TBI MOTION BALL SCREW

2-1 Nominal Model Code of Ball Screw

SFU	R	025	05	T4	D	G	C5	-	600	-	P1	-	B2	+	N3	N3
	\top				\top											
1	2	3	4	5	6	7	8		9		10		1		(12)	13

1		2	5	$\overline{\mathcal{I}}$	
No	minal Model	Threading Direction	Number of Turns (Turn·Row)	Product Code	
	S : Single nut	R : Right	Turn : T : 1	G : Ground	
S	D : Double nut	L : Left	A : 1.5 (or 1.7/1.8)	F : Rolled	
	O : OFF set double nut		B : 2.5/2.8		
F	F : With flange	3	C : 3.5	8	
F	C : Without flange	Nominal Diameter	D:4.8	Accuracy Grade	
	NI : NI type nut	Unit : mm	ex : (2.5 × 2 = B2)	C0, C1, C2, C3, C5, C7, C10	
	NU : NU type nut				
	H : H type nut	4	6	9	
	NH : NH nut	Lead	Flange Type	Overall Length of Shaft	
U	(A solution for slide table)	Unit : mm	N : Not cutting	Unit : mm	
0	Y : Y type nut		S : Single cutting		
	V : V type nut		D : Double cutting		
	U : DIN nut				
	M : M type nut				
	K : K type nut				

0	1
Axial Clearance and Preload Value	Number of Nut
P0, P1, P2, P3, P4	(Leave blank if only one nut is required)
	Ex : Install two nuts on a shaft B2

(2)	(3)
Nut Surface Treatment	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.

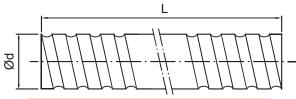


Fig 2.1.1 Screw Shaft Nominial Diameter

Table 211	Ground Ball Screw Specifications Ø4~32
	Ground ball screw specifications 64-52

			Ball Screw Specific					
	/lodel		Accuracy Grade	Threading Direction	Number of	Standard Code of	Type of Nut	
Ød	I	Da	· · · · · · · · · · · · · · · · · · ·	R : Right L : Left	Grooves	Shaft	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
4	1	0.8	C7, C5, C3	R	1	SCR00401	К	
6	1	0.8	C7, C5, C3	R	1	SCR00601	К	
	1	0.8	C7, C5, C3	R/L	1	SCR00801	К	
8	2	1.2	C7, C5, C3	R/L	1	SCR00802	К	
	2.5	1.2	C7, C5, C3	R	1	SCR0082.5	K, BSH	
10	2	1.2	C7, C5, C3	R/L	1	SCR01002	K, BSH	
	4	2	C7, C5, C3	R	1	SCR01004	K, BSH	
	2	1.2	C7, C5, C3	R/L	1	SCR01202	К	
12	4	2.5	C7, C5, C3	R	1	SCR01204	U, BSH	
12	5	2.5	C7, C5, C3	R	1	SCR01205-A	V, U, BSH, H	
	10	2.5	C7, C5, C3	R	2	SCR01210-B	V	
14	2	1.2	C7, C5, C3	R/L	1	SCR01402	К	
14	4	2.5	C7, C5, C3	R	1	SCR01404	BSH	
	2	1.2	C7, C5, C3	R/L	1	SCR01602	K	
	4	2.381	C7, C5, C3	R	1	SCR01604(N)	V, I, U, BSH	
16	5	3.175	C7, C5, C3	R/L	1	SCR01605	V, NI, NU, BSH	
10	10	3.175	C7, C5, C3	R/L	2	SCR01610	V, NI, NU, BSH	
	16	2.778	C7, C5, C3	R	2	SCR01616	Y	
	32	2.778	C7, C5, C3	R	2	SCR01632	Y	
	4	2.381	C7, C5, C3	R	1	SCR02004(N)	V, I, U	
	5	3.175	C7, C5, C3	R/L	1	SCR02005	V, NI, NU, BSH, H	
20	10	3.969	C7, C5, C3	R	1	SCR02010	V	
	20	3.175	C7, C5, C3	R	2	SCR02020	V, Y, H	
	40	3.175	C7, C5, C3	R	2	SCR02040	Y	
	4	2.381	C7, C5, C3	R	1	SCR02504(N)	I, U	
	5	3.175	C7, C5, C3	R/L	1	SCR02505	V, NI, NU, BSH, H	
	6	3.969	C7, C5, C3	R	1	SCR02506	V, U	
25	8	4.762	C7, C5, C3	R	1	SCR02508	V, U	
25	10	4.762	C7, C5, C3	R	1	SCR02510-A	NI, NU, BSH	
	10	6.35	C7, C5, C3	R	1	SCR02510-B	V	
	25	3.969	C7, C5, C3	R	2	SCR02525	Y	
	50	3.969	C7, C5, C3	R	2	SCR02550	Y	
	4	2.381	C7, C5, C3	R	1	SCR03204(N)	V, I, U	
	5	3.175	C7, C5, C3	R/L	1	SCR03205	V, NI, NU, M, H	
	6	3.969	C7, C5, C3	R	1	SCR03206	V, U	
32	8	4.762	C7, C5, C3	R	1	SCR03208	V, U	
52	10	6.35	C7, C5, C3	R/L	1	SCR03210	V, NI, NU	
	20	6.35	C7, C5, C3	R	1	SCR03220	V	
	32	4.762	C7, C5, C3	R	2	SCR03232	Y	
	64	4.762	C7, C5, C3	R	2	SCR03264	Y	

