

Single Row Deep Groove Ball Bearings **MÄDLER**[®], inner diameter 3 - 17 mm

Material: Bearing steel.

- Standard ball bearings in high quality.
- Most common bearing type.
- Usable for high speed.
- Insensitive in use and maintenance.
- On choice: With friction-free metal shields ZZ (= ZZ) or with contacting rubber seals 2RS.

Temperature range: -20°C to +90°C (for short time up to +110°C).

Clearance CN: Normal bearing play. **Clearance C3:** Greater play.

Other versions or other bearing types on request.

Ordering Details: e.g.: Product No. 623-ZZ-MAE, Ball Bearing



Product No. Clearance CN	Product No. Clearance C3	Main dimensions			Version	Load rating radial		Speed limit min ⁻¹	Weight g
		d mm	D mm	B mm		dyn.C kN	stat.C ₀ kN		
623-ZZ-MAE	623-ZZ-C3-MAE	3	10	4	shielded on both sides	0,63	0,22	50.000	1,7
623-2RS-MAE	-	3	10	4	sealed on both sides	0,63	0,22	40.000	1,6
604-ZZ-MAE	-	4	12	4	shielded on both sides	0,97	0,36	43.000	2,1
604-2RS-MAE	-	4	12	4	sealed on both sides	0,97	0,36	43.000	2,1
624-ZZ-MAE	624-ZZ-C3-MAE	4	13	5	shielded on both sides	1,30	0,49	40.000	3
624-2RS-MAE	-	4	13	5	sealed on both sides	1,30	0,49	39.000	2,9
685-ZZ-MAE	-	5	11	5	shielded on both sides	0,73	0,26	45.000	1
685-2RS-MAE	-	5	11	5	sealed on both sides	0,73	0,26	45.000	1
605-ZZ-MAE	-	5	14	5	shielded on both sides	1,35	0,50	41.000	3,5
605-2RS-MAE	-	5	14	5	sealed on both sides	1,35	0,50	41.000	3,5
625-ZZ-MAE	625-ZZ-C3-MAE	5	16	5	shielded on both sides	1,73	0,67	36.000	4,9
625-2RS-MAE	625-2RS-C3-MAE	5	16	5	sealed on both sides	1,73	0,67	25.000	4,9
686-ZZ-MAE	-	6	13	5	shielded on both sides	1,11	0,41	41.000	1,8
686-2RS-MAE	-	6	13	5	sealed on both sides	1,11	0,41	41.000	1,8
696-ZZ-MAE	-	6	15	5	shielded on both sides	1,37	0,50	39.000	3,9
696-2RS-MAE	-	6	15	5	sealed on both sides	1,37	0,50	39.000	3,9
606-ZZ-MAE	-	6	17	6	shielded on both sides	2,10	0,85	35.000	5,8
606-2RS-MAE	-	6	17	6	sealed on both sides	2,10	0,85	35.000	5,8
626-ZZ-MAE	626-ZZ-C3-MAE	6	19	6	shielded on both sides	2,34	0,89	32.000	7,9
626-2RS-MAE	626-2RS-C3-MAE	6	19	6	sealed on both sides	2,34	0,89	22.000	7,9
607-ZZ-MAE	607-ZZ-C3-MAE	7	19	6	shielded on both sides	2,34	0,89	36.000	7,5
607-2RS-MAE	607-2RS-C3-MAE	7	19	6	sealed on both sides	2,34	0,89	22.000	7,5
627-ZZ-MAE	-	7	22	7	shielded on both sides	3,30	1,37	30.000	12,9
627-2RS-MAE	-	7	22	7	sealed on both sides	3,30	1,37	20.000	12,9
688-ZZ-MAE	-	8	16	5	shielded on both sides	1,27	0,53	37.000	3,2
688-2RS-MAE	-	8	16	5	sealed on both sides	1,27	0,53	37.000	3,2
698-ZZ-MAE	-	8	19	6	shielded on both sides	2,24	0,87	36.000	7,2
698-2RS-MAE	-	8	19	6	sealed on both sides	2,24	0,87	36.000	7,2
608-ZZ-MAE	608-ZZ-C3-MAE	8	22	7	shielded on both sides	3,30	1,37	34.000	12,2
608-2RS-MAE	608-2RS-C3-MAE	8	22	7	sealed on both sides	3,30	1,37	20.000	12,2
