N16SX	S7K	100	70	30	80	25	32	28	25	ER16	0.5~10.0	ER16	M11*P1.0	0.40	B	
▲	S25-ER16-150 +RF N16SX	S7K	180	150	30	80	25	32	28	25	ER16	0.5~10.0	ER16	M11*P1.0	0.50	B	
▲	S25-ER20-070 +RF N20SX	S7K	102	70	32	80	25	32	34	27	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	S25-ER25-070 +RF N25SX	S7K	106	70	36	80	25	40	42	36	YMK040	0.5~16.0	ER25	M18*P1.5	0.50	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	S32-ER20-080 +RF N20SX	S7K	112	80	32	90	32	36	34	32	ER20	0.5~13.0	ER20	M14*P1.0	0.70	B	
▲	S32-ER25-080 +RF N25SX	S7K	116	80	36	90	32	40	42	36	YMK040	0.5~16.0	ER25	M18*P1.5	0.80	B	
▲	S32-ER32-080 +RF N32SX	S7K	121	80	41	90	32	50	50	46	YMK050	2.0~20.0	ER32	M24*P1.5	0.90	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	S3/4"-ER16-070 +RF N16SX	S7K	100	70	30	80	3/4"	28	28	24	ER16	0.5~10.0	ER16	M11*P1.0	0.35	B	
▲	S3/4"-ER20-070 +RF N20SX	S7K	102	70	32	80	3/4"	32	34	27	ER20	0.5~13.0	ER20	M14*P1.0	0.40	B	
STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
▲	S1"-ER16-070 +RF N16SX	S7K	100	70	30	80	1"	32	28	25	ER16	0.5~10.0	ER16	M11*P1.0	0.40	B	
▲	S1"-ER20-070 +RF N20SX	S7K	102	70	32	80	1"	32	34	27	ER20	0.5~13.0	ER20	M14*P1.0	0.45	B	
▲	S1"-ER25-070 +RF N25SX	S7K	106	70	36	80	1"	40	42	36	YMK050	0.5~16.0	ER25	M18*P1.5	0.50	B	

產品FIG.S7K的出貨附件為長度調整螺絲BK-ERxx-Mxx*1pc // PRODUCTS IN FIG.S7K EQUIP WITH BACK UP SCREW BK-ERxx-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

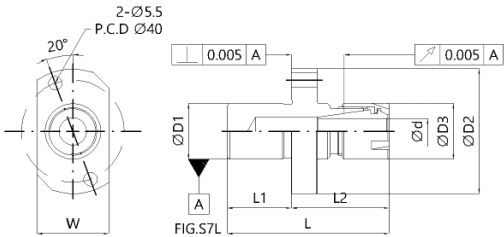
STOCK ▲=售完停產 // STOCK ▲=No more production after sold out

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // S-F-ERM+RF NMX

副主軸用短鼻型直柄mini slim ER筒夾刀柄+RF防鏽鍍層高速平衡螺帽NMX

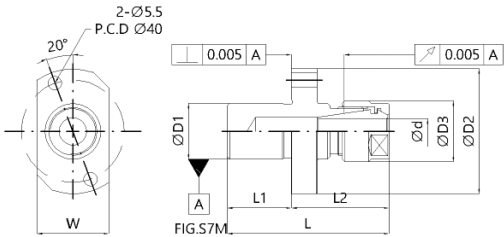
Sub-spindle short nose type straight shank mini slim ER collet chucks+RF rustproof coating balanced nut NMX



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	STAR-S22-F10-ER16M-025(#541-21) +RF N16MX	S7L	63	25	38	-	22	49	22	28	ER16M	0.5~10.0	ER16	-	0.25	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY



STOCK	CODE	FIG.	L	L1	L2	I5	ØD1	ØD2	ØD3	W	TWH	Ød	C	M	W(KG)	GROUP	REMARK
◎	STAR-S22-F10-ER16M-025(#541-21) +RF N16MNX	S7M	63	25	38	-	22	49	24	28	ER16MN	0.5~10.0	ER16	-	0.25	B	

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

ER筒夾是另購品 // ER COLLET TO BE ORDERED SEPARATELY

supERgrip SGER & ER // NUT

supERgrip SGER & ER // NUT

ER nut is in the norm DIN6499/ISO15488
It assembles with form A & form B ER collet in the norm of DIN6499/ISO15488
Nut is one of the main parts for collet chuck
It tightens the collet with tool on the collet chuck
However, it is never easy to produce an accurate one
There are some points to notice:

ER螺帽是DIN6499/ISO15488規範
與DIN6499/ISO15488規範的A型&B型ER筒夾組合使用
螺帽是筒夾刀桿的主要部件之一
用於將夾持刀具的筒夾鎖固於筒夾刀桿上
但是要生產精準的螺帽並不是很簡單
需要注意的有:

1. Material

It will easily crack if produce the nut with carburizing material
YAMAKEN produce ERM nut & ER nut with through hardening steel
YAMAKEN produce SGER nut with bearing steel
It will not crack easily with such material

1. 材質的選用

使用滲碳用鋼材生產的螺帽容易脆裂
山謙使用調質鋼生產ERM螺帽&ER螺帽
山謙使用軸承鋼生產SGER螺帽
這類的鋼材生產出來的螺帽不易脆裂

2. Roundness of nut

Nut with poor roundness will reduce the accuracy when assemble with the chuck
YAMAKEN produce the nut with roundness 0.002mm

2. 螺帽的真圓度

真圓度不佳的螺帽組合刀桿會降低組合精度
山謙生產的螺帽真圓度是0.002mm

3. Concentricity

Nut with poor concentricity will reduce the accuracy when assemble with the chuck
YAMAKEN produce the nut with concentricity 0.002mm

3. 螺帽的同心率

同心度不佳的螺帽組合刀桿會降低組合精度
山謙生產的螺帽同心度是0.002mm

4. Tolerance of internal thread

Accuracy of nut at thread part in the norm DIN6499/ISO15488 is ISO6H
YAMAKEN produce it ISO5H

4. 螺帽內牙的公差

螺帽牙部精度要求在DIN6499/ISO15488規範是ISO6H
山謙生產的標準是ISO5H

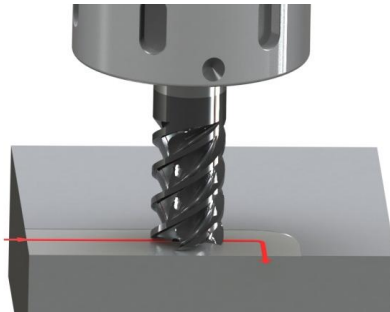
5. Assembly accuracy of nut with chuck and collet

SGER nut + SUS SGER collet assembly runout 0.003mm @3°d
SGER nut + SUS SGERKKZ collet assembly runout 0.003mm @3°d
SGER nut + SUS ER collet assembly runout 0.005mm @3°d
SGER nut + AA grade ER collet assembly runout 0.005mm @3°d
SGER nut + ER collet assembly runout 0.010mm @3°d
ERM nut & ER nut + SUS ER collet assembly runout 0.005mm @3°d
ERM nut & ER nut + AA grade ER collet assembly runout 0.005mm @3°d
ERM nut & ER nut + ER collet assembly runout 0.010mm @3°d

5. 螺帽組合刀桿與筒夾的組合精度

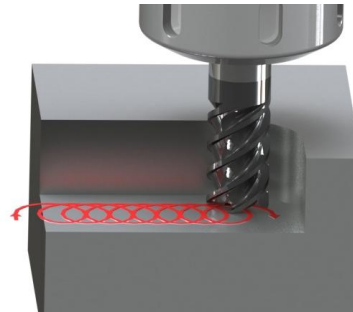
SGER螺帽+SUS SGER筒夾組合精度0.003mm @3°d
SGER螺帽+SUS SGERKKZ筒夾組合精度0.003mm @3°d
SGER螺帽+SUS ER筒夾組合精度0.005mm @3°d
SGER螺帽+AA級ER筒夾組合精度0.005mm @3°d
SGER螺帽+ER筒夾組合精度0.010mm @3°d
ERM螺帽&ER螺帽+SUS ER筒夾組合精度0.005mm @3°d
ERM螺帽&ER螺帽+AA級ER筒夾組合精度0.005mm @3°d
ERM螺帽&ER螺帽+ER筒夾組合精度0.010mm @3°d

NSGXR & NSGX



鋼珠螺帽適用範圍:仕上精修 Finishing

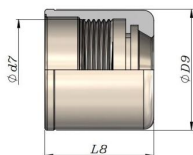
NSGSXR & NSGSX



固定螺帽適用範圍:擺線粗銑 HPM roughing

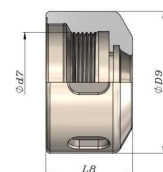
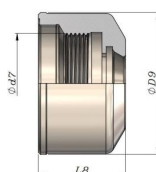
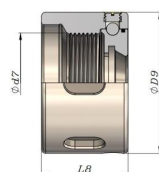
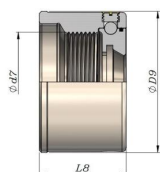
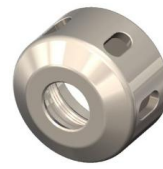
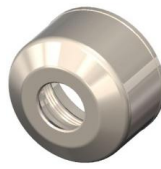


NSGMXR



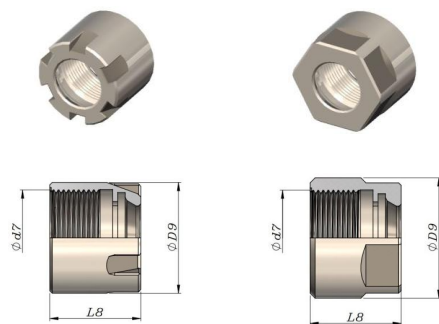
SGER mini NUT	SGER11M RF N11SGMXR	SGER16M RF N16SGMXR	SGER20M RF N20SGMXR	SGER25M RF N25SGMXR	SGER32M RF N32SGMXR	SGER mini螺帽鎖緊力表 SGER mini nut clamping torque chart		
Ød7 ISO5H	M14*P0.75	M20*P1.0	M24*P1.0	M30*P1.0	M38*P1.0	SGER mini螺帽 SGER mini NUT	ER筒夾 ER COLLET	最大鎖緊力 MAX. TORQUE
ØD9	16	24	28	36	44	N11SGMXR	ER11(1.0~2.5) ER11(3.0~7.0)	12Nm 20Nm
Ød10 +0.1/0	12.2	17.7	21.7	27.0	34.0	N16SGMXR	ER16(1.0~4.5) ER16(5.0~10.0)	18Nm 30Nm
L8	19.1	21.6	23.5	25.0	27.0	N20SGMXR	ER20(1.0~6.5) ER20(7.0~13.0)	24Nm 40Nm
I9	3.1	4.6	5.6	5.7	6.1	N25SGMXR	ER25(1.0~6.5) ER25(7.0~16.0)	30Nm 50Nm
I10 +/-0.05	1.0	1.0	1.0	1.4	1.8	N32SGMXR	ER32(2.0~6.5) ER32(7.0~20.0)	36Nm 60Nm

NSGX, NSGX, NSGSXR & NSGSX



SGER NUT	SGER16 RF N16SGXR nano	SGER20 RF N20SGXR nano	SGER25 RF N25SGXR nano	SGER32 RF N32SGXR nano	SGER40 RF N40SGXR nano	SGER螺帽鎖緊力表 SGER nut clamping torque chart		
NUT	RF N16SGX nano	RF N20SGX nano	RF N25SGX nano	RF N32SGX nano	RF N40SGX nano	SGER螺帽 SGER NUT	ER筒夾 ER COLLET	最大鎖緊力 MAX. TORQUE
NUT	RF N16SGSXR	RF N20SGSXR	RF N25SGSXR	RF N32SGSXR	RF N40SGSXR	N16SGXR/X/SXR/SX	ER16(1.0~4.5) ER16(5.0~10.0)	33Nm 55Nm
NUT	RF N16SGSX	RF N20SGSX	RF N25SGSX	RF N32SGSX	RF N40SGSX	N20SGXR/X/SXR/SX	ER20(1.0~6.5) ER20(7.0~13.0)	48Nm 80Nm
Ød7 ISO5H	M24*P1.0	M28*P1.0	M34*P1.0	M42*P1.0	M52*P1.0	N25SGXR/X/SXR/SX	ER25(1.0~6.5) ER25(7.0~16.0)	60Nm 100Nm
ØD9	34	38	44	52	62	N32SGXR/X/SXR/SX	ER32(2.0~6.5) ER32(7.0~20.0)	80Nm 135Nm
Ød10 +0.1/0	17.7	21.7	27.0	34.0	42.0	N40SGXR/X/SXR/SX	ER40(3.0~7.5) ER40(8.0~26.0)	100Nm 170Nm
L8	20.6	22.5	24.0	26.0	29.0			
I9	4.6	5.6	5.7	6.1	7.6			
I10 0/-0.2	1.0	1.0	1.4	1.8	2.0			

NMX & NMNX



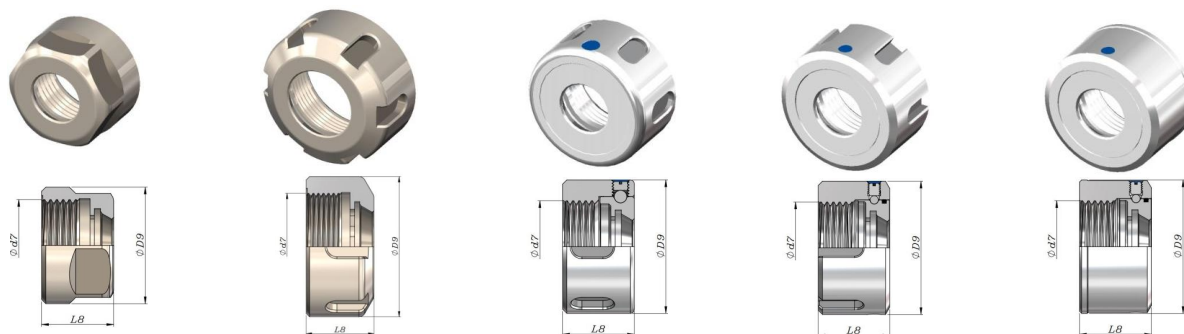
ER	ER08M	ER11M	ER16M	ER20M	ER25M
NUT	RF N08MX	RF N11MX	RF N16MX	RF N20MX	RF N25MX
NUT	N08MX	N11MX	N16MX	N20MX	N25MX
Ød7 ISO5H	M10*P0.75	M13*P0.75	M19*P1.0	M24*P1.0	M30*P1.0
ØD9	12	16	22	28	35
Ød10 +0.1/0	9.0	12.2	17.7	21.7	27.0
L8	10.8	12	18	19	20
I9	3.25	3.6	4.6	5.6	5.7
NUT	RF N08MNX	RF N11MNX	RF N16MNX	RF N20MNX	RF N25MNX
NUT	N08MNX	N11MNX	N16MNX	N20MNX	N25MNX
ØD9	13	17	24	30	37
W 0/-0.2	12	15	22	27	34
L8	10.8	11.5	18	19	20
I9	3.25	3.6	4.6	5.6	5.7

NMX & NMNX are with the same torque

NSX, NH, NX & NXR

ER螺帽鎖緊力表		
ER nut clamping torque chart		
ER mini螺帽	ER筒夾	最大鎖緊力
ER mini NUT	ER COLLET	MAX. TORQUE
N08MX	ER08(1.0~2.5)	6Nm
	ER08(3.0~5.0)	8Nm
N11MX	ER11(1.0~2.5)	10Nm
	ER11(3.0~7.0)	12Nm
N16MX	ER16(1.0~4.5)	15Nm
	ER16(5.0~10.0)	17Nm
N20MX	ER20(1.0~6.5)	21Nm
	ER20(7.0~13.0)	23Nm
N25MX	ER25(1.0~6.5)	24Nm
	ER25(7.0~16.0)	40Nm

