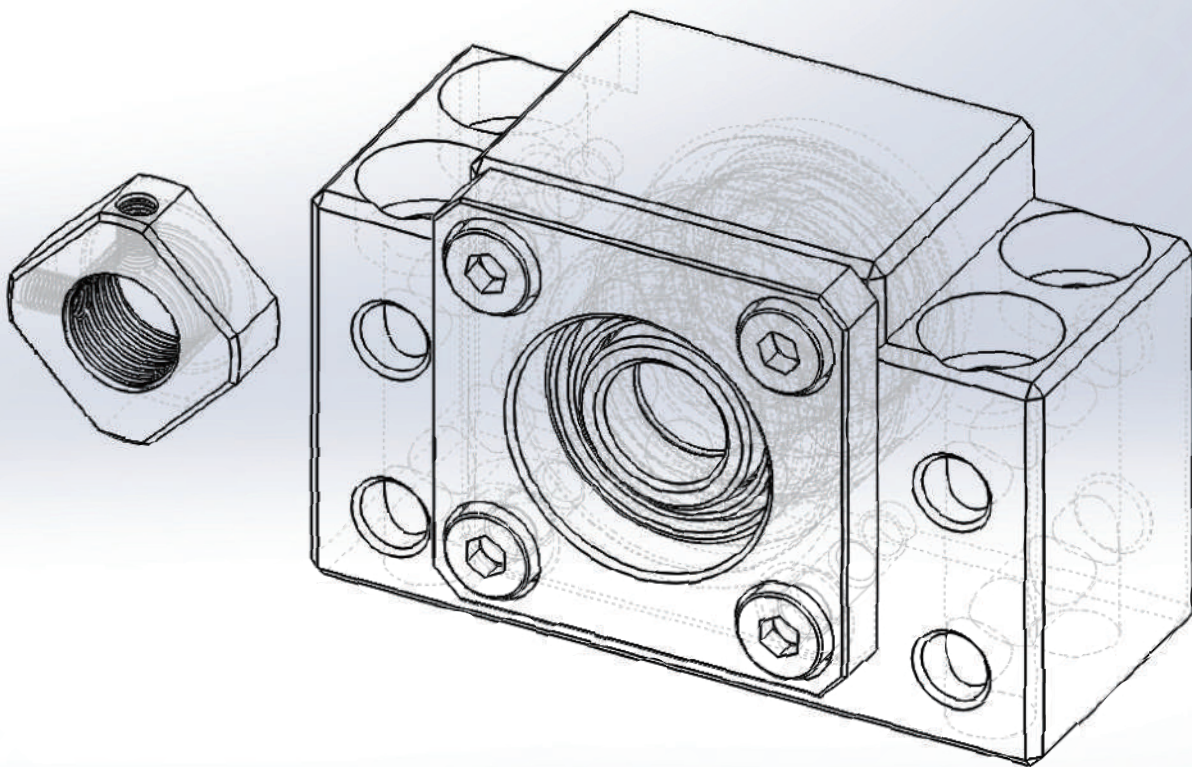


OAMG

BALL SCREW SUPPORT UNIT

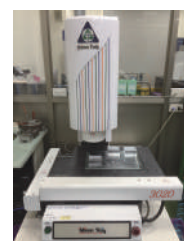
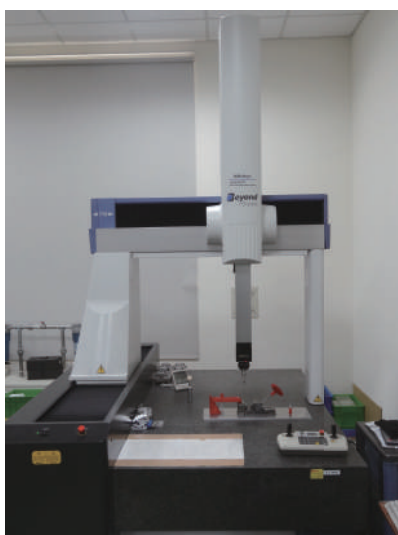


耀銀國際有限公司
WIN CHOICE INTERNATIONAL CO., LTD.

Company Introduction

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Our company provide a good quality, special skill and world connection production and set up a sales Marketing office in Taiwan, Our products suitable use in vehicle, CNC machine, automation equipment, electronic equipment and high quality shafts. We like to move with our customer of provided our "Sincere, Trust, Excellent, Accurate" and upgrade our self at all time to reach both win target in this market.



滾珠螺桿支撐座與搭配軸承(固定端)特性表

Bearings use with support units (fixed type)

適用 螺桿外徑 Fit ball screw	基本動負荷 Cr (kN)	基本靜負荷 Cor (kN)	極限轉速 (r/min)	軸承 代號 Bearing	適用型號 Fit model			
					固定端 Fix support		支持端 End support	
Ø8	2.28	0.93	85000	706 A	FK06	EK06	FF06	EF06
Ø10~Ø12	3.75	1.66	67000	708 A	FK08	EK08	FF06	EF08
Ø10~Ø15	4.05	2	56000	7000 A	BK10 EK10	FK10 AK10	BF10 EF10	FF10 AF10
Ø14~Ø18	4.55	2.5	50000	7001 A	BK12 EK12	FK12 AK12 MBC*12	BF12 EF12	FF12 AF12
Ø20	6	3.25	43000	7002 A	BK15 EK15	FK15 AK15	BF15 EF15	FF15 AF15
	12.5	6.65	17000	7302 A			AF15	
	20.5	27		15TAC 47B	JUCS15			
Ø25~Ø28	10.4	5.6	36000	7203 A	BK17	FK17	BF17	FF17
	10	5.7	32000	7004 A	BK20		BF20	AF20
	14	7.8	30000	7204 A	EK20	FK20 AK20 JUCF20	EF20	FF20 AF20
	11.3	7.7	15000	7204 B	EK20B	FK20B AK20B		
	20.8	43		20TAC 47B	JUCS20		BF20 EF20	FF20 AF20
Ø30~Ø36	15	9	26000	7205 A	BK25 JUC25	FK25 AK25	BF25	FF25 AF25
	14.8	10.2	12000	7205 B	BK25B	FK25B AK25B		
	29.5	68		25TAC 62B			BF25	FF25 AF25
Ø40	22	14	22000	7206 A	BK30	FK30	BF30	FF30
	20.5	13.5	11000	7206 B	BK30B	FK30B		
	27.5	66		30TAC 62B				
Ø45	27.1	18.4	9300	7207 B	BK35		BF35	
	31.5	81		35TAC 72B				
Ø50	32	23	8300	7208 B	BK40		BF40	
	29.5	82		40TAC 72B				

