

600 Series* Open

Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
601X	R-615	1.5	6	2.5	334	98	75	90	0.31
602	R-725	2.0	7	2.8	383	128	60	71	0.50
602X	R-825	2.5	8	2.8	549	177	60	71	0.61
603	R-930	3.0	9	3.0	569	186	56	67	0.84
604	R-1240	4.0	12	4.0	961	353	48	56	2.19
605	R-1450	5.0	14	5.0	1334	510	40	50	3.46
606	R-1760	6.0	17	6.0	2266	844	38	45	5.94
607	R-1970	7.0	19	6.0	2335	893	36	43	7.80
608	R-2280	8.0	22	7.0	3296	1383	34	40	11.80
609	—	9.0	24	7.0	3335	1422	32	38	14.70

* All Bearings are available with stainless steel 440C

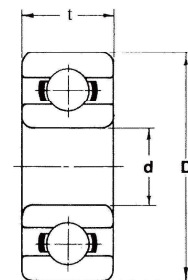
620 Series* Open

Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
623	R-1030	3	10	4	627.8	215.8	50	60	1.45
624	R-1340	4	13	5	1305	490.5	40	48	3.10
625	R-1650	5	16	5	1727	676.9	36	43	4.95
626	R-1960	6	19	6	2335	892.7	32	40	8.12
627	R-2270	7	22	7	3286	1383	30	36	12.70
628	—	8	24	8	3335	1422	28	34	17.10
629	R-2690	9	26	8	4571	1982	28	34	19.00

* All Bearings are available with stainless steel 440C

630 Series*

Open



Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
633	—	3	13	5	1305	490.5	40	48	3.27
634	R-1640	4	16	5	1344	519.9	36	43	5.24
635	—	5	19	6	2335	892.7	32	40	8.50
636	—	6	22	7	3335	1422	30	36	13.90
637	—	7	26	9	4571	1982	28	34	24.20
638	—	8	28	9	4571	1982	28	34	28.10
639	—	9	30	10	4660	2080	24	30	36.20

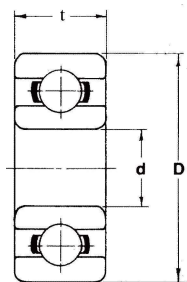
* All Bearings are available with stainless steel 440C

680 Series*

Open

Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
681	L-310	1.0	3	1.0	74	20	130	150	0.03
681X	L-415	1.5	4	1.2	108	34	100	120	0.10
682	L-520	2.0	5	1.5	167	49	85	100	0.15
682X	L-625	2.5	6	1.8	186	59	71	80	0.20
683	L-730	3.0	7	2.0	314	108	63	75	0.32
684	L-940	4.0	9	2.5	638	226	53	63	0.65
685	L-1150	5.0	11	3.0	716	294	45	53	1.16
686	L-1360	6.0	13	3.5	1079	441	40	50	1.87
687	L-1470	7.0	14	3.5	1177	510	40	50	2.03
688	L-1680	8.0	16	4.0	1256	589	36	43	3.11
689	L-1790	9.0	17	4.0	1324	667	36	43	3.41

* All Bearings are available with stainless steel 440C



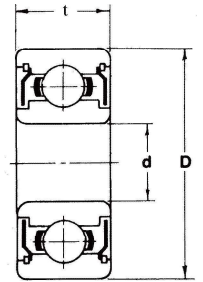
690 Series* Open

Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
691	R-410	1.0	4	1.6	137	39.2	100	120	0.11
691X	R-515	1.5	5	2.0	167	49.1	85	100	0.20
692	R-620	2.0	6	2.3	334	98.1	75	90	0.28
692X	R-725	2.5	7	2.5	383	128	63	75	0.40
693	R-830	3.0	8	3.0	559	177	60	67	0.60
694	R-1140	4.0	11	4.0	961	353	48	56	1.69
695	R-1350	5.0	13	4.0	1079	432	43	50	2.39
696	R-1560	6.0	15	5.0	1344	520	40	45	3.85
697	—	7.0	17	5.0	1609	716	36	43	5.26
698	—	8.0	19	6.0	2237	922	36	43	7.12
699	L-2090	9.0	20	6.0	2472	1079	34	40	3.38

