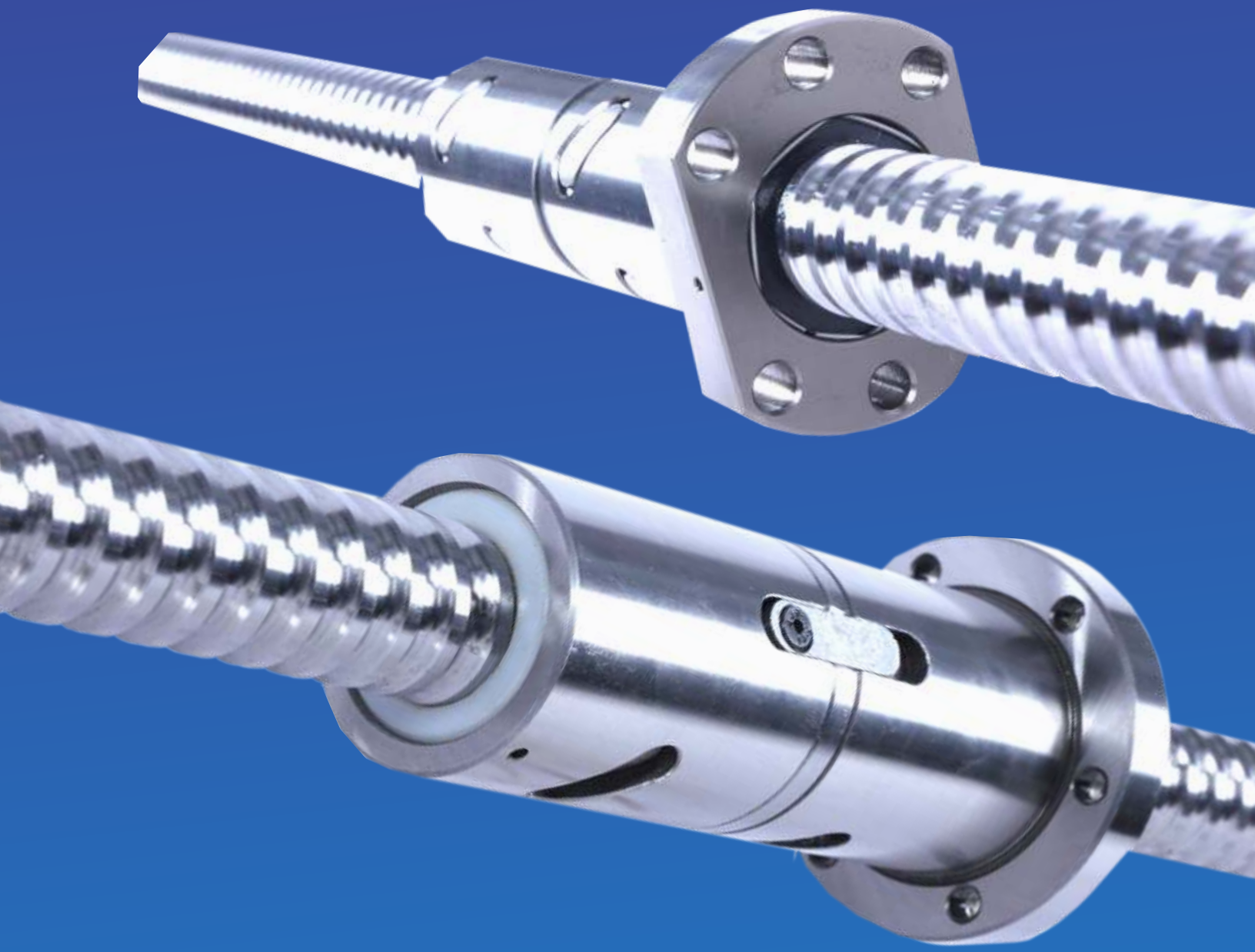
PMK

PRECISION BALLSCREWS



PRECISION MACHINEKRAFT PVT LTD

PRECISION MACHINEKRAFT PVT LTD

Precision Machinekraft is a unique organisation having more than 5 decades of experience in Machine Tool industry

We are a Leading manufacturers of

· Precision High frequency Spindles for Turning, Milling, Drilling and Grinding application
· Precision Ground and Rolled Ballscrew from 8mm dia to 140mm dia and 6 meter long as per C2, C3, C5 and C7 class of accuracy
· Precision Roller Screw upto 3 meter long
· NC Rotary tables from 170mm dia till 4500mm with pneumatic and hydraulic clamping
· Indexing table, Production system, Tilting rotary table and Automatic Pallet Changer
· Tail Stock, Tail support with Pneumatic / hydraulic Clamping system
· Precision ground Locknut
· Precision Bearings like Taper Roller, Cross Roller, Double Row Angular Contact, Thrust Bearing, Wire race Bearing and slewing Bearing
· Special / Customised CNC machines

Defence Segment

· Linear Elevation Actuators
· Outriggers
· Mast – Pneumatic / Electro-Mechanical
· Frangible Mast
· Gimble

We are also into reconditioning activity for Precision Spindles, Ballscrew, Bearings and Rotary tables of any manufacturer across the globe.

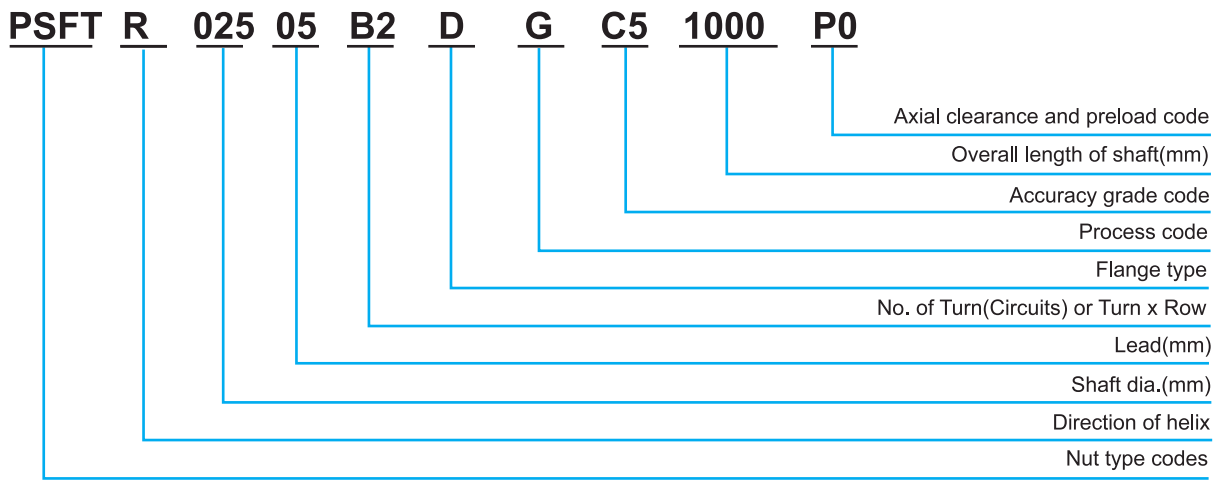
Plant 1



Plant 2



Ball Screw Designation



Nut type codes

PS	S :	Single nut	F	F :	With flange	T	T :	T type nut
							I :	I type nut
							D :	D type nut
	D :	Double nut		C :	Without flange		E :	E type nut
							K :	K type nut
							U :	U DIN nut