備註：

1. 安裝方式若採固定端 + 固定端，軸向負荷值須再*2

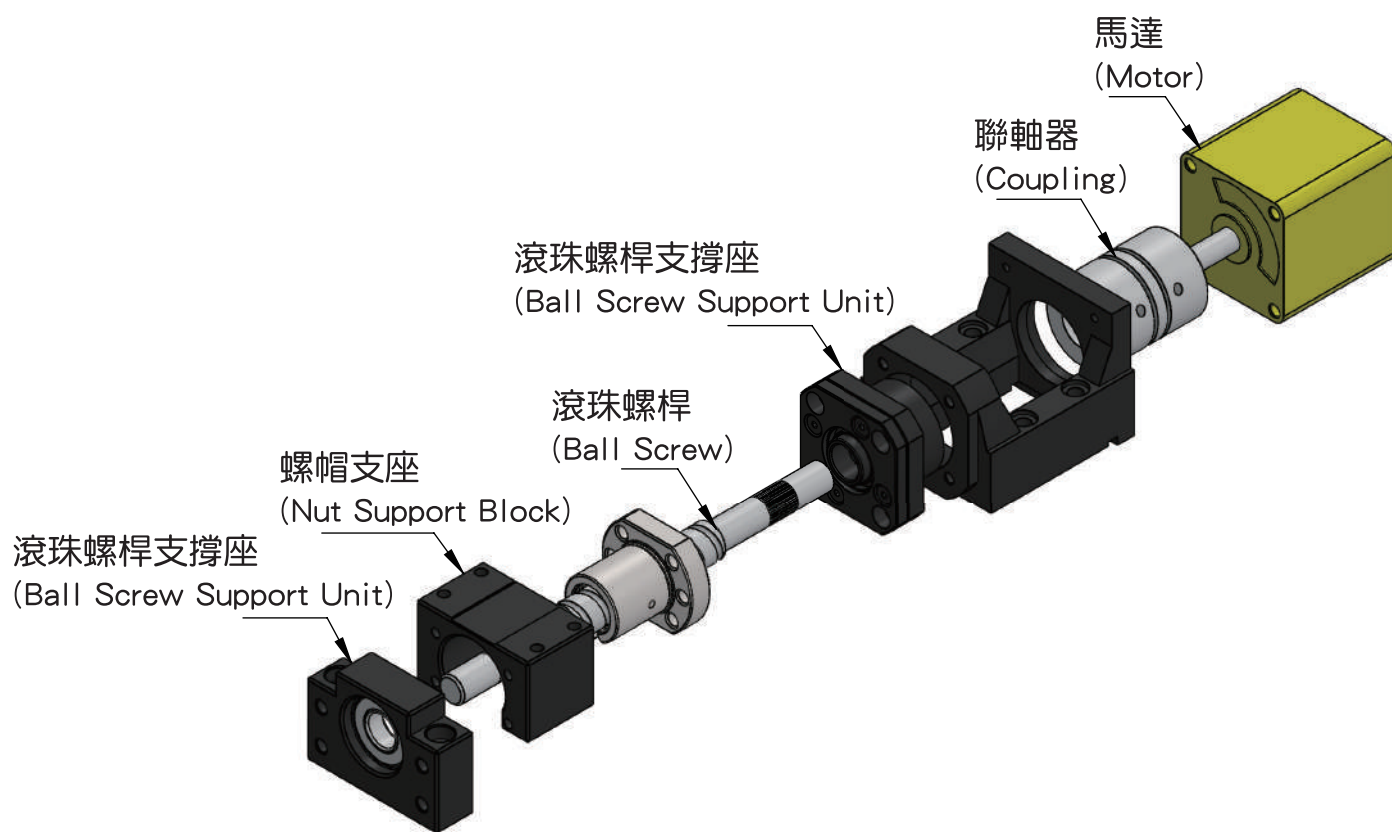
(軸向負荷及極限轉速欄數值，謹供參考，實際數值請參閱各廠牌軸承型錄)

If both side fitting use fixed type of support unit, the load of shaft have to x 2.

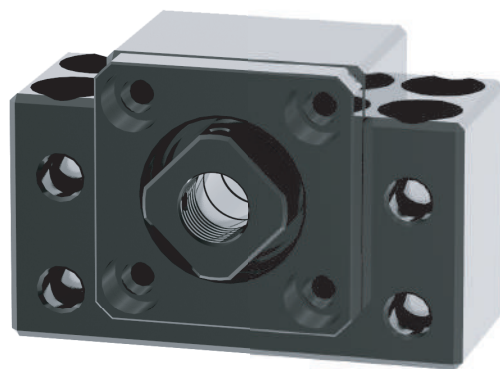
(For the load and speed of shaft data , please refer to standard ball bearing catalogue specification.)

滾珠螺桿支撐座系列

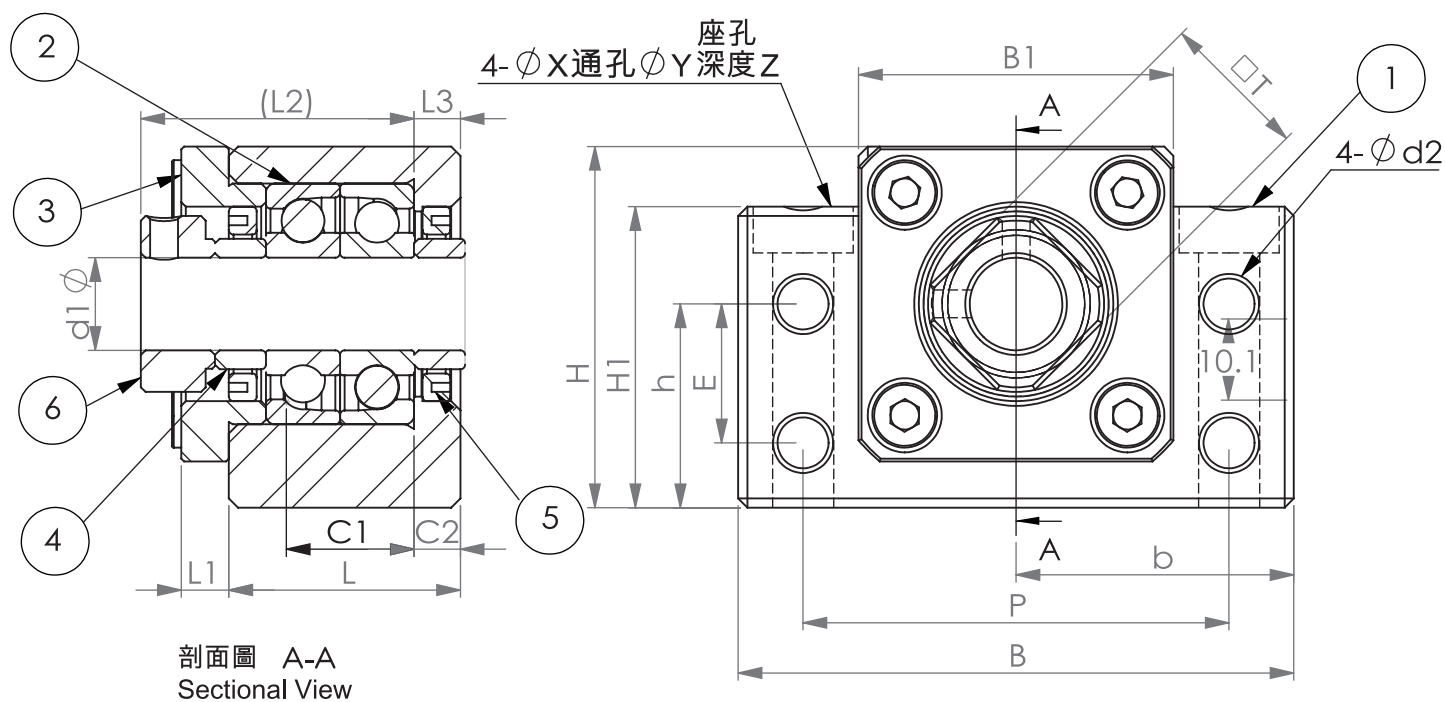
Ball Screw Support Unit Series



項次 Items	部品名稱 Part Name	數量 Quantity
1	軸承座本體 Support Unit	1
2	軸承 Bearing	1set
3	壓板 Holding lid	1
4	間隔圈 Speacer ring	2
5	軸封 Seal	2
6	鎖固螺帽 Locking nut	1set



