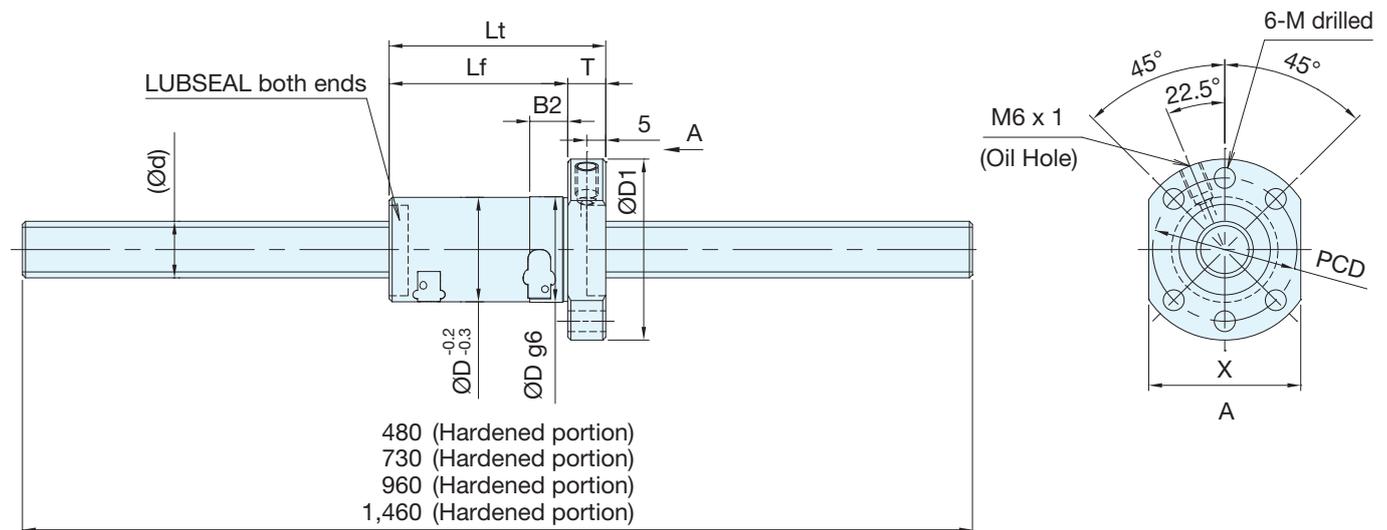


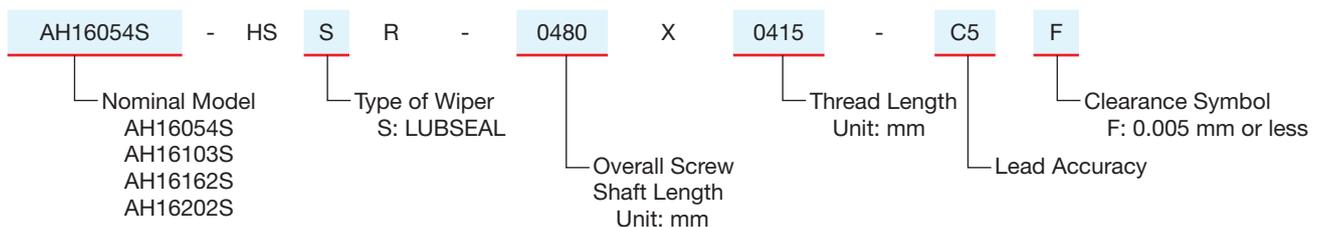
Ball Screw Specifications

Nominal Model	AH16054S	AH16103S	AH16162S	AH16202S
Nominal Diameter [mm] - Lead [mm]	16 - 5	16 - 10	16 - 16	16 - 20
Number of Circuits / Thread Direction	3.7 turns per row / Right	2.7 turns per row / Right	1.7 turns per row / Right	1.7 turns per row / Right
Ball Diameter [mm]	2.778	2.778	2.778	2.778
Root Diameter [mm]	12.7	12.7	12.7	12.7
Basic Dynamic Load Rating C [N]	8,400	6,300	4,200	4,100
Basic Static Load Rating C_0 [N]	13,300	9,700	6,100	6,100
Accuracy Grade / Clearance Symbol	C5/F	C5/F	C5/F	C5/F
Axial Clearance [mm]	0.005 or less	0.005 or less	0.005 or less	0.005 or less
Ball Re-Circulation System	Side Deflector™ method	Side Deflector™ method	Side Deflector™ method	Side Deflector™ method
Wiper / Lubrication Unit	LUBSEAL™	LUBSEAL™	LUBSEAL™	LUBSEAL™
Lubricant	Multemp LRL No.3	Multemp LRL No.3	Multemp LRL No.3	Multemp LRL No.3
Maximum Rotational Speed [min^{-1}]	5,000 DN \leq 150,000	5,000 DN \leq 150,000	5,000 DN \leq 150,000	5,000 DN \leq 150,000