NMX與NMNX使用相同扭力值



ER	ER11	ER16	ER20	ER25	ER32	ER40	ER螺帽鎖緊力表		
NUT	RF N11SX	RF N16SX	RF N20SX	RF N25SX	RF N32SX	RF N40SX	ER nut clamping torque chart		
NUT	N11SX	N16SX	N20SX	N25SX	N32SX	N40SX	ER mini螺帽	ER筒夾	最大鎖緊力
Ød7 ISO5H	M14*P0.75	M22*P1.5	M25*P1.5	M32*P1.5	M40*P1.5	M50*P1.5	ER mini NUT	ER COLLET	MAX. TORQUE
ØD9	19	28	34	42	50	63	N11SX	ER11(1.0~2.5)	15Nm
Ød10 +0.1/0	12.3	17.7	21.7	27.0	34.0	42.0		ER11(3.0~7.0)	25Nm
L8	11.5	17.0	19.0	20.0	23.0	26.0	N16SX	ER16(1.0~4.5)	33Nm
I9	3.1	4.6	5.6	5.7	6.3	7.5		ER16(5.0~10.0)	55Nm
I10 0/-0.2	1.0	1.1	1.2	1.3	1.6	2.1	N20SX	ER20(1.0~6.5)	48Nm
W 0/-0.2	17	25	30	-	-	-		ER20(7.0~13.0)	80Nm
NUT	-	N16H	N20H	N25H	N32H	N40H	N25SX	ER25(1.0~6.5)	60Nm
ØD9	-	32	36	43	51	63		ER25(7.0~16.0)	100Nm
NUT	-	N16X	N20X	N25X	N32X	N40X	N32SX	ER32(2.0~6.5)	80Nm
ØD9	-	32	35	42	50	62		ER32(7.0~20.0)	135Nm
NUT	-	N16XR	N20XR	N25XR	N32XR	N40XR	N40SX	ER40(3.0~7.5)	100Nm
ØD9	-	32	35	42	50	62		ER40(8.0~26.0)	170Nm

NSX(R), NH & NX(R) are with the same torque

NSX(R), NH與NX(R)使用相同扭力值

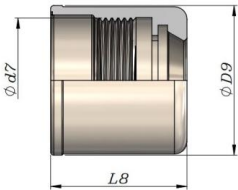
RF NSGMXR // RF防鏽鍍層全圓式高速平衡螺帽NSGMXR // RF rustproof coating round type balanced nut NSGMXR

STOCK	CODE	Ød7 ISO5+	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	RF N11SGMXR	M14*P0.75	16	19.1	RY0160	20Nm	0.05	C	
◎	RF N16SGMXR	M20*P1.0	24	21.6	RY0240	30Nm	0.05	C	
◎	RF N20SGMXR	M24*P1.0	28	23.5	RY0280	40Nm	0.05	C	
◎	RF N25SGMXR	M30*P1.0	36	25.0	RY0360	50Nm	0.10	C	
◎	RF N32SGMXR	M38*P1.0	44	27.0	RY0440	60Nm	0.10	C	

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W-CRT-NSGMXR // 全圓式高速平衡螺帽NSGMXR筒夾拆卸工具 // Collet removing tool for round type balanced nut NSGMXR

STOCK	CODE	W(KG)	GROUP	REMARK
◎	W-CRT-N11SGMXR ER11 EXTRACTOR	0.01	C	
◎	W-CRT-N16SGMXR ER16 EXTRACTOR	0.01	C	
◎	W-CRT-N20SGMXR ER20 EXTRACTOR	0.01	C	
◎	W-CRT-N25SGMXR ER25 EXTRACTOR	0.02	C	
◎	W-CRT-N32SGMXR ER32 EXTRACTOR	0.02	C	

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W-CRT拆出筒夾步驟一
REMOVE COLLET STEP 1



W-CRT拆出筒夾步驟二
REMOVE COLLET STEP 2



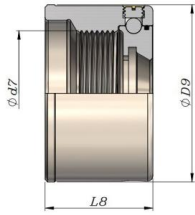
W-CRT拆出筒夾步驟三
REMOVE COLLET STEP 3



W-CRT拆出筒夾步驟四
REMOVE COLLET STEP 4



RF NSGXR nano // RF防鏽鍍層全圓式高速平衡奈米鋼珠螺帽NSGXR // RF rustproof coating round type balanced nano ball bearing nut NSGXR



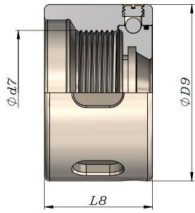
STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	RF N16SGXR nano	M24*P1.0	34	20.6	RY0340	55Nm	0.10	B	
◎	RF N20SGXR nano	M28*P1.0	38	22.5	RY0380	80Nm	0.10	B	
◎	RF N25SGXR nano	M34*P1.0	44	24.0	RY0440	100Nm	0.20	B	
◎	RF N32SGXR nano	M42*P1.0	52	26.0	RY0520	135Nm	0.20	B	
◎	RF N40SGXR nano	M52*P1.0	62	29.0	RY0620	170Nm	0.40	B	

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RF NSGX nano // RF防鏽鍍層高速平衡奈米鋼珠螺帽NSGX // RF rustproof coating balanced nano ball bearing nut NSGX



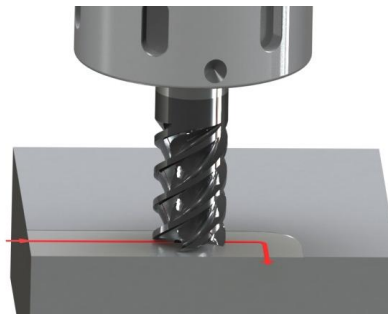
STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	RF N16SGX nano	M24*P1.0	34	20.6	YMK035	55Nm	0.10	B	
◎	RF N20SGX nano	M28*P1.0	38	22.5	YMK040	80Nm	0.10	B	
◎	RF N25SGX nano	M34*P1.0	44	24.0	YMK045	100Nm	0.20	B	
◎	RF N32SGX nano	M42*P1.0	52	26.0	YMK050	135Nm	0.20	B	
◎	RF N40SGX nano	M52*P1.0	62	29.0	YMK060	170Nm	0.40	B	

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NSGXR & NSGX



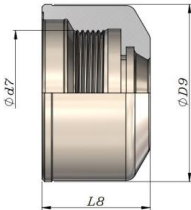
鋼珠螺帽適用範圍:仕上精修 Finishing



RF NSGSXR // RF防鏽鍍層全圓式高速平衡螺帽NSGSXR // RF rustproof coating round type balanced nut NSGSXR

STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	RF N16SGSXR	M24*P1.0	34	20.6	RY0340	55Nm	0.10	C	
◎	RF N20SGSXR	M28*P1.0	38	22.5	RY0380	80Nm	0.10	C	
◎	RF N25SGSXR	M34*P1.0	44	24.0	RY0440	100Nm	0.20	C	
◎	RF N32SGSXR	M42*P1.0	52	26.0	RY0520	135Nm	0.20	C	
◎	RF N40SGSXR	M52*P1.0	62	29.0	RY0620	170Nm	0.40	C	

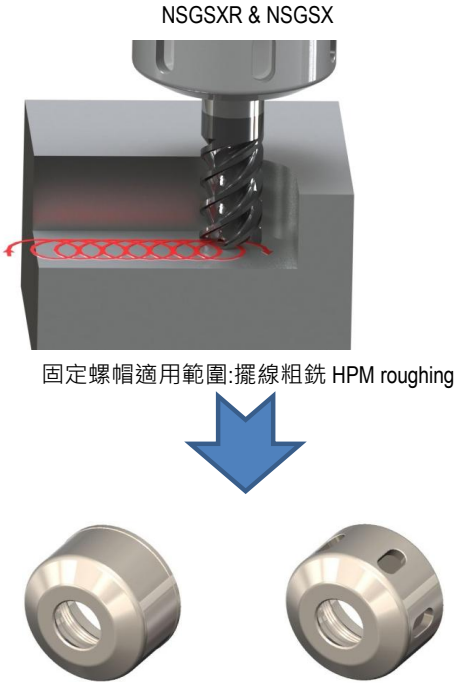
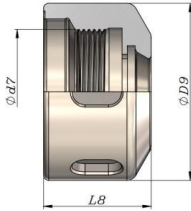
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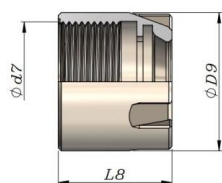
RF NSGSX // RF防鏽鍍層高速平衡螺帽NSGSXR // RF rustproof coating balanced nut NSGSX

STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	RF N16SGSX	M24*P1.0	34	20.6	YMK035	55Nm	0.10	C	
◎	RF N20SGSX	M28*P1.0	38	22.5	YMK040	80Nm	0.10	C	
◎	RF N25SGSX	M34*P1.0	44	24.0	YMK045	100Nm	0.20	C	
◎	RF N32SGSX	M42*P1.0	52	26.0	YMK050	135Nm	0.20	C	
◎	RF N40SGSX	M52*P1.0	62	29.0	YMK060	170Nm	0.40	C	

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RF NMX // RF防鏽鍍層Mini slim ER高速平衡螺帽NMX // RF rustproof coating Mini slim ER balanced nut NMX



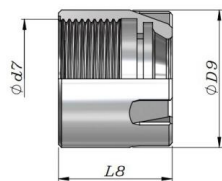
STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	RF N08MX	M10*P0.75	12	10.8	ER08M	5Nm	0.004	C	
◎	RF N11MX	M13*P0.75	16	12.0	ER11M	12Nm	0.008	C	
◎	RF N16MX	M19*P1.0	22	18.0	ER16M	17Nm	0.016	C	
◎	RF N20MX	M24*P1.0	28	19.0	ER20M	23Nm	0.030	C	
◎	RF N25MX	M30*P1.0	35	20.0	ER25M	40Nm	0.050	C	

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NMX // Mini slim ER高速平衡螺帽NMX // Mini slim ER balanced nut NMX



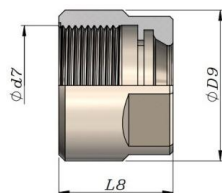
STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	N08MX	M10*P0.75	12	10.8	ER08M	5Nm	0.004	C	
◎	N11MX	M13*P0.75	16	12.0	ER11M	12Nm	0.008	C	
◎	N16MX	M19*P1.0	22	18.0	ER16M	17Nm	0.016	C	
◎	N20MX	M24*P1.0	28	19.0	ER20M	23Nm	0.030	C	
◎	N25MX	M30*P1.0	35	20.0	ER25M	40Nm	0.050	C	

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RF NMNX // RF防鏽鍍層Mini slim ER高速平衡螺帽NMNX // RF rustproof coating Mini slim ER balanced nut NMNX



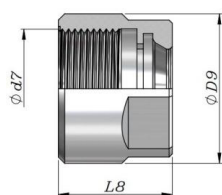
STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	RF N08MNX	M10*P0.75	13	10.8	ER08MN	5Nm	0.004	C	
◎	RF N11MNX	M13*P0.75	17	11.5	ER11MN	12Nm	0.008	C	
◎	RF N16MNX	M19*P1.0	24	18.0	ER16MN	17Nm	0.016	C	
◎	RF N20MNX	M24*P1.0	30	19.0	ER20MN	23Nm	0.030	C	
◎	RF N25MNX	M30*P1.0	37	20.0	ER25MN	40Nm	0.050	C	

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NMNX // Mini slim ER高速平衡螺帽NMX // Mini slim ER balanced nut NMNX



STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	N08MNX	M10*P0.75	13	10.8	ER08MN	5Nm	0.004	C	
◎	N11MNX	M13*P0.75	17	11.5	ER11MN	12Nm	0.008	C	
◎	N16MNX	M19*P1.0	24	18.0	ER16MN	17Nm	0.016	C	
◎	N20MNX	M24*P1.0	30	19.0	ER20MN	23Nm	0.030	C	
◎	N25MNX	M30*P1.0	37	20.0	ER25MN	40Nm	0.050	C	

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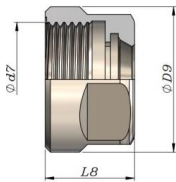
RF NSX // RF防鏽鍍層ER高速平衡螺帽NSX // RF rustproof coating ER balanced nut NSX

STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	RF N11SX	M14*P0.75	19	11.5	ER11	25Nm	0.012	C	
◎	RF N16SX	M22*P1.5	28	17.0	ER16	55Nm	0.035	C	
◎	RF N20SX	M25*P1.5	34	19.0	ER20	80Nm	0.060	C	

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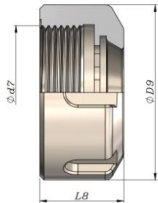
RF NSX // RF防鏽鍍層ER高速平衡螺帽NSX // RF rustproof coating ER balanced nut NSX

STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	RF N25SX	M32*P1.5	42	20.0	YMK040	100Nm	0.09	C	
◎	RF N32SX	M40*P1.5	50	23.0	YMK050	135Nm	0.15	C	
◎	RF N40SX	M50*P1.5	63	26.0	YMK060	170Nm	0.26	C	

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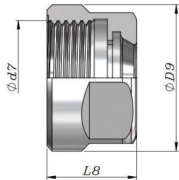
NSX // ER高速平衡螺帽NSX // ER balanced nut NSX

STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	N11SX	M14*P0.75	19	11.5	ER11	25Nm	0.012	C	
◎	N16SX	M22*P1.5	28	17.0	ER16	55Nm	0.035	C	
◎	N20SX	M25*P1.5	34	19.0	ER20	80Nm	0.060	C	

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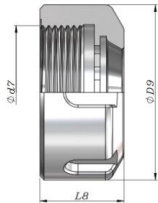
NSX // ER高速平衡螺帽NSX // ER balanced nut NSX

STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	N25SX	M32*P1.5	42	20.0	YMK040	100Nm	0.09	C	
◎	N32SX	M40*P1.5	50	23.0	YMK050	135Nm	0.15	C	
◎	N40SX	M50*P1.5	63	26.0	YMK060	170Nm	0.26	C	

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NH // ER高速平衡鋼珠螺帽NH // ER balanced ball bearing nut NH

STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
▲	N16H	M22*P1.5	32	17.0	YMK030	55Nm	0.10	B	
▲	N20H	M25*P1.5	36	19.0	YMK035	80Nm	0.15	B	
▲	N25H	M32*P1.5	43	20.0	YMK045	100Nm	0.20	B	
▲	N32H	M40*P1.5	51	23.0	YMK050	135Nm	0.25	B	
▲	N40H	M50*P1.5	63	26.0	YMK060	170Nm	0.40	B	

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NX // ER高速平衡鋼珠螺帽NX // ER balanced ball bearing nut NX

STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	N16X	M22*P1.5	32	17.0	YMK030	55Nm	0.10	B	
◎	N20X	M25*P1.5	35	19.0	YMK035	80Nm	0.15	B	
◎	N25X	M32*P1.5	42	20.0	YMK040	100Nm	0.20	B	
◎	N32X	M40*P1.5	50	23.0	YMK050	135Nm	0.25	B	
◎	N40X	M50*P1.5	62	25.0	YMK060	170Nm	0.40	B	

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NXR // 全圓式ER高速平衡鋼珠螺帽NX // Round type ER balanced ball bearing nut NXR

STOCK	CODE	Ød7 ISO5H	ØD9	L8	TWH	max. Nm	W(KG)	GROUP	REMARK
◎	N16XR	M22*P1.5	32	17.0	RY0320	55Nm	0.10	B	
◎	N20XR	M25*P1.5	35	19.0	RY0350	80Nm	0.15	B	
◎	N25XR	M32*P1.5	42	20.0	RY0420	100Nm	0.20	B	
◎	N32XR	M40*P1.5	50	23.0	RY0500	135Nm	0.25	B	
◎	N40XR	M50*P1.5	62	25.0	RY0620	170Nm	0.40	B	

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PTF // 高壓油管與配件 // High presure coolant tube and parts

STOCK	CODE	W(KG)	GROUP	REMARK
◎	PTF100-R00-R00+G1/8+G1/8	0.05	B	
◎	PTF100-R00-R00+G1/8+R1/8	0.05	B	
◎	PTF100-R00-R00+R1/8+R1/8	0.05	B	
◎	PTF200-R00-R00+G1/8+G1/8	0.05	B	
◎	PTF200-R00-R00+G1/8+R1/8	0.05	B	
◎	PTF200-R00-R00+R1/8+R1/8	0.05	B	
◎	PTF300-R00-R00+G1/8+G1/8	0.05	B	
◎	PTF300-R00-R00+G1/8+R1/8	0.05	B	
◎	PTF300-R00-R00+R1/8+R1/8	0.05	B	
STOCK	CODE	W(KG)	GROUP	REMARK
◎	PTF100-R00-S90+G1/8+G1/8	0.05	B	
◎	PTF100-R00-S90+G1/8+R1/8	0.05	B	
◎	PTF100-R00-S90+R1/8+R1/8	0.05	B	
◎	PTF200-R00-S90+G1/8+G1/8	0.05	B	
◎	PTF200-R00-S90+G1/8+R1/8	0.05	B	
◎	PTF200-R00-S90+R1/8+R1/8	0.05	B	
◎	PTF300-R00-S90+G1/8+G1/8	0.05	B	
◎	PTF300-R00-S90+G1/8+R1/8	0.05	B	
◎	PTF300-R00-S90+R1/8+R1/8	0.05	B	
STOCK	CODE	W(KG)	GROUP	REMARK
◎	PTF SCREW G1/8(PF1/8)	0.01	B	
◎	PTF SCREW R1/8(PT1/8)	0.01	B	
◎	PTF WASHER*10	0.01	B	