(PSFI, PDFI, PSFT, PDFT, PSFE, PSFK)

Direction of helix

R :	Right
L :	Left

No. of Turn (Circuits) or Turn x Row

Turn	T:	1
	A:	1.5 (or 1.7)
	B:	2.5
	C:	3.5

ex : (B2=2.5x2)

Flange type

N:	Cylindrical
PS:	One side Cut
D:	Both sides Cut

Process code

G:	Ground
R:	Rolled

Accuracy grade code

C0	C1	C2	C3	C5	C7	C10

Axial clearance and preload code

P0	P1	P2	P3	P4

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Technical Information

Mean Travel Deviation (±E) and Travel Varition(e) (JIS B 1192)

unit:μm

Travel Length (mm) Over	incl	Grade C0 ±E	C0 e	C1 ±E	C1 e	C2 ±E	C2 e	C3 ±E	C3 e	C5 ±E	C5 e	C7 e300	C10 e300
	100	3	3	3.5	5	5	7	8	8	18	18		
100	200	3.5	3	4.5	5	7	7	10	8	20	18		
200	315	4	3.5	6	5	8	7	12	8	23	18		
315	400	5	3.5	7	5	9	7	13	10	25	20		
400	500	6	4	8	5	10	7	15	10	27	20		
500	630	6	4	9	6	11	8	16	12	30	23		
630	800	7	5	10	7	13	9	18	13	35	25		
800	1000	8	6	11	8	15	10	21	15	40	27		
1000	1250	9	6	13	9	18	11	24	16	46	30		
1250	1600	11	7	15	10	21	13	29	18	54	35	±50 / 300mm	±210 / 300mm
1600	2000			18	11	25	15	35	21	65	40		
2000	2500			22	13	30	18	41	24	77	46		
2500	3150			26	15	36	21	50	29	93	54		
3150	4000			30	18	44	25	60	35	115	65		
4000	5000					52	30	72	41	140	77		
5000	6300					65	36	90	50	170	93		
6300	8000							110	60	210	115		
8000	10000									260	140		
10000	12500									320	170		

Variation per 300mm (e300)and Wobble Error (e2π)(JIS B 1192)

unit:μm

Grade	C0	C1	C2	C3	C5	C7	C10
e_{300}	3.5	5	7	8	18	50	210
$e_{2\pi}$	2.5	4	5	6	8		

Combination of Accuracy Grade, Preload and Axial Play

Grade	P0	P1	P2	P3	P4
Axial Play	Yes	No	No	No	No
Preload	No	No	Light	Medium	Heavy

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Guidelines for selecting Accuracy, Preload, Axial Play, Nut and Screw shaft.

Accuracy	Preload and Axial Play	Nut Type	Screw shaft Type
C10	P0(With Axial Play)	Single Nut	Rolled screw shaft
C7	Rolled : P0 Ground :P1	Rolled : single nut Ground : According to PMK Catalogues	Rolled or Ground
C5	P1 or P2(Standard)	Ground : According to PMK Catalogues	Ground screw shaft with lead error inspection certificate
C3	P1 or P2(Standard) or P3	Ground : According to PMK Catalogues	Ground screw shaft with lead error inspection certificate

Axial Play (P0) Clearance in the Axial Direction of the Rolled and Ground Ball Screw

Screw Shaft OD	Rolled Ball Screw Clearance in the Axial Direction(max.)	Ground Ball Screw Clearance in the Axial Direction (max.)
04-14 miniature ball screw	0.05	0.015
15-40 middle size of ball screw	0.08	0.025
50-100 big size of ball screw	0.12	0.05

unit:mm

Spring Force of Light Preload (P2)

Model No.	Single Nut (kg)	Double Nut (kg)
1605	0.1～0.3	0.3～0.6
2005	0.1～0.3	0.3～0.6
2505	0.2～0.5	0.3～0.6
3205	0.2～0.5	0.5～0.8
4005	0.2～0.5	0.5～0.8
2510	0.2～0.5	0.5～0.8
3210	0.3～0.6	0.5～0.8
4010	0.3～0.6	0.5～0.8
5010	0.3～0.6	0.8～1.2
6310	0.6～1.0	0.8～1.2
8010	0.6～1.0	0.8～1.2

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Cautions About Use of Ball Screws

Lubrication

Adequate lubrication must be provided when ball screw is used, insufficient lubrication will result in contact of metal, which in turn leads to increase of friction and friction loss, thus cause failure or shortening of service life.

Lubricants applied to ball screws can be divided into 2 types,namely lubricating oil and consistent grease. In general speaking, in respect of maintenance, consistent grease will lead to increase of dynamic friction torque linearly along with increase of rotating speed, hence oil lubrication is deemed the better way when speed exceeds 3-5 m/min; however, don't forget the fact that there have been examples that using grease has been capable of achieving speed of 10 m/min, with respect to the equipment.

Inspection of lubrication and interval of refill

Method	Interval	Check Item	Replenish or Change Interval
Auto. Intermittent oil supply	Weekly	Oil level, contamination	Add at each check, as required depending on tank level
Grease	initially 2-3 months	Contamination on entry of chip	Replenish yearly or according to the inspection results
Oil bath	Daily	Oil level	To be determined according to consumption

Contaminant Prevention

Any foreign matter or water, if allowed to enter the ball screw, may increase friction and cause damage.

For example, the entry of chips or cutting oil may be expected with machine tools depending on the work environment. Where entry of foreign matter is anticipated, use a bellows or telescopic cover as shown in Fig. 5.1, to cover the screw shaft completely.