表面處理：染黑
Surface treatment / Black Oxide



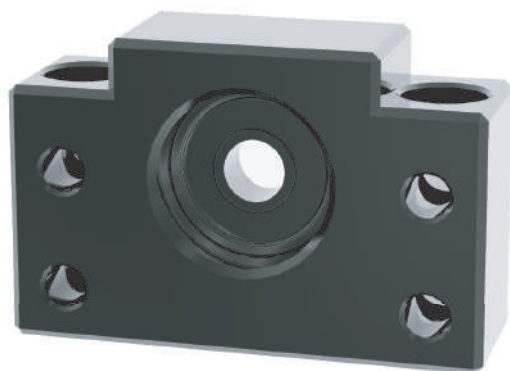
Unit : mm

型號 Model NO.	軸徑 d1	L	L1	L2	L3	B	H	b ±0.02	h ±0.02	B1	H1	E	P	C1	C2	d2	X	Y	Z	M	T	G	重量 Weight (Kgs)
BK10	10	25	5	29.5	5	60	39	30	22	34	32.5	15	46	13	6	5.5	6.6	10.8	5	M3	16	15	0.4
BK12	12	25	5	29.5	5	60	43	30	25	34	32.5	18	46	13	6	5.5	6.6	10.8	1.5	M4	19	18	0.41
BK15	15	27	6	32	6	70	48	35	28	40	38	18	54	15	6	5.5	6.6	11	6.5	M4	22	18	0.58
BK17	17	35	9	44	7	86	64	43	39	50	55	28	68	19	8	6.6	9	14	8.5	M4	24	30	1.3
BK20	20	35	8	43	8	88	60	44	34	52	50	22	70	19	8	6.6	9	14	8.5	M4	30	24	1.2
BK25	25	42	12	54	9	106	80	53	48	64	70	33	85	22	10	9	11	17	11	M6	35	37	2.35
BK30	30	45	14	61	9	128	89	64	51	76	78	33	102	23	11	11	14	20	13	M6	40	37	3.33
BK35	35	50	14	67	12	140	96	70	52	88	79	35	114	26	12	11	14	20	13	M6	50	37	4.4
BK40	40	61	18	76	15	160	110	80	60	100	90	37	130	33	14	14	18	26	17.5	M6	50	43	6.8

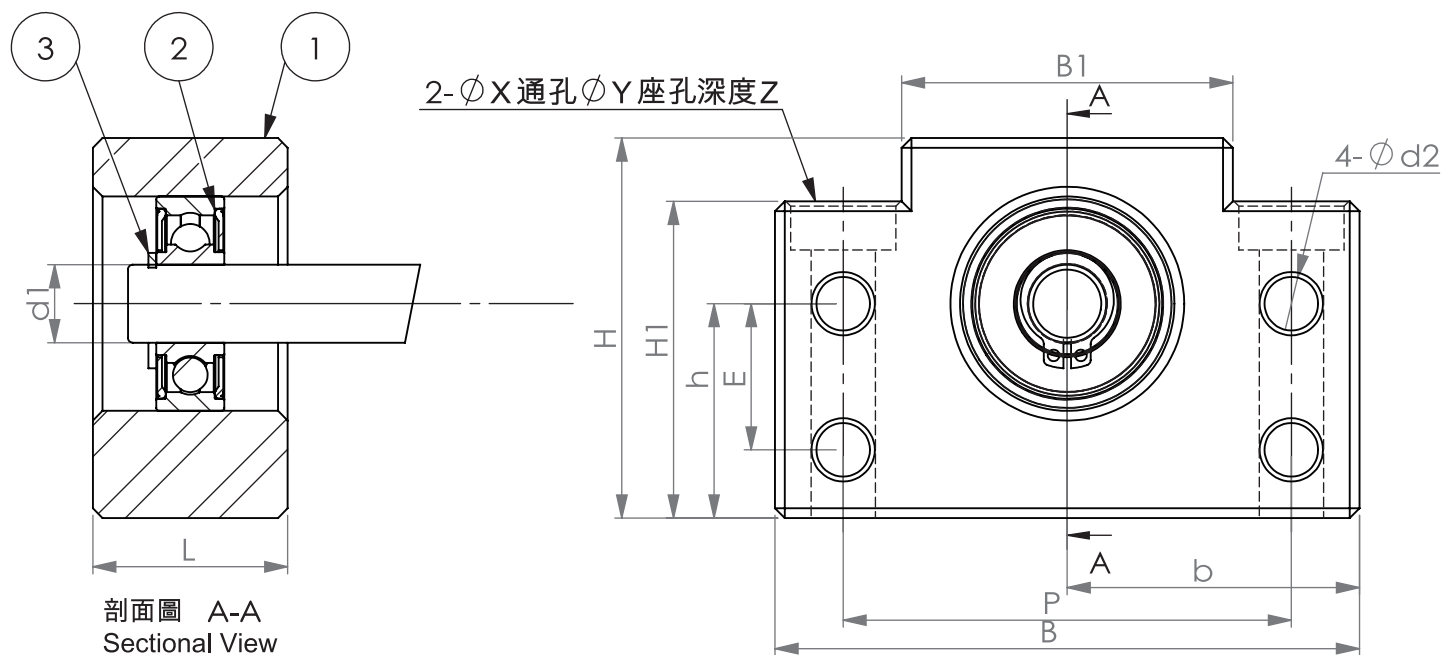
備註：使用瑞士JESA精密斜角配對軸承。

REMARK: Use JESA match pair for precision angular contact ball bearing.

項次 Items	部品名稱 Part Name	數量 Quantity
1	軸承座本體 Support Unit	1
2	軸承 Bearing	1pcs
3	C型扣環 C Circlip	1



