

Adjustable Friction Clutches

DIMENSIONS & ORDER CODES

Size & Model	Set Screw Hub	Clamp Hub	ØD in. (mm)	L in. (mm)	L1 in. (mm)	L2 in. (mm)	ØB1 max in. (mm)	Fasteners at B1 end			ØB2 max in. (mm)	Fasteners at B2 end			Max drag torque lb.-in (Ncm)	Moment of inertia kgm <sup>2</sup> x 10 <sup>-8</sup>	Mass kg x 10 <sup>-3</sup>	
								Screw	Torque lb.-in. (Nm)	Wrench in. (mm)		Screw	Torque lb.-in. (Nm)	Wrench in. (mm)				
																		CLUTCH REF
16	311.16	-	0.63 (16.0)	1.89 (26.0)	0.2 (5.0)	0.28 (7.0)	0.16 (4)	M3	0.94	0.06 (1.5)	0.16 (4)	M3	8.32 (0.94)	0.06 (1.5)	0.04 (0.5)	30	14	
25 2-PLATE	267.25	-		1.83 (46.5)	0.98 (25.0)	0.34 (8.6)					0.47 (12)	M3	21.5 (2.43)	0.1 (2.5)		416	58	
	271.25	-	1.02	1.04 (26.4)	thro'	-	0.31 (8)	M3	0.94	0.06 (1.5)	-	-	-	-	4.7 (53)	242	37	
	273.25	-	(25.8)	1.42 (36.0)	0.98 (25.0)	0.35 (9.0)					0.47 (12)	M4	20.09 (2.27)	0.08 (2)		382	50	
	277.25	-		1.83 (46.5)	0.98 (25.0)	0.34 (8.6)					0.47 (12)	M4	20.09 (2.27)	0.08 (2)		425	58	
	-	397.25	-		2.15 (54.5)	3.27 (33.0)	0.34 (8.6)					0.47 (12)	M3	21.5 (2.43)	0.1 (2.5)		508	68
	-	401.25	-	1.02	1.35 (34.4)	thro'	-	0.31 (8)	M3	2.43	0.1 (2.5)	-	-	-	-	4.7 (53)	317	47
	-	403.25	-	(25.8)	1.73 (44.0)	3.27 (33.0)	0.35 (9.0)					0.47 (12)	M4	20.09 (2.27)	0.08 (2)		441	60
-	407.25	-		2.15 (54.5)	3.27 (33.0)	0.34 (8.6)					0.47 (12)	M4	20.09 (2.27)	0.08 (2)		511	69	
25 6-PLATE	269.25	-		2.1 (53.4)	1.22 (31.0)	0.34 (8.6)					0.47 (12)	M3	21.5 (2.43)	0.1 (2.5)		529	68	
	279.25	-	1.02	1.28 (32.4)	thro'	-	0.31 (8)	M3	0.94	0.06 (1.5)	-	-	-	-	11.6 (132)	312	48	
	281.25	-	(25.8)	1.67 (42.5)	1.22 (31.0)	0.35 (9.0)					0.47 (12)	M4	20.09 (2.27)	0.08 (2)		451	60	
	285.25	-		2.1 (53.4)	1.22 (31.0)	0.34 (8.6)					0.47 (12)	M4	20.09 (2.27)	0.08 (2)		516	69	
	-	399.25	-		2.39 (60.8)	1.22 (31.0)	0.34 (8.6)					0.47 (12)	M3	21.5 (2.43)	0.1 (2.5)		617	79
	-	409.25	-	1.02	1.6 (40.7)	thro'	-	0.31 (8)	M3	2.43	0.1 (2.5)	-	-	-	-	11.6 (132)	381	58
	-	411.25	-	(25.8)	1.98 (50.3)	1.54 (39.0)	0.35 (9.0)					0.47 (12)	M4	20.09 (2.27)	0.08 (2)		530	71
-	415.25	-		2.39 (60.8)	1.54 (39.0)	0.34 (8.6)					0.47 (12)	M4	20.09 (2.27)	0.08 (2)		590	80	
48 6-PLATE	269.48	-		4.02 (102.0)	2.56 (65.0)	0.66 (16.7)					0.79 (20)	M4	50.1 (5.66)	0.12 (3)		8037	390	
	279.48	-	1.89	2.56 (65.0)	thro'	-	0.63 (16)	M6	7.60	0.12 (3.0)	0.79 (20)	-	-	-	26.5 (300)	5548	278	
	281.48	-	(48.0)	3.27 (33.0)	2.56 (65.0)	0.63 (16.0)					0.79 (20)	M5	40.89 (4.62)	0.1 (2.5)		7135	350	
	285.48	-		4.02 (102.0)	2.56 (65.0)	0.66 (16.7)					0.79 (20)	M5	40.89 (4.62)	0.1 (2.5)		8037	390	

PERFORMANCE DATA

Size	Size 16	Size 25	Size 48
Power dissipation at 20°C 2-PLATE 6-PLATE	0.5 watt	7 watts 8.6 watts	18 watts
Backlash	0° max	2° max	zero
Max surface temperature	80° C	80° C	80° C
Max speed continuous slip	1000 rpm	1000 rpm	600 rpm

STANDARD BORES

Sizes indicated in parenthesis are metric (mm).

		ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)															
		(4)	(6)	1/4"	5/16"	(8)	3/8"	(10)	(12)	1/2"	(14)	5/8"	(16)	(18)	(19)	3/4"	(20)
Size 16	At B1 end	●															
	At B2 end	●															
Size 25	At B1 end		●	●	●	●											
	At B2 end		●	●	●	●	●	●	●								
Size 48	At B1 end					●	●	●	●	●	●	●	●	●	●	●	●
	At B2 end						●	●	●	●	●	●	●	●	●	●	●
<b>Bore ref.</b>		18	22	24	27	28	31	32	35	36	38	41	42	45	46	47	48
<b>Corresponding bore adaptor</b>				253		255		257		259			260				261

Diameters for which a bore adaptor is shown can be adapted to smaller shaft sizes. See page 58 for details