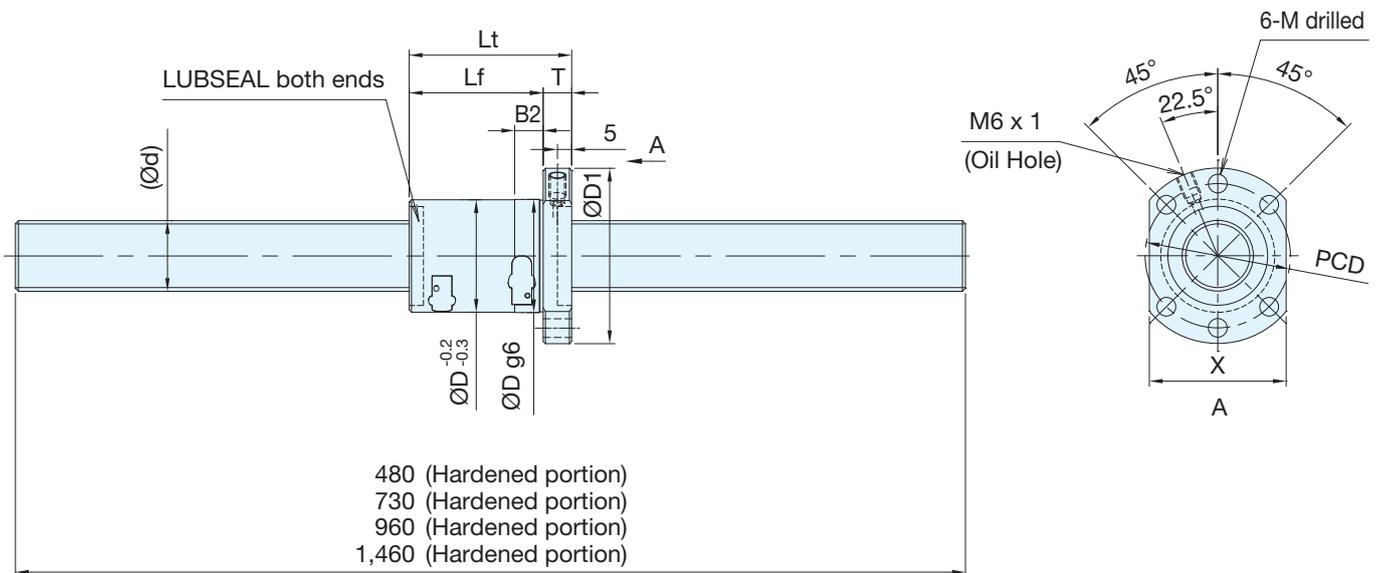


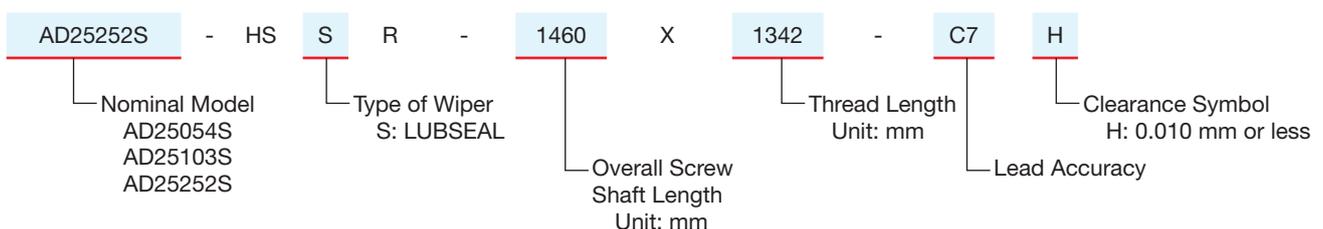
## Ball Screw Specifications

Nominal Model	AD25054S	AD25103S	AD25252S
Nominal Diameter [mm] - Lead [mm]	25 - 5	25 - 10	25 - 25
Number of Circuits / Thread Direction	3.7 turns per row / Right	2.7 turns per row / Right	1.7 turns per row / Right
Ball Diameter [mm]	3.175	3.175	3.175
Root Diameter [mm]	22.5	22.5	22.5
Basic Dynamic Load Rating C [N]	11,400	8,700	5,700
Basic Static Load Rating $C_0$ [N]	23,100	16,900	10,600
Accuracy Grade / Clearance Symbol	C7 / H	C7 / H	C7 / H
Axial Clearance [mm]	0.010 or less	0.010 or less	0.010 or less
Ball Re-Circulation System	Side Deflector™ method	Side Deflector™ method	Side Deflector™ method
Wiper / Lubrication Unit	LUBSEAL™	LUBSEAL™	LUBSEAL™
Lubricant	Multemp LRL No.3	Multemp LRL No.3	Multemp LRL No.3
Maximum Rotational Speed [ $\text{min}^{-1}$ ]	5,000 DN $\leq$ 100,000	5,000 DN $\leq$ 100,000	5,000 DN $\leq$ 100,000



