

Rolled Rotary Ball Screw Model BLR

Ball Screw

B Product Specifications

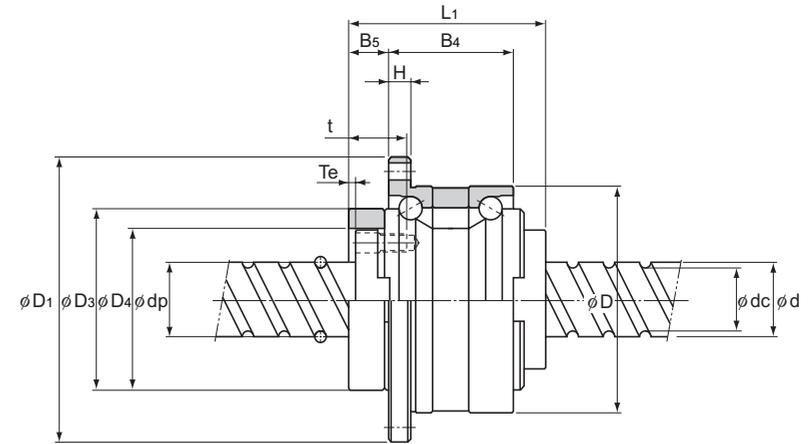
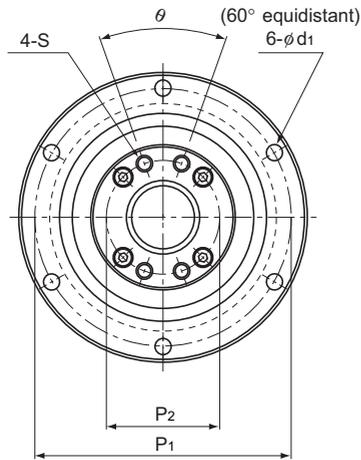
Dimensional Drawing, Dimensional Table
Model BLR Large Lead Rotary Nut
Rolled Ball Screw B-748
Maximum Length of the Ball Screw Shaft B-750

A Technical Descriptions of the Products (Separate)

Technical Descriptions
Structure and features..... A-797
Type A-797
Service Life A-704
Axial clearance..... A-685
Accuracy Standards A-798
Example of Assembly..... A-799

* Please see the separate "A Technical Descriptions of the Products".

Model BLR Large Lead Rotary Nut Rolled Ball Screw



Unit: mm

Model No.	Screw shaft outer diameter	Thread minor diameter	Lead	Ball center-to-center diameter	Basic load rating		Ball screw dimensions														Support bearing basic load rating		Nut inertial moment	Nut mass	Shaft mass	
					Ca	C _{0a}	Outer diameter	Flange diameter	Overall length	D ₃	D ₄	H	B ₄	B ₅	T _e	P ₁	P ₂	S	t	d ₁	θ°	Ca				C _{0a}
					kN	kN	D	D ₁	L ₁	D ₃	D ₄	H	B ₄	B ₅	T _e	P ₁	P ₂	S	t	d ₁	θ°	kN				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}	32 ^{+0.025} ₀	5	27.5	9	2	60	25	M4	12	4.5	40	19.4	19.2	0.48	0.38	1.35
BLR 2020-3.6	20	17.5	20	20.75	7.7	22.3	62 ⁰ _{-0.007}	78	54	50 ⁰ _{-0.025}	39 ^{+0.025} ₀	6	34	11	2	70	31	M5	16	4.5	40	26.8	29.3	1.44	0.68	2.17
BLR 2525-3.6	25	22	25	26	12.1	35	72 ⁰ _{-0.007}	92	65	58 ⁰ _{-0.03}	47 ^{+0.025} ₀	8	43	12.5	3	81	38	M6	19	5.5	40	28.2	33.3	3.23	1.1	3.41
BLR 3232-3.6	32	28.3	32	33.25	17.3	53.9	80 ⁰ _{-0.007}	105	80	66 ⁰ _{-0.03}	58 ^{+0.03} ₀	9	55	14	3	91	48	M6	19	6.6	40	30	39	6.74	1.74	5.69
BLR 3636-3.6	36	31.7	36	37.4	22.4	70.5	100 ⁰ _{-0.008}	130	93	80 ⁰ _{-0.03}	66 ^{+0.03} ₀	11	62	17	3	113	54	M8	22	9	40	56.4	65.2	16.8	3.2	7.12
BLR 4040-3.6	40	35.2	40	41.75	28.1	89.8	110 ⁰ _{-0.008}	140	98	90 ⁰ _{-0.035}	73 ^{+0.03} ₀	11	68	16.5	3	123	61	M8	22	9	50	59.3	74.1	27.9	3.95	8.76
BLR 5050-3.6	50	44.1	50	52.2	42.1	140.4	120 ⁰ _{-0.008}	156	126	100 ⁰ _{-0.035}	90 ^{+0.035} ₀	12	80	25	4	136	75	M10	28	11	50	62.2	83	58.2	6.22	13.79

Model number coding

BLR2020-3.6 K UU +1000L C7 T

Model number | Flange orientation symbol (*1) | Overall screw shaft length (in mm) | Symbol for support bearing seal (*2) | Symbol for rolled Ball Screw | Accuracy symbol (*3)

(*1) See A-799. (*2) UU: seal attached on both ends; No symbol: without seal (*3) See A-678.

Note) For clearance in the axial direction, see A-685.