

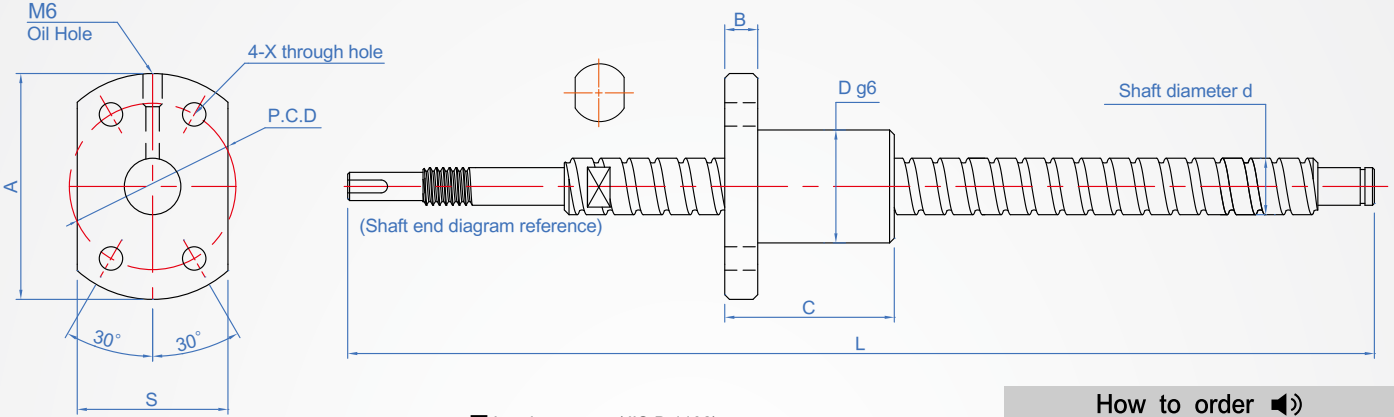
Shaft diameter 14~40

**B series**

Internal Circulation

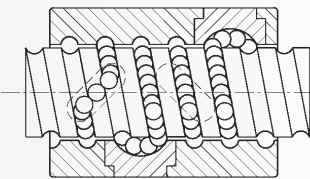


Precision	screw	Shaft hardness		Nuts	
		Material	Hardness	Material	Hardness
C7	Transformation grade	S55C	Tempered Fire (HRC60)	SCM415H	Tempering (HRC60)
C5	Grinding grade				



Inner loop features/construction

The outer diameter of the nut is lighter, suitable for machines with small internal space



Internal circulation nut diagram

Lead accuracy (JIS B 1192) Unit : mm

Accuracy level	C7	C10
Cumulative lead time error	±0.05/300	±0.21/300

Tolerance of the accumulated lead error ( $\pm E_c$ ) and variation ( $e$ ) of the base lead for an arbitrary 300mm effective thread

Axial standard clearance Unit : mm

Shaft diameter	Axial clearance(max)
14~28	0.10
30~32	0.14
36~40	0.17

How to order

TYPE B - 1404 - 200 - C7 - [ ]

No. L precision

Select semi-finished & finished products

[ ] .....Full screw thread unmachined

[V] .....Shaft end machining(with drawing)

Select guide rod accuracy

C5(for grinding grade screw) [C5]

Select axial clearance

Standard clearance..... [ZF]

0 Gap..... [Z0]

Light preload...(Only used in C5 class) [Z1]

No.	d Guide	Guide	L Designation 1mm	A	B	C	D	S	P.C.D	X	Ball Diameter	Basic load (kgf)	
												Ca (Move)kN	Ca (Quiet)kN
1404	14	4	120 ~ 1000	50	10	40	31	37	40	4.5	2.381	684	792
1405						45	32	38				1013	1056
1605	16	5	160 ~ 1200	54	10	42	34	40	44	4.5	3.175	1049	1144
2005	20					47	40	46				1181	1496
2505	25	5	250 ~ 1500	67	10	47	43	50	55	5.5	3.175	1330	1936
2510-A		10				75	60	72				78	9
2510-B	97		2881	3695									
3210-A	32	10	300 ~ 2000	103	15	78	67	78	85	9	6.35	3775	5877
3210-B						97						4834	7835
4010	40	10	400 ~ 2000	116	17	100	76	88	96	11		5399	10074