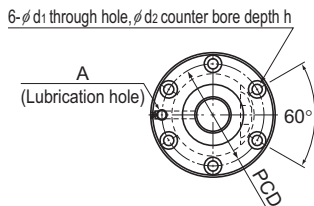


# BIF (Unfinished Shaft Ends) With Preload

DN value	70,000
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Model No.	Ball screw specifications							Nut			
	Screw shaft outer diameter d	Lead Ph	Ball center-to-center diameter dp	Thread minor diameter dc	No. of loaded circuits Rows X turns	Basic load rating		Outer diameter D	Flange diameter D <sub>f</sub>	Overall length L <sub>1</sub>	Nut H
						Ca kN	C <sub>0a</sub> kN				
BIF 4010-5 BIF 4010-10	40	10	41.75	34.4	1×2.5 2×2.5	29 52.7	70.4 141.1	82	124	103 163	18
BIF 4012-5 BIF 4012-10	40	12	42	34.1	1×2.5 2×2.5	33.9 61.6	79.2 158.8	84	126	119 191	18
BIF 5010-5 BIF 5010-10	50	10	51.75	44.4	1×2.5 2×2.5	32 58.2	88.2 176.4	93	135	103 163	18

## Model number coding

**BIF4012-10 RR G0 +1230L C5 A**

Model No.

Symbol for clearance  
in the axial direction<sup>2</sup>

Accuracy symbol<sup>3</sup>

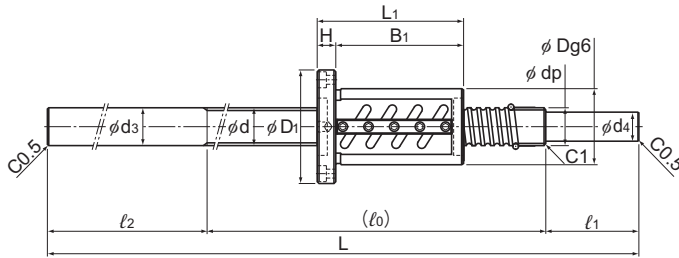
Unfinished shaft ends code (A or B)

Seal symbol<sup>1</sup>

Overall screw shaft  
length (in mm)

<sup>1</sup> See **A15-356**. <sup>2</sup> See **A15-19**. <sup>3</sup> See **A15-12**.

## Positioning Ball Screw



Unit: mm

Dimensions						Screw shaft dimensions								Nut mass kg	Shaft mass kg/m	Permissible rotational speed min <sup>-1</sup>
B <sub>1</sub>	PCD	d <sub>1</sub>	d <sub>2</sub>	h	Lubrication hole A	Standard stock symbol	Overall length L	l <sub>0</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>				
85 145	102	11	17.5	11	M6	A	1,230	1,000	70	160	40	30.3	3.58 5.18	6.59	1,670	
							1,730	1,500								
							2,030	1,800								
							2,230	2,000								
101 173	104	11	17.5	11	M6	A	1,230	1,000	70	160	40	30.3	4.2 6.24	6.39	1,660	
							1,730	1,500								
							2,030	1,800								
							2,230	2,000								
						B	1,730	1,200	100	430	40	33.8				
							2,030	1,200		730						
85 145	113	11	17.5	11	Rc1/8 (PT1/8)	A	1,300	1,000	100	200	50	40.3	4.4 6.35	11.36	1,350	
							1,800	1,500								
							2,300	2,000								
							2,800	2,500								

Ball Screw