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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防鏽鍍層快換式全圓滾針扭力扳手頭 // RF rustproof coating round type needle roller wrench attachment

STOCK	CODE	W(KG)	GROUP	REMARK
◎	RF W-TWH12RY0160 FOR N11SGMXR	0.30	C	
◎	RF W-TWH12RY0240 FOR N16SGMXR	0.30	C	
◎	RF W-TWH12RY0280 FOR N20SGMXR	0.30	C	
◎	RF W-TWH18RY0360 FOR N25SGMXR	0.40	C	
◎	RF W-TWH18RY0440 FOR N32SGMXR	0.50	C	

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RF W-TWH // RF防鏽鍍層快換式全圓滾針扭力扳手頭 // RF rustproof coating round type needle roller wrench attachment

STOCK	CODE	W(KG)	GROUP	REMARK
◎	RF W-TWH18RY0340 FOR N16SGXR, N16SGSXR	0.40	C	
◎	RF W-TWH18RY0380 FOR N20SGXR, N20SGSXR	0.40	C	
◎	RF W-TWH18RY0440 FOR N25SGXR, N25SGSXR	0.50	C	
◎	RF W-TWH18RY0520 FOR N32SGXR, N32SGSXR	0.50	C	
◎	RF W-TWH18RY0620 FOR N40SGXR, N40SGSXR	0.60	C	

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RF W-TWH // RF防鏽鍍層快換式全圓滾針扭力扳手頭 // RF rustproof coating round type needle roller wrench attachment

STOCK	CODE	W(KG)	GROUP	REMARK
◎	RF W-TWH18RY0320 FOR N16XR	0.40	C	
◎	RF W-TWH18RY0350 FOR N20XR	0.40	C	
◎	RF W-TWH18RY0420 FOR N25XR	0.40	C	
◎	RF W-TWH18RY0500 FOR N32XR	0.50	C	
◎	RF W-TWH18RY0620 FOR N40XR	0.60	C	

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RF W-TWH // RF防鏽鍍層快換式全圓滾針扭力扳手頭 // RF rustproof coating round type needle roller wrench attachment

STOCK	CODE	W(KG)	GROUP	REMARK
◎	RF W-TWH18RY0500 FOR YMC20R	0.40	C	
◎	RF W-TWH18RY0600 FOR YMC25R	0.40	C	
◎	RF W-TWH18RY0700 FOR YMC32R	0.40	C	
◎	RF W-TWH18RY0880 FOR YMC42R	0.50	C	

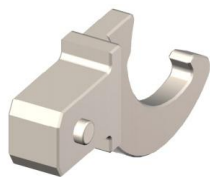
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RF W-TWH // RF防鏽鍍層快換式勾型扳手頭 // RF rustproof coating hook wrench attachment



STOCK	CODE		W(KG)	GROUP	REMARK
◎	RF W-TWH18YMK030 Ø28/Ø32	FOR N16X	0.20	C	
◎	RF W-TWH18YMK035 Ø33/Ø37	FOR N16SGX, N16SGSX, N20X	0.20	C	
◎	RF W-TWH18YMK040 Ø38/Ø42	FOR N20SGX, N20SGSX, N25X	0.20	C	
◎	RF W-TWH18YMK045 Ø43/Ø47	FOR N25SGX, N25SGSX	0.20	C	
◎	RF W-TWH18YMK050 Ø48/Ø52	FOR N32SGX, N32SGSX, N32X, YMC20	0.30	C	
◎	RF W-TWH18YMK055 Ø53/Ø57		0.30	C	
◎	RF W-TWH18YMK060 Ø58/Ø62	FOR N40SGX, N40SGSX, N40X, YMC25	0.30	C	
◎	RF W-TWH18YMK065 Ø63/Ø67		0.30	C	
◎	RF W-TWH18YMK070 Ø68/Ø72	FOR YMC32	0.30	C	
◎	RF W-TWH18YMK075 Ø73/Ø77		0.30	C	
◎	RF W-TWH18YMK080 Ø78/Ø82		0.30	C	
◎	RF W-TWH18YMK085 Ø83/Ø87	FOR YMC42	0.30	C	

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W-TWH // 替換式勾型扳手頭 // Hook type wrench attachment



STOCK	CODE		W(KG)	GROUP	REMARK
▲	W-TWH18FK04 Ø25/Ø35	FOR N16SGX, N16SGSX, N16H	0.20	E	
▲	W-TWH18FK06 Ø35/Ø45	FOR N20/25SGX, N20/25SGSX, N20/25H, N25SX	0.20	E	
▲	W-TWH18FK08 Ø45/Ø55	FOR N32SGX, N32SGSX, N32H	0.30	E	
▲	W-TWH18FK09 Ø55/Ø65	FOR N40SGX, N40SGSX, N40H	0.30	E	

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W-ERM // Mini slim ER螺帽扳手 // Mini slim ER nut wrench



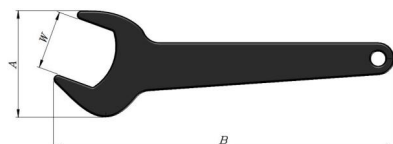
STOCK	CODE		A	B	W(KG)	GROUP	REMARK
	W-ER08M	N08MX	12.4	70	0.03	E	
◎	W-ER11M	N11MX	16.8	90	0.04	E	
◎	W-ER16M	N16MX	22.8	110	0.06	E	
◎	W-ER20M	N20MX	29.0	120	0.07	E	
	W-ER25M	N25MX	36.0	130	0.12	E	

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W-ERM & W-ER // Mini slim ER螺帽扳手與ER螺帽扳手 // Mini slim ER nut wrench & ER nut wrench



STOCK	CODE		A	B	W(KG)	GROUP	REMARK
	W-ER08MN	N08MNX	12	24.0	70	0.03	E
	W-ER11MN	N11MNX	16	28.0	90	0.04	E
	W-ER16MN	N16MNX	22	34.0	110	0.06	E
	W-ER20MN	N20MNX	28	40.0	120	0.07	E
	W-ER25MN	N25MNX	36	48.0	130	0.12	E
STOCK	CODE		A	B	W(KG)	GROUP	REMARK
	W-ER11	N11SX	17	32	95	0.13	E
◎	W-ER16	N16SX	25	44	145	0.15	E
◎	W-ER20	N20SX	30	52	170	0.20	E

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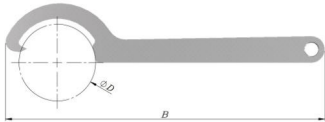
W-FK // SGER & ER螺帽勾型扳手 // SGER & ER nut hook wrench

STOCK	CODE		B	W(KG)	GROUP	REMARK
◎	RF W-YMK030 Ø28/Ø32	FOR N16X	140	0.08	C	
◎	RF W-YMK035 Ø33/Ø37	FOR N16SGX, N16SGSX, N20X	145	0.10	C	
◎	RF W-YMK040 Ø38/Ø42	FOR N20SGX, N20SGSX, N25X	170	0.14	C	
◎	RF W-YMK045 Ø43/Ø47	FOR N25SGX, N25SGSX	175	0.16	C	
◎	RF W-YMK050 Ø48/Ø52	FOR N32SGX, N32SGSX, N32X, YMC20	200	0.20	C	
	RF W-YMK055 Ø53/Ø57		205	0.22	C	
◎	RF W-YMK060 Ø58/Ø62	FOR N40SGX, N40SGSX, N40X, YMC25	230	0.26	C	
	RF W-YMK065 Ø63/Ø67		235	0.28	C	
◎	RF W-YMK070 Ø68/Ø72	FOR YMC32	265	0.32	C	
	RF W-YMK075 Ø73/Ø77		270	0.34	C	
	RF W-YMK080 Ø78/Ø82		295	0.38	C	
◎	RF W-YMK085 Ø83/Ø87	FOR YMC42	300	0.40	C	
◎	W-YMK030 Ø28/Ø32	FOR N16X	140	0.08	C	
◎	W-YMK035 Ø33/Ø37	FOR N16SGX, N16SGSX, N20X	145	0.10	C	
◎	W-YMK040 Ø38/Ø42	FOR N20SGX, N20SGSX, N25X	170	0.14	C	
◎	W-YMK045 Ø43/Ø47	FOR N25SGX, N25SGSX	175	0.16	C	
◎	W-YMK050 Ø48/Ø52	FOR N32SGX, N32SGSX, N32X, YMC20	200	0.20	C	
	W-YMK055 Ø53/Ø57		205	0.22	C	
◎	W-YMK060 Ø58/Ø62	FOR N40SGX, N40SGSX, N40X, YMC25	230	0.26	C	
	W-YMK065 Ø63/Ø67		235	0.28	C	
◎	W-YMK070 Ø68/Ø72	FOR YMC32	265	0.32	C	
	W-YMK075 Ø73/Ø77		270	0.34	C	
	W-YMK080 Ø78/Ø82		295	0.38	C	
◎	W-YMK085 Ø83/Ø87	FOR YMC42	300	0.40	C	

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W-FK // SGER & ER螺帽勾型扳手 // SGER & ER nut hook wrench

STOCK	CODE	A	B	W(KG)	GROUP	REMARK
▲	W-FK04 N16SGX, N16H	34	170	0.07	C	
▲	W-FK05 N20SGX, N20H	38	170	0.10	C	
▲	W-FK06 N25SGX, N25H, N25SX	44	170	0.11	C	
▲	W-FK08 N32SGX, N32H, N32SX	52	210	0.19	C	
▲	W-FK09 N40SGX, N40H, N40SX	62	230	0.27	C	

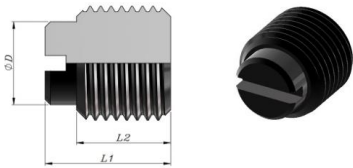


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止動螺絲 // Backup screw

STOCK	CODE	ØD	L1	L2	W(G)	GROUP	REMARK
◎	BK-ER11-M08*P1.0	6	10	7	2.5	C	
◎	BK-ER16-M11*P1.0	8	12	9	6.5	C	
◎	BK-ER20-M14*P1.0	11	13	9	12.0	C	
◎	BK-ER25-M18*P1.5	15	14	10	19.4	C	
◎	BK-ER32-M24*P1.5	20	16	12	67.0	C	
◎	BK-ER40-M28*P1.5	25	18	14	76.0	C	



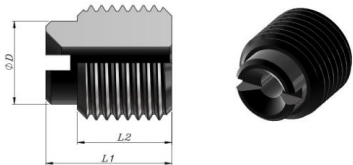
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中心出水止動螺絲 // Coolant though backup screw

STOCK	CODE	ØD	L1	L2	W(G)	GROUP	REMARK
◎	BK-ER11C-M08*P1.0	6	10	7	2.2	C	
◎	BK-ER16C-M11*P1.0	8	12	9	6.0	C	
◎	BK-ER20C-M14*P1.0	11	13	9	10.5	C	
◎	BK-ER25C-M18*P1.5	15	14	10	19.4	C	
◎	BK-ER32C-M24*P1.5	20	16	12	42.0	C	
◎	BK-ER40C-M28*P1.5	25	18	14	65.4	C	



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supERgrip SGER & ER // COLLET ER

Collet is one of the main parts for collet chuck
It holds the tool for nut to tighten it on the collet chuck
However, it is never easy to produce an accurate one
There are some points to notice

1. Material

Life of collet will be shortened if produced with WRONG material
YAMAKEN produce collet with bearing steel
Life of collet with such steel is longer and repeat accuracy is good

2. Roundness of collet

Collet with poor roundness will reduce the accuracy when assemble with the chuck
YAMAKEN produce the collet with roundness 0.001mm

3. Concentricity

Collet with poor concentricity will reduce the accuracy when assemble with the chuck
YAMAKEN produce the SUS stainless collet with concentricity 0.002mm
YAMAKEN produce the AA grade collet with concentricity 0.002mm
YAMAKEN produce collet with concentricity 0.003mm

4. Assembly accuracy of collet with chuck and nut

SGER nut + SUS SGER collet assembly runout 0.003mm @3*d
SGER nut + SUS SGERKKZ collet assembly runout 0.003mm @3*d
SGER nut + SUS ER collet assembly runout 0.005mm @3*d
SGER nut + AA grade ER collet assembly runout 0.005mm @3*d
SGER nut + ER collet assembly runout 0.010mm @3*d
ERM nut & ERM nut + SUS ER collet assembly runout 0.005mm @3*d
ERM nut & ERM nut + AA grade ER collet assembly runout 0.005mm @3*d
ERM nut & ERM nut + ER collet assembly runout 0.010mm @3*d

5. Surface treatment of collet

To prevent the rust damaging the collet
all ER collets produced in YAMAKEN are with "RUSTPROOF" coating

6. New Stainless collet

YAMAKEN start to adopt stainless material to produce SUS ER collet

supERgrip SGER & ER // COLLET ER

筒夾是筒夾刀桿的主要部件之一
用於夾持刀具讓螺帽鎖固於筒夾刀桿上
但是要生產精準的筒夾並不是很簡單
需要注意的有:

1. 材質的選用

使用材質不正確會減短筒夾壽命
山謙使用軸承鋼生產筒夾

2. 筒夾的真圓度

真圓度不佳的筒夾組合刀桿會降低組合精度
山謙生產的筒夾真圓度是0.001mm

3. 筒夾的同心度

同心度不佳的筒夾組合刀桿會降低組合精度
山謙生產的SUS不鏽鋼筒夾同心度是0.002mm
山謙生產的AA級筒夾同心度是0.002mm
山謙生產的筒夾同心度是0.003mm

4. 筒夾組合刀桿與螺帽的組合精度

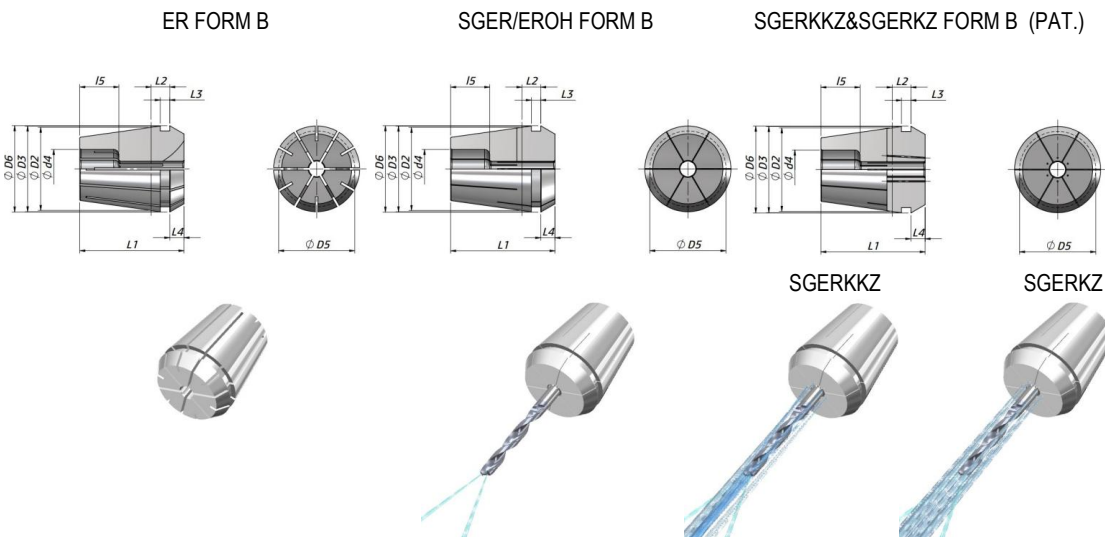
SGER螺帽+SUS SGER筒夾組合精度0.003mm @3*d
SGER螺帽+SUS SGERKKZ筒夾組合精度0.003mm @3*d
SGER螺帽+SUS ER筒夾組合精度0.005mm @3*d
SGER螺帽+AA級ER筒夾組合精度0.005mm @3*d
SGER螺帽+ER筒夾組合精度0.010mm @3*d
ERM螺帽+ER螺帽+SUS ER筒夾組合精度0.005mm @3*d
ERM螺帽+ER螺帽+AA級ER筒夾組合精度0.005mm @3*d
ERM螺帽+ER螺帽+ER筒夾組合精度0.010mm @3*d

