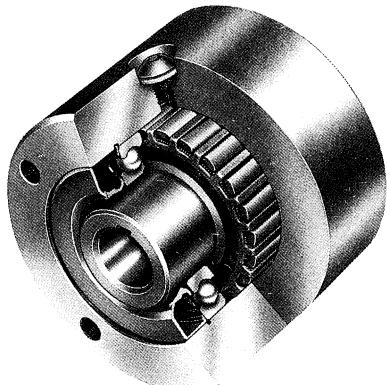


“M” Series Sprag Clutches

**Fully sealed, bearing supported, high torque
Sprag Clutch Assemblies with Metric and Imperial Bores.**



“M” series sprag clutches use precision cams made of high chrome alloy steel, hardened and honed for accurate shape. A unique finishing process ensures smooth cam surface providing uniform contact with both races for even load distribution and prolonged clutch life. High capacity bearings are used to accommodate radial and axial loads. The clutches are designed to mount directly on through shafts; the torque being transmitted by a matching key provided with each stock bore; the outer race has a precision ground diameter with tapped holes on each face to enable the fitting of gears, sprockets, pulleys, etc.

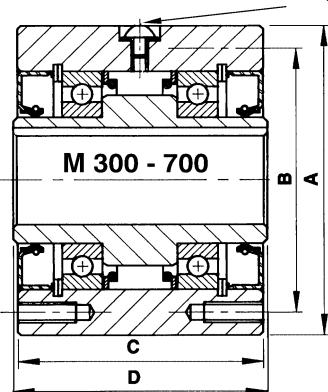


Two types of clutch are offered:

MG Series - Standard clutch for general overrunning, backstop and index applications, standard oil lubricated with option of grease.

MO Series - Fitted with labyrinth seals for minimal drag on higher speed overrun and backstop applications. Always grease lubricated.

1/4 UNF Lubrication Holes



Vertical Shafts - Clutches suitable for vertical shafting can be supplied - contact Cross & Morse sales office for technical advice.

High Speed/Temperature Operation - Clutches can be provided with a patented venting system for applications subject to high temperature variation or overrunning at high speed.

Dimensions

Clutch Model Number	Torque Capacity Nm	Max Overrun Speed RPM		Nominal Overrun Drag Nm	Std. Bore & Key Sizes ⁽¹⁾		Dimensions in mm						No. ⁽²⁾ Tapped Holes	Thread Size U.N.F.	Usable Thread Depth mm	Approx Weight kg				
		Imperial			Metric															
		Inner ⁽⁴⁾	Outer		Bore ins ⁽³⁾	Key	Bore ins ⁽³⁾	Key	A	B	C	D	E	F						
MG 500		2400	750				25mm	8x7	107.95											
MO 500	1592	3000	750	.52	1, 11/4	1/4x1/4	30mm	8x7	107.90	92.1	85.7	88.9	44.4	—	4	5/16-24	16	5.0		
MG 600		1800	700				38mm	10x8												
MO 600	3050	2400	700	.85	11/2, 13/4	3/8x3/8	40mm	12x8	136.53											
					2	1/2x7/16	45mm	14x9	136.47	120.7	92.9	95.3	69.8	—	6	5/16-24	16	8.6		
MG 700		1200	400				50mm	14x9												
MO 700	6780	2000	400	1.76	2, 21/4	1/2x1/2	60mm	18x11	180.98											
					21/2, 23/4	5/8x5/8	65mm	18x11	180.92	158.8	123.8	127.0	101.6	—	8	3/8-24	19	19.5		
					3, 31/4	5/8x7/16	70mm	20x12												
							75mm	20x12												
							80mm	22x 9												

(1) Std. bores clutches normally available 24 hour despatch. Other bore sizes can be supplied to order. Clutches shipped with key. (2) Mounting holes equally spaced except 700 which have 6 equi-spaced plus two 30° from equi-spaced holes 180° apart.

Note: All oil filled clutches must be lubricated prior to operation.

Tel +44 121 360 0155

Fax +44 121 325 1079

Email sales@crossmorse.com