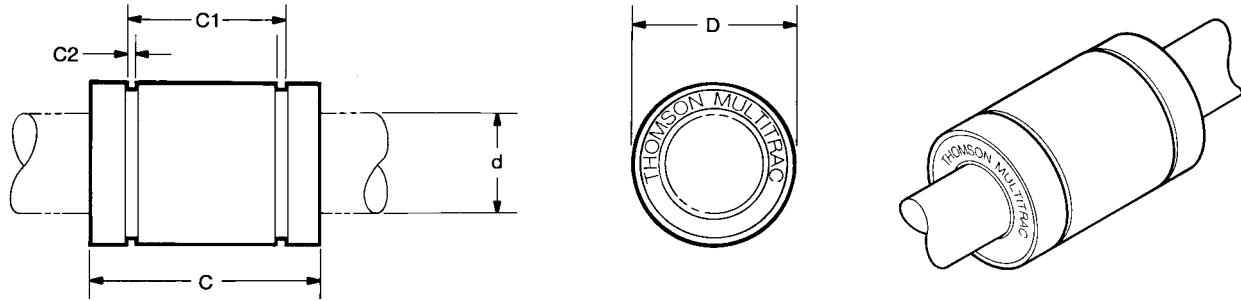


Metric – MultiTrac Ball Bushing Bearings

MultiTrac Ball Bushing Bearings (Closed Type)



MultiTrac Ball Bushing Linear Bearings (Closed Type) (Dimensions in mm)

Part Number			d ⁽⁴⁾	D	C h14	C1 H13	C2 min.	Number of ball tracks	Mass (kg)	Dynamic Load W ⁽¹⁾⁽³⁾ (N)	Load Limit W ₀ ⁽²⁾⁽³⁾ (N)
Without Integral Wipers	With one Integral Wiper	With two Integral Wipers									
MA M08	MA M08 W	MA M08 WW	8	16	25	16,2	1,10	4	0,02	180	330
MA M12	MA M12 W	MA M12 WW	12	22	32	22,6	1,30	5	0,04	350	880
MA M16	MA M16 W	MA M16 WW	16	26	36	24,6	1,30	8	0,06	550	1300
MA M20	MA M20 W	MA M20 WW	20	32	45	31,2	1,60	8	0,11	1000	2360
MA M25	MA M25 W	MA M25 WW	25	40	58	43,7	1,85	8	0,20	1980	5100
MA M30	MA M30 W	MA M30 WW	30	47	68	51,7	1,85	8	0,33	2060	5800
MA M40	MA M40 W	MA M40 WW	40	62	80	60,3	2,15	8	0,63	3820	9250

(1) For rated travel life of 100 km. For longer travel lives, reduce load to $W \cdot (100/L)^{0.33}$ where L (km) is the required travel life. Do not exceed the Dynamic Load Rating for travel life of less than 100 km.

(2) The load Limit is the maximum load that may be applied to a bearing/shaft. It is important to analyze the application so that peak and/or shock loads do not exceed the Load Limit.

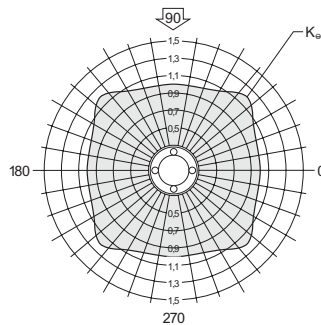
(3) For diametral clearance, see Table 1.

NOTE: External seals and retaining rings are available. See page 167 for specifications.

NOTE: For additional technical data, see Engineering Support section.

Table 1 - Standard Diametral Clearances Closed Type

Nominal Size d (mm)	Diametral Clearance (µm)
8	+15 +3
12	+19 +3
16	+19 +3
20	+22 +4
25	+22 +4
30	+22 +4
40	+27 +5



MA M16 ADJ
MA M20 ADJ
MA M25 ADJ
MA M30 ADJ
MA M40 ADJ

Table 2 - Stainless Steel Part Numbers

Part Number		
Without Integral Wipers	With One Integral Wiper	With Two Integral Wipers
MAM08SS	MAM08WSS	MAM08WWSS
MAM12SS	MAM12WSS	MAM12WWSS
MAM16SS	MAM16WSS	MAM16WWSS
MAM20SS	MAM20WSS	MAM20WWSS
MAM25SS	MAM25WSS	MAM25WWSS
MAM30SS	MAM30WSS	MAM30WWSS

All dimensional information and load ratings for the stainless steel MultiTrac Ball Bushing Bearings are identical to those shown above. If run on stainless steel shafting, load ratings of these bearings are 80% of the above stated values.

For closed type bearings with LinearRace shaft, h6 tolerance