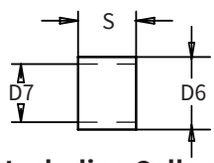
Rolled_SFC

Shaft Diameter Ø8~Ø25

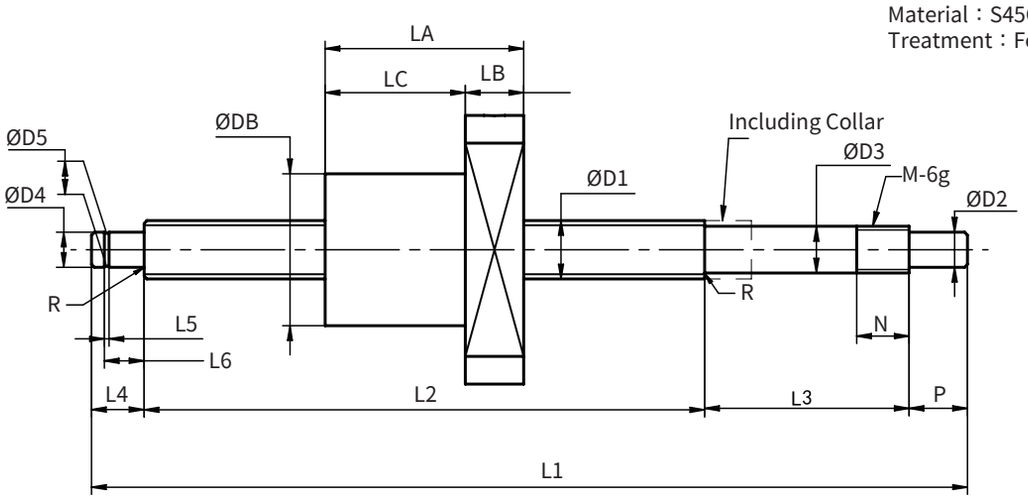
Features

1. Longer stroke for better efficiency.
2. Lower profile linear units can be designed by using in combination with Support Units Low Profile Type.
3. Conforms to JIS (ISO) accuracy standards.
4. Standards dimensions in stock.
5. Oil inlet on the nut, easily use while assembling and maintaining.



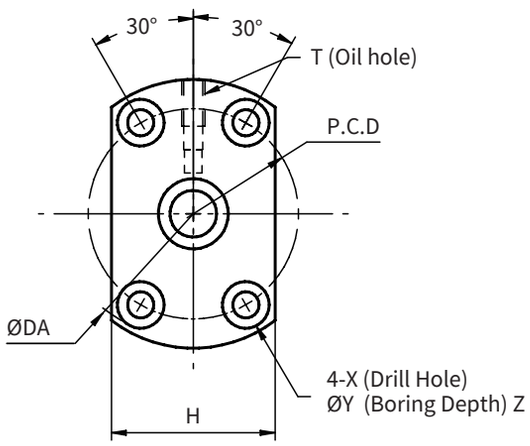
Including Collar

Material：S45C
Treatment：Fe3O4



Model	Outer diameter	Lead	Screw Specification																
			L1	L2	L3	L4	L5	L6	P	D1	D2	D3	D4	D5	D6	D7	S	N	M	R
SFC0802	8	2	100~400	L1-46	29.5	9	0.8	6.8	7.5	8	4.5	6	6	5.7	9.5	6	7	7	M6x0.75	Less than 0.2
SFC1004	10	4	150~600	L1-54	35	9	0.8	6.8	10	10	6	8	6	5.7	10	8	8	9	M8x1.0	Less than 0.2
SFC1204	12	4	150~800	L1-65	40	10	0.9	7.9	15	12	8	10	8	7.6	12	10	10	10	M10x1.0	Less than 0.2
SFC1505	15	5	150~1200	L1-67	40	12	1.15	9.15	15	15	10	12	10	9.6	15	12	10	10	M12x1.0	Less than 0.3
SFC1510	15	10	200~1200	L1-67	40	12	1.15	9.15	15	15	10	12	10	9.6	15	12	10	10	M12x1.0	Less than 0.3
SFC2005	20	5	200~2000	L1-87	55	12	1.15	10.15	20	20	12	15	15	14.3	20	15	15	15	M15x1.0	Less than 0.3
SFC2010	20	10	250~2000	L1-87	55	12	1.15	10.15	20	20	12	15	15	14.3	20	15	15	15	M15x1.0	Less than 0.3
SFC2505	25	5	200~2000	L1-188	73	18	1.35	15.35	27	25	15	20	20	19	25	20	20	16	M20x1.0	Less than 0.3

End Plug Standard Type Nut



Ball Screw Specification	
Precision	C7
Circulation method	End plug standard type
Axial backlash Preload level	P0:No preload, with backlash
Screw Material	S55C
Nut Material	SCM415H
Spiral Direction	Right Thread
Using Grease	Alvania S2

*Regular maintenance of the ball screw with lubrication oil can effectively extend the screws life by more than 10 times.

Nut Specification											Core diameter	BCD	Recurring decimal	Reted load(N)	
LA	LB	LC	DA	DB	H	PCD	X	Y	Z	T		Ball diameter		Dynamic load Ca	Static load Coa
22.5	6	16.5	32	16	19	24	4.5	-	-	M3x0.5	7	8.15 1.2	4x1	1170	2100
31	11	20	41	22	25	31	4.5	8	4.5	M4x0.7	8.4	10.25 2	3x1	1870	3000
31	11	20	43	24	27	33	4.5	8	4.5	M4x0.7	10.4	12.25 2	4x1	2790	5270
33	11	22	54	31	34	42	5.5	9.5	5.5	M5x0.8	12.25	15.5 3.175	3x1	4140	7060
48	11	37	54	31	34	42	5.5	9.5	5.5	M5x0.8	12.25	15.5 3.175	3x1	4250	7450
38	13	25	62	36	38	49	6.6	11	6.5	M6x1.0	17.25	20.5 3.175	4x1	6600	14050
58.5	13	45.5	62	36	38	49	6.6	11	6.5	M6x1.0	17.25	20.5 3.175	4x1	6530	13930
35	13	22	66	42	48	53	6.6	11	6.5	M6x1.0	22.25	25.5 3.175	3x1	5470	12520