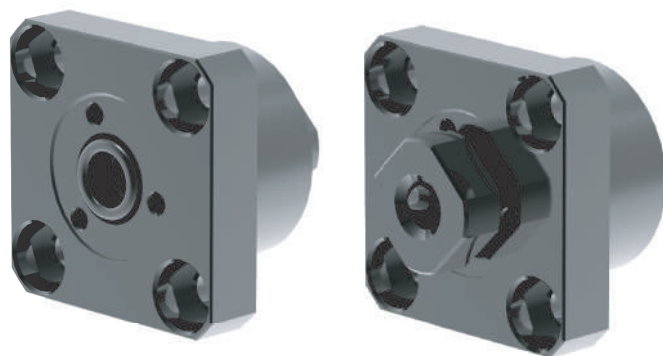
表面處理：染黑
Surface treatment / Black Oxide



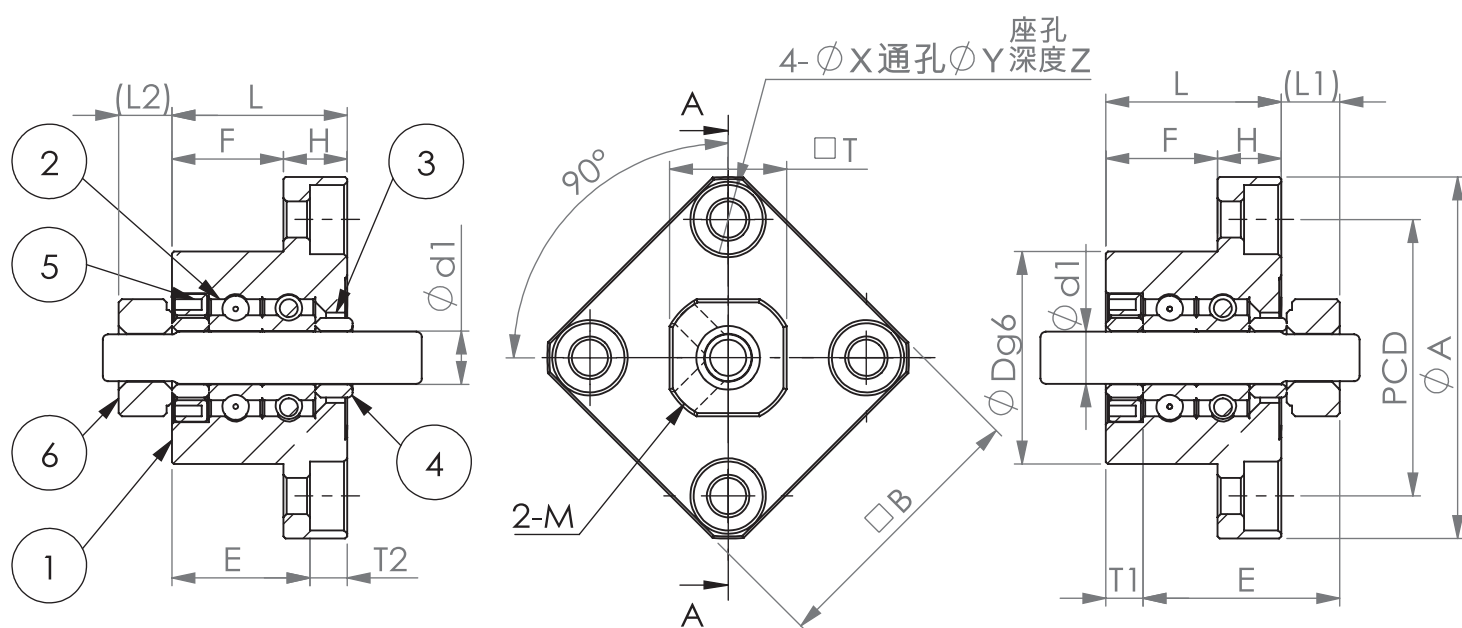
Unit : mm

型號 Model NO.	軸徑 d1	L	B	H	b ±0.02	h ±0.02	B1	H1	E	P	d2	X	Y	Z	使用軸承 Bearing Type	使用C型扣環 C Circlip	重量 Weight (Kgs)
BF10	8	20	60	39	30	22	34	32.5	15	46	5.5	6.6	10.8	5	608ZZ	S08	0.3
BF12	10	20	60	43	30	25	34	32.5	18	46	5.5	6.6	10.8	1.5	6000ZZ	S10	0.3
BF15	15	20	70	48	35	28	40	38	18	54	5.5	6.6	11	6.5	6002ZZ	S15	0.4
BF17	17	23	86	64	43	39	50	55	28	68	6.6	9	14	8.5	6203ZZ	S17	0.75
BF20	20	26	88	60	44	34	52	50	22	70	6.6	9	14	8.5	6004ZZ	S20	0.76
BF20H	20	26	88	74	44	48	52	64	-	70	-	9	14	8.5	6004ZZ	S20	1.02
BF25	25	30	106	80	53	48	64	70	33	85	9	11	17	11	6205ZZ	S25	1.43
SF25	25	32	128	89	64	51	76	78	-	102	-	14	20	13	6205ZZ	S25	-
BF30	30	32	128	89	64	51	76	78	33	102	11	14	20	13	6206ZZ	S30	1.94
BF35	35	32	140	96	70	52	88	79	35	114	11	14	20	13	6207ZZ	S35	2.25
SF40	40	32	140	96	70	52	88	79	-	114	-	14	20	13	6208ZZ	S40	-
BF40	40	37	160	110	80	60	100	90	37	130	14	18	26	17.5	6208ZZ	S40	3.3

項次 Items	部品名稱 Part Name	數量 Quantity
1	軸承座本體 Support Unit	1
2	軸承 Bearing	1set
3	壓板 Holding lid	1
4	間隔圈 Spacer ring	2
5	軸封 Seal	1
6	鎖固螺帽 Locking nut	1set



表面處理：染黑
Surface treatment / Black Oxide



裝配方法B
ASSEMBLE METHOD

裝配方法A
ASSEMBLE METHOD

Unit : mm

型號 Model NO.	軸徑 d1	L	H	F	E	Dg6	A	PCD	B	裝配方法 A L1 T1		裝配方法 B L2 T2		X	Y	Z	M	T	重量 Weight (Kgs)
FK05	5	16.5	6	10.5	18.5	20 ^{-0.007} _{-0.02}	34	26	26	5.5	3.5	5	3	3.4	6.5	4	M3	11	0.08
FK06	6	20	7	13	22	22 ^{-0.007} _{-0.02}	36	28	28	5.5	3.5	6.5	4.5	3.4	6.5	4	M3	12	0.1
FK08	8	23	9	14	26	28 ^{-0.007} _{-0.02}	43	35	35	7	4	8	5	3.4	6.5	4	M3	14	0.15

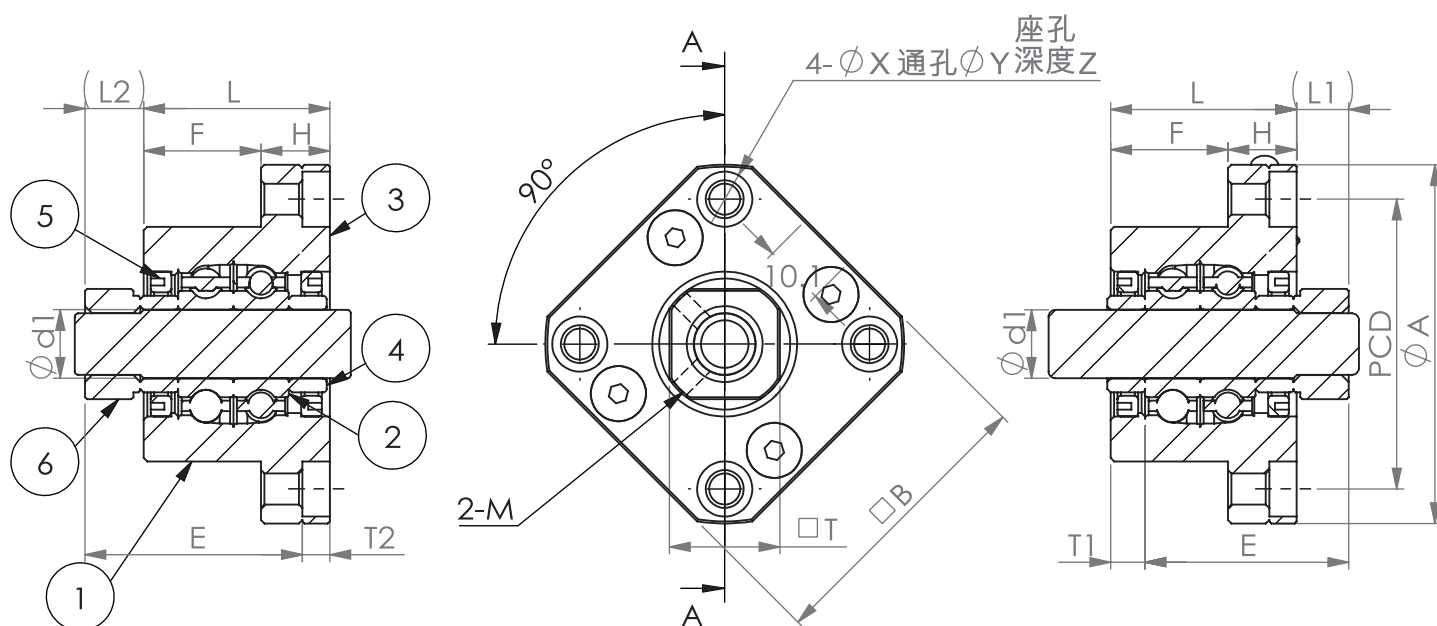
備註：使用瑞士JESA精密斜角配對軸承。

REMARK: Use JESA match pair for precision angular contact ball bearing.