5. 筒夾的表面處理

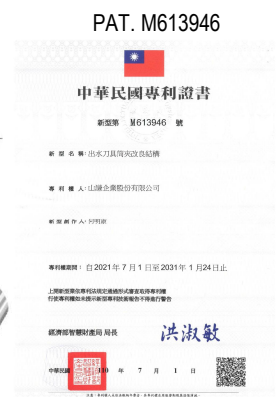
為了避免生鏽而造成筒夾的毀損
山謙生產的ER筒夾全面做防鏽鍍層處理

6. 筒夾的新材料

山謙開始採用不鏽鋼生產的SUS ER筒夾



ER COLLET	ER11		ER16		ER20		ER25		ER32		ER40	
FORM B	1.0~2.5	3.0~7.0	1.0~4.5	.0~10.0	1.0~6.5	.0~13.0	1.0~7.5	.0~16.0	2.0~7.5	.0~20.0	3.0~8.5	.0~26.0
ØD2		11		16		20		25		32		40
ØD3 0/-0.2		11.5		17.0		21.0		26.0		33.0		41.0
Ød4	5.0	-	7.5	-	10.0	-	12.0	-	15.0	-	20.0	-
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
l5 min.	9.0	-	9.0	-	12.0	-	13.0	-	15.0	-	18.0	-



Stainless SUS ER collet is of concentricity 0.002mm equal to grade AA/HP/UP

不鏽鋼SUS ER筒夾同心度0.002 等同於AA/HP/UP等級

Stainless SUS ER collet DIN6499B/ISO15488B

不鏽鋼ER筒夾 DIN6499B/ISO15488B

Stainless SUS ER collet + SGER nut assembly runout 0.005mm @3*d

不鏽鋼ER筒夾+SGER螺帽組合精度0.005mm @3*d

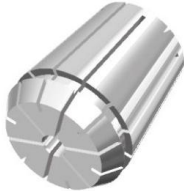
Stainless SUS ER collet + ERM nut & ER nut assembly runout 0.005mm @3*d

不鏽鋼ER筒夾+ERM螺帽&ER螺帽組合精度0.005mm @3*d

SUS ER11 (0.01kg/pc)					SUS ER16 (0.03kg/pc)					SUS ER20 (0.04kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
3.0~2.5	SUS ER11-030	◎	E		SUS ER16-030	◎	E			SUS ER20-030	◎	E		
3.5~3.0	SUS ER11-035	◎	E		SUS ER16-035	◎	E			SUS ER20-035	◎	E		
4.0~3.5	SUS ER11-040	◎	E		SUS ER16-040	◎	E			SUS ER20-040	◎	E		
4.5~4.0	SUS ER11-045	◎	E		SUS ER16-045	◎	E			SUS ER20-045	◎	E		
5.0~4.5	SUS ER11-050	◎	E		SUS ER16-050	◎	E			SUS ER20-050	◎	E		
5.5~5.0	SUS ER11-055	◎	E		SUS ER16-055	◎	E			SUS ER20-055	◎	E		
6.0~5.5	SUS ER11-060	◎	E		SUS ER16-060	◎	E			SUS ER20-060	◎	E		
6.5~6.0	SUS ER11-065	◎	E		SUS ER16-065	◎	E			SUS ER20-065	◎	E		
7.0~6.5	SUS ER11-070	◎	E		SUS ER16-070	◎	E			SUS ER20-070	◎	E		
7.5~7.0					SUS ER16-075	◎	E			SUS ER20-075	◎	E		
8.0~7.5					SUS ER16-080	◎	E			SUS ER20-080	◎	E		
8.5~8.0					SUS ER16-085	◎	E			SUS ER20-085	◎	E		
9.0~8.5					SUS ER16-090	◎	E			SUS ER20-090	◎	E		
9.5~9.0					SUS ER16-095	◎	E			SUS ER20-095	◎	E		
10.0~9.5					SUS ER16-100	◎	E			SUS ER20-100	◎	E		
10.5~10.0										SUS ER20-105	◎	E		
11.0~10.5										SUS ER20-110	◎	E		
11.5~11.0										SUS ER20-115	◎	E		
12.0~11.5										SUS ER20-120	◎	E		
12.5~12.0										SUS ER20-125	◎	E		
13.0~12.5										SUS ER20-130	◎	E		

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

SUS ER COLLET ASSEMBLY ACCURACY 0.005mm@3*d / 不鏽鋼ER筒夾組合精度0.005mm@3*d



Stainless SUS ER collet is of concentricity 0.002mm equal to grade AA/HP/UP

不鏽鋼SUS ER筒夾同心度0.002 等同於AA/HP/UP等級

Stainless SUS ER collet DIN6499B/ISO15488B

不鏽鋼ER筒夾 DIN6499B/ISO15488B

Stainless SUS ER collet + SGER nut assembly runout 0.005mm @3*d

不鏽鋼ER筒夾+SGER螺帽組合精度0.005mm @3*d

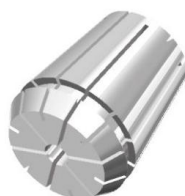
Stainless SUS ER collet + ERM nut & ER nut assembly runout 0.005mm @3*d

不鏽鋼ER筒夾+ERM螺帽&ER螺帽組合精度0.005mm @3*d

SUS ER25 (0.09kg/pc)					SUS ER32 (0.16kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK	
3.0~2.5	SUS ER25-030	◎	E		SUS ER32-030	◎	E		
3.5~3.0	SUS ER25-035	◎	E		SUS ER32-035	◎	E		
4.0~3.5	SUS ER25-040	◎	E		SUS ER32-040	◎	E		
4.5~4.0	SUS ER25-045	◎	E		SUS ER32-045	◎	E		
5.0~4.5	SUS ER25-050	◎	E		SUS ER32-050	◎	E		
5.5~5.0	SUS ER25-055	◎	E		SUS ER32-055	◎	E		
6.0~5.5	SUS ER25-060	◎	E		SUS ER32-060	◎	E		
6.5~6.0	SUS ER25-065	◎	E		SUS ER32-065	◎	E		
7.0~6.5	SUS ER25-070	◎	E		SUS ER32-070	◎	E		
7.5~7.0	SUS ER25-075	◎	E		SUS ER32-075	◎	E		
8.0~7.5	SUS ER25-080	◎	E		SUS ER32-080	◎	E		
8.5~8.0	SUS ER25-085	◎	E		SUS ER32-085	◎	E		
9.0~8.5	SUS ER25-090	◎	E		SUS ER32-090	◎	E		
9.5~9.0	SUS ER25-095	◎	E		SUS ER32-095	◎	E		
10.0~9.5	SUS ER25-100	◎	E		SUS ER32-100	◎	E		
10.5~10.0	SUS ER25-105	◎	E		SUS ER32-105	◎	E		
11.0~10.5	SUS ER25-110	◎	E		SUS ER32-110	◎	E		
11.5~11.0	SUS ER25-115	◎	E		SUS ER32-115	◎	E		
12.0~11.5	SUS ER25-120	◎	E		SUS ER32-120	◎	E		
12.5~12.0	SUS ER25-125	◎	E		SUS ER32-125	◎	E		
13.0~12.5	SUS ER25-130	◎	E		SUS ER32-130	◎	E		
13.5~13.0	SUS ER25-135	◎	E		SUS ER32-135	◎	E		
14.0~13.5	SUS ER25-140	◎	E		SUS ER32-140	◎	E		
14.5~14.0	SUS ER25-145	◎	E		SUS ER32-145	◎	E		
15.0~14.5	SUS ER25-150	◎	E		SUS ER32-150	◎	E		
15.5~15.0	SUS ER25-155	◎	E		SUS ER32-155	◎	E		
16.0~15.5	SUS ER25-160	◎	E		SUS ER32-160	◎	E		
16.5~16.0					SUS ER32-165	◎	E		
17.0~16.5					SUS ER32-170	◎	E		
17.5~17.0					SUS ER32-175	◎	E		
18.0~17.5					SUS ER32-180	◎	E		
18.5~18.0					SUS ER32-185	◎	E		
19.0~18.5					SUS ER32-190	◎	E		
19.5~19.0					SUS ER32-195	◎	E		
20.0~19.5					SUS ER32-200	◎	E		

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SUS ER COLLET ASSEMBLY ACCURACY 0.005mm@3*d / 不鏽鋼ER筒夾組合精度0.005mm@3*d



Stainless SUS ER collet is of concentricity 0.002mm equal to grade AA/HP/UP

不鏽鋼SUS ER筒夾同心度0.002 等同於AA/HP/UP等級

Stainless SUS ER collet DIN6499B/ISO15488B

不鏽鋼ER筒夾 DIN6499B/ISO15488B

Stainless SUS ER collet + SGER nut assembly runout 0.005mm @3*d

不鏽鋼ER筒夾+SGER螺帽組合精度0.005mm @3*d

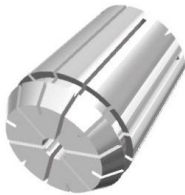
Stainless SUS ER collet + ERM nut & ER nut assembly runout 0.005mm @3*d

不鏽鋼ER筒夾+ERM螺帽&ER螺帽組合精度0.005mm @3*d

inch		SUS ER11 (0.01kg/pc)				SUS ER16 (0.03kg/pc)				SUS ER20 (0.04kg/pc)			
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK	
(3.175) 1/8"~7/64"	SUS ER11-1/8"	◎	E		SUS ER16-1/8"	◎	E		SUS ER20-1/8"	◎	E		
(4.7625) 3/16"~11/64"	SUS ER11-3/16"	◎	E		SUS ER16-3/16"	◎	E		SUS ER20-3/16"	◎	E		
(6.35) 1/4"~15/64"	SUS ER11-1/4"	◎	E		SUS ER16-1/4"	◎	E		SUS ER20-1/4"	◎	E		
(7.9375) 5/16"~19/64"					SUS ER16-5/16"	◎	E		SUS ER20-5/16"	◎	E		
(9.525) 3/8"~23/64"					SUS ER16-3/8"	◎	E		SUS ER20-3/8"	◎	E		
(11.1125) 7/16"~27/64"									SUS ER20-7/16"	◎	E		
(12.7) 1/2"~31/64"									SUS ER20-1/2"	◎	E		
inch		SUS ER25 (0.09kg/pc)				SUS ER32 (0.16kg/pc)							
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK					
(3.175) 1/8"~7/64"	SUS ER25-1/8"	◎	E		SUS ER32-1/8"	◎	E						
(4.7625) 3/16"~11/64"	SUS ER25-3/16"	◎	E		SUS ER32-3/16"	◎	E						
(6.35) 1/4"~15/64"	SUS ER25-1/4"	◎	E		SUS ER32-1/4"	◎	E						
(7.9375) 5/16"~19/64"	SUS ER25-5/16"	◎	E		SUS ER32-5/16"	◎	E						
(9.525) 3/8"~23/64"	SUS ER25-3/8"	◎	E		SUS ER32-3/8"	◎	E						
(11.1125) 7/16"~27/64"	SUS ER25-7/16"	◎	E		SUS ER32-7/16"	◎	E						
(12.7) 1/2"~31/64"	SUS ER25-1/2"	◎	E		SUS ER32-1/2"	◎	E						
(14.2825) 9/16"~35/64"	SUS ER25-9/16"	◎	E		SUS ER32-9/16"	◎	E						
(15.875) 5/8"~39/64"	SUS ER25-5/8"	◎	E		SUS ER32-5/8"	◎	E						
(17.4626) 11/16"~43/64"					SUS ER32-11/16"	◎	E						
(19.05) 3/4"~47/64"					SUS ER32-3/4"	◎	E						

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SUS ER COLLET ASSEMBLY ACCURACY 0.005mm@3*d / 不鏽鋼ER筒夾組合精度0.005mm@3*d



Stainless SUS SGER collet is of concentricity 0.001mm equal to grade AAA

不鏽鋼SUS SGER筒夾同心度0.001 等同於AAA等級

Stainless SUS SGER collet is of metallic sealed design as EROH

不鏽鋼SUS SGER筒夾是機械式止水設計與EROH相同

Stainless SUS SGER collet DIN6499B/ISO15488B

不鏽鋼SGER筒夾 DIN6499B/ISO15488B

Stainless SUS SGER collet + SGER nut assembly runout 0.003mm @3*d

不鏽鋼SGER筒夾+SGER螺帽組合精度0.003mm @3*d

Stainless SUS SGER collet + ERM nut & ER nut assembly runout 0.003mm @3*d

不鏽鋼SGER筒夾+ERM螺帽&ER螺帽組合精度0.003mm @3*d

SUS SGER11 (0.01kg/pc)					SUS SGER16 (0.03kg/pc)					SUS SGER20 (0.04kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
3.0~2.5	SUS SGER11-030		B		SUS SGER16-030		B			SUS SGER20-030		B		
3.5~3.0	SUS SGER11-035		B		SUS SGER16-035		B			SUS SGER20-035		B		
4.0~3.5	SUS SGER11-040		B		SUS SGER16-040		B			SUS SGER20-040		B		
4.5~4.0	SUS SGER11-045		B		SUS SGER16-045		B			SUS SGER20-045		B		
5.0~4.5	SUS SGER11-050		B		SUS SGER16-050		B			SUS SGER20-050		B		
5.5~5.0	SUS SGER11-055		B		SUS SGER16-055		B			SUS SGER20-055		B		
6.0~5.5	SUS SGER11-060		B		SUS SGER16-060		B			SUS SGER20-060		B		
6.5~6.0	SUS SGER11-065		B		SUS SGER16-065		B			SUS SGER20-065		B		
7.0~6.5	SUS SGER11-070		B		SUS SGER16-070		B			SUS SGER20-070		B		
7.5~7.0					SUS SGER16-075		B			SUS SGER20-075		B		
8.0~7.5					SUS SGER16-080		B			SUS SGER20-080		B		
8.5~8.0					SUS SGER16-085		B			SUS SGER20-085		B		
9.0~8.5					SUS SGER16-090		B			SUS SGER20-090		B		
9.5~9.0					SUS SGER16-095		B			SUS SGER20-095		B		
10.0~9.5					SUS SGER16-100		B			SUS SGER20-100		B		
10.5~10.0										SUS SGER20-105		B		
11.0~10.5										SUS SGER20-110		B		
11.5~11.0										SUS SGER20-115		B		
12.0~11.5										SUS SGER20-120		B		
12.5~12.0										SUS SGER20-125		B		
13.0~12.5										SUS SGER20-130		B		

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SUS SGER COLLET ASSEMBLY ACCURACY 0.003mm@3*d / 不鏽鋼SGER筒夾組合精度0.003mm@3*d