* All Bearings are available with stainless steel 440C

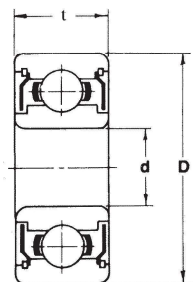
MR Series*

Double Shielded



Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
MR41XZZ	—	1.2	4	2.5	108	34	110	130	0.14
MR52ZZ	L-520ZZW52	2.0	5	2.5	167	49	85	100	0.20
MR62ZZ	R-620ZZY52	2.0	6	2.5	334	98	75	90	0.33
MR72ZZ	R-720ZZY03	2.0	7	3.0	383	128	63	75	0.53
MR63ZZ	L-630ZZ	3.0	6	2.5	206	74	71	80	0.28
MR83ZZ	—	3.0	8	3.0	392	137	60	67	0.67
MR93ZZ	R-930ZZY04	3.0	9	4.0	569	186	56	67	1.15
MR74ZZ	L-740ZZ	4.0	7	2.5	255	108	60	67	0.33
MR84ZZ	L-840ZZ	4.0	8	3.0	392	137	56	67	0.56
MR104ZZ	L-1040ZZ	4.0	10	4.0	589	206	48	56	1.33
MR85ZZ	L-850ZZ	5.0	8	2.5	216	88	53	63	0.34
MR95ZZ	L-950ZZ	5.0	9	3.0	432	167	50	60	0.58
MR105ZZ	L-1050ZZ	5.0	10	4.0	432	167	50	60	1.26
MR115ZZ	—	5.0	11	4.0	716	294	45	53	0.62
MR106ZZ	L-1060ZZ	6.0	10	3.0	500	216	45	53	0.70
MR126ZZ	L-1260ZZ	6.0	12	4.0	716	294	43	50	1.66
MR117ZZ	L-1170ZZ	7.0	11	3.0	451	206	43	50	0.71
MR137ZZ	L-1370ZZ	7.0	13	4.0	540	275	40	48	2.01
MR128ZZ	L-1280ZZ	8.0	12	3.5	540	275	40	48	0.99
MR148ZZ	L-1480ZZ	8.0	14	4.0	814	383	38	45	2.19

* All Bearings are available with stainless steel 440C



600 Series* Double Shielded

Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
601XZZ	R-615ZZ	1.5	6	3.0	334	98	75	90	0.40
602ZZ	R-720ZZ	2.0	7	3.5	383	128	60	71	0.60
620XZZ	R-825ZZ	2.5	8	4.0	549	177	60	71	0.85
603ZZ	R-930ZZ	3.0	9	5.0	569	186	56	67	1.43
604ZZ	R-1240ZZ	4.0	12	4.0	961	353	48	56	2.34
605ZZ	R-1450ZZ	5.0	14	5.0	1334	510	40	50	3.75
606ZZ	R-1760ZZ	6.0	17	6.0	2266	844	38	45	6.89
607ZZ	R-1970ZZ	7.0	19	6.0	2335	893	36	43	8.24
608ZZ	R-2280ZZ	8.0	22	7.0	3296	1383	34	40	12.90
609ZZ	—	9.0	24	7.0	3335	1422	32	38	16.00

* All Bearings are available with stainless steel 440C

Please indicate '-2RS' behind the basic number, instead of 'ZZ' if you are looking for both side rubber seal bearing.