609-ZZ-MAE	-	9	24	7	shielded on both sides	3,35	1,43	32.000	14,7
609-2RS-MAE	-	9	24	7	sealed on both sides	3,35	1,43	19.000	14,7
629-ZZ-MAE	-	9	26	8	shielded on both sides	4,55	1,97	28.000	19,3
629-2RS-MAE	-	9	26	8	sealed on both sides	4,55	1,97	18.000	19,3
61800-ZZ-MAE	61800-ZZ-C3-MAE	10	19	5	shielded on both sides	1,72	0,84	24.000	5,5
61800-2RS-MAE	61800-2RS-C3-MAE	10	19	5	sealed on both sides	1,72	0,84	17.000	5,5
61900-ZZ-MAE	61900-ZZ-C3-MAE	10	22	6	shielded on both sides	2,70	1,27	22.000	10
61900-2RS-MAE	61900-2RS-C3-MAE	10	22	6	sealed on both sides	2,70	1,27	15.500	10
6000-ZZ-MAE	6000-ZZ-C3-MAE	10	26	8	shielded on both sides	4,55	1,97	31.000	19
6000-2RS-MAE	6000-2RS-C3-MAE	10	26	8	sealed on both sides	4,55	1,97	19.000	19
6200-ZZ-MAE	6200-ZZ-C3-MAE	10	30	9	shielded on both sides	5,10	2,39	24.000	32
6200-2RS-MAE	6200-2RS-C3-MAE	10	30	9	sealed on both sides	5,10	2,39	17.000	32
6300-ZZ-MAE	-	10	35	11	shielded on both sides	8,10	3,47	22.000	53
6300-2RS-MAE	-	10	35	11	sealed on both sides	8,10	3,47	15.000	53
61801-ZZ-MAE	61801-ZZ-C3-MAE	12	21	5	shielded on both sides	1,92	1,04	20.000	6,3
61801-2RS-MAE	61801-2RS-C3-MAE	12	21	5	sealed on both sides	1,92	1,04	14.000	6,3
61901-ZZ-MAE	-	12	24	6	shielded on both sides	2,89	1,46	20.000	10
61901-2RS-MAE	-	12	24	6	sealed on both sides	2,89	1,46	14.000	10
6001-ZZ-MAE	6001-ZZ-C3-MAE	12	28	8	shielded on both sides	5,10	2,84	27.000	22
6001-2RS-MAE	6001-2RS-C3-MAE	12	28	8	sealed on both sides	5,10	2,84	17.000	22
6201-ZZ-MAE	6201-ZZ-C3-MAE	12	32	10	shielded on both sides	6,80	3,06	22.000	37
6201-2RS-MAE	6201-2RS-C3-MAE	12	32	10	sealed on both sides	6,80	3,06	15.000	37
6301-ZZ-MAE	-	12	37	12	shielded on both sides	9,70	5,09	20.000	60
6301-2RS-MAE	-	12	37	12	sealed on both sides	9,70	5,09	14.000	60
61802-ZZ-MAE	61802-ZZ-C3-MAE	15	24	5	shielded on both sides	2,07	1,26	17.000	7,4
61802-2RS-MAE	61802-2RS-C3-MAE	15	24	5	sealed on both sides	2,07	1,26	12.000	7,4
61902-ZZ-MAE	-	15	28	7	shielded on both sides	4,35	2,26	17.000	20
61902-2RS-MAE	-	15	28	7	sealed on both sides	4,35	2,26	12.000	20
6002-ZZ-MAE	6002-ZZ-C3-MAE	15	32	9	shielded on both sides	5,60	2,84	23.000	30
6002-2RS-MAE	6002-2RS-C3-MAE	15	32	9	sealed on both sides	5,60	2,84	14.000	30
6202-ZZ-MAE	6202-ZZ-C3-MAE	15	35	11	shielded on both sides	7,65	3,72	20.000	45
6202-2RS-MAE	6202-2RS-C3-MAE	15	35	11	sealed on both sides	7,65	3,72	12.000	45
6302-ZZ-MAE	-	15	42	13	shielded on both sides	11,4	5,43	17.000	82
6302-2RS-MAE	-	15	42	13	sealed on both sides	11,4	5,43	12.000	82
61803-ZZ-MAE	-	17	26	5	shielded on both sides	2,63	1,57	15.000	8,2
61803-2RS-MAE	-	17	26	5	sealed on both sides	2,63	1,57	10.500	8,2
61903-ZZ-MAE	-	17	30	7	shielded on both sides	4,60	2,55	15.000	20
61903-2RS-MAE	-	17	30	7	sealed on both sides	4,60	2,55	10.500	20

