

1-13 Nominal Model Code of Ball Screw

SFU R 025 05 T4 D G C5 - 600 - P1 - B2 + N3 N3

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ - ⑪ - ⑫ + ⑬ ⑭

①	Nominal Model	②	Threading Direction	⑤	Number of Turns (Turn·Row)	⑦	Product Code				
S	S : Single nut		R : Right		Turn : T : 1		G : Ground				
	D : Double nut		L : Left		A : 1.5 (or 1.7/1.8)		F : Rolled				
F	F : With flange	③	Nominal Diameter		B : 2.5/2.8	⑧	Accuracy Grade				
	C : Without flange				C : 3.5			D : 4.8			
U	NI : type nut	④	Lead	⑥	Flange Type	⑨	Overall Length of Shaft				
	NU : type nut							Unit : mm	ex : (2.5× 2 = B2)	C0, C1, C2, C3, C5, C7, C10	
	H : type nut							Unit : mm	N : Not cutting	S : Single cutting	D : Double cutting
	S : type nut										
	E : type nut										
	Y : type nut										
	V : type nut										
K : type nut											
DC : type nut											

⑩	Axial Clearance and Preload Value	⑪	Number of Nut
	P0, P1, P2, P3, P4		(Leave blank if only one nut is required) Ex : Install two nuts on a shaft B2

⑫	Nut Surface Treatment	⑬	Shaft Surface Treatment
	S : Standard		S : Standard
	B1 : Black Oxidation		B1 : Black Oxidation
	N1 : Hard Chrome Plating		N1 : Hard Chrome Plating
	P : Phosphating		P : Phosphating
	N3 : Nickel Plating		N3 : Nickel Plating
	N4 : Raydent		N4 : Raydent
	N5 : Chrome Plating		N5 : Chrome Plating

※No symbol required when plating is not needed.
 ※An inspection report is provided for ground ball screws with an accuracy higher than C5.



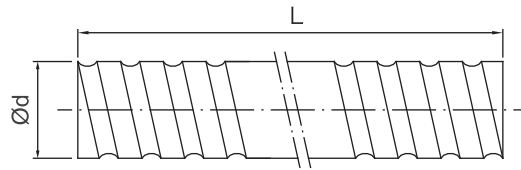


Fig 1.13.1 Screw Shaft Nominal Diameter

Table 1-13-1 Ø4~32

Model No.			Accuracy Grade	Threading Direction	Number of Grooves	Standard Code of	Type of Nut	
Ød	l	Da		R : Right L : Left				
6	1	0.8	C7	R	1	SCR00601	K	1000
8	1	0.8	C7, C5	R	1	SCR00801	K	1000
	2.5	1.2	C7, C5	R	1	SCR0082.5	K, BSH	
10	2	1.2	C7, C5	R	1	SCR01002	K, BSH	3000
	4	2	C7, C5	R	1	SCR01004	K, BSH	
12	2	1.2	C7, C5	R	1	SCR01202	K	3000
	4	2.5	C7, C5	R	1	SCR01204	U, BSH	
	5	2.5	C7, C5	R	1	SCR01205-A	V, U, BSH, S, H	
	10	2.5	C7, C5	R	2	SCR01210-B	V	
14	2	1.2	C7, C5	R	1	SCR01402	K	1800
	4	2.5	C7	R	1	SCR01404	BSH	3000
16	4	2.381	C7, C5	R	1	SCR01604(N)	V, I, U, BSH	3000
	5	3.175	C7, C5	R/L	1	SCR01605	V, I, U, BSH	
	10	3.175	C7, C5	R	2	SCR01610	V, I, U, BSH	
	16	2.778	C7, C5	R	4	SCR01616	Y	
	32	2.778	C7	R	8	SCR01632	Y	
20	4	2.381	C7, C5	R	1	SCR02004(N)	V, I, U	3000
	5	3.175	C7, C5	R/L	1	SCR02005	V, U, BSH, S, H	
	20	3.175	C7, C5	R	4	SCR02020	V, Y, S, H	
	40	3.175	C7	R	8	SCR02040	Y	
25	4	2.381	C7	R	1	CR02504(N)	I, U	6000
	5	3.175	C7, C5	R/L	1	SCR02505	V, U, BSH, S, H	
	10	4.762	C7, C5	R	1	SCR02510-A	I, U, BSH	
	10	6.35	C7, C5	R	1	SCR02510-B	V	
	25	3.969	C7, C5	R	4	SCR02525	V, Y	
	50	3.969	C7	R	8	SCR02550	Y	
32	4	2.381	C7, C5	R	1	SCR03204(N)	V, I, U	6000
	5	3.175	C7, C5	R/L	1	SCR03205	V, I, U, M, S, H	
	10	6.35	C7, C5	R/L	1	SCR03210	V, I, U	
	32	4.762	C7	R	4	SCR03232	Y	
	64	4.762	C7	R	8	SCR03264	Y	



Table 1-13-2 Standard Specifications Ø40~80

Unit : mm

Model No.			Accuracy Grade	Threading Direction	Number of Grooves	Standard Code of Shaft	Type of Nut	Rolled Ball Screw maximum length
d	l	Da		R : Right L : Left				
40	5	3.175	C7、C5	R/L	1	SCR04005	V、I、U、S、H	6000
	10	6.35	C7	R/L	1	SCR04010	V、I、U	
	20	6.35	C7	R	2	SCR04020	V	
	40	6.35	C7	R	4	SCR04040	Y	
	80	6.35	C7	R	8	SCR04080	Y	
50	5	3.175	C7、C5	R	1	SCR05005	V、S、H	6000
	10	6.35	C7、C5	R/L	1	SCR05010	V、I、U	
	20	9.525	C7	R	1	SCR05020	V	
	50	7.938	C7	R	4	SCR05050	Y	
	100	7.938	C7	R	8	SCR050100	Y	
63	10	6.35	C7、C5	R	1	SCR06310	V、I、U	7000
	20	9.525	C7	R	1	SCR06320	V、U	
80	10	6.35	C7、C5	R	1	SCR08010	V、I、U	7000
	20	9.525	C7	R	1	SCR08020	V、U	

Table 1-13-3 H-type Specifications Ø16~50

Unit : mm

Model No.			Accuracy Grade	Threading Direction	Number of Grooves	Type-H Code of Shaft	Type of Nut	Rolled Ball Screw maximum length
Ød	l	Da		R : Right L : Left				
12	10	2.5	C7、C5	R	2	SSR01210	S	3000
16	5	2.778	C7、C5	R	1	SSR01605	S、H	3000
	10	2.778	C7、C5	R	2	SSR01610	S、H	
	16	2.778	C7、C5	R	4	SSR01616	S、H	
	20	2.778	C7、C5	R	4	SSR01620	S	
20	10	3.175	C7、C5	R	2	SSR02010	S、H	3000
25	10	3.175	C7、C5	R	2	SSR02510	S、H	6000
	25	3.175	C7	R	4	SSR02525	S、H	
32	10	3.969	C7、C5	R	1	SSR03210	S、H	6000
	20	3.969	C7	R	2	SSR03220	S、H	
	32	3.969	C7	R	4	SSR03232	S	
40	10	6.35	C7	R	1	SSR04010	S、H	6000
	20	6.35	C7、C5	R	2	SSR04020	S	
	40	6.35	C7	R	4	SSR04040	S	
50	10	6.35	C7	R	1	SSR05010	S、H	6000
	20	6.35	C7	R	2	SSR05020	S	
	50	6.35	C7	R	4	SSR05050	S	

※ The information is for specifications, if customized products are needed please contact LIMON.

