

# Amol<sup>®</sup> Bearing

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## MAGNETO BEARINGS

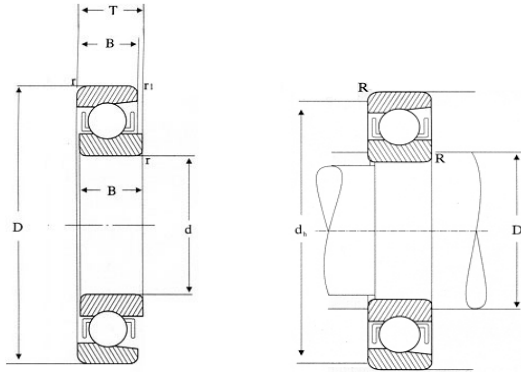
Bore Diameter 4-20mm



Outside Diameter Tolerance  
(Class 0)

Units:  $\mu\text{m}$

Nominal Outside Diameter D (mm)		D <sub>m</sub>			
		E Series		EN Series	
Over	Incl	High	Low	High	Low
-	10	+8	0	0	-8
10	18	+8	0	0	-8
18	20	+9	0	0	-9
30	50	+11	0	0	-11



Dynamic Equivalent Load P

$$P = XFr + YFa$$

Fa/Fr ≤ e		Fa/Fr > e		e
X	Y	X	Y	
1	0	0.5	2.5	0.2

Basic Load Ratings(Kgf)		Boundary Dimensions(mm)					Basic Load Ratings(kgf)		Limiting Speeds(rpm)		Abutment and Fillet Dimension(mm)			Mass(kg)
E series	EN Series	d	D	B,T	r	r1	Dynamic C	Static Co	Grease	Oil	Ds(min)	dh(max)	R(max)	
E4	EN4	4	16	5	0.3	0.2	122	24	34000	40000	5.6	14.4	0.15	0.01
E5	EN5	5	16	5	0.3	0.2	122	24	34000	40000	6.6	14.4	0.15	0.01
E6	EN6	6	21	7	0.5	0.3	224	40	30000	36000	8.5	18.5	0.3	0.01
E7	EN7	7	22	7	0.5	0.3	254	40	28000	34000	9.5	19.5	0.3	0.01
E8	EN8	8	24	7	0.5	0.3	255	54	28000	34000	10.5	21.5	0.3	0.01
E9	EN9	9	28	8	0.5	0.3	335	73	24000	30000	11.5	25.5	0.3	0.02
E10	EN10	10	28	8	0.5	0.3	335	73	24000	30000	12.5	25.5	0.3	0.02
E11	EN11	11	32	7	0.5	0.3	270	75	22000	28000	13.5	29.5	0.3	0.03
E12	EN12	12	32	7	0.5	0.3	270	75	22000	28000	14.5	29.5	0.3	0.03
E13	EN13	13	30	7	0.5	0.3	270	75	22000	26000	15.5	27.5	0.3	0.02
E14	EN14	14	35	8	0.5	0.3	450	110	19000	24000	16.5	32.5	0.3	0.03
E15	EN15	15	35	8	0.5	0.3	355	102	19000	24000	17.5	32.5	0.3	0.03
N3048	-	15	37	8	0.5	0.3	355	102	19000	24000	17.5	32.5	0.3	0.03
BO15	-	15	40	10	1	0.6	570	153	14000	18000	20	35	0.6	0.06
E16	EN16	16	38	10	0.7	0.4	705	127	16000	20000	19.5	34.5	0.4	0.05
L17	-	17	40	10	1	0.5	450	134	14000	18000	22	35	0.6	0.05
E17	EN17	17	44	11	1	0.6	440	134	14000	18000	22	39	0.6	0.08
BO17	-	17	44	11	1	0.6	750	138	14000	18000	22	39	0.6	0.07
M17	-	17	44	10	1	0.6	750	138	14000	18000	22	39	0.6	0.07
E18	EN18	18	40	9	0.7	0.4	270	95	16000	20000	21	36.5	0.4	0.05
E19	EN19	19	40	9	0.7	0.4	270	95	16000	20000	22	36.5	0.4	0.05
E20	EN20	20	47	12	1.5	1	580	224	14000	17000	26	41	1	0.09
L20	-	20	47	14	1.5	0.7	580	224	14000	17000	26	41	0.7	0.1
M20	-	20	52	15	2	1	965	270	13000	16000	27	45	1	0.14
L25	-	25	52	15	1.5	1	565	240	12000	15000	31	45	1	0.12
M25	-	25	62	17	1.1	0.6	1250	375	11000	14000	31	55	0.6	0.22
L30	-	30	62	16	1.5	1	630	228	8000	11000	40	55	1	0.25
M30	-	30	72	19	2	1.5	630	228	8000	11000	40	65	1.5	0.4