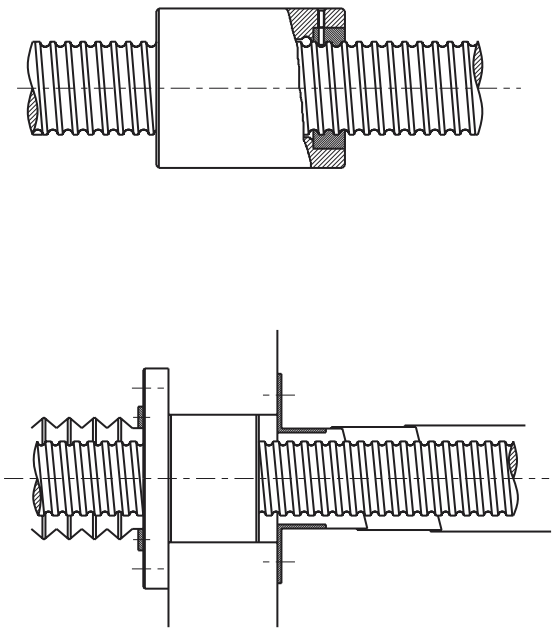


Fig. 5.1 Dust proof Method by Telescopic Cover and Bellows

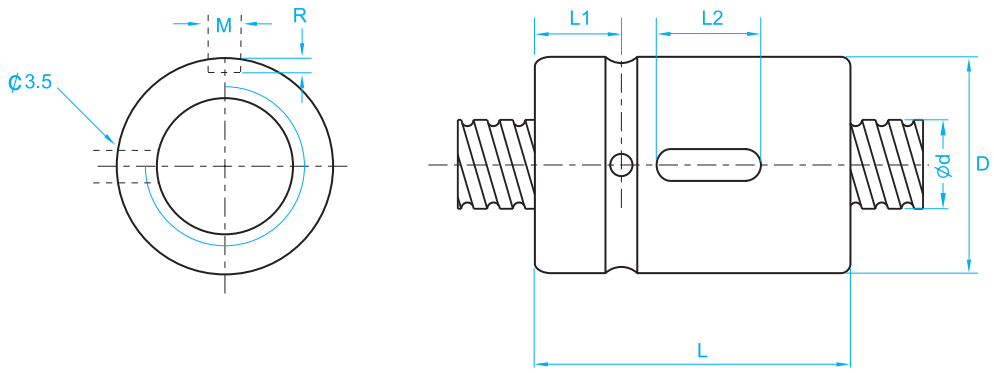
Ball Screw Selection Procedure

Ground & Rolled

Dia. \ Lead	1	2	2.5	2.54	3	4	5	5.08	6	8	10	12	15	16	20	24	25	32	40	50	64
4	○																				
6	◎																				
8	◎	◎	◎							○	○	○									
9			○																		
10		◎				◎					○	○	○								
12		◎	○			◎	◎		○		○										
14		◎			○	○															
15											○										
16		○				◎	◎				◎			◎				○			
19				○																	
20		○				◎	◎	○			○				◎				○		
25		○	○		○	◎	◎	○	○	○	◎	○			○		◎			○	
28							○		○	○	○	○									
32		○	○			◎	◎	○	○	○	◎	○		○	○			◎			○
36											○	○		○	○						
38																○					
40							◎	○	○	○	◎	○		○	○	○			◎		
45											○										
50							○			○	◎	○		○	○					◎	
63											○				○				○		
80											○				○				○		
100																	○				

◎ means both of ground and rolled ball screw are available ○ means ground ball screw only

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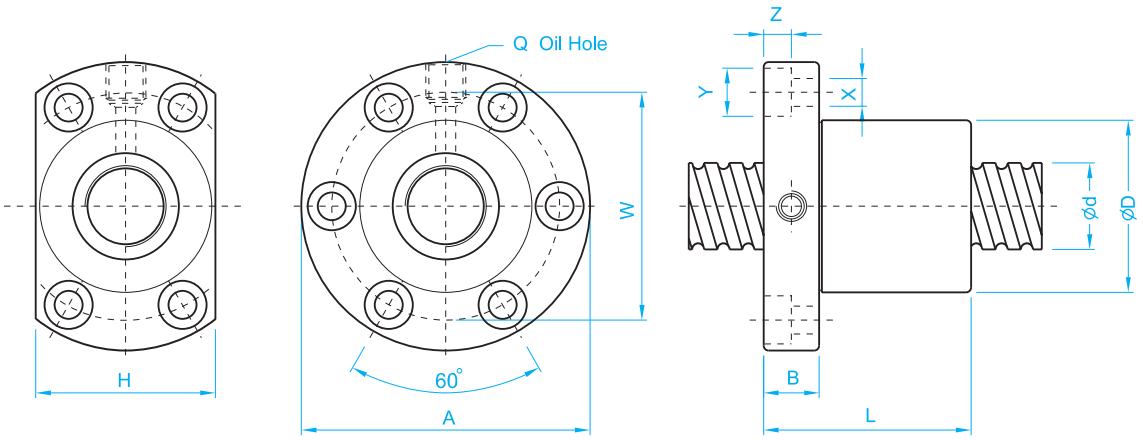


Unit: mm

l : Lead Da : Ball Dia n : Number of Circuits K : Stiffness(Kg/μm) Ca : Basic dynamic Rating Load (Kgf) Coa : Basic Static Rating Load(Kgf)

Model No.	Dimensions												
	d	l	Da	D	L	L1	L2	M	R	n	Ca	Coa	K
PSCI-01604	16	4	2.381	30	40	9	15	3	1.5	4	625	1254	22
PSCI-01605		5	3.175	30	45	9	20	5	3	4	888	1525	22
PSCI-02004	20	4	2.381	34	40	9	15	3	1.5	4	693	1584	27
PSCI-02005		5	3.175	34	45	9	20	5	3	4	999	1995	27
PSCI-02504	25	4	2.381	40	40	9	15	3	1.5	4	775	2046	33
PSCI-02505		5	3.175	40	45	9	20	5	3	4	1119	2581	34
PSCI-02510		10	4.762	46	85	13	30	5	3	4	1903	3695	35
PSCI-03204	32	4	2.381	46	40	9	15	3	1.5	4	868	2640	43
PSCI-03205		5	3.175	46	45	9	20	5	3	4	1264	3403	43
PSCI-03210		10	6.35	54	85	13	30	5	3	4	3093	6102	45
PSCI-04005	40	5	3.175	56	45	9	20	5	3	4	1407	4342	53
PSCI-04010		10	6.35	62	85	13	30	5	3	4	3480	7979	55
PSCI-05010	50	10	6.35	72	85	13	30	5	3	4	3898	10326	68
PSCI-06310	63	10	6.35	85	85	13	30	6	3.5	4	4402	13611	84
PSCI-08010	80	10	6.35	105	85	13	30	8	4.5	4	4900	17366	106