Single Row Deep Groove Ball Bearings **MÄDLER®**, inner diameter 17 - 50 mm

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- Standard ball bearings in high quality.
- Most common bearing type.
- Usable for high speed.
- Insensitive in use and maintenance.
- On choice: With friction-free metal shields ZZ (= ZZ) or with contacting rubber seals 2RS.

Temperature range: -20°C to +90°C (for short time up to +110°C).

Clearance CN: Normal bearing play. **Clearance C3:** Greater play.

Other versions or other bearing types on request.

Ordering Details: e.g.: Product No. 6003-ZZ-MAE, Ball Bearing



Product No. Clearance CN	Product No. Clearance C3	Main dimensions			Version	Load rating radial		Speed limit min ⁻¹	Weight g
		d mm	D mm	B mm		dyn.C kN	stat.C ₀ kN		
6003-ZZ-MAE	6003-ZZ-C3-MAE	17	35	10	shielded on both sides	6,00	3,25	21.000	39
6003-2RS-MAE	6003-2RS-C3-MAE	17	35	10	sealed on both sides	6,00	3,25	13.000	39
6203-ZZ-MAE	6203-ZZ-C3-MAE	17	40	12	shielded on both sides	9,55	4,79	17.000	65
6203-2RS-MAE	6203-2RS-C3-MAE	17	40	12	sealed on both sides	9,55	4,79	12.000	65
6303-ZZ-MAE	-	17	47	14	shielded on both sides	13,6	6,58	15.000	120
6303-2RS-MAE	-	17	47	14	sealed on both sides	13,6	6,58	11.000	120
61804-ZZ-MAE	61804-ZZ-C3-MAE	20	32	7	shielded on both sides	4,00	2,47	13.000	20
61804-2RS-MAE	61804-2RS-C3-MAE	20	32	7	sealed on both sides	4,00	2,47	9.100	20
61904-ZZ-MAE	-	20	37	9	shielded on both sides	6,40	3,70	12.000	40
61904-2RS-MAE	-	20	37	9	sealed on both sides	6,40	3,70	8.400	40
6004-ZZ-MAE	6004-ZZ-C3-MAE	20	42	12	shielded on both sides	9,40	5,03	15.000	69
6004-2RS-MAE	6004-2RS-C3-MAE	20	42	12	sealed on both sides	9,40	5,03	11.000	69
6204-ZZ-MAE	6204-ZZ-C3-MAE	20	47	14	shielded on both sides	12,8	6,65	14.000	110
6204-2RS-MAE	6204-2RS-C3-MAE	20	47	14	sealed on both sides	12,8	6,65	10.000	110
6304-ZZ-MAE	6304-ZZ-C3-MAE	20	52	15	shielded on both sides	15,9	7,88	13.000	140
6304-2RS-MAE	6304-2RS-C3-MAE	20	52	15	sealed on both sides	15,9	7,88	9.500	140
61805-ZZ-MAE	-	25	37	7	shielded on both sides	4,50	3,15	10.000	20
61805-2RS-MAE	-	25	37	7	sealed on both sides	4,50	3,15	7.000	20
61905-ZZ-MAE	-	25	42	9	shielded on both sides	7,05	4,55	10.000	50
61905-2RS-MAE	-	25	42	9	sealed on both sides	7,05	4,55	7.000	50
6005-ZZ-MAE	6005-ZZ-C3-MAE	25	47	12	shielded on both sides	10,1	5,85	13.000	80
6005-2RS-MAE	6005-2RS-C3-MAE	25	47	12	sealed on both sides	10,1	5,85	9.500	80
6205-ZZ-MAE	6205-ZZ-C3-MAE	25	52	15	shielded on both sides	14,0	7,88	12.000	130
6205-2RS-MAE	6205-2RS-C3-MAE	25	52	15	sealed on both sides	14,0	7,88	8.400	130
6305-ZZ-MAE	-	25	62	17	shielded on both sides	20,6	11,5	10.000	230