項次 Items	部品名稱 Part Name	數量 Quantity
1	軸承座本體 Support Unit	1
2	軸承 Bearing	1set
3	壓板 Holding lid	1
4	間隔圈 Spacer ring	2
5	軸封 Seal	2
6	鎖固螺帽 Locking nut	1set



表面處理：染黑
Surface treatment / Black Oxide



裝配方法B
ASSEMBLE METHOD

裝配方法A
ASSEMBLE METHOD

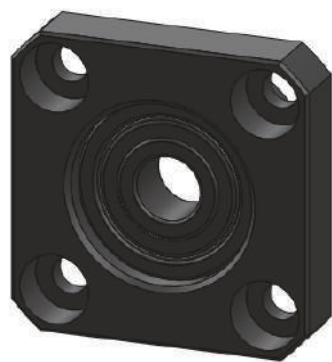
Unit : mm

型號 Model NO.	軸徑 d1	L	H	F	E	Dg6	A	PCD	B	裝配方法 A L1 T1		裝配方法 B L2 T2		X	Y	Z	M	T	G	重量 Weight (Kgs)
FK10	10	27	10	17	29.5	³⁴ -0.009 -0.025	52	42	42	7.5	5	8.5	6	4.5	8	4	M3	16	-	0.23
FK12	12	27	10	17	29.5	³⁶ -0.009 -0.025	54	44	44	7.5	5	8.5	6	4.5	8	4	M4	19	-	0.25
FK15	15	32	15	17	36	⁴⁰ -0.009 -0.025	63	50	52	10	6	12	8	5.5	9.5	6	M4	22	26	0.39
FK17	17	45	22	23	47	⁵⁰ -0.009 -0.025	77	62	61	11	9	14	12	6.6	11	10	M4	24	30.5	0.81
FK20	20	52	22	30	50	⁵⁷ -0.010 -0.029	85	70	68	8	10	12	14	6.6	11	10	M4	30	34	1.02
FK25	25	57	27	30	59	⁶³ -0.010 -0.029	98	80	79	13	10	20	17	9	15	13	M5	35	39.5	1.48
FK30	30	60	30	32	61	⁷⁵ -0.010 -0.029	117	95	93	11	12	17	18	11	17.5	15	M6	40	46.5	2.32

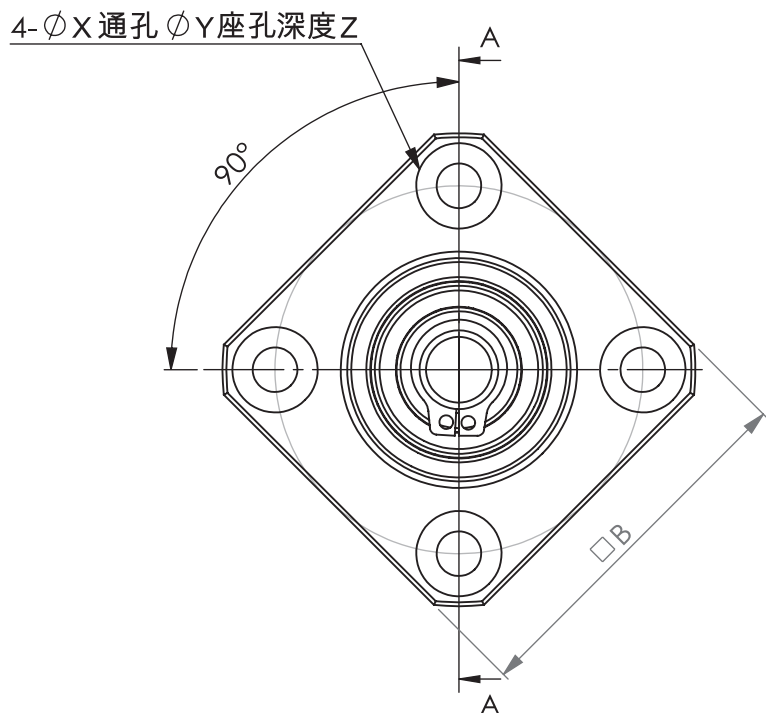
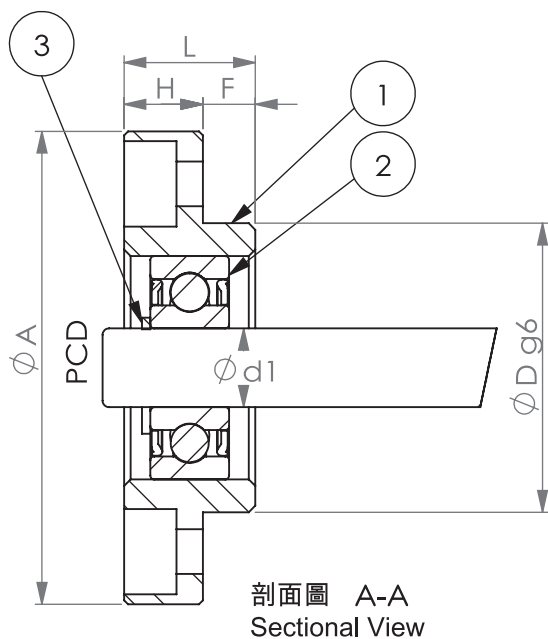
備註：使用瑞士JESA精密斜角配對軸承。

REMARK: Use JESA match pair for precision angular contact ball bearing.

項次 Items	部品名稱 Part Name	數量 Quantity
1	軸承座本體 Support Unit	1
2	軸承 Bearing	1pcs
3	C型扣環 C Circlip	1