Stainless SUS SGER collet is of concentricity 0.001mm equal to grade AAA

不鏽鋼SUS SGER筒夾同心度0.001 等同於AAA等級

Stainless SUS SGER collet is of metallic sealed design as EROH

不鏽鋼SUS SGER筒夾是機械式止水設計與EROH相同

Stainless SUS SGER collet DIN6499B/ISO15488B

不鏽鋼SGER筒夾 DIN6499B/ISO15488B

Stainless SUS SGER collet + SGER nut assembly runout 0.003mm @3*d

不鏽鋼SGER筒夾+SGER螺帽組合精度0.003mm @3*d

Stainless SUS SGER collet + ERM nut & ER nut assembly runout 0.003mm @3*d

不鏽鋼SGER筒夾+ERM螺帽&ER螺帽組合精度0.003mm @3*d

SUS SGER25 (0.09kg/pc)					SUS SGER32 (0.16kg/pc)					SUS SGER40 (0.30kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
3.0~2.5	SUS SGER25-030		B		SUS SGER32-030		B							
3.5~3.0	SUS SGER25-035		B		SUS SGER32-035		B							
4.0~3.5	SUS SGER25-040		B		SUS SGER32-040		B							
4.5~4.0	SUS SGER25-045		B		SUS SGER32-045		B							
5.0~4.5	SUS SGER25-050		B		SUS SGER32-050		B							
5.5~5.0	SUS SGER25-055		B		SUS SGER32-055		B							
6.0~5.5	SUS SGER25-060		B		SUS SGER32-060		B			SUS SGER40-060			B	
6.5~6.0	SUS SGER25-065		B		SUS SGER32-065		B			SUS SGER40-065			B	
7.0~6.5	SUS SGER25-070		B		SUS SGER32-070		B			SUS SGER40-070			B	
7.5~7.0	SUS SGER25-075		B		SUS SGER32-075		B			SUS SGER40-075			B	
8.0~7.5	SUS SGER25-080		B		SUS SGER32-080		B			SUS SGER40-080			B	
8.5~8.0	SUS SGER25-085		B		SUS SGER32-085		B			SUS SGER40-085			B	
9.0~8.5	SUS SGER25-090		B		SUS SGER32-090		B			SUS SGER40-090			B	
9.5~9.0	SUS SGER25-095		B		SUS SGER32-095		B			SUS SGER40-095			B	
10.0~9.5	SUS SGER25-100		B		SUS SGER32-100		B			SUS SGER40-100			B	
10.5~10.0	SUS SGER25-105		B		SUS SGER32-105		B			SUS SGER40-105			B	
11.0~10.5	SUS SGER25-110		B		SUS SGER32-110		B			SUS SGER40-110			B	
11.5~11.0	SUS SGER25-115		B		SUS SGER32-115		B			SUS SGER40-115			B	
12.0~11.5	SUS SGER25-120		B		SUS SGER32-120		B			SUS SGER40-120			B	
12.5~12.0	SUS SGER25-125		B		SUS SGER32-125		B			SUS SGER40-125			B	
13.0~12.5	SUS SGER25-130		B		SUS SGER32-130		B			SUS SGER40-130			B	
13.5~13.0	SUS SGER25-135		B		SUS SGER32-135		B			SUS SGER40-135			B	
14.0~13.5	SUS SGER25-140		B		SUS SGER32-140		B			SUS SGER40-140			B	
14.5~14.0	SUS SGER25-145		B		SUS SGER32-145		B			SUS SGER40-145			B	
15.0~14.5	SUS SGER25-150		B		SUS SGER32-150		B			SUS SGER40-150			B	
15.5~15.0	SUS SGER25-155		B		SUS SGER32-155		B			SUS SGER40-155			B	
16.0~15.5	SUS SGER25-160		B		SUS SGER32-160		B			SUS SGER40-160			B	
16.5~16.0					SUS SGER32-165		B			SUS SGER40-165			B	
17.0~16.5					SUS SGER32-170		B			SUS SGER40-170			B	
17.5~17.0					SUS SGER32-175		B			SUS SGER40-175			B	
18.0~17.5					SUS SGER32-180		B			SUS SGER40-180			B	
18.5~18.0					SUS SGER32-185		B			SUS SGER40-185			B	
19.0~18.5					SUS SGER32-190		B			SUS SGER40-190			B	
19.5~19.0					SUS SGER32-195		B			SUS SGER40-195			B	
20.0~19.5					SUS SGER32-200		B			SUS SGER40-200			B	
20.5~20.0										SUS SGER40-205			B	
21.0~20.5										SUS SGER40-210			B	
21.5~21.0										SUS SGER40-215			B	
22.0~21.5										SUS SGER40-220			B	
22.5~22.0										SUS SGER40-225			B	
23.0~22.5										SUS SGER40-230			B	
23.5~23.0										SUS SGER40-235			B	
24.0~23.5										SUS SGER40-240			B	
24.5~24.0										SUS SGER40-245			B	
25.0~24.5										SUS SGER40-250			B	
25.5~25.0										SUS SGER40-255			B	
26.0~25.5										SUS SGER40-260			B	

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

Stainless SUS SGER collet is of concentricity 0.001mm equal to grade AAA					不鏽鋼SUS SGER筒夾同心度0.001 等同於AAA等級				
Stainless SUS SGER collet is of metallic sealed design as EROH					不鏽鋼SUS SGER筒夾是機械式止水設計與EROH相同				
Stainless SUS SGER collet DIN6499B/ISO15488B					不鏽鋼SGER筒夾 DIN6499B/ISO15488B				
Stainless SUS SGER collet + SGER nut assembly runout 0.003mm @3*d					不鏽鋼SGER筒夾+SGER螺帽組合精度0.003mm @3*d				
Stainless SUS SGER collet + ERM nut & ER nut assembly runout 0.003mm @3*d					不鏽鋼SGER筒夾+ERM螺帽&ER螺帽組合精度0.003mm @3*d				

inch		SUS SGER11 (0.01kg/pc)				SUS SGER16 (0.03kg/pc)				SUS SGER20 (0.04kg/pc)			
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK	
(3.175) 1/8"~7/64"	SUS SGER11-1/8"		B		SUS SGER16-1/8"		B		SUS SGER20-1/8"		B		
(4.7625) 3/16"~11/64"	SUS SGER11-3/16"		B		SUS SGER16-3/16"		B		SUS SGER20-3/16"		B		
(6.35) 1/4"~15/64"	SUS SGER11-1/4"		B		SUS SGER16-1/4"		B		SUS SGER20-1/4"		B		
(7.9375) 5/16"~19/64"					SUS SGER16-5/16"		B		SUS SGER20-5/16"		B		
(9.525) 3/8"~23/64"					SUS SGER16-3/8"		B		SUS SGER20-3/8"		B		
(11.1125) 7/16"~27/64"									SUS SGER20-7/16"		B		
(12.7) 1/2"~31/64"									SUS SGER20-1/2"		B		
inch		SUS SGER25 (0.09kg/pc)				SUS ER32 (0.16kg/pc)				SUS SGER40 (0.30kg/pc)			
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK	
(3.175) 1/8"~7/64"	SUS SGER25-1/8"		B		SUS SGER32-1/8"		B		SUS SGER40-1/8"		B		
(4.7625) 3/16"~11/64"	SUS SGER25-3/16"		B		SUS SGER32-3/16"		B		SUS SGER40-3/16"		B		
(6.35) 1/4"~15/64"	SUS SGER25-1/4"		B		SUS SGER32-1/4"		B		SUS SGER40-1/4"		B		
(7.9375) 5/16"~19/64"	SUS SGER25-5/16"		B		SUS SGER32-5/16"		B		SUS SGER40-5/16"		B		
(9.525) 3/8"~23/64"	SUS SGER25-3/8"		B		SUS SGER32-3/8"		B		SUS SGER40-3/8"		B		
(11.1125) 7/16"~27/64"	SUS SGER25-7/16"		B		SUS SGER32-7/16"		B		SUS SGER40-7/16"		B		
(12.7) 1/2"~31/64"	SUS SGER25-1/2"		B		SUS SGER32-1/2"		B		SUS SGER40-1/2"		B		
(14.2825) 9/16"~35/64"	SUS SGER25-9/16"		B		SUS SGER32-9/16"		B		SUS SGER40-9/16"		B		
(15.875) 5/8"~39/64"	SUS SGER25-5/8"		B		SUS SGER32-5/8"		B		SUS SGER40-5/8"		B		
(17.4626) 11/16"~43/64"					SUS SGER32-11/16"		B		SUS SGER40-11/16"		B		
(19.05) 3/4"~47/64"					SUS SGER32-3/4"		B		SUS SGER40-3/4"		B		
(20.6375) 13/16"~51/64"									SUS SGER40-13/16"		B		
(22.225) 7/8"~55/64"									SUS SGER40-7/8"		B		
(23.8125) 15/16"~59/64"									SUS SGER40-15/16"		B		
(25.4) 1"~63/64"									SUS SGER40-1"		B		

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SUS SGER COLLET ASSEMBLY ACCURACY 0.003mm@3*d / 不鏽鋼SGER筒夾組合精度0.003mm@3*d



Stainless SUS SGERKKZ collet is of concentricity 0.001mm equal to grade AAA	不鏽鋼SUS SGERKKZ筒夾同心度0.001 等同於AAA等級
Stainless SUS SGERKKZ collet is of metallic sealed design with coolant through nose	不鏽鋼SUS SGER筒夾是機械式止水設計加上鼻端出水
Stainless SUS SGERKKZ collet DIN6499B/ISO15488B	不鏽鋼SGERKKZ筒夾 DIN6499B/ISO15488B
Stainless SUS SGERKKZ collet + SGER nut assembly runout 0.003mm @3*d	不鏽鋼SGER筒夾KKZ+SGER螺帽組合精度0.003mm @3*d
Stainless SUS SGERKKZ collet + ERM nut & ER nut assembly runout 0.003mm @3*d	不鏽鋼SGERKKZ筒夾+ERM螺帽&ER螺帽組合精度0.003mm @3*d

SUS SGER11KKZ (0.01kg/pc)					SUS SGER16KKZ (0.03kg/pc)					SUS SGER20KKZ (0.04kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
3.0~2.5	SUS SGER11KKZ-030		B		SUS SGER16KKZ-030		B			SUS SGER20KKZ-030		B		
4.0~3.5	SUS SGER11KKZ-040		B		SUS SGER16KKZ-040		B			SUS SGER20KKZ-040		B		
5.0~4.5	SUS SGER11KKZ-050		B		SUS SGER16KKZ-050		B			SUS SGER20KKZ-050		B		
6.0~5.5	SUS SGER11KKZ-060		B		SUS SGER16KKZ-060		B			SUS SGER20KKZ-060		B		
8.0~7.5					SUS SGER16KKZ-080		B			SUS SGER20KKZ-080		B		
10.0~9.5					SUS SGER16KKZ-100		B			SUS SGER20KKZ-100		B		
12.0~11.5										SUS SGER20KKZ-120		B		
SUS SGER25KKZ (0.09kg/pc)					SUS SGER32KKZ (0.16kg/pc)					SUS SGER40KKZ (0.30kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
3.0~2.5	SUS SGER25KKZ-030		B		SUS SGER32KKZ-030		B							
4.0~3.5	SUS SGER25KKZ-040		B		SUS SGER32KKZ-040		B							
5.0~4.5	SUS SGER25KKZ-050		B		SUS SGER32KKZ-050		B							
6.0~5.5	SUS SGER25KKZ-060		B		SUS SGER32KKZ-060		B			SUS SGER40KKZ-060		B		
8.0~7.5	SUS SGER25KKZ-080		B		SUS SGER32KKZ-080		B			SUS SGER40KKZ-080		B		
10.0~9.5	SUS SGER25KKZ-100		B		SUS SGER32KKZ-100		B			SUS SGER40KKZ-100		B		
12.0~11.5	SUS SGER25KKZ-120		B		SUS SGER32KKZ-120		B			SUS SGER40KKZ-120		B		
14.0~13.5	SUS SGER25KKZ-140		B		SUS SGER32KKZ-140		B			SUS SGER40KKZ-140		B		
16.0~15.5	SUS SGER25KKZ-160		B		SUS SGER32KKZ-160		B			SUS SGER40KKZ-160		B		
18.0~17.5					SUS SGER32KKZ-180		B			SUS SGER40KKZ-180		B		
20.0~19.5					SUS SGER32KKZ-200		B			SUS SGER40KKZ-200		B		
25.0~24.5										SUS SGER40KKZ-250		B		

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不鏽鋼SGERKKZ筒夾組合精度0.003mm@3*d (PAT.)
SUS SGERKKZ COLLET ASSEMBLY ACCURACY 0.003mm@3*d (PAT.)



不鏽鋼SGERKK筒夾組合精度0.003mm@3*d
SUS SGERKK COLLET ASSEMBLY ACCURACY 0.003mm@3*d



Stainless SUS SGERKKZ collet is of concentricity 0.001mm equal to grade AAA	不鏽鋼SUS SGERKKZ筒夾同心度0.001 等同於AAA等級
Stainless SUS SGERKKZ collet is of metallic sealed design with coolant through nose	不鏽鋼SUS SGER筒夾是機械式止水設計加上鼻端出水
Stainless SUS SGERKKZ collet DIN6499B/ISO15488B	不鏽鋼SGERKKZ筒夾 DIN6499B/ISO15488B
Stainless SUS SGERKKZ collet + SGER nut assembly runout 0.003mm @3*d	不鏽鋼SGER筒夾KKZ+SGER螺帽組合精度0.003mm @3*d
Stainless SUS SGERKKZ collet + ERM nut & ER nut assembly runout 0.003mm @3*d	不鏽鋼SGERKKZ筒夾+ERM螺帽&ER螺帽組合精度0.003mm @3*d

inch Ød range	SUS SGER11KKZ (0.01kg/pc)				SUS SGER16KKZ (0.03kg/pc)				SUS SGER20KKZ (0.04kg/pc)			
	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK
(3.175) 1/8"~7/64"	SUS SGER11KKZ-1/8"		B		SUS SGER16KKZ-1/8"		B		SUS SGER20KKZ-1/8"		B	
(4.7625) 3/16"~11/64"	SUS SGER11KKZ-3/16"		B		SUS SGER16KKZ-3/16"		B		SUS SGER20KKZ-3/16"		B	
(6.35) 1/4"~15/64"	SUS SGER11KKZ-1/4"		B		SUS SGER16KKZ-1/4"		B		SUS SGER20KKZ-1/4"		B	
(7.9375) 5/16"~19/64"					SUS SGER16KKZ-5/16"		B		SUS SGER20KKZ-5/16"		B	
(9.525) 3/8"~23/64"					SUS SGER16KKZ-3/8"		B		SUS SGER20KKZ-3/8"		B	
(11.1125) 7/16"~27/64"									SUS SGER20KKZ-7/16"		B	
(12.7) 1/2"~31/64"									SUS SGER20KKZ-1/2"		B	
inch Ød range	SUS SGER25KKZ (0.09kg/pc)				SUS ER32KKZ (0.16kg/pc)				SUS SGER40KKZ (0.30kg/pc)			
	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK
(3.175) 1/8"~7/64"	SUS SGER25KKZ-1/8"		B		SUS SGER32KKZ-1/8"		B					
(4.7625) 3/16"~11/64"	SUS SGER25KKZ-3/16"		B		SUS SGER32KKZ-3/16"		B					
(6.35) 1/4"~15/64"	SUS SGER25KKZ-1/4"		B		SUS SGER32KKZ-1/4"		B		SUS SGER40KKZ-1/4"		B	
(7.9375) 5/16"~19/64"	SUS SGER25KKZ-5/16"		B		SUS SGER32KKZ-5/16"		B		SUS SGER40KKZ-5/16"		B	
(9.525) 3/8"~23/64"	SUS SGER25KKZ-3/8"		B		SUS SGER32KKZ-3/8"		B		SUS SGER40KKZ-3/8"		B	
(11.1125) 7/16"~27/64"	SUS SGER25KKZ-7/16"		B		SUS SGER32KKZ-7/16"		B		SUS SGER40KKZ-7/16"		B	
(12.7) 1/2"~31/64"	SUS SGER25KKZ-1/2"		B		SUS SGER32KKZ-1/2"		B		SUS SGER40KKZ-1/2"		B	
(14.2825) 9/16"~35/64"	SUS SGER25KKZ-9/16"		B		SUS SGER32KKZ-9/16"		B		SUS SGER40KKZ-9/16"		B	
(15.875) 5/8"~39/64"	SUS SGER25KKZ-5/8"		B		SUS SGER32KKZ-5/8"		B		SUS SGER40KKZ-5/8"		B	
(19.05) 3/4"~47/64"					SUS SGER32KKZ-3/4"		B		SUS SGER40KKZ-3/4"		B	
(22.225) 7/8"~55/64"									SUS SGER40KKZ-7/8"		B	
(25.4) 1"~63/64"									SUS SGER40KKZ-1"		B	

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不鏽鋼SGERKKZ筒夾組合精度0.003mm@3*d (PAT.)
SUS SGERKKZ COLLET ASSEMBLY ACCURACY 0.003mm@3*d (PAT.)