Note:with sign ★can produce left helix



Unit: mm

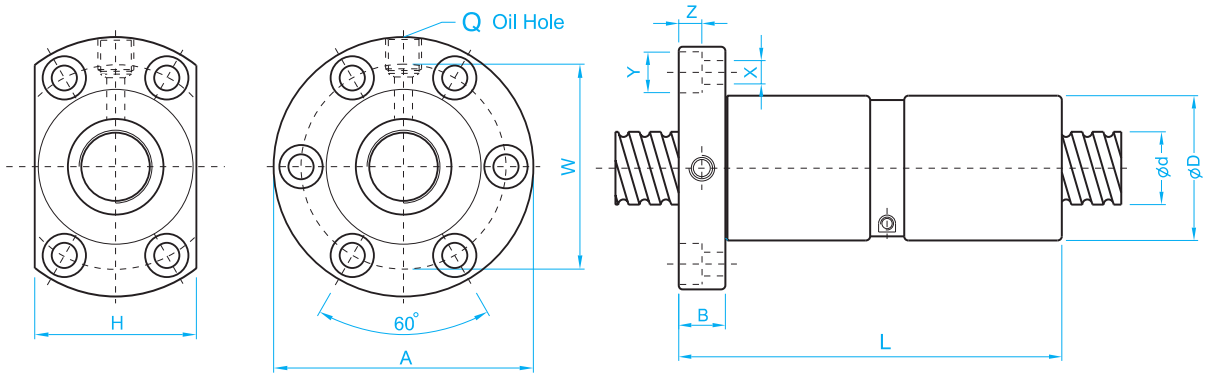
l : Lead Da : Ball Dia n : Number of Circuits K : Stiffness(Kgf/μm) Ca : Basic dynamic Rating Load (Kgf) Coa : Basic Static Rating Load(Kgf)

Model No.	Dimensions																
	d	l	Da	D	A	B	L	W	H	X	Y	Z	Q	n	Ca	Coa	K
PSFI01604-4	16	4	2.381	30	49	10	45	39	34	4.5	8	4.5	M6	4	625	1254	22
PSFI01605-4		5	3.175	30	49	10	50	39	34	4.5	8	4.5	M6	4	888	1525	22
PSFI01610-3		10	3.175	34	58	10	57	45	34	5.5	9.5	5.5	M6	3	716	1232	17
PSFI02004-4	20	4	2.381	34	57	11	46	45	40	5.5	9.5	5.5	M6	4	693	1584	27
PSFI02005-4		5	3.175	34	57	11	51	45	40	5.5	9.5	5.5	M6	4	999	1995	27
PSFI0205T-4		5.08	3.175	34	57	11	51	45	40	5.5	9.5	5.5	M6	4	999	1995	27
PSFI02504-4	25	4	2.381	40	63	11	46	51	46	5.5	9.5	5.5	M6	4	775	2046	33
PSFI02505-4		5	3.175	40	63	11	51	51	46	5.5	9.5	5.5	M8	4	1119	2581	34
PSFI02510-4		10	4.762	46	72	12	85	58	52	6.5	11	6.5	M6	4	1903	3953	35
PSFI03204-4	32	4	2.381	46	72	12	47	58	52	6.5	11	6.5	M6	4	868	2640	43
PSFI03205-4		5	3.175	46	72	12	52	58	52	6.5	11	6.5	M8	4	1264	3403	43
PSFI03210-4		10	6.35	54	88	15	90	70	62	9	14	8.5	M8	4	3093	6102	44
PSFI04005-4	40	5	3.175	56	90	15	55	72	64	9	14	8.5	M8	4	1407	4342	53
PSFI04010-4		10	6.35	62	104	18	93	82	70	11	17.5	11	M8	4	3480	7979	55
PSFI05010-4	50	10	6.35	72	114	18	93	92	82	11	17.5	11	M8	4	3898	10326	68
PSFI06310-4	63	10	6.35	85	131	22	98	107	95	14	20	13	M8	4	4402	13611	84
PSFI08010-4	80	10	6.35	105	150	22	98	127	115	14	20	13	M8	4	4900	17366	106

Note:with sign ★can produce left helix

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PDFI



Unit: mm

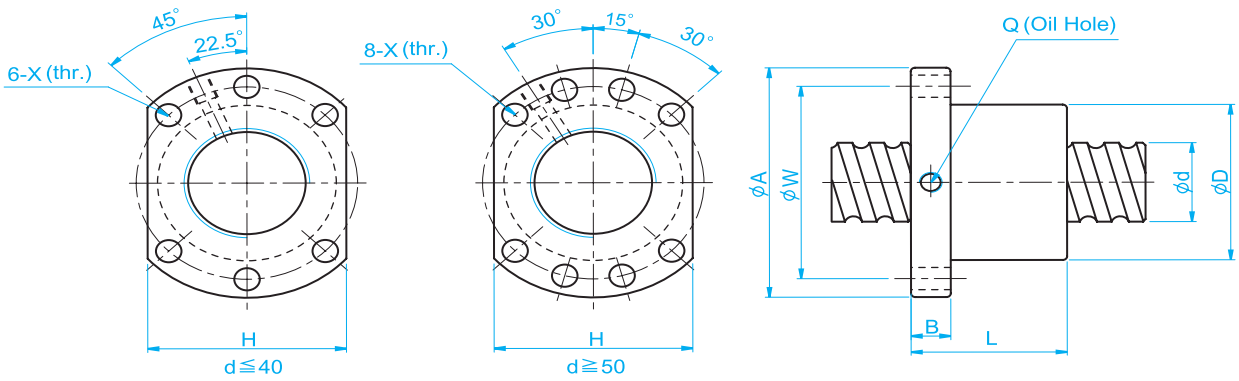
l : Lead Da : Ball Dia n : Number of Circuits K : Stiffness(Kgf/μm) Ca : Basic dynamic Rating Load (Kgf) Coa : Basic Static Rating Load(Kgf)

