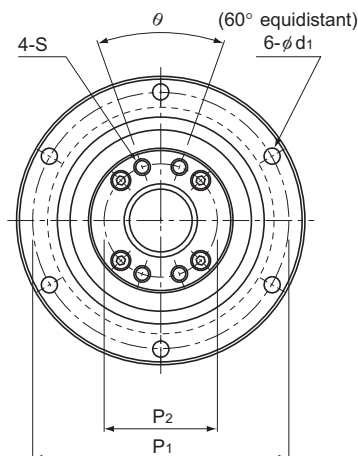


BLR (Rolled Ball Screw) No Preload

DN value	70,000
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Model No.	Screw shaft outer diameter d	Thread minor diameter dc	Lead Ph	Ball center-to-center diameter dp	Basic load rating		Outer diameter D	Flange diameter D ₁	Overall length L ₁	D ₃
					Ca kN	C _{0a} kN				
BLR 1616-3.6	16	13.7	16	16.65	5.8	12.9	52 ⁰ _{-0.007}	68	43.5	40 ⁰ _{-0.025}
BLR 2020-3.6	20	17.5	20	20.75	7.7	22.3	62 ⁰ _{-0.007}	78	54	50 ⁰ _{-0.025}
BLR 2525-3.6	25	21.9	25	26	12.1	35	72 ⁰ _{-0.007}	92	65	58 ⁰ _{-0.03}
BLR 3232-3.6	32	28.3	32	33.25	17.3	53.9	80 ⁰ _{-0.007}	105	80	66 ⁰ _{-0.03}
BLR 3636-3.6	36	31.7	36	37.4	22.4	70.5	100 ⁰ _{-0.008}	130	93	80 ⁰ _{-0.03}
BLR 4040-3.6	40	35.2	40	41.75	28.1	89.8	110 ⁰ _{-0.008}	140	98	90 ⁰ _{-0.035}
BLR 5050-3.6	50	44.1	50	52.2	42.1	140.4	120 ⁰ _{-0.008}	156	126	100 ⁰ _{-0.035}

Model number coding

BLR2020-3.6 K UU +1000L C7 T

Model number Flange orientation symbol Overall screw shaft length (in mm) Symbol for rolled Ball Screw

Symbol for support bearing seal¹ Accuracy symbol²

¹ UU: seal attached on both ends; No symbol: without seal. ² See **A15-12**.

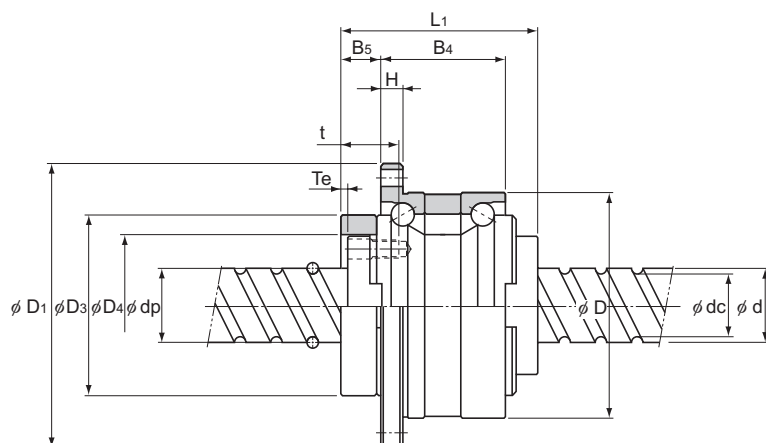
Note: For clearance in the axial direction, see **A15-19**.

A15-300 THK

Download data from
the THK Online Services website.

<https://www.thk.com/>

Rotary Nut Ball Screw



Unit: mm

Ball screw dimensions													Support bearing basic load rating		Nut inertial moment	Nut mass	Shaft mass	Permissible rotational speed
	D ₄	H	B ₄	B ₅	T _e	P ₁	P ₂	S	t	d ₁	θ°		Ca kN	C _{0a} kN	kg·m ²	kg	kg/m	min ⁻¹
	32 ^{+0.025 0}	5	27.5	9	2	60	25	M4	12	4.5	40		19.4	19.2	4.80×10 ⁻⁵	0.38	1.35	4,200
	39 ^{+0.025 0}	6	34	11	2	70	31	M5	16	4.5	40		26.8	29.3	1.44×10 ⁻⁴	0.68	2.17	3,370
	47 ^{+0.025 0}	8	43	12.5	3	81	38	M6	19	5.5	40		28.2	33.3	3.23×10 ⁻⁴	1.1	3.41	2,690
	58 ^{+0.03 0}	9	55	14	3	91	48	M6	19	6.6	40		30	39	6.74×10 ⁻⁴	1.74	5.69	2,100
	66 ^{+0.03 0}	11	62	17	3	113	54	M8	22	9	40		56.4	65.2	1.68×10 ⁻³	3.2	7.12	1,870
	73 ^{+0.03 0}	11	68	16.5	3	123	61	M8	22	9	50		59.3	74.1	2.79×10 ⁻³	3.95	8.76	1,670
	90 ^{+0.035 0}	12	80	25	4	136	75	M10	28	11	50		62.2	83	5.82×10 ⁻³	6.22	13.79	1,340

Ball Screw

Options⇒ **A15-355**

THK A15-301