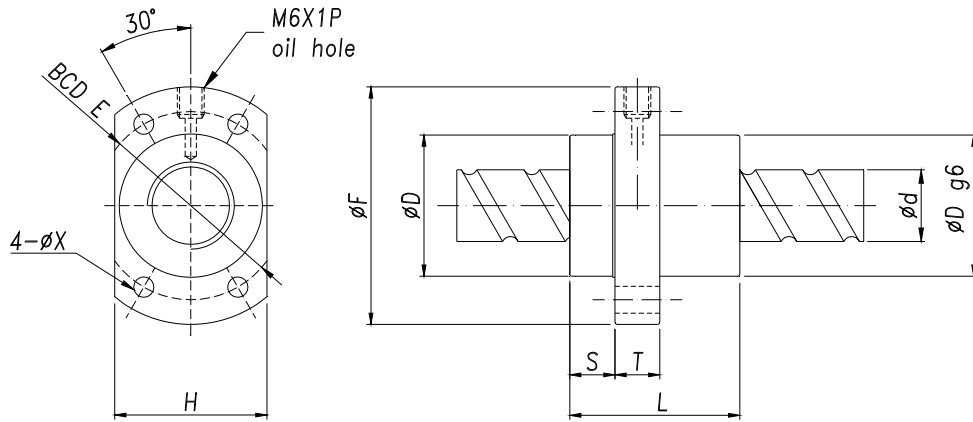
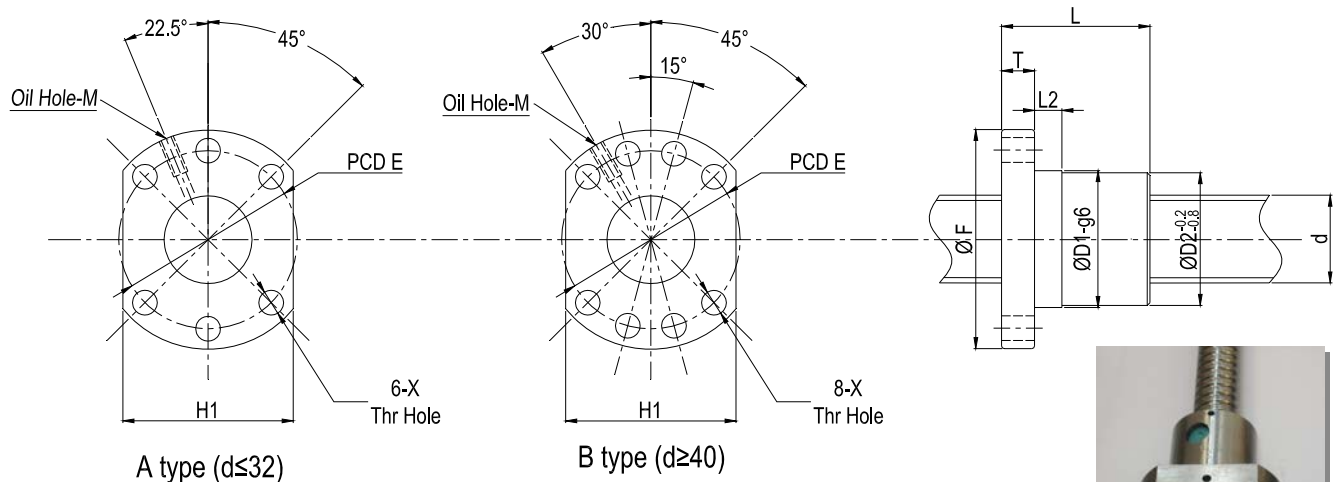


High Speed Ball Screw (CSNF)