不鏽鋼SGERKK筒夾組合精度0.003mm@3*d
SUS SGERKK COLLET ASSEMBLY ACCURACY 0.003mm@3*d



RF rustproof coating grade AA ER collet is of concentricity 0.002mm equal to grade HP/UP

防鏽鍍層AA級ER筒夾同心度0.002 等同於HP/UP等級

Rustproof coating AA grade ER collet DIN6499B/ISO15488B

防鏽鍍層AA級ER筒夾 DIN6499B/ISO15488B

AA grade ER collet + SGER nut assembly runout 0.003mm @3*d

AA級ER筒夾+SGER螺帽組合精度0.003mm @3*d

AA grade ER collet + ERM nut & ER nut assembly runout 0.005mm @3*d

AA級ER筒夾+ERM螺帽&ER螺帽組合精度0.005mm @3*d

ER11AA (0.01kg/pc)					ER16AA (0.03kg/pc)					ER20AA (0.04kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
1.0~0.5	RF JA ER11AA-010	▲	G		RF JA ER16AA-010	▲	G			RF JA ER20AA-010	▲	G		
1.5~1.0	RF JA ER11AA-015	▲	G											
2.0~1.5	RF JA ER11AA-020	▲	G											
2.5~2.0	RF JA ER11AA-025	▲	G											
3.0~2.5	RF JA ER11AA-030	▲	G											
3.5~3.0	RF JA ER11AA-035	▲	G											
4.0~3.5	RF JA ER11AA-040	▲	G											
4.5~4.0	RF JA ER11AA-045	▲	G											
5.0~4.5	RF JA ER11AA-050	▲	G											
5.5~5.0	RF JA ER11AA-055	▲	G											
6.0~5.5	RF JA ER11AA-060	▲	G											
6.5~6.0	RF JA ER11AA-065	▲	G											
7.0~6.5	RF JA ER11AA-070	▲	G											
2.0~1.0					RF JA ER16AA-020	▲	G			RF JA ER20AA-020	▲	G		
3.0~2.0					RF JA ER16AA-030	▲	G			RF JA ER20AA-030	▲	G		
4.0~3.0					RF JA ER16AA-040	▲	G			RF JA ER20AA-040	▲	G		
5.0~4.0					RF JA ER16AA-050	▲	G			RF JA ER20AA-050	▲	G		
6.0~5.0					RF JA ER16AA-060	▲	G			RF JA ER20AA-060	▲	G		
7.0~6.0					RF JA ER16AA-070	▲	G			RF JA ER20AA-070	▲	G		
8.0~7.0					RF JA ER16AA-080	▲	G			RF JA ER20AA-080	▲	G		
9.0~8.0					RF JA ER16AA-090	▲	G			RF JA ER20AA-090	▲	G		
10.0~9.0					RF JA ER16AA-100	▲	G			RF JA ER20AA-100	▲	G		
11.0~10.0										RF JA ER20AA-110	▲	G		
12.0~11.0										RF JA ER20AA-120	▲	G		
13.0~12.0										RF JA ER20AA-130	▲	G		
ER25AA (0.09kg/pc)					ER32AA (0.16kg/pc)					ER40AA (0.30kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
1.0~0.5	RF JA ER25AA-010	▲	G											
2.0~1.0	RF JA ER25AA-020	▲	G											
3.0~2.0	RF JA ER25AA-030	▲	G		RF JA ER32AA-030	▲	G			RF JA ER40AA-040	▲	G		
4.0~3.0	RF JA ER25AA-040	▲	G		RF JA ER32AA-040	▲	G			RF JA ER40AA-050	▲	G		
5.0~4.0	RF JA ER25AA-050	▲	G		RF JA ER32AA-050	▲	G			RF JA ER40AA-060	▲	G		
6.0~5.0	RF JA ER25AA-060	▲	G		RF JA ER32AA-060	▲	G			RF JA ER40AA-070	▲	G		
7.0~6.0	RF JA ER25AA-070	▲	G		RF JA ER32AA-070	▲	G			RF JA ER40AA-080	▲	G		
8.0~7.0	RF JA ER25AA-080	▲	G		RF JA ER32AA-080	▲	G			RF JA ER40AA-090	▲	G		
9.0~8.0	RF JA ER25AA-090	▲	G		RF JA ER32AA-090	▲	G			RF JA ER40AA-100	▲	G		
10.0~9.0	RF JA ER25AA-100	▲	G		RF JA ER32AA-100	▲	G			RF JA ER40AA-110	▲	G		
11.0~10.0	RF JA ER25AA-110	▲	G		RF JA ER32AA-110	▲	G			RF JA ER40AA-120	▲	G		
12.0~11.0	RF JA ER25AA-120	▲	G		RF JA ER32AA-120	▲	G			RF JA ER40AA-130	▲	G		
13.0~12.0	RF JA ER25AA-130	▲	G		RF JA ER32AA-130	▲	G			RF JA ER40AA-140	▲	G		
14.0~13.0	RF JA ER25AA-140	▲	G		RF JA ER32AA-140	▲	G			RF JA ER40AA-150	▲	G		
15.0~14.0	RF JA ER25AA-150	▲	G		RF JA ER32AA-150	▲	G			RF JA ER40AA-160	▲	G		
16.0~15.0	RF JA ER25AA-160	▲	G		RF JA ER32AA-160	▲	G			RF JA ER40AA-170	▲	G		
17.0~16.0					RF JA ER32AA-170	▲	G			RF JA ER40AA-180	▲	G		
18.0~17.0					RF JA ER32AA-180	▲	G			RF JA ER40AA-190	▲	G		
19.0~18.0					RF JA ER32AA-190	▲	G			RF JA ER40AA-200	▲	G		
20.0~19.0					RF JA ER32AA-200	▲	G			RF JA ER40AA-210	▲	G		
21.0~20.0										RF JA ER40AA-220	▲	G		
22.0~21.0										RF JA ER40AA-230	▲	G		
23.0~22.0										RF JA ER40AA-240	▲	G		
24.0~23.0										RF JA ER40AA-250	▲	G		
25.0~24.0										RF JA ER40AA-260	▲	G		
26.0~25.0														

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

RF rustproof coating ER collet is of concentricity 0.005mm equal to grade A/P

RF防鏽鍍層ER筒夾同心度0.005 等同於A/P等級

RF rustproof coating ER collet DIN6499B/ISO15488B

防鏽鍍層ER筒夾 DIN6499B/ISO15488B

ER collet + SGER nut assembly runout 0.010mm @3*d

ER筒夾+SGER螺帽組合精度0.010mm @3*d

ER collet + ERM nut & ER nut assembly runout 0.010mm @3*d

ER筒夾+ERM螺帽&ER螺帽組合精度0.010mm @3*d

ER11 (0.01kg/pc)					ER16 (0.03kg/pc)					ER20 (0.04kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
1.0~0.5	RF SR/GF ER11-010	◎	G		RF SR/GF ER16-010	◎	G			RF SR/GF ER20-010	◎	G		
1.5~1.0	RF SR/GF ER11-015	◎	G		RF SR/GF ER16-015	◎	G			RF SR/GF ER20-015	◎	G		
2.0~1.5	RF SR/GF ER11-020	◎	G		RF SR/GF ER16-020	◎	G			RF SR/GF ER20-020	◎	G		
2.5~2.0	RF SR/GF ER11-025	◎	G		RF SR/GF ER16-025	◎	G			RF SR/GF ER20-025	◎	G		
3.0~2.5	RF GF ER11-030	▲	G											
3.5~3.0	RF GF ER11-035	▲	G											
4.0~3.5	RF GF ER11-040	▲	G											
4.5~4.0	RF GF ER11-045	▲	G											
5.0~4.5	RF GF ER11-050	▲	G											
5.5~5.0	RF GF ER11-055	▲	G											
6.0~5.5	RF GF ER11-060	▲	G											
6.5~6.0	RF GF ER11-065	▲	G											
7.0~6.5	RF GF ER11-070	▲	G											
3.0~2.0					RF GF ER16-030	▲	G			RF GF ER20-030	▲	G		
4.0~3.0					RF GF ER16-040	▲	G			RF GF ER20-040	▲	G		
5.0~4.0					RF GF ER16-050	▲	G			RF GF ER20-050	▲	G		
6.0~5.0					RF GF ER16-060	▲	G			RF GF ER20-060	▲	G		
7.0~6.0					RF GF ER16-070	▲	G			RF GF ER20-070	▲	G		
8.0~7.0					RF GF ER16-080	▲	G			RF GF ER20-080	▲	G		
9.0~8.0					RF GF ER16-090	▲	G			RF GF ER20-090	▲	G		
10.0~9.0					RF GF ER16-100	▲	G			RF GF ER20-100	▲	G		
11.0~10.0										RF GF ER20-110	▲	G		
12.0~11.0										RF GF ER20-120	▲	G		
13.0~12.0										RF GF ER20-130	▲	G		
ER25 (0.09kg/pc)					ER32 (0.16kg/pc)					ER40 (0.30kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
1.0~0.5	RF SR/GF ER25-010	◎	G											
1.5~1.0	RF SR/GF ER25-015	◎	G											
2.0~1.0	RF SR/GF ER25-020	◎	G											
2.5~2.0	RF SR/GF ER25-025	◎	G											
3.0~2.0	RF GF ER25-030	▲	G		RF GF ER32-030	▲	G							
4.0~3.0	RF GF ER25-040	▲	G		RF GF ER32-040	▲	G			RF SR/GF ER40-040	▲	G		
5.0~4.0	RF GF ER25-050	▲	G		RF GF ER32-050	▲	G			RF SR/GF ER40-050	▲	G		
6.0~5.0	RF GF ER25-060	▲	G		RF GF ER32-060	▲	G			RF SR/GF ER40-060	▲	G		
7.0~6.0	RF GF ER25-070	▲	G		RF GF ER32-070	▲	G			RF SR/GF ER40-070	▲	G		
8.0~7.0	RF GF ER25-080	▲	G		RF GF ER32-080	▲	G			RF SR/GF ER40-080	▲	G		
9.0~8.0	RF GF ER25-090	▲	G		RF GF ER32-090	▲	G			RF SR/GF ER40-090	▲	G		
10.0~9.0	RF GF ER25-100	▲	G		RF GF ER32-100	▲	G			RF SR/GF ER40-100	▲	G		
11.0~10.0	RF GF ER25-110	▲	G		RF GF ER32-110	▲	G			RF SR/GF ER40-110	▲	G		
12.0~11.0	RF GF ER25-120	▲	G		RF GF ER32-120	▲	G			RF SR/GF ER40-120	▲	G		
13.0~12.0	RF GF ER25-130	▲	G		RF GF ER32-130	▲	G			RF SR/GF ER40-130	▲	G		
14.0~13.0	RF GF ER25-140	▲	G		RF GF ER32-140	▲	G			RF SR/GF ER40-140	▲	G		
15.0~14.0	RF GF ER25-150	▲	G		RF GF ER32-150	▲	G			RF SR/GF ER40-150	▲	G		
16.0~15.0	RF GF ER25-160	▲	G		RF GF ER32-160	▲	G			RF SR/GF ER40-160	▲	G		
17.0~16.0					RF GF ER32-170	▲	G			RF SR/GF ER40-170	▲	G		
18.0~17.0					RF GF ER32-180	▲	G			RF SR/GF ER40-180	▲	G		
19.0~18.0					RF GF ER32-190	▲	G			RF SR/GF ER40-190	▲	G		
20.0~19.0					RF GF ER32-200	▲	G			RF SR/GF ER40-200	▲	G		
21.0~20.0										RF SR/GF ER40-210	▲	G		
22.0~21.0										RF SR/GF ER40-220	▲	G		
23.0~22.0										RF SR/GF ER40-230	▲	G		
24.0~23.0										RF SR/GF ER40-240	▲	G		
25.0~24.0										RF SR/GF ER40-250	▲	G		
26.0~25.0										RF SR/GF ER40-260	▲	G		

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

RF rustproof coating grade AA EROH collet is of concentricity 0.002mm equal to grade HP/UP RF防鏽鍍層AA級EROH筒夾同心度0.002 等同於HP/UP等級
RF rustproof coating AA grade EROH coolant collet DIN6499B/ISO15488B RF防鏽鍍層AA級EROH止水筒夾 DIN6499B/ISO15488B
AA grade EROH collet + SGER nut assembly runout 0.005mm @3*d AA級EROH筒夾+SGER螺帽組合精度0.005mm @3*d
AA grade EROH collet + ERM nut & ER nut assembly runout 0.005mm @3*d AA級EROH筒夾+ERM螺帽&ER螺帽組合精度0.005mm @3*d

ER11OHAA (0.01kg/pc)					ER16OHAA (0.03kg/pc)					ER20OHAA (0.04kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
3.0~2.9	RF JA ER11OHAA-030		G		RF JA ER16OHAA-030		G							
3.5~3.4	RF JA ER11OHAA-035		G		RF JA ER16OHAA-035		G							
4.0~3.9	RF JA ER11OHAA-040		G		RF JA ER16OHAA-040		G							
4.5~4.4	RF JA ER11OHAA-045		G		RF JA ER16OHAA-045		G							
5.0~4.9	RF JA ER11OHAA-050		G		RF JA ER16OHAA-050		G			RF JA ER20OHAA-050			G	
5.5~5.4	RF JA ER11OHAA-055		G											
6.0~5.9	RF JA ER11OHAA-060		G											
6.5~6.4	RF JA ER11OHAA-065		G											
7.0~6.9	RF JA ER11OHAA-070		G											
5.5~5.0					RF JA ER16OHAA-055		G			RF JA ER20OHAA-055			G	
6.0~5.5					RF JA ER16OHAA-060		G			RF JA ER20OHAA-060			G	
6.5~6.0					RF JA ER16OHAA-065		G			RF JA ER20OHAA-065			G	
7.0~6.5					RF JA ER16OHAA-070		G			RF JA ER20OHAA-070			G	
7.5~7.0					RF JA ER16OHAA-075		G			RF JA ER20OHAA-075			G	
8.0~7.5					RF JA ER16OHAA-080		G			RF JA ER20OHAA-080			G	
8.5~8.0					RF JA ER16OHAA-085		G			RF JA ER20OHAA-085			G	
9.0~8.5					RF JA ER16OHAA-090		G			RF JA ER20OHAA-090			G	
9.5~9.0					RF JA ER16OHAA-095		G			RF JA ER20OHAA-095			G	
10.0~9.5					RF JA ER16OHAA-100		G			RF JA ER20OHAA-100			G	
10.5~10.0										RF JA ER20OHAA-105			G	
11.0~10.5										RF JA ER20OHAA-110			G	
11.5~11.0										RF JA ER20OHAA-115			G	
12.0~11.5										RF JA ER20OHAA-120			G	
12.5~12.0										RF JA ER20OHAA-125			G	
13.0~12.5										RF JA ER20OHAA-130			G	

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RF rustproof coating grade AA EROH collet is of concentricity 0.002mm equal to grade HP/UP RF防鏽鍍層AA級EROH筒夾同心度0.002 等同於HP/UP等級

