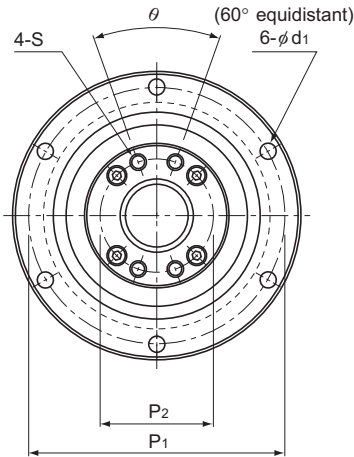


BLR (Rolled Ball Screw) No Preload

DN value	70,000
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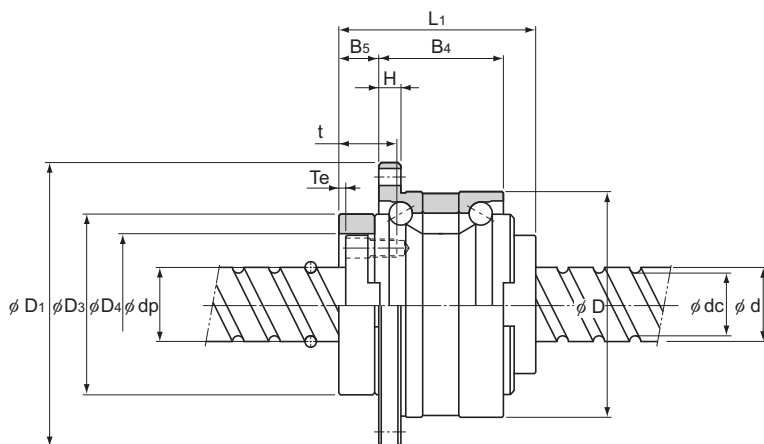


Model No.	Screw shaft outer diameter d	Thread minor diameter dc	Lead Ph	Ball center-to-center diameter dp	Basic load rating		Outer diameter D	Flange diameter D1	Overall length L1	D3
					Ca kN	Ca kN				
BLR 1616-3.6	16	13.7	16	16.65	5.8	12.9	52 ⁰ _{-0.007}	68	43.5	40 ⁰ _{-0.025}
BLR 2020-3.6	20	17.5	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 support bearing seal¹ Accuracy symbol² Symbol for rolled 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
	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