2-1 Nominal Model Code of Ball Screw

Table	Table 2.1.2Standard Specifications Ø40~80Unit : mm									
Ν	Model No.		Accuracy Grade	Threading Direction	Number of	Standard Code of	Turne of Nut			
Ød	Ι	Da	Accuracy Grade	R : Right L : Left	Grooves	Shaft	Type of Nut			
	5	3.175	C7, C5, C3	R / L	1	SCR04005	V, NI, NU, H			
	6	3.969	C7, C5, C3	R	1	SCR04006	V, NU			
	8	4.762	C7, C5, C3	R	1	SCR04008	V, NU			
40	10	6.35	C7, C5, C3	R / L	1	SCR04010	V, NI, NU			
	20	6.35	C7, C5, C3	R	2	SCR04020	V			
	40	6.35	C7, C5, C3	R	2	SCR04040	Y			
	80	6.35	C7, C5, C3	R	2	SCR04080	Y			
	5	3.175	C7, C5, C3	R	1	SCR05005	V, H			
	10	6.35	C7, C5, C3	R / L	1	SCR05010	V, NI, NU			
50	20	9.525	C7, C5, C3	R	1	SCR05020	V			
	50	7.938	C7, C5, C3	R	2	SCR05050	Y			
	100	7.938	C7, C5, C3	R	2	SCR050100	Y			
63	10	6.35	C7, C5, C3	R	1	SCR06310	V, NI, NU			
03	20	9.525	C7, C5, C3	R	1	SCR06320	V, NU			
80	10	6.35	C7, C5, C3	R	1	SCR08010	V, NI, NU			
80	20	9.525	C7, C5, C3	R	1	SCR08020	V, NU			

