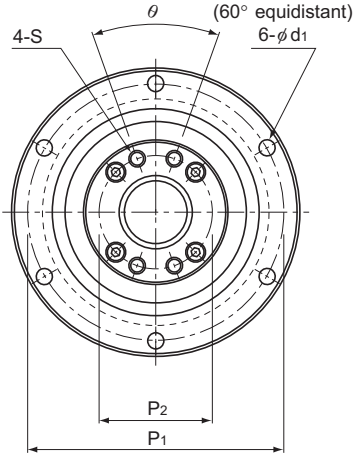
BLR (Precision Ball Screw) No Preload

DN value	70,000



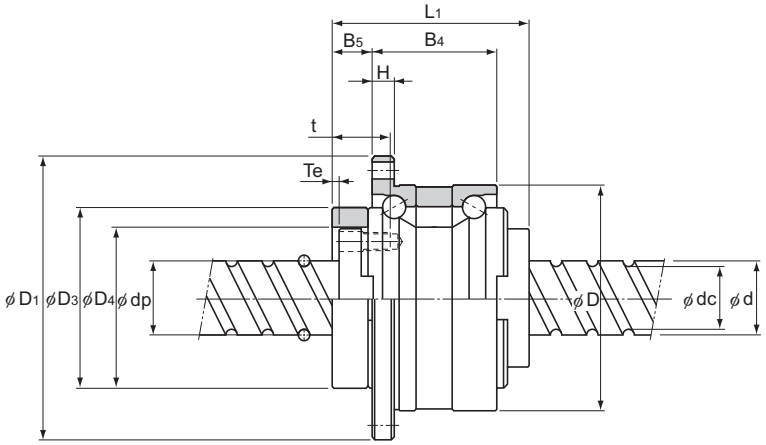
Model No.	Screw shaft outer diameter d	Thread minor diameter dc	Lead Ph	Ball center-to-center diameter dp	Basic load rating Ca kN	Basic load rating C0a kN	Outer diameter D	Flange diameter D1	Overall length L1	D3
BLR 1616-3.6	16	13.7	16	16.65	7.1	14.3	52 $^{0}_{-0.007}$	68	43.5	40 $^{0}_{-0.025}$
BLR 2020-3.6	20	17.5	20	20.75	11.1	24.7	62 $^{0}_{-0.007}$	78	54	50 $^{0}_{-0.025}$
BLR 2525-3.6	25	21.9	25	26	16.6	38.7	72 $^{0}_{-0.007}$	92	65	58 $^{0}_{-0.03}$
BLR 3232-3.6	32	28.3	32	33.25	23.7	59.5	80 $^{0}_{-0.007}$	105	80	66 $^{0}_{-0.03}$
BLR 3636-3.6	36	31.7	36	37.4	30.8	78	100 $^{0}_{-0.008}$	130	93	80 $^{0}_{-0.03}$
BLR 4040-3.6	40	35.2	40	41.75	38.7	99.2	110 $^{0}_{-0.008}$	140	98	90 $^{0}_{-0.035}$
BLR 5050-3.6	50	44.1	50	52.2	57.8	155	120 $^{0}_{-0.008}$	156	126	100 $^{0}_{-0.035}$

Model number coding

BLR2020-3.6 K UU G1 +1000L C5

- BLR2020-3.6: Model number
- K: Flange orientation symbol
- UU: Symbol for support bearing seal[1]
- G1: Symbol for clearance in the axial direction[2]
- +1000L: Overall screw shaft length (in mm)
- C5: Accuracy symbol[3]

[1] UU: Seal attached on both ends No symbol: Without seal. [2] See A15-19. [3] See A15-12.



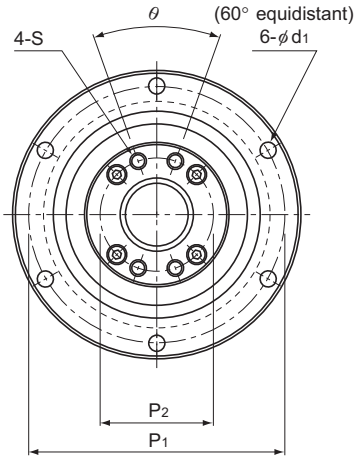
Unit: mm

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	Te	P_1	P_2	S	t	d_1	θ°	Ca kN	C_0a kN	$kg \cdot m^2$	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	1.41	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	2.25	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	3.52	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	5.83	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	7.34	1,870
	$73^{+0.03}$	11	68	16.5	3	123	61	M8	22	9	50	59.3	74.1	2.79×10^{-3}	3.95	9.01	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	14.08	1,340

Options⇒A15-355

BLR (Rolled Ball Screw) No Preload

DN value	70,000



Model No.	Screw shaft outer diameter d	Thread minor diameter dc	Lead Ph	Ball center-to-center diameter dp	Basic load rating Ca kN	Basic load rating C0a kN	Outer diameter D	Flange diameter D1	Overall length L1	D3
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 $^{0}_{-0.035}$

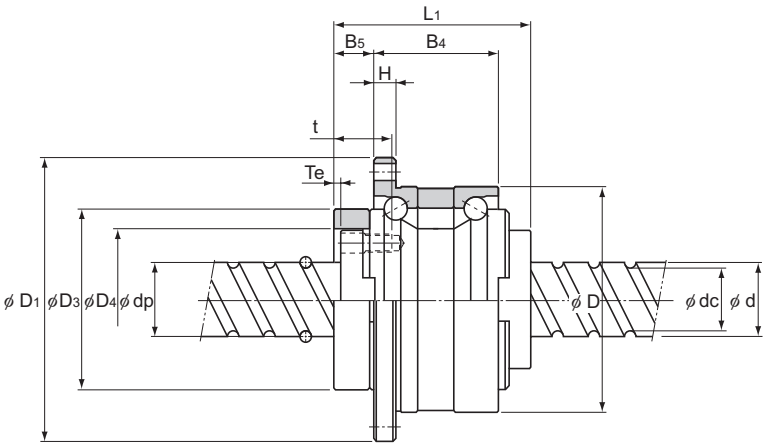
Model number coding

BLR2020-3.6 K UU +1000L C7 T

- BLR2020-3.6: Model number
- K: Flange orientation symbol
- UU: Symbol for support bearing seal[1]
- +1000L: Overall screw shaft length (in mm)
- C7: Accuracy symbol[2]
- T: Symbol for rolled Ball Screw

[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.



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	Te	P_1	P_2	S	t	d_1	θ°	Ca kN	C_{0a} kN	kg·m²	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	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

Options⇒A15-355