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
AD25054S	25	5	25	40	62	47	10	37	10	51	6.6	48
AD25103S		10				57		47				
AD25252S		25				76		66				

## Guide to Model Numbers



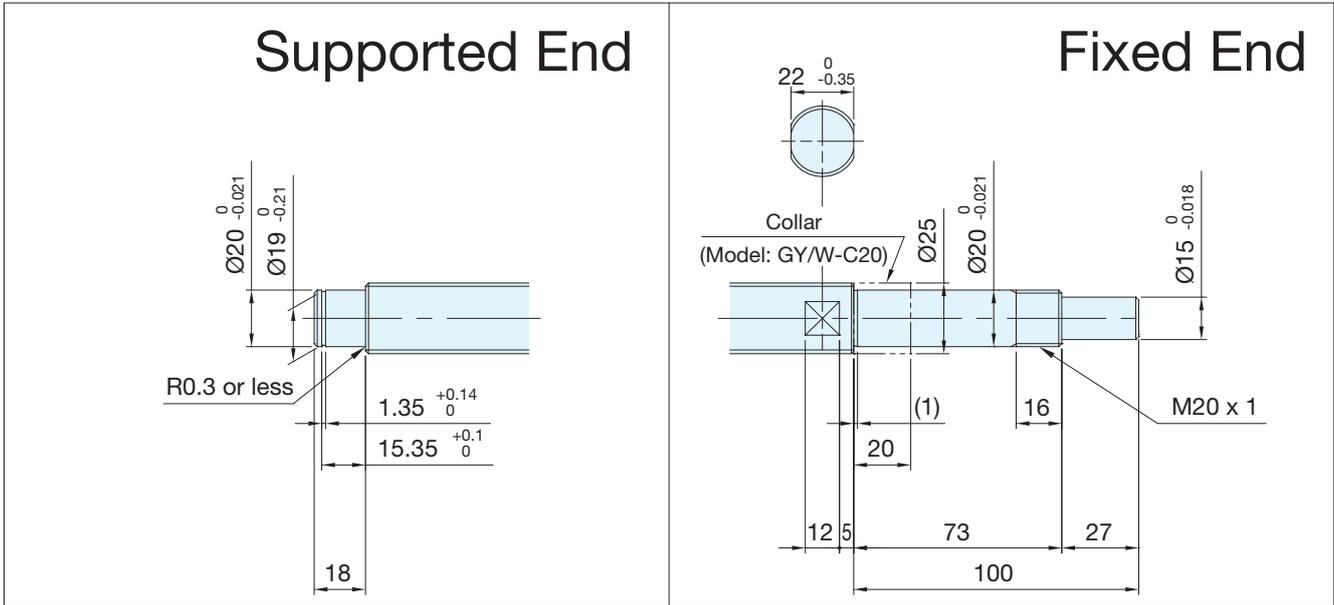
**● Shaft End Design**

Recommended shaft end configurations are available by size for AD 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  
 AD25252S-HSSR-1460A ⇒ AD25252S-HSSR-1460 X 1342 -C7H  
 ↳ Thread Length  
 ↳ Overall Screw Shaft Length



**● Applicable Support Units**

Applicable supported end support units	Applicable fixed end support units
BUK-20S (square) Refer to page 22	BUK-20/BUK-20F (square) Refer to page 22
BUM-20S (round) Refer to page 23	BUM-20/BUM-20F (round) Refer to page 23

**● Optional Specifications**

Anti-rust black oxide film treatment (film thickness 1-2  $\mu\text{m}$ ) is available.