Nominal Model	Nominal Diameter	Lead Ph	Screw Shaft Diameter d	Nut Dimensions								
				Outer Diameter D	Flange Diameter D1	Total Length Lt	Thickness T	Body Length Lf	Length B2	Mounting Hole PCD	Mounting Hole Diameter M	Width X
AH16054S	16	5	15	28	48	47	10	37	10	38	5.5	40
AH16103S		10				57		47				
AH16162S		16				58		48				
AH16202S		20				66		56				

Guide to Model Numbers



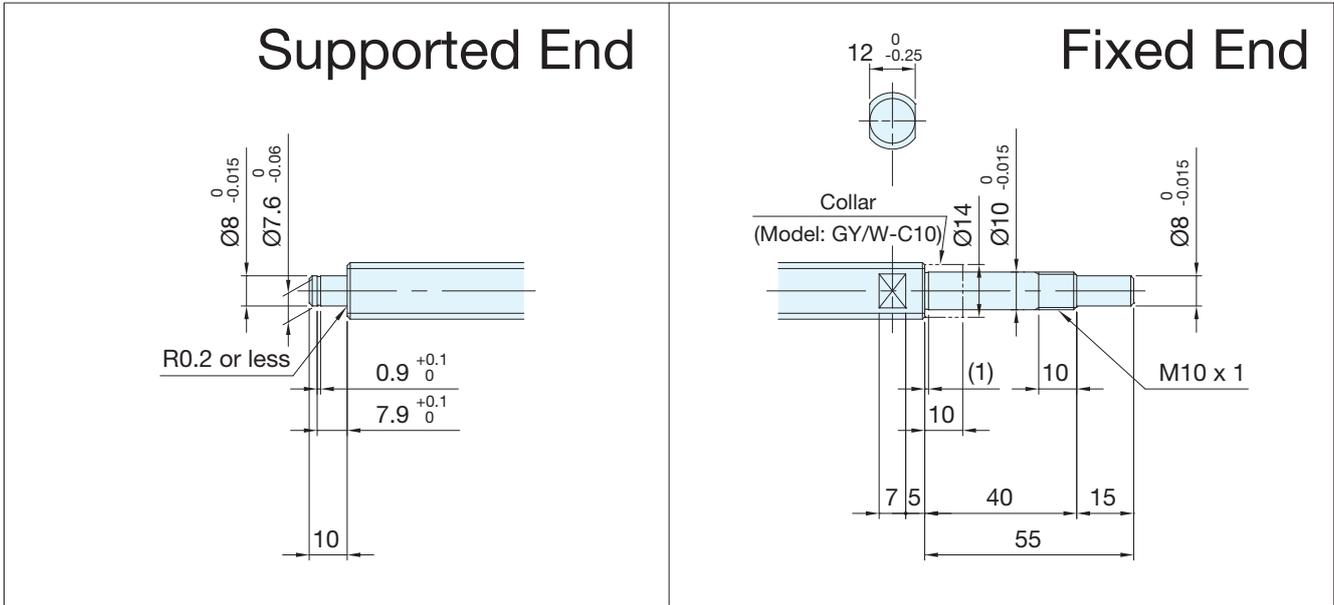
● **Shaft End Design**

Recommended shaft end configurations are available by size for AH Series ball screws.

As well as our recommended shaft end configuration below, additional machining for keyways, tap holes, D-cut machining, etc. are also available upon request.

A sample machined shaft end configuration is shown below.

Model example: Shaft end not machined (left page) ⇒ Shaft end machined
 AH16054S-HSSR-0480A ⇒ AH16054S-HSSR-0480 X 0415 -C5F
 ↳ Thread Length
 ↳ Overall Screw Shaft Length



● **Applicable Support Units**

Applicable supported end support units	Applicable fixed end support units
BUK-8S (square) Refer to page 22	BUK-10/BUK-10F (square) Refer to page 22
BUM-8S (round) Refer to page 23	BUM-10/BUM-10F (round) Refer to page 23

● **Optional Specifications**

Anti-rust black oxide film treatment (film thickness 1-2 μm) is available.