RF rustproof coating AA grade EROH coolant collet DIN6499B/ISO15488B

RF防鏽鍍層AA級EROH止水筒夾 DIN6499B/ISO15488B

AA grade EROH collet + SGER nut assembly runout 0.005mm @3*d

AA級EROH筒夾+SGER螺帽組合精度0.005mm @3*d

AA grade EROH collet + ERM nut & ER nut assembly runout 0.005mm @3*d

AA級EROH筒夾+ERM螺帽&ER螺帽組合精度0.005mm @3*d

ER25OHAA (0.09kg/pc)					ER32OHAA (0.16kg/pc)					ER40OHAA (0.30kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
6.0~5.5	RF JA ER25OHAA-060		G											
6.5~6.0	RF JA ER25OHAA-065		G											
7.0~6.5	RF JA ER25OHAA-070		G											
7.5~7.0	RF JA ER25OHAA-075		G											
8.0~7.5	RF JA ER25OHAA-080		G		RF JA ER32OHAA-080		G							
8.5~8.0	RF JA ER25OHAA-085		G		RF JA ER32OHAA-085		G							
9.0~8.5	RF JA ER25OHAA-090		G		RF JA ER32OHAA-090		G							
9.5~9.0	RF JA ER25OHAA-095		G		RF JA ER32OHAA-095		G							
10.0~9.5	RF JA ER25OHAA-100		G		RF JA ER32OHAA-100		G			RF JA ER40OHAA-100		G		
10.5~10.0	RF JA ER25OHAA-105		G		RF JA ER32OHAA-105		G			RF JA ER40OHAA-105		G		
11.0~10.5	RF JA ER25OHAA-110		G		RF JA ER32OHAA-110		G			RF JA ER40OHAA-110		G		
11.5~11.0	RF JA ER25OHAA-115		G		RF JA ER32OHAA-115		G			RF JA ER40OHAA-115		G		
12.0~11.5	RF JA ER25OHAA-120		G		RF JA ER32OHAA-120		G			RF JA ER40OHAA-120		G		
12.5~12.0	RF JA ER25OHAA-125		G		RF JA ER32OHAA-125		G			RF JA ER40OHAA-125		G		
13.0~12.5	RF JA ER25OHAA-130		G		RF JA ER32OHAA-130		G			RF JA ER40OHAA-130		G		
13.5~13.0	RF JA ER25OHAA-135		G		RF JA ER32OHAA-135		G			RF JA ER40OHAA-135		G		
14.0~13.5	RF JA ER25OHAA-140		G		RF JA ER32OHAA-140		G			RF JA ER40OHAA-140		G		
14.5~14.0	RF JA ER25OHAA-145		G		RF JA ER32OHAA-145		G			RF JA ER40OHAA-145		G		
15.0~14.5	RF JA ER25OHAA-150		G		RF JA ER32OHAA-150		G			RF JA ER40OHAA-150		G		
15.5~15.0	RF JA ER25OHAA-155		G		RF JA ER32OHAA-155		G			RF JA ER40OHAA-155		G		
16.0~15.5	RF JA ER25OHAA-160		G		RF JA ER32OHAA-160		G			RF JA ER40OHAA-160		G		
16.5~16.0					RF JA ER32OHAA-165		G			RF JA ER40OHAA-165		G		
17.0~16.5					RF JA ER32OHAA-170		G			RF JA ER40OHAA-170		G		
17.5~17.0					RF JA ER32OHAA-175		G			RF JA ER40OHAA-175		G		
18.0~17.5					RF JA ER32OHAA-180		G			RF JA ER40OHAA-180		G		
18.5~18.0					RF JA ER32OHAA-185		G			RF JA ER40OHAA-185		G		
19.0~18.5					RF JA ER32OHAA-190		G			RF JA ER40OHAA-190		G		
19.5~19.0					RF JA ER32OHAA-195		G			RF JA ER40OHAA-195		G		
20.0~19.5					RF JA ER32OHAA-200		G			RF JA ER40OHAA-200		G		
20.5~20.0										RF JA ER40OHAA-205		G		
21.0~20.5										RF JA ER40OHAA-210		G		
21.5~21.0										RF JA ER40OHAA-215		G		
22.0~21.5										RF JA ER40OHAA-220		G		
22.5~22.0										RF JA ER40OHAA-225		G		
23.0~22.5										RF JA ER40OHAA-230		G		
23.5~23.0										RF JA ER40OHAA-235		G		
24.0~23.5										RF JA ER40OHAA-240		G		
24.5~24.0										RF JA ER40OHAA-245		G		
25.0~24.5										RF JA ER40OHAA-250		G		
25.5~25.0										RF JA ER40OHAA-255		G		
26.0~25.5										RF JA ER40OHAA-260		G		

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RF rustproof coating EROH collet is of concentricity 0.005mm equal to grade A/P

RF防鏽鍍層EROH筒夾同心度0.005 等同於A/P等級

RF rustproof coating EROH coolant collet DIN6499B/ISO15488B

RF防鏽鍍層EROH止水筒夾 DIN6499B/ISO15488B

EROH collet + SGER nut assembly runout 0.010mm @3*d

EROH筒夾+SGER螺帽組合精度0.010mm @3*d

EROH collet + ERM nut & ER nut assembly runout 0.010mm @3*d

EROH筒夾+ERM螺帽&ER螺帽組合精度0.010mm @3*d

ER110H (0.01kg/pc)					ER160H (0.03kg/pc)					ER200H (0.04kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
3.0~2.9	RF JA ER110H-030		G		RF JA ER160H-030		G							
3.5~3.4	RF JA ER110H-035		G		RF JA ER160H-035		G							
4.0~3.9	RF JA ER110H-040		G		RF JA ER160H-040		G							
4.5~4.4	RF JA ER110H-045		G		RF JA ER160H-045		G							
5.0~4.9	RF JA ER110H-050		G		RF JA ER160H-050		G			RF JA ER200H-050			G	
5.5~5.4	RF JA ER110H-055		G											
6.0~5.9	RF JA ER110H-060		G											
6.5~6.4	RF JA ER110H-065		G											
7.0~6.9	RF JA ER110H-070		G											
5.5~5.0					RF JA ER160H-055		G			RF JA ER200H-055			G	
6.0~5.5					RF JA ER160H-060		G			RF JA ER200H-060			G	
6.5~6.0					RF JA ER160H-065		G			RF JA ER200H-065			G	
7.0~6.5					RF JA ER160H-070		G			RF JA ER200H-070			G	
7.5~7.0					RF JA ER160H-075		G			RF JA ER200H-075			G	
8.0~7.5					RF JA ER160H-080		G			RF JA ER200H-080			G	
8.5~8.0					RF JA ER160H-085		G			RF JA ER200H-085			G	
9.0~8.5					RF JA ER160H-090		G			RF JA ER200H-090			G	
9.5~9.0					RF JA ER160H-095		G			RF JA ER200H-095			G	
10.0~9.5					RF JA ER160H-100		G			RF JA ER200H-100			G	
10.5~10.0										RF JA ER200H-105			G	
11.0~10.5										RF JA ER200H-110			G	
11.5~11.0										RF JA ER200H-115			G	
12.0~11.5										RF JA ER200H-120			G	
12.5~12.0										RF JA ER200H-125			G	
13.0~12.5										RF JA ER200H-130			G	

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RF rustproof coating EROH collet is of concentricity 0.005mm equal to grade A/P

RF防鏽鍍層EROH筒夾同心度0.005 等同於A/P等級

RF rustproof coating EROH coolant collet DIN6499B/ISO15488B

RF防鏽鍍層EROH止水筒夾 DIN6499B/ISO15488B

EROH collet + SGER nut assembly runout 0.010mm @3*d

EROH筒夾+SGER螺帽組合精度0.010mm @3*d

EROH collet + ERM nut & ER nut assembly runout 0.010mm @3*d

EROH筒夾+ERM螺帽&ER螺帽組合精度0.010mm @3*d

ER25OH (0.09kg/pc)					ER32OH (0.16kg/pc)					ER40OH (0.30kg/pc)				
Ød range	CODE	STOCK	GROUP	REMARK	CODE	STOCK	GROUP	REMARK		CODE	STOCK	GROUP	REMARK	
6.0~5.5	RF JA ER25OH-060		G											
6.5~6.0	RF JA ER25OH-065		G											
7.0~6.5	RF JA ER25OH-070		G											
7.5~7.0	RF JA ER25OH-075		G											
8.0~7.5	RF JA ER25OH-080		G		RF JA ER32OH-080		G							
8.5~8.0	RF JA ER25OH-085		G		RF JA ER32OH-085		G							
9.0~8.5	RF JA ER25OH-090		G		RF JA ER32OH-090		G							
9.5~9.0	RF JA ER25OH-095		G		RF JA ER32OH-095		G							
10.0~9.5	RF JA ER25OH-100		G		RF JA ER32OH-100		G			RF JA ER40OH-100		G		
10.5~10.0	RF JA ER25OH-105		G		RF JA ER32OH-105		G			RF JA ER40OH-105		G		
11.0~10.5	RF JA ER25OH-110		G		RF JA ER32OH-110		G			RF JA ER40OH-110		G		
11.5~11.0	RF JA ER25OH-115		G		RF JA ER32OH-115		G			RF JA ER40OH-115		G		
12.0~11.5	RF JA ER25OH-120		G		RF JA ER32OH-120		G			RF JA ER40OH-120		G		
12.5~12.0	RF JA ER25OH-125		G		RF JA ER32OH-125		G			RF JA ER40OH-125		G		
13.0~12.5	RF JA ER25OH-130		G		RF JA ER32OH-130		G			RF JA ER40OH-130		G		
13.5~13.0	RF JA ER25OH-135		G		RF JA ER32OH-135		G			RF JA ER40OH-135		G		
14.0~13.5	RF JA ER25OH-140		G		RF JA ER32OH-140		G			RF JA ER40OH-140		G		
14.5~14.0	RF JA ER25OH-145		G		RF JA ER32OH-145		G			RF JA ER40OH-145		G		
15.0~14.5	RF JA ER25OH-150		G		RF JA ER32OH-150		G			RF JA ER40OH-150		G		
15.5~15.0	RF JA ER25OH-155		G		RF JA ER32OH-155		G			RF JA ER40OH-155		G		
16.0~15.5	RF JA ER25OH-160		G		RF JA ER32OH-160		G			RF JA ER40OH-160		G		
16.5~16.0					RF JA ER32OH-165		G			RF JA ER40OH-165		G		
17.0~16.5					RF JA ER32OH-170		G			RF JA ER40OH-170		G		
17.5~17.0					RF JA ER32OH-175		G			RF JA ER40OH-175		G		
18.0~17.5					RF JA ER32OH-180		G			RF JA ER40OH-180		G		
18.5~18.0					RF JA ER32OH-185		G			RF JA ER40OH-185		G		
19.0~18.5					RF JA ER32OH-190		G			RF JA ER40OH-190		G		
19.5~19.0					RF JA ER32OH-195		G			RF JA ER40OH-195		G		
20.0~19.5					RF JA ER32OH-200		G			RF JA ER40OH-200		G		
20.5~20.0										RF JA ER40OH-205		G		
21.0~20.5										RF JA ER40OH-210		G		
21.5~21.0										RF JA ER40OH-215		G		
22.0~21.5										RF JA ER40OH-220		G		
22.5~22.0										RF JA ER40OH-225		G		
23.0~22.5										RF JA ER40OH-230		G		
23.5~23.0										RF JA ER40OH-235		G		
24.0~23.5										RF JA ER40OH-240		G		
24.5~24.0										RF JA ER40OH-245		G		
25.0~24.5										RF JA ER40OH-250		G		
25.5~25.0										RF JA ER40OH-255		G		
26.0~25.5										RF JA ER40OH-260		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

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：

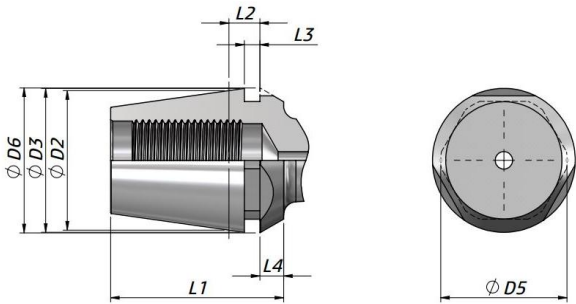
EREZ筒夾是以ER筒夾當錐柄的熱膨脹燒結筒夾
柄部依照DIN6499B/ISO15488B生產
EREZ熱膨脹燒結刀柄最適合裝配於supERgrip SGER強力ER筒夾刀柄
其他ER筒夾刀柄或者動力刀座也能適用

Technical information of ezshrink shrink fit chucks:

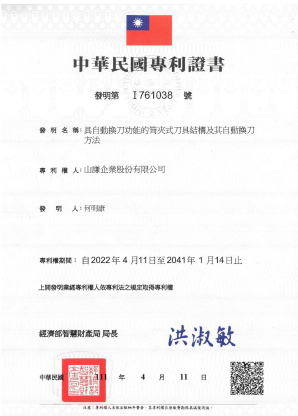
Material: SKD61/1.2344/4CrMo5SiV1/H13
Tensile strength: 1,200+ N/mm2 (Mpa)
Hardness: HRC50~52
Tool requirment: Shank tolerance with h6
Times of tool change: Over 1,000 times
Run out of T.I.R: 0.002mm at nose, 0.003mm at 3*d

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



PAT. I761038



PAT. 14344487



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

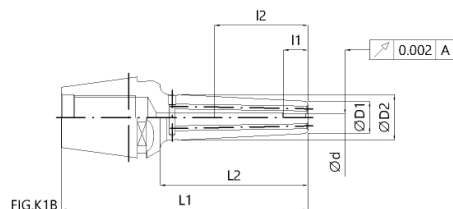
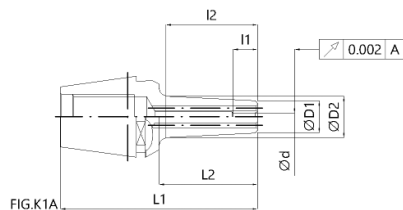


EREZCSU=直圓柱細型(2mm)
EREZCSU=CylindricalSlimUltra(2mm)



EREZCSKZ=直圓柱細型鼻端直式噴水(3mm)
EREZCSKZ=CylindricalSlim(3mm) with straight coolant through nose

ezShrink+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
	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	l1-min.	l2-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	

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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

supERgrip SGER & ER // 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	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

supERgrip SGER & ER // 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	

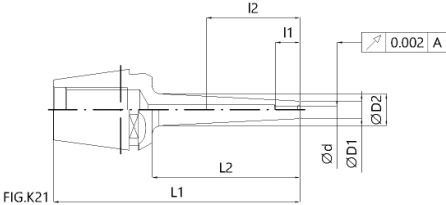
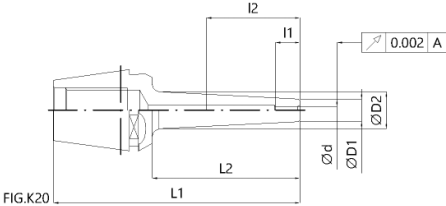
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HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

supERgrip SGER& ER // 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
	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	l1-min.	l2-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	

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

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	

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supERgrip SGER & ER // 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
	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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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
	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	

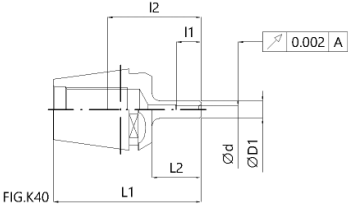
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supERgrip SGER & ER // ezShrink EREZCSU // ER-EZCSU (PAT.)

ezShrink CylindricalSlimUltra 直柄極細型熱膨脹燒結ER筒夾

ezShrink CylindricalSlimUltra shrink fit ER collets



HSS STOCK	CODE	FIG.	L1	L2	ØD1	ØD2	ØD3	Ød	l1-min.	l2-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	l1-min.	l2-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	l1-min.	l2-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	l1-min.	l2-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	l1-min.	l2-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	

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

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	

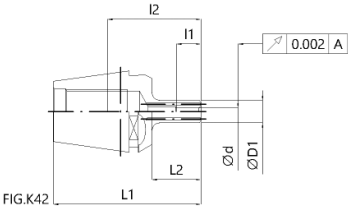
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HSS ○=高速鋼柄刀具適用 // HSS ○=hss shank tool possible | HSS無標示=限用鎢鋼柄刀具 HSS Blank=carbide shank tool only

supERgrip SGER & ER // ezShrink EREZCSKZ // ER-EZCSKZ (PAT.)

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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supERgrip SGER & ER // 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.

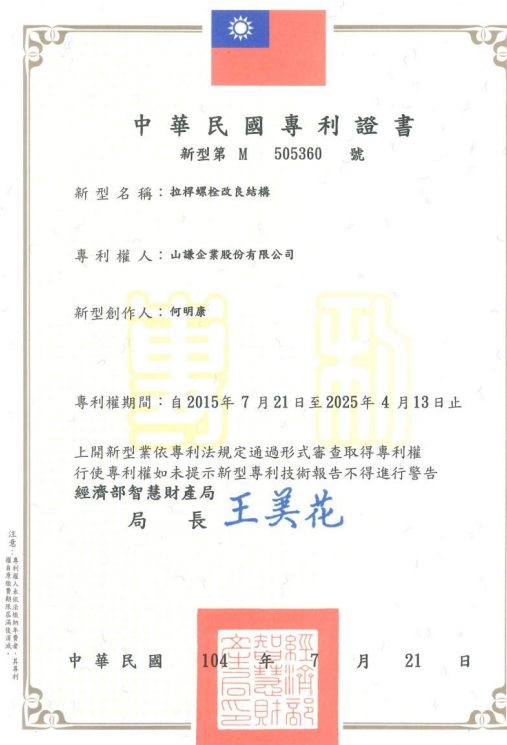
拉桿螺栓簡介:

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.