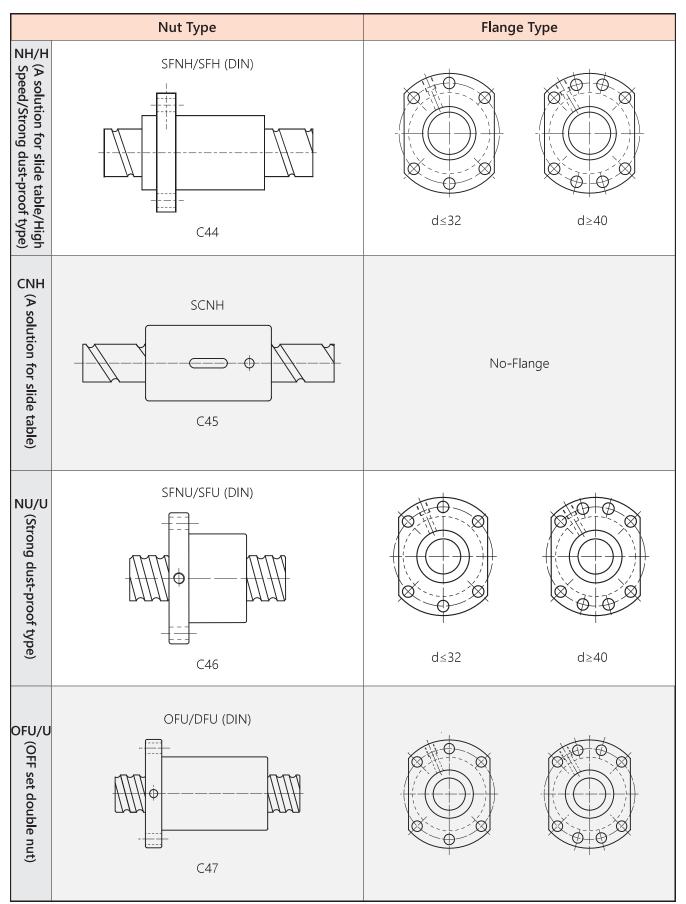
Table 2.1.3 H-type Specifications Ø16~50

TUDIC	Table 2.1.5 Theype Specifications @16~50 Onit . Init									
Ν	Лode	No.	Accuracy Grade	Threading Direction	Number of	Type-H Code of	Type of Nut			
Ød	Ι	Da	Accuracy Grade	R : Right L : Left	Grooves	Shaft	Type of Nut			
12	10	2.5	C7, C5, C3	R	1	SSR01210	Н			
	5	2.778	C7, C5, C3	R	1	SSR01605	Н			
16	10	2.778	C7, C5, C3	R	1	SSR01610	Н			
10	16	2.778	C7, C5, C3	R	1	SSR01616	Н			
	20	2.778	C7, C5, C3	R	1	SSR01620	Н			
20	10	3.175	C7, C5, C3	R	1	SSR02010	Н			
25	10	3.175	C7, C5, C3	R	1	SSR02510	Н			
25	25	3.175	C7, C5, C3	R	1	SSR02525	Н			
	10	3.969	C7, C5, C3	R	1	SSR03210	Н			
32	20	3.969	C7, C5, C3	R	1	SSR03220	Н			
	32	6.35	C7, C5, C3	R	1	SSR03232	Н			
	10	6.35	C7, C5, C3	R	1	SSR04010	Н			
40	20	6.35	C7, C5, C3	R	1	SSR04020	Н			
	40	6.35	C7, C5, C3	R	1	SSR04040	Н			
	10	6.35	C7, C5, C3	R	1	SSR05010	Н			
50	20	6.35	C7, C5, C3	R	1	SSR05020	Н			
	50	6.35	C7, C5, C3	R	1	SSR05050	Н			