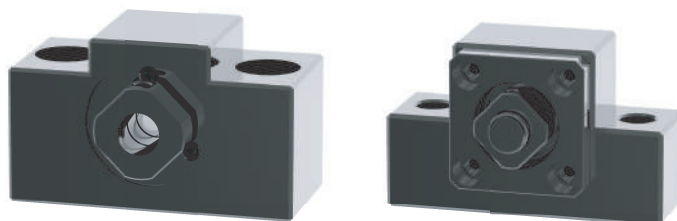
表面處理：染黑
Surface treatment / Black Oxide



Unit : mm

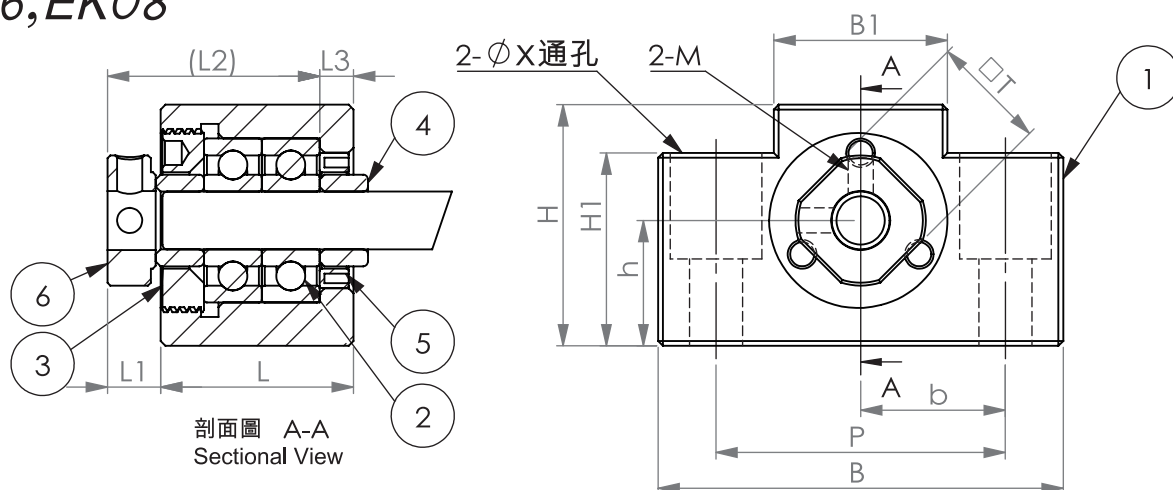
型號 Model NO.	軸徑 d1	L	H	F	Dg6	A	PCD	B	X	Y	Z	使用軸承 Bearing Type	使用C型扣環 C Circlip	重量 Weight (Kgs)
FF06	6	10	6	4	$22_{-0.007}^{-0.02}$	36	28	28	3.4	6.5	4	606ZZ	S06	0.06
FF10	8	12	7	5	$28_{-0.007}^{-0.02}$	43	35	35	3.4	6.5	4	608ZZ	S08	0.1
FF12	10	15	7	8	$34_{-0.009}^{-0.025}$	52	42	42	4.5	8	4	6000ZZ	S10	0.13
FF15	15	17	9	8	$40_{-0.009}^{-0.025}$	63	50	52	5.5	9.5	5.5	6002ZZ	S15	0.2
FF17	17	20	11	9	$50_{-0.009}^{-0.025}$	77	62	61	6.6	11	6.5	6203ZZ	S17	0.33
FF20	20	20	11	9	$57_{-0.010}^{-0.029}$	85	70	68	6.6	11	6.5	6204ZZ	S20	0.43
FF25	25	24	14	10	$63_{-0.010}^{-0.029}$	98	80	79	9	14	8.5	6205ZZ	S25	0.66
FF30	30	27	18	9	$75_{-0.010}^{-0.029}$	117	95	93	11	17	11	6206ZZ	S30	1.03

項次 Items	部品名稱 Part Name	數量 Quantity
1	軸承座本體 Support Unit	1
2	軸承 Bearing	1set
3	壓板 Holding lid	1
4	間隔圈 Spacer ring	2
5	軸封 Seal	1(2)
6	鎖固螺帽 Locking nut	1

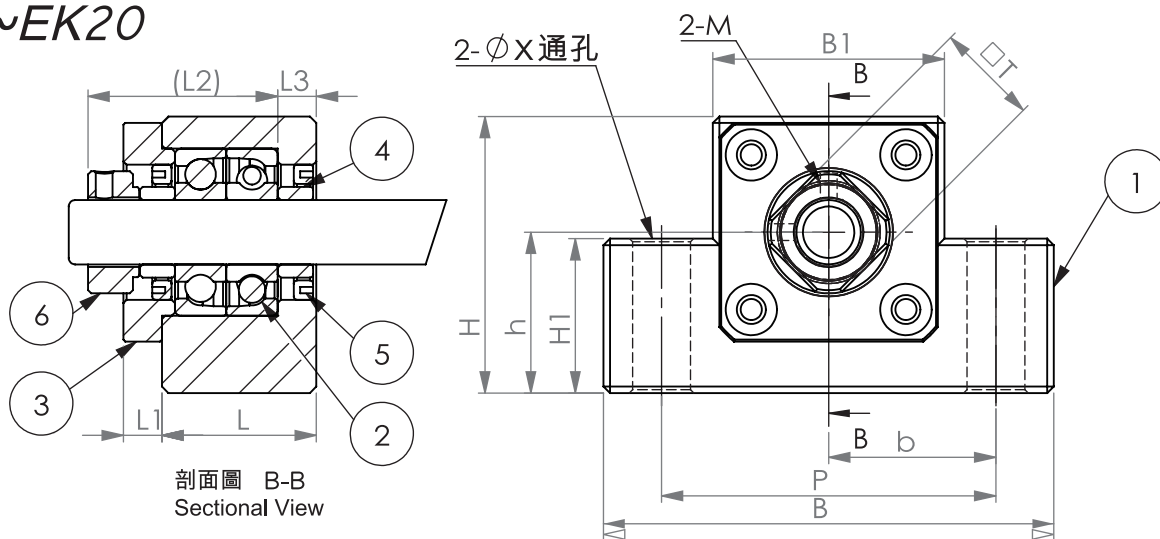


表面處理：染黑
Surface treatment / Black Oxide

EK06, EK08



EK10~EK20



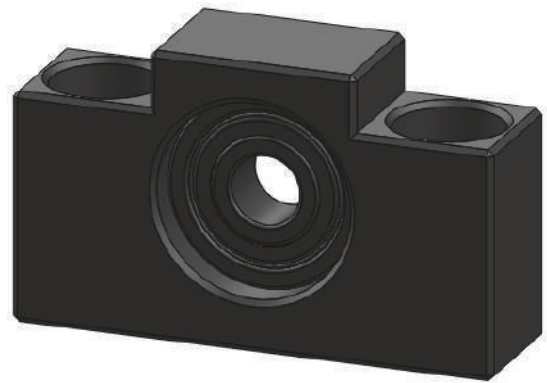
Unit : mm

型號 Model NO.	軸徑 d1	L	L1	L2	L3	B	H	b ±0.02	h ±0.02	B1	H1	P	X	Y	Z	M	T	重量 Weight (Kgs)
EK06	6	20	5.5	22	3.5	42	25	21	13	18	20	30	5.5	9.5	11	M3	12	0.15
EK08	8	23	7	26	4	52	32	26	17	25	26	38	6.6	11	12	M3	14	0.26
EK10-1	10	24	6	29.5	6	65	43	32.5	21	36	20	52	6.6	-	-	M3	16	0.45
EK10	10	24	6	29.5	6	70	43	35	25	36	24	52	9	-	-	M3	16	0.45
EK12	12	24	6	29.5	6	70	43	35	25	36	24	52	9	-	-	M4	19	0.44
EK15	15	25	6	36	5	80	49	40	30	41	25	60	11	-	-	M4	22	0.56
EK20	20	42	10	50	10	95	58	47.5	30	56	25	75	11	-	-	M4	30	1.34

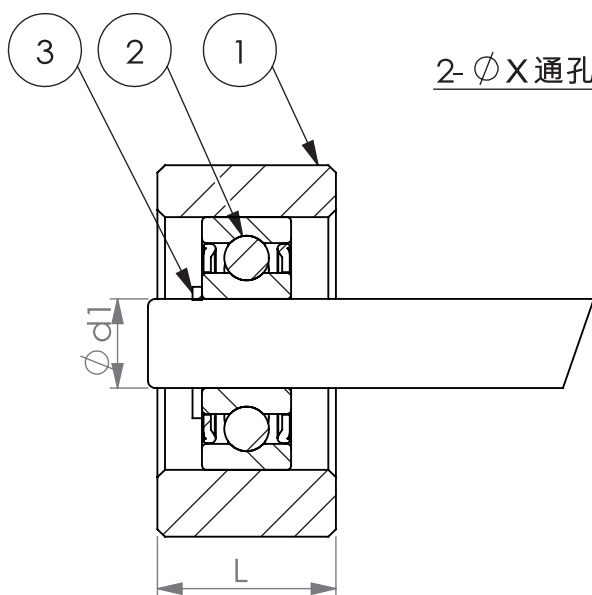
備註：使用瑞士JESA精密斜角配對軸承。

REMARK: Use JESA match pair for precision angular contact ball bearing.