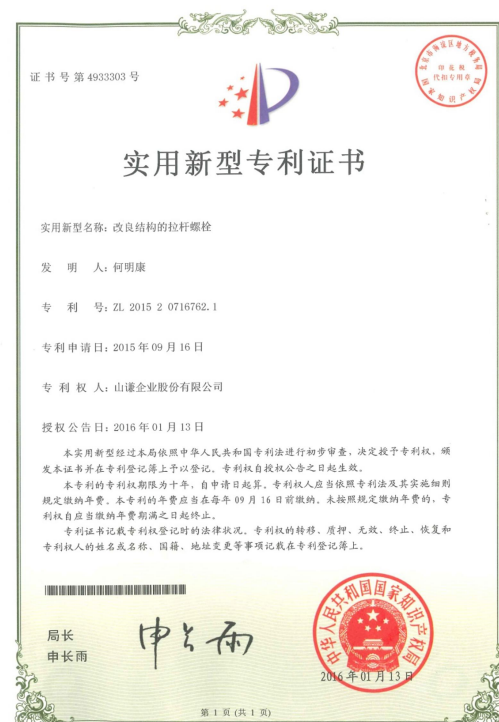
PAT. M505360



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

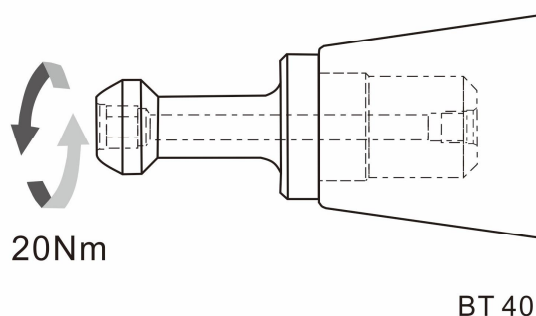
PAT. 4933303



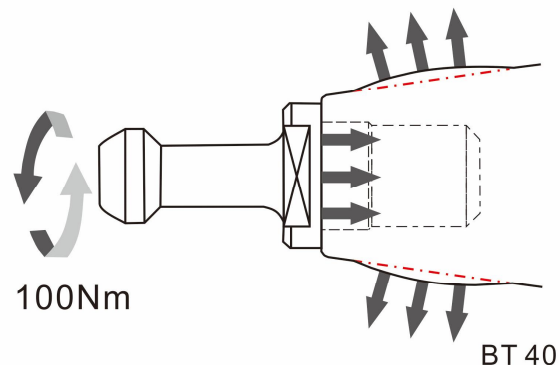
RETENSION KNOB // PULLSTUD deformation with high tighten torque:

拉桿螺栓大鎖緊扭力鎖固造成錐度膨脹變形:

無變形
No deformation



輕微膨脹變形
Slightly expanded deformation



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 (TAICHUNG)
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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
簽發日期: 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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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-T04
Application No
收件日期: 2015/11/03
Received Date
簽發日期: 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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報告簽署人:

RETENSION KNOB // PULLSTUD tensile test :

拉桿螺栓抗拉力測試:



RETENSION KNOB // PULLSTUD shear test:

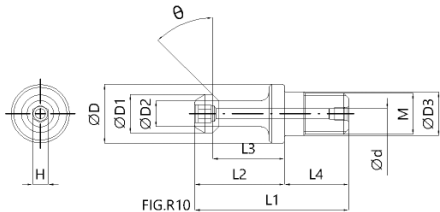
拉桿螺栓抗剪力測試:



supERgrip SGER & ER // RK & CT // RF RK-BT (PAT.)

RF防鏽鍍層RK拉桿螺栓

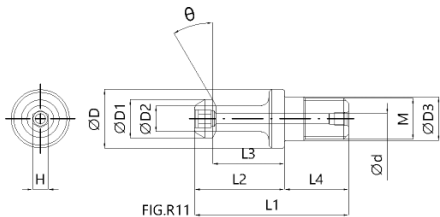
RF rust proof coating RK retention knobs / pullstuds



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
◎	RF 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

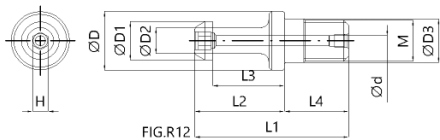
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request



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

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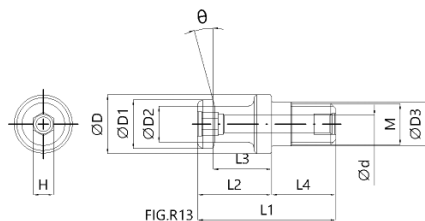


FIG.R13



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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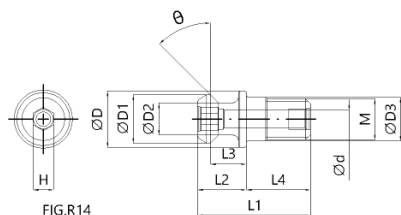


FIG.R14



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

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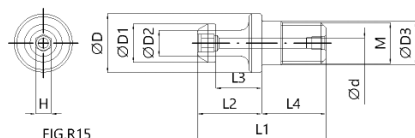


FIG.R15



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	

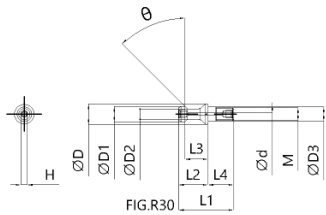
出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

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

supERgrip SGER & ER // RK & CT // RF RK-ISO (PAT.)

RF防鏽鍍層RK拉桿螺栓

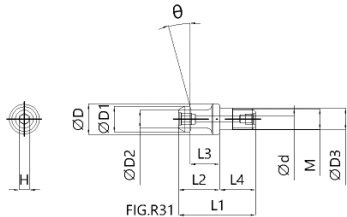
RF rust proof coating RK retention knobs / pullstuds



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
◎	RF 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

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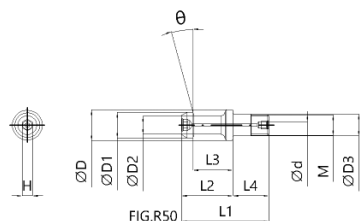


STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
◎	RF RKISO20BJ-15	R31	26.00	12.00	9.00	14.00	11.40	9.00	6.00	8.50	M8*P1.25	15°	2.5	3	0.03	D	
◎	RF RKISO25BJ-15	R31	30.00	16.00	11.50	14.00	12.00	10.00	7.00	8.50	M8*P1.25	15°	2.5	4	0.03	D	
	RF RKISO30-15	R31	44.00	24.00	19.00	20.00	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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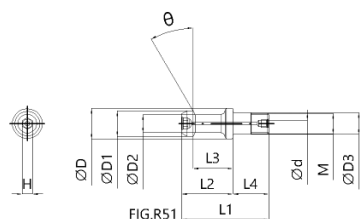
RF RKISO30-15 = RF RKSK30DIN69872-15



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	

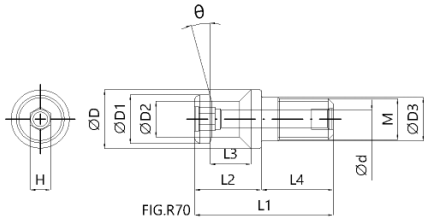
出貨附件為止水螺絲BK-RK-Mxx*1pc // PRODUCTS EQUIP WITH SEAL SCREW BK-RK-Mxx*1PC

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

supERgrip SGER & ER // RK & CT // RF RK-SK (PAT.)

RF防鏽鍍層RK拉桿螺栓

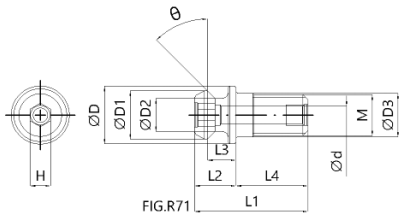
RF rust proof coating RK retention knobs / pullstuds



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
◎	RF 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

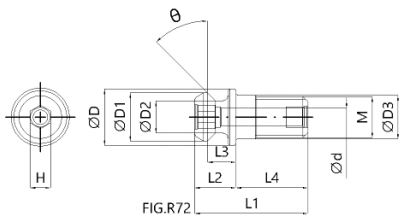
STOCK ◎=標準在庫品 // STOCK ◎=regular stock | STOCK ○=少量在庫品 // STOCK ○=few stock | STOCK 無標示=接單生產品 // STOCK BLANK=on request



STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF 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

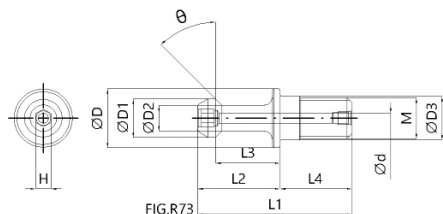
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RSK30ANSI-45YM	R72	31.70	11.70	8.15	20.00	16.25	13.20	9.78	13.00	M12*P1.75	45°	3.8	4	0.05	D	
	RF RSK40ANSI-45YM	R72	44.25	16.25	11.15	28.00	22.00	18.80	12.45	17.00	M16*P2.00	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

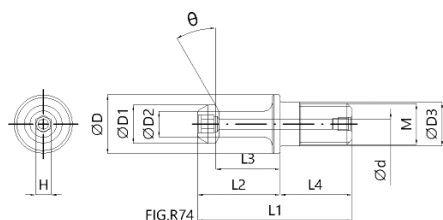
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RSKP30T1-45	R73	43.75	23.75	18.75	20.00	16.50	11.00	7.00	12.50	M12*P1.75	45°	2.5	4	0.05	D	
◎	RF RSKP40T1-45	R73	60.15	32.15	25.15	28.00	23.00	15.00	10.00	17.00	M16*P2.00	45°	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

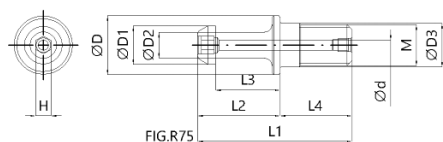
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RSKP30T2-30	R74	43.75	23.75	18.75	20.00	16.50	11.00	7.00	12.50	M12*P1.75	30°	2.5	4	0.05	D	
	RF RSKP40T2-30	R74	60.15	32.15	25.15	28.00	23.00	15.00	10.00	17.00	M16*P2.00	30°	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

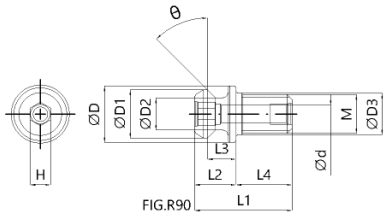
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RSKP30T3-90	R75	43.75	23.75	18.75	20.00	16.50	11.00	7.00	12.50	M12*P1.75	90°	2.5	4	0.05	D	
	RF RSKP40T3-90	R75	60.15	32.15	25.15	28.00	23.00	15.00	10.00	17.00	M16*P2.00	90°	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

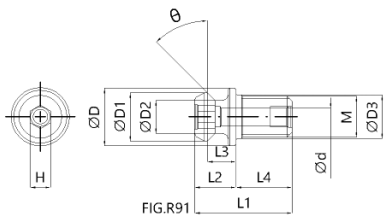
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCAT30ANSI-45	R90	1.10"	0.46"	0.32"	0.64"	0.65"	0.52"	0.39"	0.52"	UNC1/2"-13	45°	0.15"	4	0.05	D	
◎	RF RKCAT40ANSI-45	R90	1.50"	0.64"	0.44"	0.86"	0.87"	0.74"	0.49"	0.64"	UNC5/8"-11	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

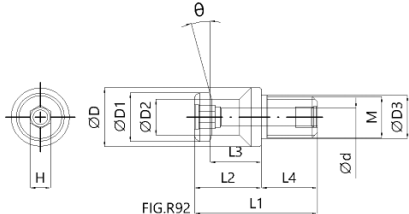
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCAT30ISO7388-2B-45	R91	1.10"	0.46"	0.32"	0.64"	0.65"	0.52"	0.36"	0.52"	UNC1/2"-13	45°	0.15"	4	0.05	D	
	RF RKCAT40ISO7388-2B-45	R91	1.50"	0.64"	0.44"	0.86"	0.87"	0.74"	0.50"	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

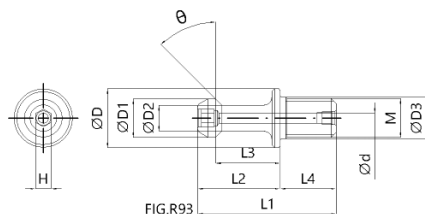
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCAT30DIN69872-15	R92	1.58"	0.94"	0.75"	0.64"	0.67"	0.51"	0.35"	0.52"	UNC1/2"-13	15°	0.15"	4	0.05	D	
◎	RF RKCAT40DIN69872-15	R92	1.88"	1.02"	0.79"	0.86"	0.89"	0.75"	0.51"	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

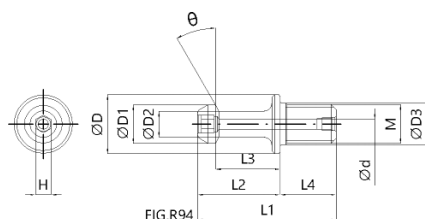
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCATP30T1-45	R93	1.57"	0.94"	0.74"	0.64"	0.65"	0.43"	0.28"	0.52"	UNC1/2"-13	45°	0.10"	4	0.05	D	
◎	RF RKCATP40T1-45	R93	2.13"	1.27"	0.99"	0.86"	0.91"	0.59"	0.39"	0.64"	UNC5/8"-11	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

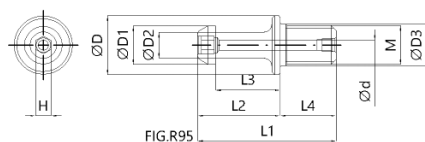
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STOCK	CODE	FIG.	L1	L2	L3	L4	ØD	ØD1	ØD2	ØD3	M	θ	Ød1	H	W(KG)	GROUP	REMARK
	RF RKCATP30T2-30	R94	1.57"	0.94"	0.74"	0.64"	0.65"	0.43"	0.28"	0.52"	UNC1/2"-13	30°	0.10"	4	0.05	D	
	RF RKCATP40T2-30	R94	2.13"	1.27"	0.99"	0.86"	0.91"	0.59"	0.39"	0.64"	UNC5/8"-11	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

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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

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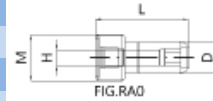
RF CT // HSK刀柄用RF防鏽鍍層固定式出水導管 // RF rust proof coating fixed type coolant tube for HSK toolholder

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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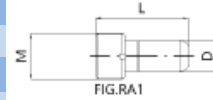
CT // HSK刀柄用活動式出水導管 // Flexible type coolant tube for HSK toolholder

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	

STOCK ◎=標準在庫品 // STOCK ◎=regular stock

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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(G)	GROUP	REMARK
◎	BK-NY-M02	0.5	D	
◎	BK-NY-M03	0.5	D	
◎	BK-NY-M04	1.0	D	
◎	BK-NY-M05	1.0	D	
◎	BK-NY-M06	1.0	D	
◎	BK-NY-M08	2.0	D	
◎	BK-NY-M10	3.0	D	
◎	BK-NY-M12	4.0	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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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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ER筒夾收納料盤 // ER collet tray

STOCK	CODE	W(KG)	GROUP	REMARK
◎	ER TRAY ER16	0.10	G	
◎	ER TRAY ER20	0.10	G	
◎	ER TRAY ER25	0.10	G	
◎	ER TRAY ER32	0.10	G	

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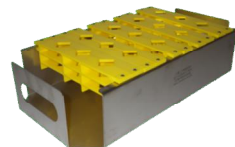
EZ彩色積木收納料盤 // EZ color blocks tray

STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ COLOR BLOCKS TRAY-ALL 04/20	0.30	G	
◎	EZ COLOR BLOCKS TRAY-04	0.30	G	
◎	EZ COLOR BLOCKS TRAY-06	0.30	G	
◎	EZ COLOR BLOCKS TRAY-08	0.30	G	
◎	EZ COLOR BLOCKS TRAY-10	0.30	G	
◎	EZ COLOR BLOCKS TRAY-12	0.30	G	
	EZ COLOR BLOCKS TRAY-14	0.30	G	
◎	EZ COLOR BLOCKS TRAY-16	0.30	G	
◎	EZ COLOR BLOCKS TRAY-20	0.20	G	
	EZ COLOR BLOCKS TRAY-1/8"	0.30	G	
	EZ COLOR BLOCKS TRAY-3/16"	0.30	G	
	EZ COLOR BLOCKS TRAY-1/4"	0.30	G	
	EZ COLOR BLOCKS TRAY-5/16"	0.30	G	
	EZ COLOR BLOCKS TRAY-3/8"	0.30	G	
	EZ COLOR BLOCKS TRAY-7/16"	0.30	G	
	EZ COLOR BLOCKS TRAY-1/2"	0.30	G	
	EZ COLOR BLOCKS TRAY-5/8"	0.30	G	
	EZ COLOR BLOCKS TRAY-3/4"	0.30	G	

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EZ變形變徑收納料盤 // EZ flexible tray

STOCK	CODE	W(KG)	GROUP	REMARK
◎	EZ FLEXIBLE TRAY	1.00	G	

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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	

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The bitterness of poor quality remains long after the sweetness of low price is forgotten.

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