Unit : mm

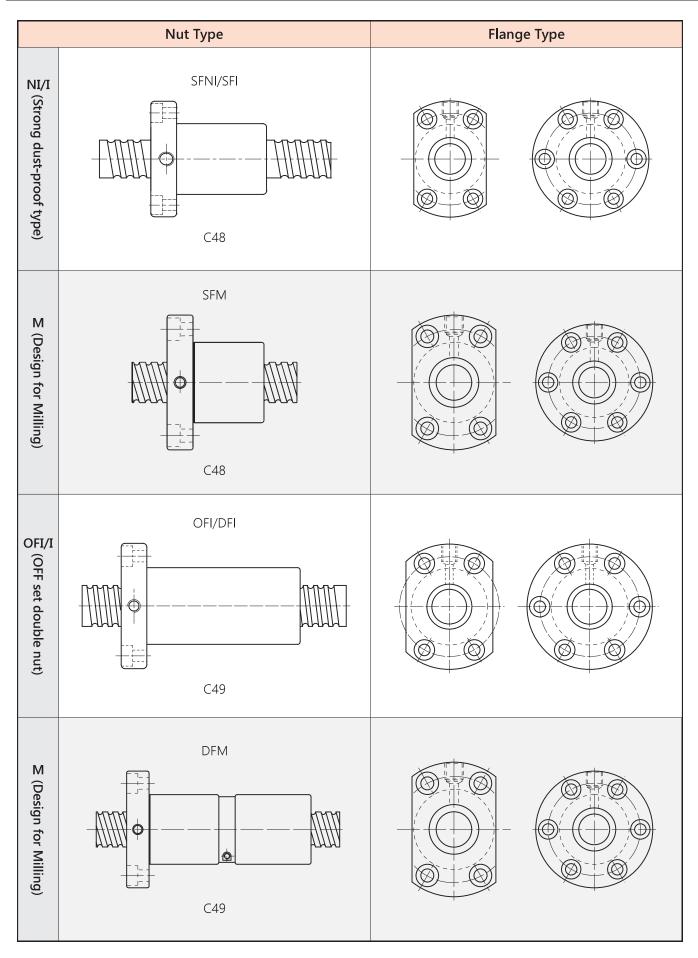
*The information is for specifications, if customized products are needed please contact TBI MOTION.