Model No.	Dimensions																
	d	l	Da	D	A	B	L	W	H	X	Y	Z	Q	n	Ca	Coa	K
PDFI01604-4	16	4	2.381	30	49	10	80	39	34	4.5	8	4.5	M6	4	625	1254	42
PDFI01605-4		5	3.175	30	49	10	100	39	34	4.5	8	4.5	M6	4	888	1525	43
PDFI02004-4	20	4	2.381	34	57	11	80	45	40	5.5	9.5	5.5	M6	4	693	1584	53
PDFI02005-4		5	3.175	34	57	11	101	45	40	5.5	9.5	5.5	M6	4	999	1995	53
PDFI02504-4	25	4	2.381	40	63	11	80	51	46	5.5	9.5	5.5	M6	4	775	2046	65
PDFI02505-4		5	3.175	40	63	11	101	51	46	5.5	9.5	5.5	M8	4	1119	2581	66
PDFI02510-4		10	4.762	46	72	12	145	58	52	6.5	11	6.5	M6	4	1903	3695	67
PDFI03204-4	32	4	2.381	46	72	12	80	58	52	6.5	11	6.5	M6	4	868	2640	83
PDFI03205-4		5	3.175	46	72	12	102	58	52	6.5	11	6.5	M8	4	1264	3403	84
PDFI03210-4		10	6.35	54	88	15	162	70	62	9	14	8.5	M8	4	3093	6102	86
PDFI04005-4	40	5	3.175	56	90	15	105	72	64	9	14	8.5	M8	4	1407	4342	104
PDFI04010-4		10	6.35	62	104	18	165	82	70	11	17.5	11	M8	4	3480	7979	106
PDFI05010-4	50	10	6.35	72	114	18	171	92	82	11	17.5	11	M8	4	3898	10326	132
PDFI06310-4	63	10	6.35	85	131	22	182	107	95	14	20	13	M8	4	4402	13611	165
PDFI08010-4	80	10	6.35	105	150	22	182	127	115	14	20	13	M8	4	4900	17366	207

Note:with sign ★can produce left helix

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PSFU (DIN 69051 FORM B)



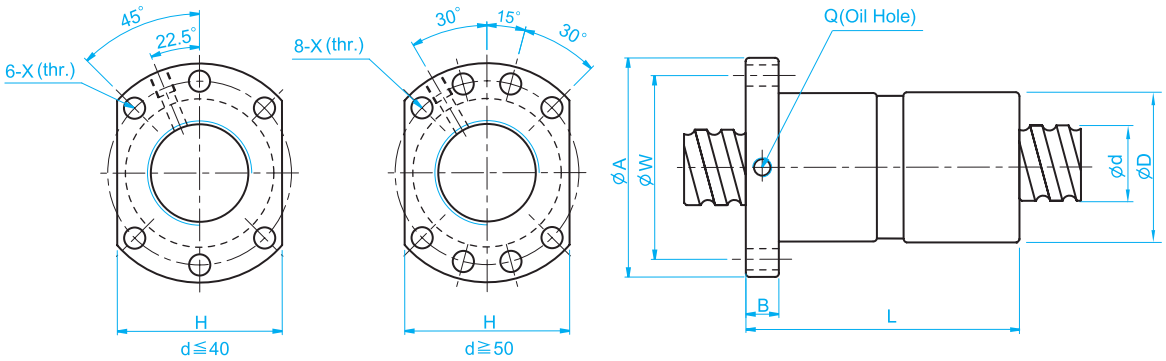
l : Lead **Da : Ball Dia** **n : Number of Circuits** **K : Stiffness(Kg/μm)** **Ca : Basic dynamic Rating Load (Kgf)** **Coa : Basic Static Rating Load(Kgf)**

Model No.	Dimensions														
	d	l	Da	D	A	B	L	W	X	H	Q	n	Ca	Coa	K
PSFU01604-4	16	4	2.381	28	48	10	40	38	5.5	40	M6	4	625	1254	22
PSFU01605-4		5	3.175	28	48	10	50	38	5.5	40	M6	4	888	1525	22
PSFU01610-3		10	3.175	28	48	10	57	38	5.5	40	M6	3	716	1232	17
PSFU02004-4	20	4	2.381	36	58	10	42	47	6.6	44	M6	4	693	1534	27
PSFU02005-4		5	3.175	36	58	10	51	47	6.6	44	M6	4	999	1995	27
PSFU02504-4	25	4	2.381	40	62	10	42	51	6.6	48	M6	4	775	2046	33
PSFU02505-4		5	3.175	40	62	10	51	51	6.6	48	M6	4	1119	2581	34
PSFU02506-4		6	3.969	40	62	10	54	51	6.6	48	M6	4	1494	3117	34
PSFU02508-4		8	4.762	40	62	10	63	51	6.6	48	M6	4	1903	3695	35
PSFU02510-4		10	4.762	40	62	12	85	51	6.6	48	M6	4	1903	3695	35
PSFU03204-4	32	4	2.381	50	80	12	44	65	9	62	M6	4	868	2640	43
PSFU03205-4		5	3.175	50	80	12	52	65	9	62	M6	4	1264	3403	43
PSFU03206-4		6	3.969	50	80	12	57	65	9	62	M6	4	1706	4217	43
PSFU03208-4		8	4.762	50	80	12	65	65	9	62	M6	4	2177	5015	44
PSFU03210-4		10	6.350	50	80	12	90	65	9	62	M6	4	3093	6102	44
PSFU03220-3		20	3.969	50	80	12	99	65	9	62	M6	3	1354	3283	52
PSFU04005-4	40	5	3.175	63	93	14	55	78	9	70	M8	4	1407	4342	53
PSFU04006-4		6	3.969	63	93	14	60	78	9	70	M6	4	1889	5318	54
PSFU04008-4		8	4.762	63	93	14	67	78	9	70	M6	4	2413	6335	54
PSFU04010-4		10	6.350	63	93	14	93	78	9	70	M8	4	3480	7979	55
PSFU05010-4	50	10	6.350	75	110	16	93	93	11	85	M8	4	3898	10326	68
PSFU05020-4		20	7.144	75	110	16	138	93	11	85	M8	4	4621	11881	68
PSFU06310-4	63	10	6.350	90	125	18	98	108	11	95	M8	4	4402	13611	84
PSFU06320-4		20	9.525	90	135	20	149	115	13.5	100	M8	4	7401	19009	86
PSFU08010-4	80	10	6.350	105	145	20	98	125	13.5	110	M8	4	4900	17366	106
PSFU08020-4		20	9.525	125	165	25	154	145	13.5	130	M8	4	8403	25345	108
PSFU10020-4	100	20	9.525	150	202	30	180	170	17.5	155	M8	4	9405	32737	134

