



Concentric Maxi Torque Dimensions & Ratings

Concentric Maxi Torque Stock Sizes and Dimensions									Concentric Maxi Torque - Maximum Transmission Torque (in-lbs)																
CMT Bushing	Dimensions					Screw Data			Shaft Diameter in Inches																
	B	d	H	Hm	D*	S	Si	Ms	0.1250	0.1560	0.1875	0.2500	0.3125	0.3750	0.4375	0.5000	0.5625	0.6250	0.6875	0.7500	0.8125	0.8750	0.9375	1.0000	1.1875
0606	3-6/.125-.250	.373"	.250"	.265"	.551"	M2.5	1.3	6	14	20	24	33													
0609	3-6/.125-.250	.394"	.375"	.395"	.591"	M3	1.5	9	16	23	28	37													
0909	4-9/.156-.375	.536"	.375"	.395"	.752"	M3	1.5	9		25	33	43	54	65											
0912	5-9/.156-.375	.563"	.500"	.530"	.822"	M4	2	19		64	68	79	98	117											
1212	6-12/.250-.500	.688"	.500"	.530"	.975"	M4	2	19				79	98	117	120	138									
1216	6-12/.250-.500	.745"	.625"	.655"	1.054"	M5	2.5	42				138	173	207	242	345									
1616	8-16/.3125-.625	.855"	.625"	.655"	1.170"	M5	2.5	42					168	208	243	348	392	436							
1620	8-16/.3125-.625	.902"	.787"	.827"	1.240"	M6	3	68					389	468	530	698	752	875							
2020	10-20/.4375-.750	1.055"	.787"	.827"	1.417"	M6	3	68							531	698	755	879	975	1100					
2025	10-20/.4375-.750	1.140"	.984"	1.034"	1.590"	M6	3	68							538	703	760	885	980	1120					
2530	12-25/.500-1.000	1.355"	1.181"	1.241"	1.900"	M8	4	158								1115	1327	1416	1504	1593	1875	2053	2200	2347	
3036	16-30/.625-1.1875	1.575"	1.417"	1.496"	2.200"	M8	4	158										1512	1681	1770	1902	2255	2345	2433	2795

B- Bore Range (Metric/Inches)
d- Bushing Diameter (Inches)
H- Bushing Length (Inches)
D- Minimum Hub Diameter (Inches)
Hm- Hub Minimum Length (Inches)
S- Screw Size (Metric)
Si- Hex Key Size (Metric)
Ms- Maximum Screw Torque (in-lbs)

Shaft size to be (h6) or Nominal Diameter
+.0000-.0005

* Minimum hub diameter is based on a material with a yield strength of 276 Mpa (40,000 PSI)

NOTE:

S= Bushing screw size.

•Refer to Assembly Instructions for screw assembly torque.

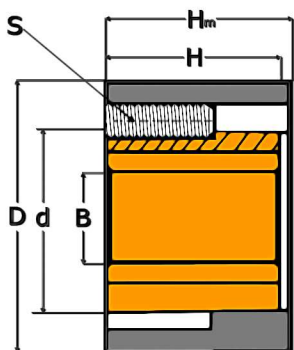
•Chart torque is the maximum torque before slippage under ideal conditions.

•Actual torque will vary based on operating conditions screw torque and shaft size.

•Appropriate safety factors should be applied based on consideration of all operating conditions.

SERVICE FACTORS TO BE USED WITH THE ABOVE CHART:

- 1.0- Light starting and intermittent running
- 1.2- Light starting and steady running
- 1.5- Light starting and uneven running
- 2.0- Fairly heavy starting and steady or uneven running
- 2.5- Light or heavy starting and moderate shock running
- 3.0- Light or heavy starting and severe shock running, or reversing loads.



Visit Our Website
www.cmtco.com



Scan Here For
Performance
Demonstration

Custom Machine & Tool Co., Inc.
301 Winter Street
Hanover, MA 02339

800-355-5949
781-924-1003
Info@cmtco.com