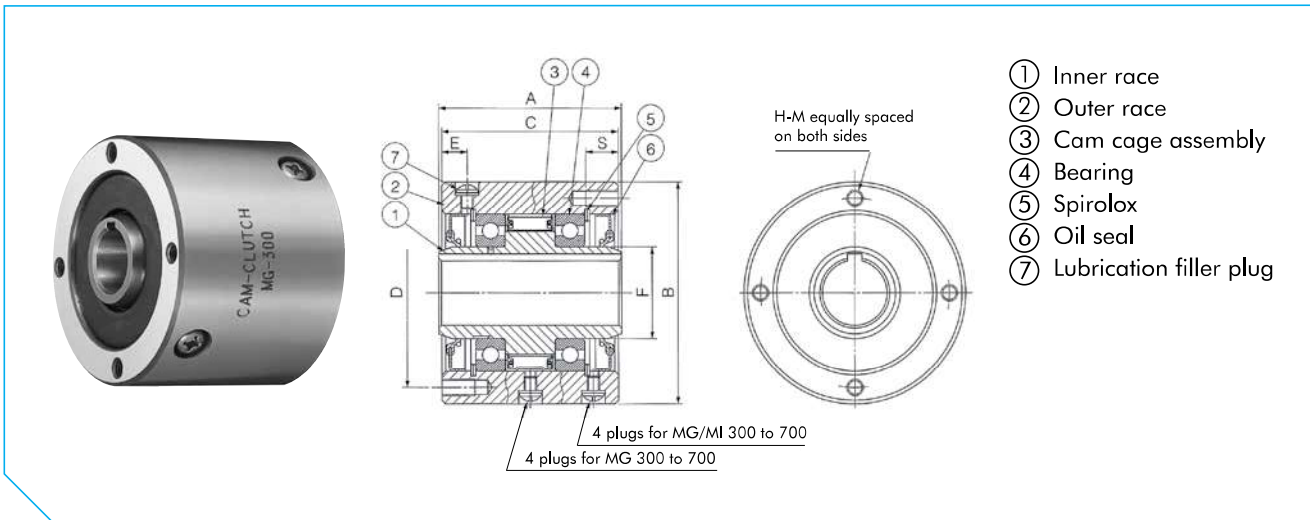


MG SERIES CAM CLUTCH



MG

Dimensions in mm

Model	Torque Capacity Nm	Max. Overrunning Speed		Drag Torque Nm	Bore Size H7	Inner Race Keyway	A	B h7	C	D	E	F	S	H-M No. of Tapped Holes x Size x Pitch	Lubrication Filter Plug Size x Pitch	Oil cc	Approx. Mass kg/pc
		Inner Race r/min	Outer Race r/min														
MG300	314	2800	900	0.225	19	5 x 2	63	77	60	66	10.4	28.5	13	4 x M 6 x P1.00	M 6 x P1.0	25	1.8
MG400	539	2600	800	0.284	22	5 x 2	70	88	67	73	10.7	31.7	16	4 x M 8 x P1.25	M 6 x P1.0	30	2.7
MG500	1620	2400	800	0.510	31.5	7 x 3	89	108	86	92	12.3	44.4	16	4 x M 8 x P1.25	M 6 x P1.0	50	5.0
MG600	3140	2100	700	0.843	50	12 x 3.5	95	136	92	120	12.8	69.8	16	6 x M 8 x P1.25	M 6 x P1.0	80	8.6
MG700*	5880	1500	500	1.70	70	18 x 6	127	180	124	160	19.8	101.5	20	6 x M10 x P1.5	M 6 x P1.0	135	19.5
MG750*	9510	1800	600	3.43	85	24 x 6	153	200	150	175	75	110	25	8 x M14 x P2.0	M 8 x P1.25	400	37.0
MG800*	17600	1300	475	5.39	110	28 x 7	158	250	155	220	77.5	140	25	8 x M16 x P2.0	M 8 x P1.25	500	46.5
MG900*	24500	1200	400	6.76	135	35 x 9	165	300	160	265	80	170	32	10 x M16 x P2.0	M 8 x P1.25	620	70.5
MG1000*	33800	1200	325	8.13	160	38 x 10	188	370	180	325	90	200	32	12 x M16 x P2.0	M 8 x P1.25	850	108.5
MG1100*	78400	350	-	5.19	185	45 x 14	260	470	250	415	125	260	40	12 x M20 x P2.5	M12 x P1.75	2900	250
MG1200*	95100	300	-	17.6	200	45 x 14	260	500	250	440	125	280	45	12 x M24 x P3.0	M12 x P1.75	3000	280
MG1300*	176400	250	-	18.7	250	56 x 17.5	280	600	260	530	130	340	50	12 x M30 x P3.5	M12 x P1.75	3800	410

* = Non-stock item

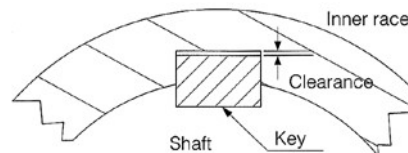
Installation and Usage

1. MG Series Cam Clutch is used for high speed inner race overrunning applications.
2. For attaching a pulley, a gear, or sprocket to the clutch, insert the clutch into the hub of the device, and screw the bolts (high tension) into the tapped holes on the clutch end. The tolerance bore of the hub should be H6 or H7 or JIS standard.
3. Recommended shaft tolerances are as follows:

Model	Tolerance of housing bore (mm)
MG300, MG400	+0 to +0.021
MG500, MG600	+0 to +0.025
MG700	+0 to +0.030
MG750, MG800	+0 to +0.035
MG900	+0 to +0.040

4. The key should be in accordance with JIS B1301-1959. However, for MG750 and above models, a key is attached.
5. Use only a parallel key to secure the clutch. Never use a tapered key.
6. If the clutch receives shock loads or is designed for use at full torque capacity, it is better to use a hardened key and shaft.

7. Allow for a clearance between the top of the clutch keyway and the top of the key for pressure ventilation. In case of MG Series a pressure ventilation hole is provided on the keyway of the clutch inner race.
8. When mounting the clutch on a shaft, apply pressure to the inner race, but never to the outer race.



9. Thrust load should be taken up by other devices, not by the Cam Clutch.
10. When using MG Series at medium and high speeds, pay attention to heating. Longevity is shortened if the temperature of Cam Clutch outer race rises to over 70°C. In this case, use a different model or provide an oil bath or forced lubrication.
11. Oil is not sealed in at the time of shipment. Supply an appropriate amount of oil before use.
12. When placing an order for MG Series Cam Clutch model MG750 and above, please inform TSUBAKI of the overrunning speed you use.