Unit: mm

Model No.	Dia.	Lead	Ball Dia.	Nut			Flange				Mount. Hole X	Circuits	Load(Kgf)		Stiffness (Kgf/μm)
				D	L	S	F	T	E	H			Ca	Coa	
CSNF1616-3	16	16	2.778	32	38	10.1	53	10	42	34	4.5	1.7x2	650	1280	19
CSNF1616-6												1.7x4	1180	2550	36
CSNF1632-3	16	32	3.175	34	34	10.5	55	10	45	36	5.5	0.7x2	410	680	21
CSNF1632-6												0.7x4	820	1360	41
CSNF2020-3	20	20	3.175	39	47	11.5	62	10	50	41	5.5	1.7x2	980	2140	25
CSNF2020-6												1.7x4	1780	4280	49
CSNF2040-3	20	40	3.175	38	41	11	58	10	48	40	5.5	0.7x2	455	880	25
CSNF2040-6												0.7x4	910	1760	49
CSNF2525-3	25	25	3.969	47	57	13	74	12	60	49	6.6	1.7x2	1470	3350	31
CSNF2525-6												1.7x4	2660	6690	60
CSNF2550-3	25	50	3.969	46	50	13	70	12	58	48	6.6	0.7x2	685	1380	31
CSNF2550-6												0.7x4	1370	2760	60
CSNF3232-3	32	32	4.762	58	71	16	92	12	74	60	9.0	1.7x2	2140	5260	40
CSNF3232-6												1.7x4	3890	10500	76
CSNF3264-3	32	64	4.762	58	62	15.5	92	12	74	60	9.0	0.7x2	1000	2130	40
CSNF3264-6												0.7x4	2000	4260	77
CSNF4040-3	40	40	6.350	73	89	19	114	15	93	75	11.0	1.7x2	3410	8820	49
CSNF4040-6												1.7x4	6200	17600	95
CSNF5050-3	50	50	7.938	90	107	21.5	135	20	112	92	14.0	1.7x2	5100	13800	60
CSNF5050-6												1.7x4	7260	27600	117

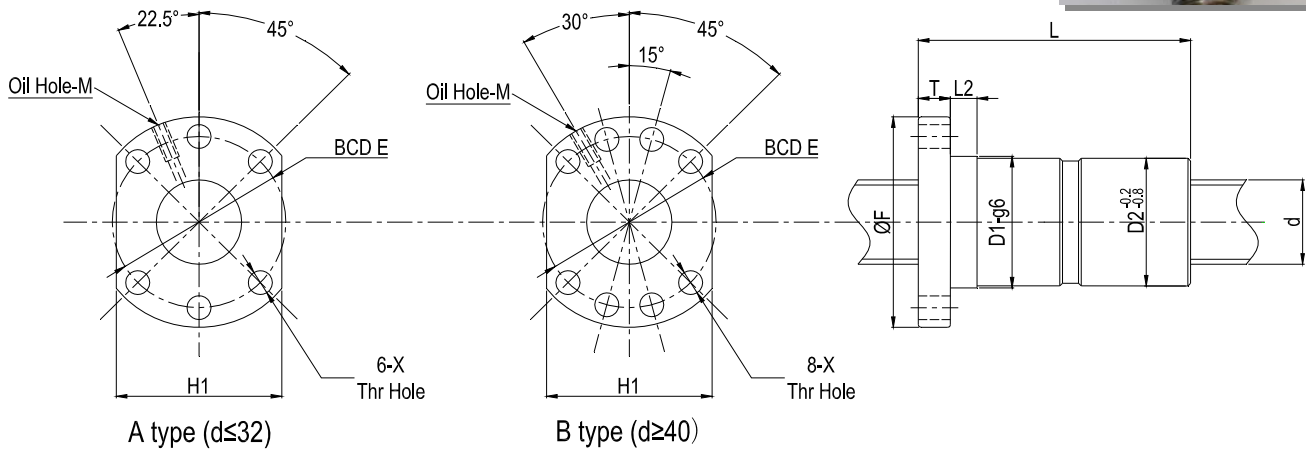


Unit : mm

Model No.	Dia.	Lead	Ball Dia.	Nut				Flange					Type	M	Load (KN)	
				D1	D2	L	L2	F	T	H1	E	X			Ca	Coa
RSFU1204-3	12	4	2.381	22	21.5	35	10	42	8	30	32	4.8	A	M6	4.0	6.7
RSFU1604-3	16	4	2.381	28	\	36	\	48	10	40	38	5.5	A	M6	4.4	9.2
RSFU1605-3	16	5	3.175	28	27.8	42	10	48	10	40	38	5.5	A	M6	7.7	13.2
RSFU1610-2	16	10	2.778	28	27.8	42	10	48	10	40	38	5.5	A	M6	7.4	12.8
RSFU2005-3	20	5	3.175	36	35.8	42	10	58	10	44	47	6.7	A	M6	8.6	17.1
RSFU2010-2	20	10	3.175	36	35.8	52	10	58	10	40	47	6.7	A	M6	8.4	16.8
RSFU2010-3	20	10	3.175	36	35.8	42	10	58	10	40	47	6.7	A	M6	8.4	16.8

