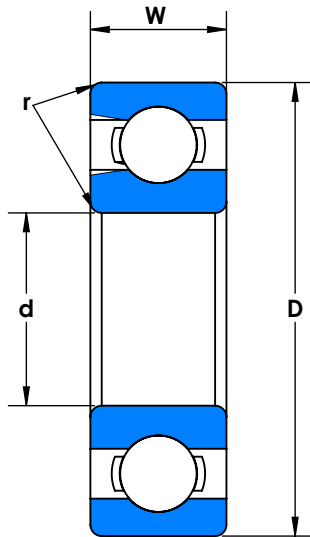


Maximum Capacity Type Radial Ball Bearing

BL200 Series — Maximum Capacity Light



Ring Material: Standard AISI 52100 or 440C stainless steel equivalent.

Ball Material: Standard AISI 52100 or 440C stainless steel equivalent.

Closures: open, shields or seals

Seal materials: NBR, EPDM, ACM, FKM and Silicone

Seal contact type: Standard, light and tight contact

Cage Design: Crimped steel ribbon, crown steel cage, molded plastic cage, etc.

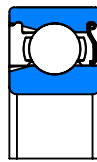
Radial clearance: C0 to C3, or as specified by the customer

Precision level: Abec 1 to ABEC5

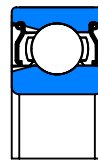
Lubricant: Standard industrial grease

Maximum type ball bearing BL2 and BL3 types contain a larger number of balls than normal deep groove ball bearings. A filling slot is located in the inner and outer rings. They are not suitable for applications with high axial loads

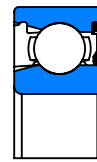
Open



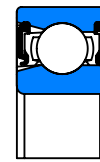
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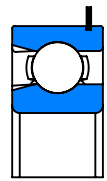
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RS



2RS



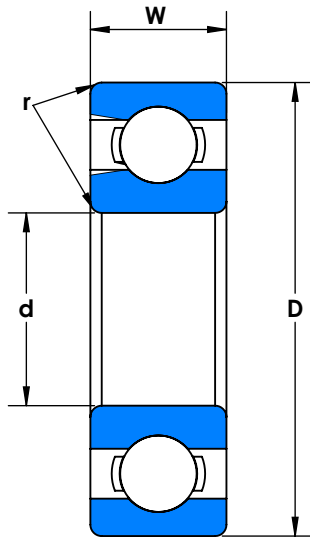
NR

WJB Bearing No	Bore d		Outer Diameter D		Width W		Radius r*	Preferred Shoulder Diameter da		Limiting Speeds (1000 RPM)		Basic Loading Rating kN		Weight (Ref) kg
	mm	inch	mm	inch	mm	inch		min inch	max inch	Grease	Oil	Dynamic Cr	Static Cor	
BL205	25	0.9843	52	2.0472	15	0.5906	0.039	1.182	1.261	12.0	15.0	14.5	10.5	0.13
BL206	30	1.1811	62	2.4409	16	0.6299	0.039	1.379	1.517	10.0	12.0	21.1	16.2	0.21
BL207	35	1.3780	72	2.8346	17	0.6693	0.039	1.635	1.753	9.0	11.0	27.8	22.0	0.31
BL208	40	1.5748	80	3.1496	18	0.7087	0.039	1.832	1.970	8.0	9.5	35.4	28.9	0.39
BL209	45	1.7717	85	3.3465	19	0.7480	0.039	2.029	2.187	7.5	9.0	37.1	31.8	0.45
BL210	50	1.9685	90	3.5433	20	0.7874	0.039	2.226	2.364	6.7	8.5	38.9	33.7	0.50
BL211	55	2.1654	100	3.9370	21	0.8268	0.059	2.482	2.620	6.3	7.5	48.0	44.0	0.66
BL212	60	2.3622	110	4.3307	22	0.8661	0.059	2.679	2.935	5.6	6.7	58.3	54.3	0.85
BL213	65	2.5591	120	4.7244	23	0.9055	0.059	2.876	3.152	5.3	6.3	63.6	60.1	1.09
BL214	70	2.7559	125	4.9213	24	0.9449	0.059	3.073	3.310	5.0	6.0	68.9	66.3	1.19
BL215	75	2.9528	130	5.1181	25	0.9843	0.059	3.270	3.546	4.5	5.6	72.1	71.6	1.29
BL216	80	3.1496	140	5.5118	26	1.0236	0.079	3.507	3.763	4.3	5.3	84.1	85.0	1.58
BL217	85	3.3465	150	5.9055	28	1.1024	0.079	3.704	4.019	4.0	5.0	93.0	93.0	1.95
BL218	90	3.5433	160	6.2992	30	1.1811	0.079	3.901	4.236	3.8	4.5	106.3	107.2	2.40
BL219	95	3.7402	170	6.6929	32	1.2598	0.079	4.176	4.492	3.6	4.3	120.5	122.8	2.89
BL220	100	3.9370	180	7.0866	34	1.3386	0.079	4.373	4.787	3.4	4.0	135.7	140.1	3.48
BL221	105	4.1339	190	7.4803	36	1.4173	0.079	4.570	5.024	3.0	3.6	191.3	211.3	4.17