Note:with sign ★can produce left helix

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PDFU (DIN 69051 FORM B)



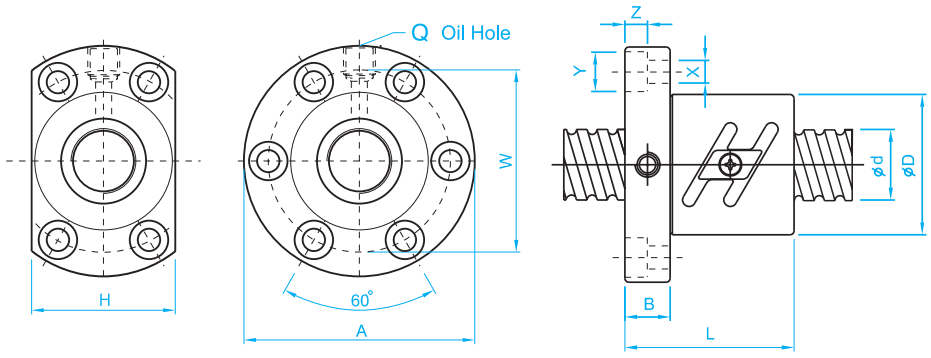
l : Lead **Da** : Ball Dia **n** : Number of Circuits **K** : Stiffness(Kg/μm) **Ca** : Basic dynamic Rating Load (Kgf) **Coa** : Basic Static Rating Load(Kgf)

Model No.	Dimensions														
	d	l	Da	D	A	B	L	W	X	H	Q	n	Ca	Coa	K
PDFU01604-4	16	4	2.381	28	48	10	80	38	5.5	40	M6	4	625	1254	42
PDFU01605-4		5	3.175	28	48	10	100	38	5.5	40	M6	4	888	1525	43
PDFU01610-3		10	3.175	28	48	10	118	38	5.5	40	M6	3	716	1232	32
PDFU02004-4	20	4	2.381	36	58	10	80	47	6.6	44	M6	4	693	1534	53
PDFU02005-4		5	3.175	36	58	10	101	47	6.6	44	M6	4	999	1995	53
PDFU02504-4	25	4	2.381	40	62	10	80	51	6.6	48	M6	4	775	2046	65
PDFU02505-4		5	3.175	40	62	10	101	51	6.6	48	M6	4	1119	2581	66
PDFU02506-4		6	3.969	40	62	10	105	51	6.6	48	M6	4	1494	3117	67
PDFU02508-4		8	4.762	40	62	10	120	51	6.6	48	M6	4	1903	3695	67
PDFU02510-4		10	4.762	40	62	12	145	51	6.6	48	M6	4	1903	3695	67
PDFU03204-4	32	4	2.381	50	80	12	80	65	9	62	M6	4	868	2640	83
PDFU03205-4		5	3.175	50	80	12	102	65	9	62	M6	4	1264	3403	84
PDFU03206-4		6	3.969	50	80	12	105	65	9	62	M6	4	1706	4217	84
PDFU03208-4		8	4.762	50	80	12	122	65	9	62	M6	4	2177	5015	85
PDFU03210-4		10	6.350	50	80	12	162	65	9	62	M6	4	3093	6102	86
PDFU04005-4	40	5	3.175	63	93	14	105	78	9	70	M8	4	1407	4342	104
PDFU04006-4		6	3.969	63	93	14	108	78	9	70	M6	4	1889	5318	104
PDFU04008-4		8	4.762	63	93	14	132	78	9	70	M6	4	2413	6335	105
PDFU04010-4		10	6.350	63	93	14	165	78	9	70	M8	4	3480	7979	106
PDFU05010-4	50	10	6.350	75	110	16	171	93	11	85	M8	4	3898	10326	132
PDFU05020-4		20	7.144	75	110	16	280	93	11	85	M8	4	4621	11881	132
PDFU06310-4	63	10	6.350	90	125	18	182	108	11	95	M8	4	4402	13611	165
PDFU06320-4		20	9.525	90	135	20	290	115	13.5	100	M8	4	7401	19009	167
PDFU08010-4	80	10	6.350	105	145	20	182	125	13.5	110	M8	4	4900	17366	207
PDFU08020-4		20	9.525	125	165	25	295	145	13.5	130	M8	4	8403	25345	210
PDFU10020-4	100	20	9.525	150	202	30	340	170	17.5	155	M8	4	9405	32737	261

PMK

PSFT

Ball Screw



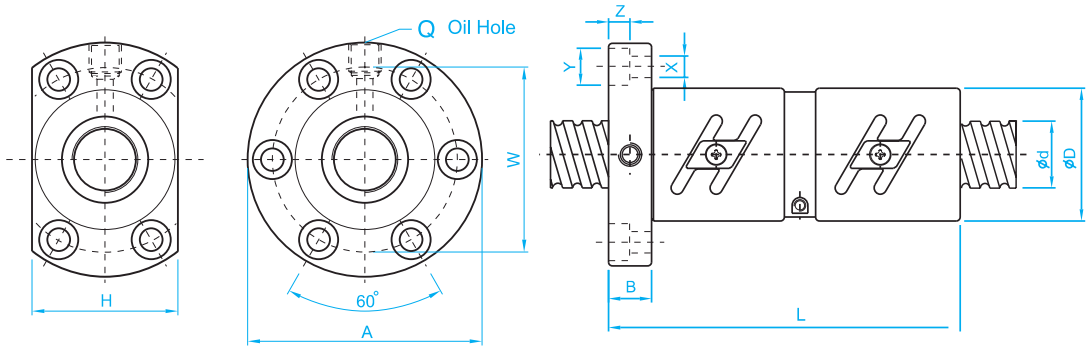
l : Lead **Da : Ball Dia** **n : Number of Circuits** **K : Stiffness(Kg/μm)** **Ca : Basic dynamic Rating Load (Kgf)** **Coa : Basic Static Rating Load(Kgf)**