RSFU2504-3	25	4	2.381	40	\	40	\	62	10	48	51	6.6	A	M6	9.1	26.5
RSFU2505-3	25	5	3.175	40	39.5	42	10	62	10	48	51	6.6	A	M6	9.8	23.0
RSFU2510-3	25	10	4.763	40	39.5	85	16	62	15	48	51	6.8	A	M6	8.7	20.5
RSFU3205-3	32	5	3.175	50	49.5	55	10	80	12	62	65	9.0	A	M6	16.9	51.0
RSFU3210-3	32	10	6.35	50	49.5	74	16	80	12	62	65	9.0	A	M6	26.1	53.1
RSFU4005-5	40	5	3.175	63	62.5	55	10	93	14	70	78	9.0	B	M8	19.0	66.2
RSFU4010-3	40	10	6.35	63	62.5	71	16	93	14	70	78	9.0	B	M8	30.1	71.0
RSFU4020-2	40	20	6.35	63	62.5	94	20	93	14	70	78	9.0	B	M8	40.3	98.4
RSFU4020-3	40	20	6.35	63	62.5	144	20	93	14	70	78	9.0	B	M8	40.3	98.4
RSFU5010-4	50	10	6.35	75	74.5	95	16	110	16	85	93	11.0	B	M8	53.1	155.0
RSFU6310-5	63	10	6.35	90	\	97	\	125	18	95	108	11.0	B	M8	60.7	206.0
RSFU8010-5	80	10	6.35	105	\	101	\	145	20	110	125	13.5	B	M8	66.6	265.0

R-DFU (Double Nut with Flange, DIN 69051 Form B)



Unit: mm

Model No.	Dia.	Lead	Ball Dia.	Nut				Flange					Type	M	Load (KN)	
				D1	D2	L	L2	F	T	H1	E	X			Ca	Coa
RDFU1604-3	16	4	2.381	28	\	72	\	48	10	40	38	5.5	A	M6	4.4	9.2
RDFU1605-3	16	5	3.175	28	27.8	80	10	48	10	40	38	5.5	A	M6	7.7	13.2
RDFU2005-3	20	5	3.175	36	35.8	82	10	58	10	44	47	6.7	A	M6	8.6	17.1

RDFU2505-3	25	5	3.175	40	39.5	82	10	62	10	48	51	6.6	A	M6	9.8	23.0
RDFU3205-3	32	5	3.175	50	49.5	106	10	80	12	62	65	9.0	A	M6	16.9	51.0
RDFU3210-3	32	10	6.35	50	49.5	135	16	80	12	62	65	9.0	A	M8	26.1	53.1
RDFU4005-5	40	5	3.175	63	62.5	108	10	93	14	70	78	9.0	B	M6	19.0	66.2
RDFU4010-3	40	10	6.35	63	62.5	137	16	93	14	70	78	9.0	B	M8	30.1	71.0
RDFU5010-4	50	10	6.35	75	74.5	163	16	110	16	85	93	11.0	B	M8	53.1	155
RDFU6310-4	63	10	6.35	90	\	188	\	125	18	95	108	11.0	B	M8	60.7	206
RDFU8010-5	80	10	6.35	105	\	182	\	145	20	110	125	13.5	B	M8	66.6	265

Brief introduction of Precision Miniature Ball Screw

Precision Miniature ball screw assemblies are conventionally understood to be systems with a nominal diameter of 16mm or less. Their miniaturized nut geometries are achieved through the use of optimized recirculation systems with very small balls. These ball screws are usually not preloaded or only slightly preloaded to ensure the smoothest possible travel. Miniature Ball Screw is normally used in high precision equipments and apparatus.

We developed a special metal deflector to replace the plastic deflector. The metal deflector can increase the serving life, stability and smoothness. If the metal deflector is assembled together with the stainless steel screw shaft, nut and ball, the miniature ball screw can be used in the environment of high-temperature and corrosion.



Application of Miniature Ball Screw

- ◇ CNC machines: CNC machine, CNC milling machine, milling machine, EDM machines, grinding machine, wire cut EDM machine, CNC boring machine.
- ◇ Industrial equipment: printing equipment, automation machinery, textile machine, drawing machine, injection molding machine, paper processing equipment.
- ◇ Electronic machines: measuring robot, XY working table, medical equipment, SMT Equipment, semiconductor equipment, other automation equipments.
- ◇ Transport machinery: material handling equipment, elevated actuator.
- ◇ Others: antenna leg actuator, valve operator etc.

Features of Miniature Ball Screws

- High mechanical efficiency

Miniature ball Screws are fitted with steel Balls, providing rolling contact between the Nut and Screw Shaft, allowing for mechanical efficiency of over 90% and reducing the required Torque to less than one-third that of conventional Lead Screws. The design of the Ball Screws also allows linear motion to be converted into rotary motion easily (Fig. 1).