項次 Items	部品名稱 Part Name	數量 Quantity
1	軸承座本體 Support Unit	1
2	軸承 Bearing	1pcs
3	C型扣環 C Circlip	1

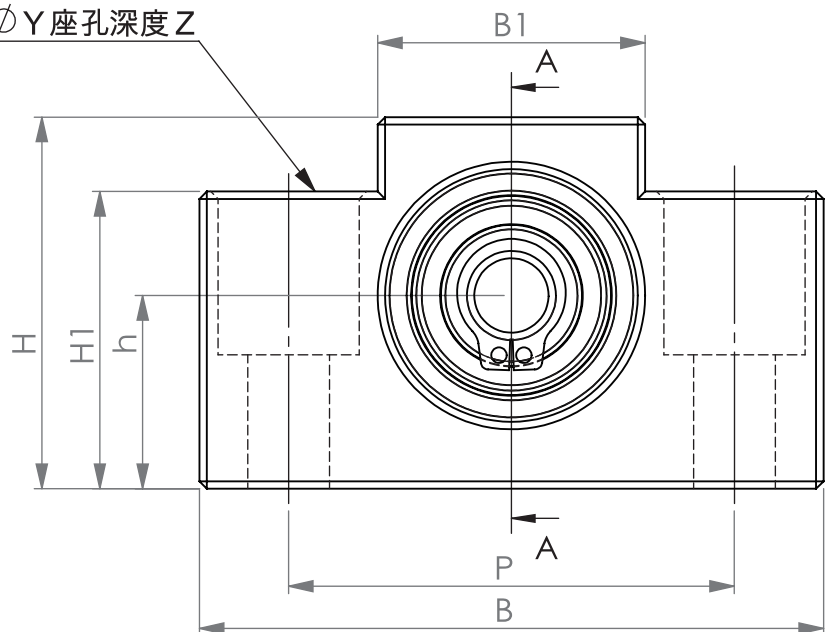


表面處理：染黑
Surface treatment / Black Oxide



剖面圖 A-A
Sectional View

2- ϕ X 通孔 ϕ Y 座孔深度 Z

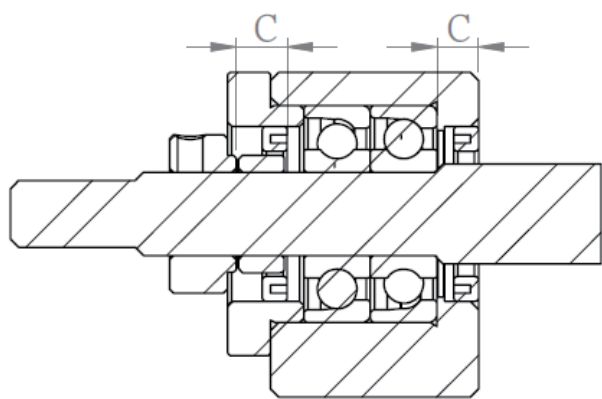


Unit : mm

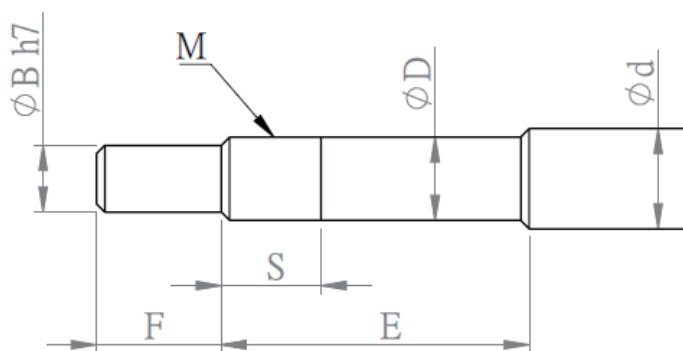
型號 Model NO.	軸徑 d1	L	B	H	b ± 0.02	h ± 0.02	B1	H1	P	X	Y	Z	使用軸承 Bearing Type	使用C型扣環 C Circlip	重量 Weight (Kgs)
EF06	6	12	42	25	21	13	18	20	30	5.5	9.5	11	606ZZ	S06	0.1
EF08	6	14	52	32	26	17	25	26	38	6.6	11	12	606ZZ	S06	0.15
EF10	8	20	70	43	35	25	36	24	52	9	-	-	608ZZ	S08	0.33
EF12	10	20	70	43	35	25	36	24	52	9	-	-	6000ZZ	S10	0.32
EF15	15	20	80	49	40	30	41	25	60	9	-	-	6002ZZ	S15	0.38
EF20	20	26	95	58	47.5	30	56	25	75	11	-	-	6204ZZ	S20	0.64