Model No.	Dimensions																
	d	l	Da	D	A	B	L	W	H	X	Y	Z	Q	n	Ca	Coa	K
PSFT02005-5	20	5	3.175	44	67	11	57	55	52	5.5	9.5	5.5	M6	2.5x2	1211	3068	34
PSFT02505-5	25	5	3.175	50	73	11	55	61	52	5.5	9.5	5.5	M8	2.5x2	1356	4460	42
PSFT02510-2.5		10	6.350	68	102	15	70	84	82	9	14	8.5	M8	2.5x1	1839	4730	22
PSFT03205-5	32	5	3.175	58	85	12	56	71	64	6.6	11	6.5	M8	2.5x2	1532	5720	54
PSFT03206-5		6	3.969	62	89	12	65	75	68	6.6	11	6.5	M8	2.5x2	2067	7080	54
PSFT03208-5		8	4.762	66	100	15	82	82	76	9	14	8.5	M8	2.5x2	2638	8360	54
PSFT03210-5		10	6.350	74	108	15	96	90	82	9	14	9	M8	2.5x2	3747	11500	55
PSFT03220-2.5		20	6.350	74	108	16	100	90	82	9	14	8.5	M8	2.5x1	2133	6020	28
PSFT04005-5	40	5	3.175	67	101	15	59	83	72	9	14	8.5	M8	2.5x2	1705	7200	67
PSFT04010-5		10	6.350	82	124	18	100	102	94	11	17.5	11	M8	2.5x2	4216	14000	68
PSFT04020-2.5		20	6.350	82	124	18	100	102	90	11	17.5	11	M8	2.5x1	2382	7370	34
PSFT05010-5	50	10	6.350	93	135	18	103	113	98	11	17.5	11	M8	2.5x2	4723	18000	84
PSFT05020-2.5		20	9.525	105	152	28	121	128	110	14	20	13	M8	2.5x1	4425	18700	43
PSFT06310-5	63	10	6.350	108	154	22	105	130	110	14	20	13	M8	2.5x2	5333	22700	105
PSFT06320-2.5		20	9.525	122	180	28	127	150	130	18	26	18	M8	2.5x1	4942	23200	54
PSFT08010-5	80	10	6.350	130	176	22	105	152	132	14	20	13	M8	2.5x2	5937	28900	133
PSFT08020-5		20	9.525	143	204	28	180	172	148	18	26	18	M8	2.5x2	10181	60100	135
PSFT08020-7.5		20	9.525	143	204	28	240	172	148	18	26	18	M8	2.5x3	14429	89100	202

PMK

PDFT

Ball Screw

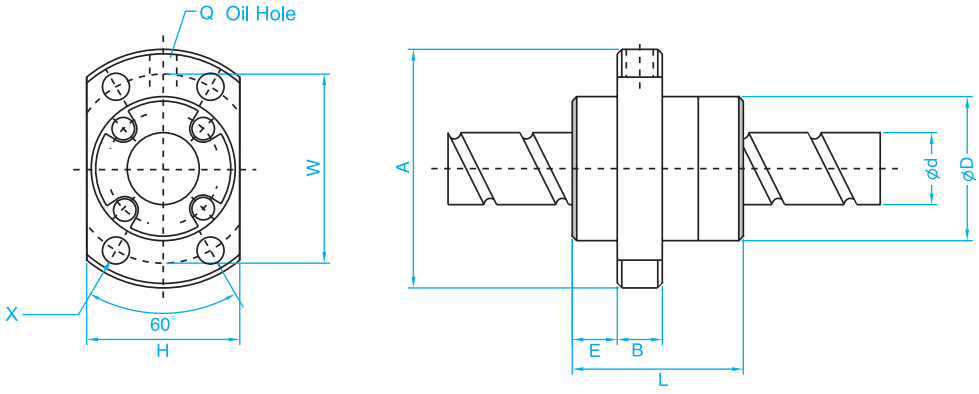


l : Lead **Da : Ball Dia** **n : Number of Circuits** **K : Stiffness(Kg/μm)** **Ca : Basic dynamic Rating Load (Kgf)** **Coa : Basic Static Rating Load(Kgf)**

Model No.	Dimensions																
	d	l	Da	D	A	B	L	W	H	X	Y	Z	Q	n	Ca	Coa	K
PDFT02005-5	20	5	3.175	44	67	11	105	55	52	5.5	9.5	5.5	M6	2.5x2	1211	2493	67
PDFT02505-5	25	5	3.175	50	73	11	105	61	52	5.5	9.5	5.5	M8	2.5x2	1356	3227	82
PDFT02510-2.5		10	6.350	68	102	15	130	84	82	9	14	8.5	M8	2.5x1	1839	2933	43
PDFT03205-5	32	5	3.175	58	85	12	106	71	64	6.6	11	6.5	M8	2.5x2	1532	4254	104
PDFT03206-5		6	3.969	62	89	12	123	75	68	6.6	11	6.5	M8	2.5x2	2067	5272	105
PDFT03208-5		8	4.762	66	100	15	154	82	76	9	14	8.5	M8	2.5x2	2638	6269	106
PDFT03210-5		10	6.350	74	108	16	187	90	82	9	14	8.5	M8	2.5x2	3747	7627	108
PDFT03220-2.5		20	6.350	74	108	16	198	90	82	9	14	8.5	M8	2.5x1	2133	4107	54
PDFT04005-5	40	5	3.175	67	101	15	109	83	72	9	14	8.5	M8	2.5x2	1705	5427	130
PDFT04010-5		10	6.350	82	124	18	188	102	94	11	17.5	11	M8	2.5x2	4216	9974	133
PDFT04020-2.5		20	6.350	82	124	18	200	102	90	11	17.5	11	M8	2.5x1	2382	5280	67
PDFT05010-5	50	10	6.350	93	135	18	193	113	98	11	17.5	11	M8	2.5x2	4723	12907	165
PDFT05020-2.5		20	9.525	105	152	28	225	128	110	14	20	13	M8	2.5x1	4425	9240	84
PDFT06310-5	63	10	6.350	108	154	22	197	130	110	14	20	13	M8	2.5x2	5333	17014	206
PDFT08010-5	80	10	6.350	130	176	22	195	152	132	14	20	13	M8	2.5x2	5937	21708	259
PDFT08020-5		20	9.525	143	204	28	340	172	148	18	26	18	M8	2.5x2	10181	31681	263

PMK

PSFE



l : Lead **Da : Ball Dia** **n : Number of Circuits** **K : Stiffness(Kg/μm)** **Ca : Basic dynamic Rating Load (Kgf)** **Coa : Basic Static Rating Load(Kgf)**