*Maximum fillet which corner radius of bearing will clear

Maximum Capacity Type Radial Ball Bearing

BL300 Series — Maximum Capacity Medium



Ring Material: Standard AISI 52100 or 440C stainless steel equivalent.

Ball Material: Standard AISI 52100 or 440C stainless steel equivalent.

Closures: open, shields or seals

Seal materials: NBR, EPDM, ACM, FKM and Silicone

Seal contact type: Standard, light and tight contact

Cage Design: Crimped steel ribbon, crown steel cage, molded plastic cage, etc.

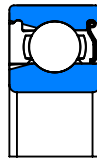
Radial clearance: C0 to C3, or as specified by the customer

Precision level: Abec 1 to ABEC5

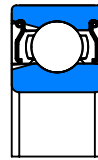
Lubricant: Standard industrial grease

Maximum type ball bearing BL2 and BL3 types contain a larger number of balls than normal deep groove ball bearings. A filling slot is located in the inner and outer rings. They are not suitable for applications with high axial loads

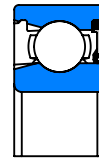
Open



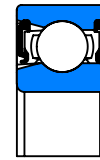
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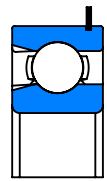
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2RS



NR

WJB Bearing No	Bore d		Outer Diameter D		Width W		Radius r*	Preferred Shoulder Diameter da		Limiting Speeds (1000 RPM)		Basic Loading Rating kN		Weight (Ref) kg
	mm	inch	mm	inch	mm	inch		min inch	max inch	Grease	Oil	Dynamic Cr	Static Cor	
BL305	25	0.9843	62	2.4409	17	0.6693	0.039	1.241	1.418	11.0	13.0	21.6	15.3	0.24
BL306	30	1.1811	72	2.8346	19	0.7480	0.039	1.438	1.655	9.0	11.0	27.8	20.7	0.36
BL307	35	1.3780	80	3.1496	21	0.8268	0.059	1.694	1.753	8.0	9.5	37.1	29.1	0.49
BL308	40	1.5748	90	3.5433	23	0.9055	0.059	1.891	2.069	7.5	9.0	46.3	35.8	0.67
BL309	45	1.7717	100	3.9370	25	0.9843	0.059	2.088	2.423	6.3	8.0	55.6	44.0	0.88
BL310	50	1.9685	110	4.3307	27	1.0630	0.079	2.325	2.679	6.0	7.1	64.9	52.5	1.14
BL311	55	2.1654	120	4.7244	29	1.1417	0.079	2.522	2.857	5.6	6.7	74.7	61.4	1.47
BL312	60	2.3622	130	5.1181	31	1.2205	0.079	2.797	3.113	5.0	6.0	85.4	71.6	1.85
BL313	65	2.5591	140	5.5118	33	1.2992	0.079	2.994	3.369	4.8	5.6	102.8	89.9	2.31
BL314	70	2.7559	150	5.9055	35	1.3780	0.079	3.191	3.625	4.3	5.3	115.7	102.3	2.83
BL315	75	2.9528	160	6.2992	37	1.4567	0.079	3.388	3.881	4.0	5.0	125.9	115.7	3.37
BL316	80	3.1496	170	6.6929	39	1.5354	0.079	3.585	4.117	3.8	4.5	135.7	129.9	4.03
BL317	85	3.3465	180	7.0866	41	1.6142	0.099	3.861	4.354	3.6	4.3	146.8	144.6	4.70
BL318	90	3.5433	190	7.4803	43	1.6929	0.099	4.058	4.610	3.4	4.0	157.9	160.1	5.37
BL319	95	3.7402	200	7.8740	45	1.7717	0.099	4.255	4.886	2.8	3.6	169.0	177.9	6.39

*Maximum fillet which corner radius of bearing will clear