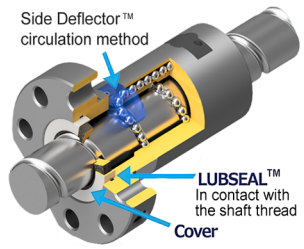
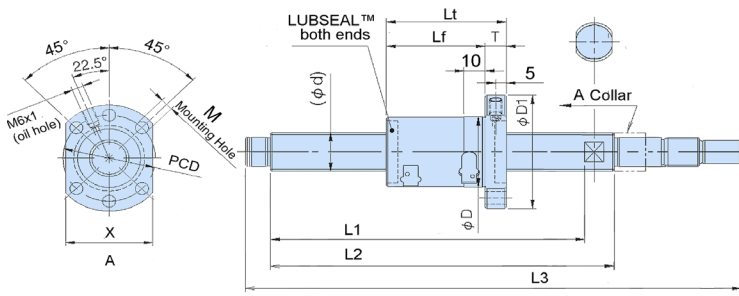


A-Series: Next Generation Side Deflector™

High-speed, Low-noise, Compact Ball Screw with LUBSEAL™

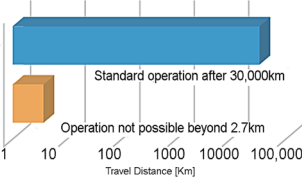


LUBSEAL™ is a lubrication unit fitted in contact with the shaft thread and supplies a proper amount of lubricant. Designed to maximize ball screw performance without sacrificing shaft length, LUBSEAL units prolong maintenance-free operation with no loss in range in motion, while also providing low sliding resistance.



With LUBSEAL
(Lubrication applied before test)

No Lubrication



[Test Conditions]
Shaft Ø: 15mm
Lead: 20mm
Axial Clearance: 0.005mm or less
Rotational speed: 3000min⁻¹
Stroke: 400mm

Ordering Example: A-Series

Series	Screw Shaft Dia	Shaft Lead	# of Circuits	Nut Type	Flange Type	Ball Return System	Wiper Material	Thread Direction	Overall Screw Shaft Length	Shaft End Type	Thread Length	Accuracy Grade	Axial Clearance
AD	20	05	4	S	H	S	S	R	1460	X	1360	C7	H
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭

Shaft & Nut Dimensions: AH (C5 Accuracy), AK (C5 Accuracy), AD (C7 Accuracy),

Model No.	Thread Accuracy	Shaft Dimensions					Nut Dimensions												
		Nominal Shaft Ø _d (mm)	Lead L (mm)	Basic Dynamic Load Rating C	Basic Static Load Rating c ₀	Overall Shaft Length L ₃ (mm)	Nut Body Ø D (mm)	Nut Overall Length Lt (mm)	Nut Body Length Lf (mm)	Thickness T (mm)	Width X (mm)	Diam Ø D1 (mm)	PCD (mm)	Mounting Hole M (mm)					
AH16054S-HSSR	C5	16	05	8400	13300	480, 730, 960, or 1460	28	47	37	10	40	48	38	5.5					
AH16103S-HSSR			10	6300	9700	480, 730, 960, or 1460		57	47										
AH16162S-HSSR			16	4200	6100	480, 730, 960, or 1460		58	48										
AH16202S-HSSR			20	4100	6100	480, 730, 960, or 1460		66	56										
AH20054S-HSSR		20	05	11500	20500	480, 730, 960, or 1460	36	50	40	10	44	58	47	5.5					
AH20103S-HSSR			10	8700	14900	480, 730, 960, or 1460		57	47										
AH20202S-HSSR			20	5700	9400	480, 730, 960, or 1460		66	56										
AH25054S-HSSR			05	12700	25700	480, 730, 960, or 1460		47	37										
AH25103S-HSSR		25	10	9700	18800	480, 730, 960, or 1460	40	57	47	10	48	62	51	6.6					
AH25252S-HSSR			25	6300	11800	480, 730, 960, or 1460		76	66										
AK1205*S-HSSR			05	5900	8100	480, 730, 960, or 1460		43	33										
AK1210*S-HSSR		C5	12	10	3700	5100	480, 730, 960, or 1460	25	46	36	10	27	40	35	4.4				
AK1505*S-HSSR	05			7600	11100	480, 730, 960, or 1460	45		35										
AK1510*S-HSSR	15		10	4900	7000	480, 730, 960, or 1460	30	46	36	10						32	47	41	5.5
AK1520*S-HSSR			20	4900	7000	480, 730, 960, or 1460		65	55										
AK2005*S-HSSR			05	8800	15000	480, 730, 960, or 1460		48	36										
AK2010*S-HSSR	20		10	11300	18400	480, 730, 960, or 1460	37	61	49	12						38	57	50	6.6
AK2020*S-HSSR			20	7600	11600	480, 730, 960, or 1460		70	58										
AD16054S-HSSR	C7		16	05	7600	12000	480, 730, 960, or 1460	28	47	37						10	40	48	38
AD16103S-HSSR		10		5700	8700	480, 730, 960, or 1460	57		47										
AD16162S-HSSR		16		3800	5500	650 or 1150	58		48										
AD16202S-HSSR		20		3700	5500	650 or 1150	66		56										
AD20054S-HSSR		20	05	10400	18500	650, 900, 1150, or 1650	36	50	40	10	44	58	47	5.5					
AD20103S-HSSR			10	7800	13400	650, 900, 1150, or 1650		57	47										
AD20202S-HSSR			20	5100	8500	650, 900, 1150, or 1650		66	56										
AD25054S-HSSR			05	11400	23100	650, 900, 1150, or 1650		47	37										
AD25103S-HSSR		25	10	8700	16900	650, 900, 1150, or 1650	40	57	47	10	48	62	51	6.6					
AD25252S-HSSR			25	5700	10600	650, 900, 1150, or 1650		76	66										

* Number of Circuits are 1.7, 2.7 or 3.7 turns per 1 row
AH Axial clearance F: 0.005mm or less, AD Axial clearance H: 0.010mm
Wiper Material S: LUBSEAL