620 Series* Double Shielded

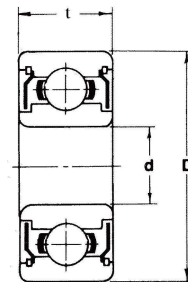
Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
623ZZ	R-1030ZZ	3	10	4	628	216	50	60	1.65
624ZZ	R-1340ZZ	4	13	5	1305	491	40	48	3.20
625ZZ	R-1650ZZ	5	16	5	1727	677	36	43	5.10
626ZZ	R-1960ZZ	6	19	6	2335	893	32	40	8.65
627ZZ	R-2270ZZ	7	22	7	3286	1383	30	36	13.10
628ZZ	—	8	24	8	3335	1422	28	34	18.50
629ZZ	R-2690ZZ	9	26	8	4571	1982	28	34	21.80

* All Bearings are available with stainless steel 440C

Please indicate '-2RS' behind the basic number, instead of 'ZZ' if you are looking for both side rubber seal bearing.

630 Series*

Double Shielded



Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
633ZZ	—	3	13	5	1305	491	40	48	3.43
634ZZ	R-1640ZZ	4	16	5	1344	520	36	43	5.44
635ZZ	—	5	19	6	2335	893	32	40	8.89
636ZZ	—	6	22	7	3335	1422	30	36	14.50
637ZZ	—	7	26	9	4571	1982	28	34	25.80
638ZZ	—	8	28	9	4571	1982	28	34	30.30
639ZZ	—	9	30	10	4660	2080	24	30	37.10

Please indicate '-2RS' behind the basic number, instead of 'ZZ' if you are looking for both side rubber seal bearing.

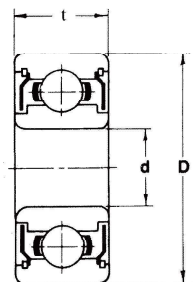
680 Series*

Double Shielded

Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
681XZZ	L-415ZZ	1.5	4	2.0	108	34	100	120	0.14
682ZZ	L-520ZZ	2.0	5	2.3	167	49	85	100	0.20
682XZZ	L-625ZZ	2.5	6	2.6	186	59	71	80	0.35
683ZZ	L-730ZZ	3.0	7	3.0	314	108	63	75	0.45
684ZZ	L-940ZZ	4.0	9	4.0	638	226	53	63	1.00
685ZZ	L-1150ZZ	5.0	11	5.0	716	294	45	53	1.93
686ZZ	L-1360ZZ	6.0	13	5.0	1079	441	40	50	2.68
687ZZ	L-1470ZZ	7.0	14	5.0	1177	510	40	50	2.95
688ZZ	L-1680ZZ	8.0	16	5.0	1256	589	36	43	4.05
689ZZ	L-1790ZZ	9.0	17	5.0	1324	667	36	43	4.38

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690 Series* Double Shielded

Bearing Number	Equivalent Number	Dimensions (mm)			Basic Load Ratings (N)		Limiting Speed X 10 ³ (rev/min)		Weight (g)
		Bore d	OD D	Width t	C _r	C _{or}	Grease	Oil	
691XZZ	R-515ZZ	1.5	5	2.6	167	49	85	100	0.25
692ZZ	R-620ZZ	2.0	6	3.0	334	98	75	90	0.35
692XZZ	R-725ZZ	2.5	7	3.5	383	128	63	75	0.55
693ZZ	R-830ZZ	3.0	8	4.0	559	177	60	67	0.80
694ZZ	R-1140ZZ	4.0	11	4.0	961	353	48	56	1.75
695ZZ	R-1350ZZ	5.0	13	4.0	1079	432	43	50	2.31
696ZZ	R-1560ZZ	6.0	15	5.0	1344	520	40	45	3.65
697ZZ	—	7.0	17	5.0	1609	716	36	43	5.01
698ZZ	—	8.0	19	6.0	2237	922	36	43	7.57
699ZZ	L-2090ZZ	9.0	20	6.0	2472	1079	34	40	8.54

* All Bearings are available with stainless steel 440C

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