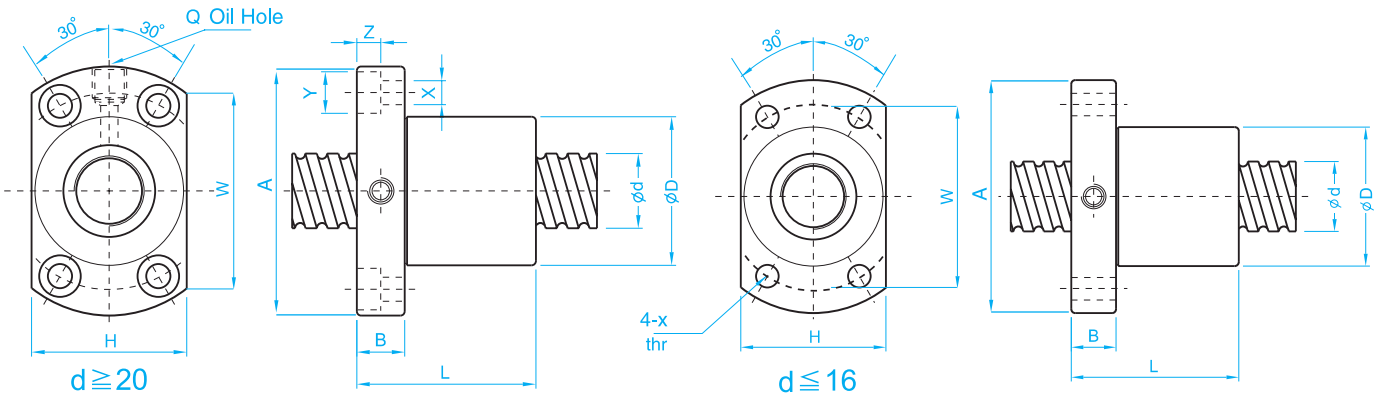
Model No.	Dimensions															
	d	l	Da	D	A	E	B	L	X	W	H	Q	n	Ca	Coa	K
PSFE01616-3	16	16	2.778	32	53	9.6	10	38	4.5	42	34	M6	1.7x2	683	1298	19
PSFE01616-6		16	2.778	32	53	9.6	10	38	4.5	42	34	M6	1.7x4	1240	2596	38
PSFE02020-3	20	20	3.175	39	62	11.5	10	47	5.5	50	41	M6	1.7x2	891	1795	23
PSFE02020-6		20	3.175	39	62	11.5	10	47	5.5	50	41	M6	1.7x4	1617	3591	46
PSFE02525-3	25	25	3.969	47	74	13	12	57	6.6	60	49	M6	1.7x2	1332	2805	29
PSFE02525-6		25	3.969	47	74	13	12	57	6.6	60	49	M6	1.7x4	1843	3514	38
PSFE03232-3	32	32	4.762	58	92	16	12	71	9	74	60	M6	1.7x2	1936	4487	37
PSFE03232-6		32	4.762	58	92	16	12	71	9	74	60	M6	1.7x4	3514	8975	74
PSFE04040-3	40	40	6.350	73	114	19	15	89	11	93	75	M6	1.7x2	3103	7181	46
PSFE04040-6		40	6.350	73	114	19	15	89	11	93	75	M6	1.7x4	5632	14362	93
PSFE05050-3	50	50	7.938	90	135	21.5	20	107	14	112	92	M6	1.7x2	4638	11222	58
PSFE05050-6		50	7.938	90	135	21.5	20	107	14	112	92	M6	1.7x4	8418	22444	116

Note 1:"-3" means 2starts, "-6" means 4 start.

Note 2: PMK standard nuts do not have wipers, if required, please advise.

PMK

PSFK



l : Lead **Da : Ball Dia** **n : Number of Circuits** **K : Stiffness(Kg/μm)** **Ca : Basic dynamic Rating Load (Kgf)** **Coa : Basic Static Rating Load(Kgf)**

Model No.	Dimensions																
	d	l	Da	D	A	B	L	W	H	X	Y	Z	Q	n	Ca	Coa	K
PSFK00401	4	1	0.8	10	20	3	12	15	14	2.9	—	—	—	2	41	51	3
PSFK00601	6	1	0.8	12	24	3.5	15	18	16	3.4	—	—	—	3	72	121	7
PSFK00801	8	1	0.8	14	27	4	16	21	18	3.4	—	—	—	4	106	173	11
PSFK00802		2	1.2	14	27	4	16	21	18	3.4	—	—	—	3	142	225	8
PSFK0082.5		2.5	1.2	16	29	4	26	23	20	3.4	—	—	—	3	142	278	8
PSFK01002	10	2	1.2	18	35	5	28	27	22	4.5	—	—	—	3	158	305	10
PSFK01004		4	2	26	46	10	34	36	28	4.5	—	—	—	3	302	590	10
PSFK01202	12	2	1.2	20	37	5	28	29	24	4.5	—	—	—	4	219	317	16
PSFK01204		4	2.5	24	40	6	28	32	25	3.5	—	—	—	3	451	722	13
PSFK01205		5	2.5	22	37	8	39	29	24	4.5	—	—	—	3	451	883	13
PSFK01402	14	2	1.2	21	40	6	23	31	26	5.5	—	—	—	4	235	633	19
PSFK01602	16	2	1.2	25	43	10	40	35	29	5.5	—	—	—	4	250	670	21
PSFK02002	20	2	1.2	50	80	15	55	65	68	6.5	10.5	6	M6	6	395	1269	40
PSFK02502	25	2	1.2	50	80	13	43	65	68	6.5	10.5	6	M6	5	374	1331	41
PSFK02503		3	2.381	40	63	11	51	51	48	5.5	9.5	5.5	M6	6	1099	3076	50

Note:1 Nuts do not have wipers from ø4 to ø6.

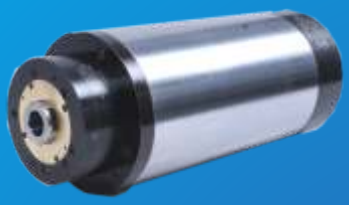
Note:2 PMK Standard nuts are without wipers, if required, please advise.

Note:3 Nuts do not have oil hole from ø4 to ø16.

PMK

OUR OTHER PRODUCTS

PRECISION SPINDLES



ROLLER SCREW



ROTARY TABLE



CUSTOMISED BEARINGS



Bearing Blocks



V TYPE CROSS ROLLER GUIDE



RUS BEARINGS



Prominent / Prospective Clients of PMK







































We Can design & Manufacture As Per Client's Requirement

PMK