6305-2RS-MAE	-	25	62	17	sealed on both sides	20,6	11,5	7.000	230
61806-ZZ-MAE	-	30	42	7	shielded on both sides	4,70	3,65	9.000	30
61806-2RS-MAE	-	30	42	7	sealed on both sides	4,70	3,65	6.300	30
61906-ZZ-MAE	-	30	47	9	shielded on both sides	7,25	5,00	8.500	50
61906-2RS-MAE	-	30	47	9	sealed on both sides	7,25	5,00	6.000	50
6006-ZZ-MAE	-	30	55	13	shielded on both sides	13,2	8,30	10.000	120
6006-2RS-MAE	-	30	55	13	sealed on both sides	13,2	8,30	7.000	120
6206-ZZ-MAE	-	30	62	16	shielded on both sides	19,5	11,3	9.500	200
6206-2RS-MAE	-	30	62	16	sealed on both sides	19,5	11,3	6.500	200
6306-2RS-MAE	-	30	72	19	sealed on both sides	26,7	15,2	6.500	350
61807-2RS-MAE	-	35	47	7	sealed on both sides	4,00	3,25	7.600	30
61907-ZZ-MAE	-	35	55	10	shielded on both sides	10,6	7,25	7.500	80
61907-2RS-MAE	-	35	55	10	sealed on both sides	10,6	7,25	5.300	80
6007-ZZ-MAE	-	35	62	14	shielded on both sides	16,0	10,4	9.000	160
6007-2RS-MAE	-	35	62	14	sealed on both sides	16,0	10,4	6.300	160
6207-ZZ-MAE	-	35	72	17	shielded on both sides	25,7	15,2	8.500	290
6207-2RS-MAE	-	35	72	17	sealed on both sides	25,7	15,2	6.000	290
6307-2RS-MAE	-	35	80	21	sealed on both sides	33,5	19,2	6.000	460
61808-2RS-MAE	-	40	52	7	sealed on both sides	4,50	4,05	6.700	33
61908-ZZ-MAE	-	40	62	12	shielded on both sides	13,7	10,0	6.300	120
61908-2RS-MAE	-	40	62	12	sealed on both sides	13,7	10,0	4.410	120
6008-ZZ-MAE	-	40	68	15	shielded on both sides	16,8	11,8	8.500	190
6008-2RS-MAE	-	40	68	15	sealed on both sides	16,8	11,8	6.300	190
6208-ZZ-MAE	-	40	80	18	shielded on both sides	29,5	18,0	8.000	370
6208-2RS-MAE	-	40	80	18	sealed on both sides	29,5	18,0	5.600	370
6308-2RS-MAE	-	40	90	23	sealed on both sides	40,8	24,0	4.900	630
61809-ZZ-MAE	-	45	58	7	shielded on both sides	5,35	5,25	6.000	140
61809-2RS-MAE	-	45	58	7	sealed on both sides	5,35	5,25	4.200	140
61909-2RS-MAE	-	45	68	12	sealed on both sides	15,1	11,2	5.600	132
6009-ZZ-MAE	-	45	75	16	shielded on both sides	21,0	14,8	8.000	250
6009-2RS-MAE	-	45	75	16	sealed on both sides	21,0	14,8	5.600	250
6209-ZZ-MAE	-	45	85	19	shielded on both sides	31,5	20,5	7.000	410
6209-2RS-MAE	-	45	85	19	sealed on both sides	31,5	20,5	4.900	410
6309-ZZ-MAE	-	45	100	25	shielded on both sides	52,8	31,8	6.300	830
6309-2RS-MAE	-	45	100	25	sealed on both sides	52,8	31,8	4.400	830
6010-ZZ-MAE	-	50	80	16	shielded on both sides	22,0	16,2	7.000	260
6010-2RS-MAE	-	50	80	16	sealed on both sides	22,0	16,2	5.000	260
6210-ZZ-MAE	-	50	90	20	shielded on both sides	35,0	23,2	6.700	460
6210-2RS-MAE	-	50	90	20	sealed on both sides	35,0	23,2	4.700	460
6310-ZZ-MAE	-	50	110	27	shielded on both sides	61,8	38,1	6.000	1050
6310-2RS-MAE	-	50	110	27	sealed on both sides	61,8	38,1	4.200	1050