■ 2-2-1 *TBI MOTION* Nut of Precision Ground Ball Screw Type



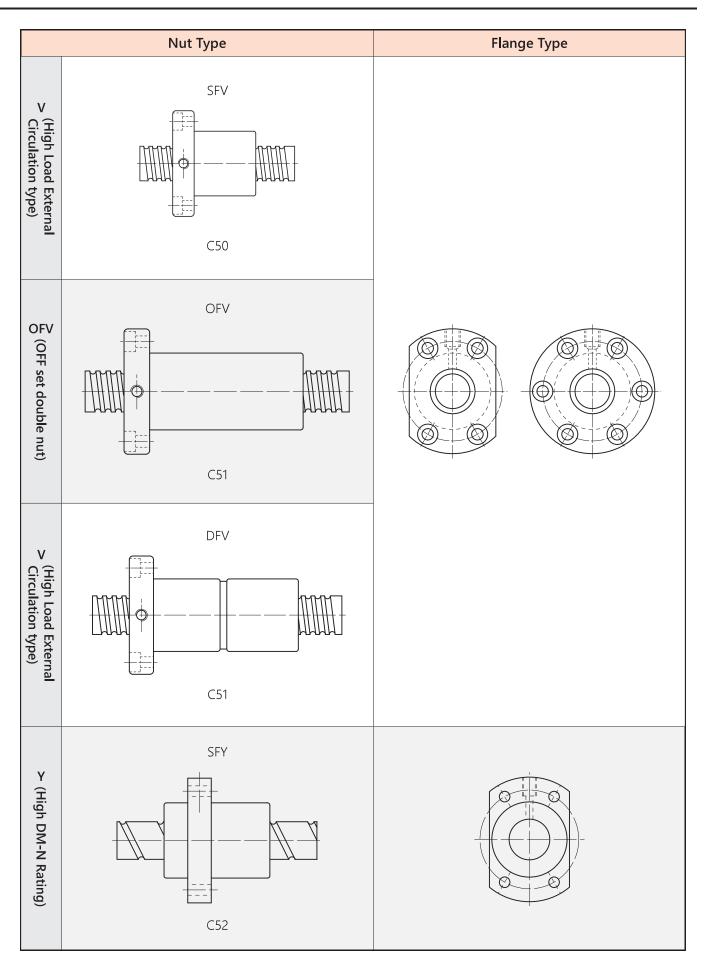
TBI MOTION BALL SCREW

2-2 Precision Ground Ball Screw Series



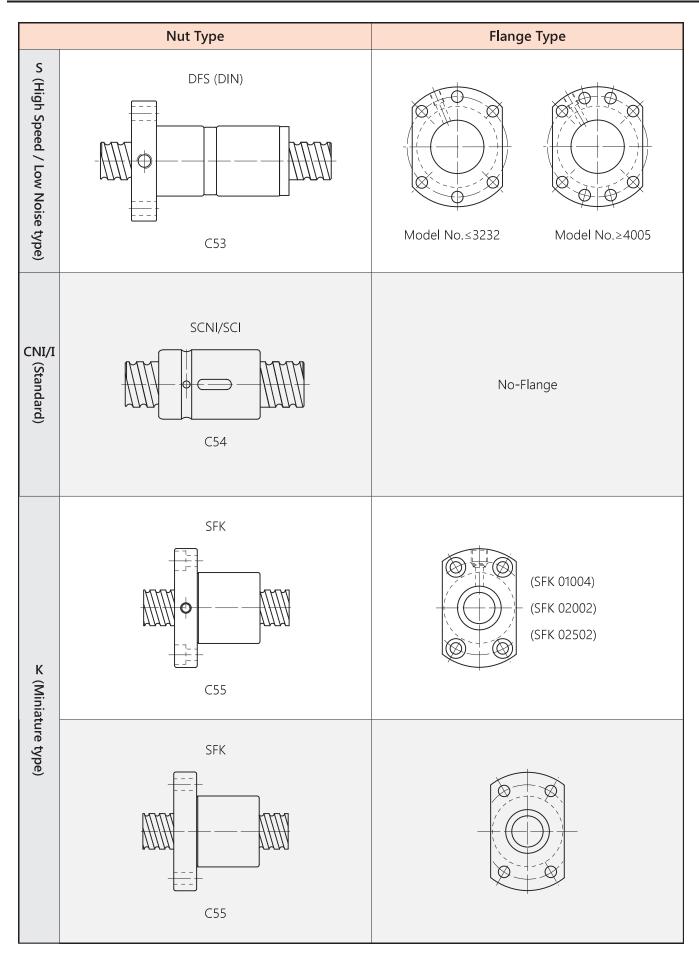
Ball Screw

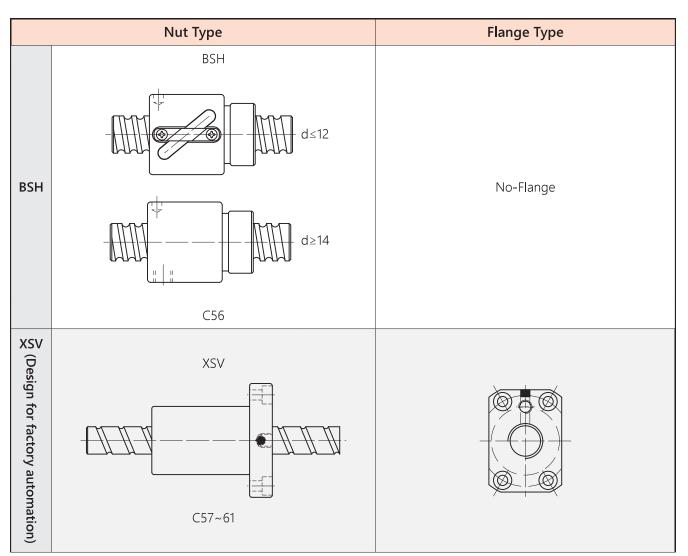
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TBI MOTION BALL SCREW

2-2 Precision Ground Ball Screw Series





%The information is for specifications, if customized products is are needed please contact **TBI MOTION**.

Preload	I, U, M-type	H-type	Y-type	V-type	BSH-type	K-type
P0						
P1	\checkmark	\checkmark	√	√	\checkmark	\checkmark
P2	\checkmark	\checkmark	\checkmark	√	\checkmark	
P3	\checkmark	\checkmark	√	√	\checkmark	
P4				√		