Recommended Shaft End Shape

建議軸端尺寸(固定端) – BK
For Support Unit Type BK Fixed Side



BK型

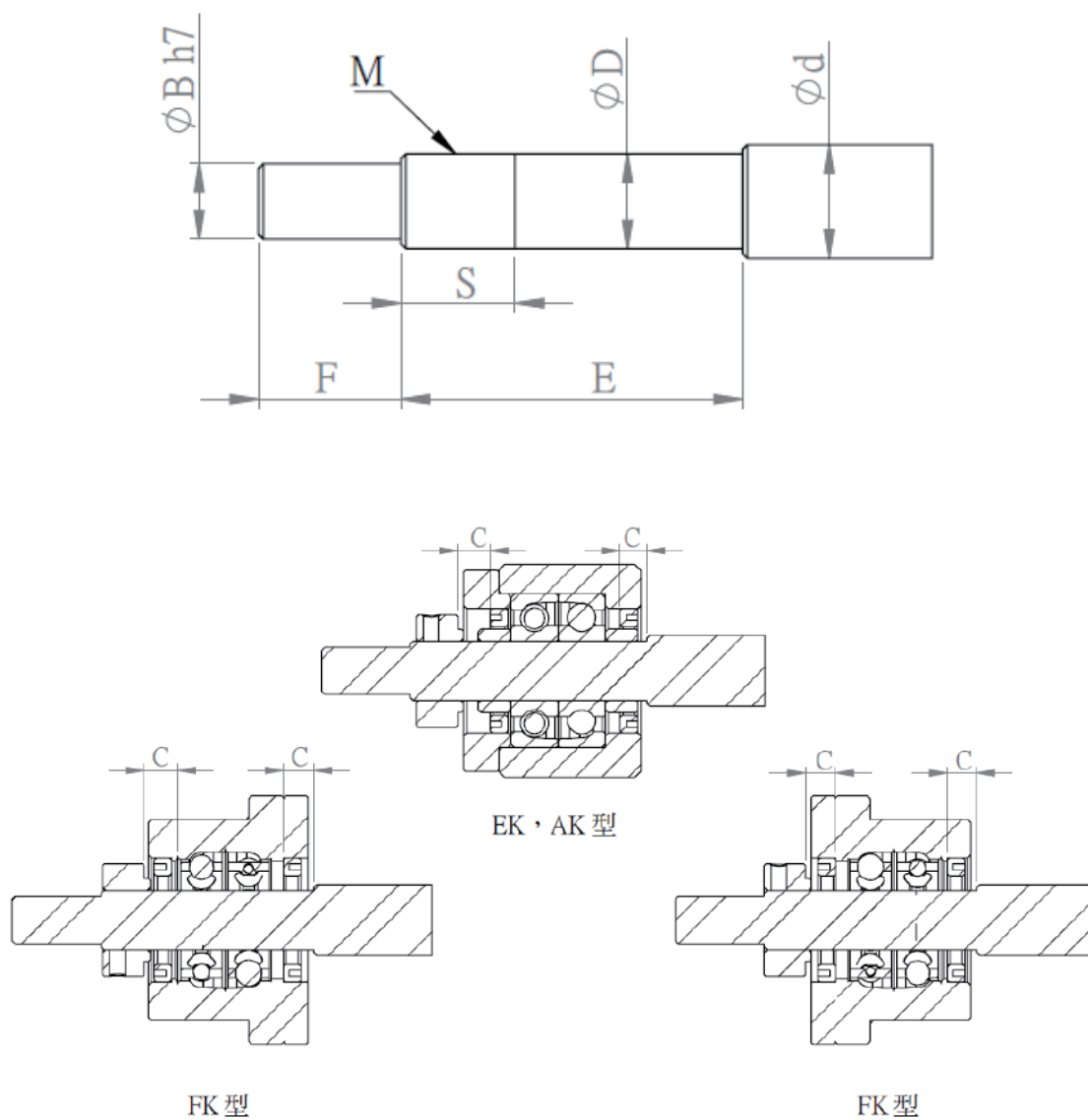


型號	滾珠螺桿軸外徑	軸端部外徑				公稱螺紋		套筒長度
Model No.	d	D	B	E	F	M	S	C
BK10	Ø12 Ø14 Ø15	10	8	40	15	M10*1	16	5.5
BK12	Ø14 Ø15 Ø16	12	10	39	15	M12*1	14	5.5
BK15	Ø18 Ø20	15	12	40	20	M15*1	12	6
BK17	Ø20 Ø25	17	15	53	23	M17*1	17	7
BK20	Ø25 Ø28	20	17	53	25	M20*1	15	8
BK25	Ø32 Ø36	25	20	64	30	M25*1.5	18	9
BK30	Ø36 Ø40	30	25	72	38	M30*1.5	25	9
BK35	Ø45	35	30	83	45	M35*1.5	28	12
BK40	Ø50	40	35	98	50	M40*1.5	35	15

Recommended Shaft End Shape

建議軸端尺寸(固定端) – FK、EK、AK

For Support Unit Type FK and EK and AK Fixed Side

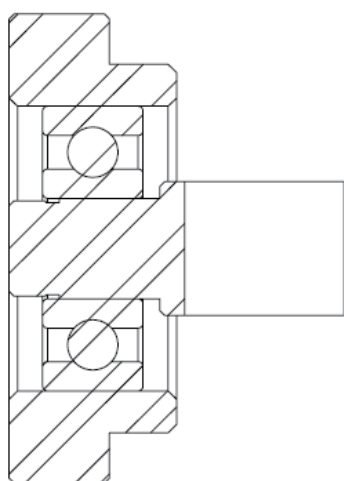
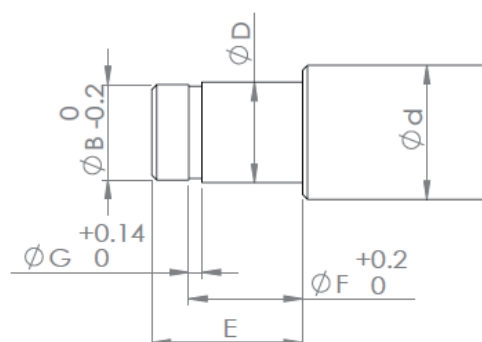


型號			滾珠螺桿軸外徑	軸端部外徑				公稱螺紋		套筒長度
Model No.			d	D	B	E	F	M	S	C
FK05	-	-	Ø8	5	4	23	6	M5*0.5	7	3.5
FK06	EK06	-	Ø8	6	4	28	8	M6*0.75	10	5
FK08	EK08		Ø10 Ø12	8	6	33	9	M8*1	10	5.5
FK10	EK10	AK10	Ø12 Ø14 Ø15	10	8	36	15	M10*1	11	5.5
FK12	EK12	AK12	Ø14 Ø15 Ø16	12	10	36	15	M12*1	11	5.5
FK15	EK15	AK15	Ø18 Ø20	15	12	49	20	M15*1	13	10
FK17	-	-	Ø20 Ø25	17	15	59	23	M17*1	16	10
FK20	EK20	AK20	Ø25 Ø28 Ø30	20	17	64	25	M20*1	16	11
FK25	-	AK25	Ø30 Ø32 Ø36	25	20	76	30	M25*1.5	20	14
FK30	-		Ø36 Ø40	30	25	72	38	M30*1.5	25	9

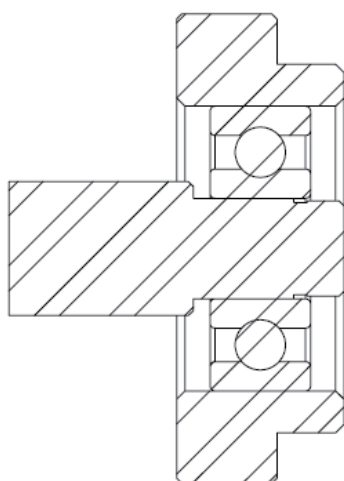
Recommended Shaft End Shape

建議軸端尺寸(支持側) — FF、EF、BF、AF

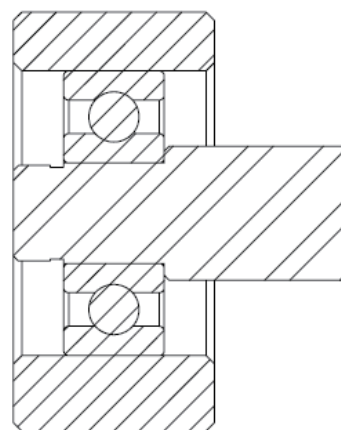
For Support Unit Type FF and EF and BF and AF Floated Side



FF型



FF型



EF, BF, AF 型

型號				滾珠螺桿軸外徑	軸端部外徑				
Model No.									
FF型	EF型	BF型	AF型	D	D	E	B	F	G
FF06	EF06	-	-	Ø8	6	9	5.7	6.8	0.8
-	EF08	-	-	Ø10	6	9	5.7	6.8	0.8
FF10	EF10	BF10	AF10	Ø12 Ø14 Ø15	8	10	7.6	7.9	0.9
FF12	EF12	BF12	AF12	Ø14 Ø15 Ø16	10	11	9.6	9.15	1.15
FF15	EF15	BF15	AF15	Ø18 Ø20	15	13	14.3	10.15	1.15
FF17	-	BF17	-	Ø20 Ø25	17	16	16.2	13.15	1.15
-	-	BF20	-	Ø25 Ø28 Ø30	20	16	19	13.35	1.35
FF20	EF20	-	AF20			19		15.35	
FF25	-	BF25	AF25	Ø30 Ø32 Ø36	25	20	23.9	16.35	1.35
FF30	-	BF30	-	Ø36 Ø40	30	21	28.6	17.75	1.75
-	-	BF35	-	Ø40 Ø45	35	22	33	18.75	1.75
-	-	BF40	-	50	40	23	38	19.95	1.95



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