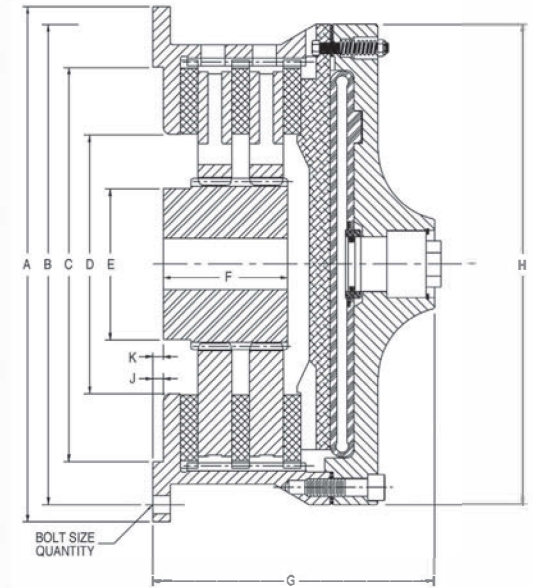


High Torque Clutches

DIMENSIONS inches (mm)

SIZE	A +0.003/-0.003 (+0.076/-0.076)	B	C +0.003/-0.003 (+0.076/-0.076)	D	E	F	G	H	J	K	bolt size	qty
111	16.000 (406.40)	14.750 (374.65)	11.375 (288.93)	7 (177.80)	4 (101.60)	2 3/4 (69.85)	7 15/16 (201.61)	14 3/4 (374.65)	3/8 (9.53)	1/8 (3.18)	5/8	6
211	16.000 (406.40)	14.750 (374.65)	11.375 (288.93)	7 (177.80)	4 (101.60)	4 1/2 (114.30)	9 11/16 (246.06)	14 3/4 (374.65)	3/8 (9.53)	1/8 (3.18)	5/8	6
311	16.000 (406.40)	14.750 (374.65)	11.375 (288.93)	7 (177.80)	4 (101.60)	6 1/2 (165.10)	11 7/16 (290.51)	14 3/4 (374.65)	3/8 (9.53)	1/8 (3.18)	5/8	6
114	18.750 (476.25)	17.500 (444.50)	14.375 (365.13)	9 7/16 (239.71)	5 1/2 (139.70)	2 1/4 (57.15)	8 3/8 (212.73)	17 1/2 (444.50)	3/8 (9.53)	3/4 (19.05)	5/8	8
214	18.750 (476.25)	17.500 (444.50)	14.375 (365.13)	9 7/16 (239.71)	5 1/2 (139.70)	4 1/2 (114.30)	10 1/4 (260.35)	17 1/2 (444.50)	3/8 (9.53)	3/8 (9.53)	5/8	8
314	18.750 (476.25)	17.500 (444.50)	14.375 (365.13)	9 7/16 (239.71)	5 1/2 (139.70)	6 1/2 (165.10)	12 9/16 (319.09)	17 1/2 (444.50)	3/8 (9.53)	3/8 (9.53)	5/8	8
116	21.245 (539.63)	20.000 (508.00)	16.250 (412.75)	10 1/2 (266.70)	6 (152.40)	2 3/4 (69.85)	8 27/32 (224.63)	20 (508.00)	3/8 (9.53)	3/8 (9.53)	5/8	12
216	21.245 (539.63)	20.000 (508.00)	16.250 (412.75)	10 1/2 (266.70)	6 (152.40)	4 3/4 (120.65)	10 23/32 (272.26)	20 (508.00)	3/8 (9.53)	3/8 (9.53)	5/8	12
316	21.245 (539.63)	20.000 (508.00)	16.250 (412.75)	10 1/2 (266.70)	6 (152.40)	6 5/8 (168.28)	12 13/16 (325.44)	20 (508.00)	3/8 (9.53)	3/8 (9.53)	5/8	12
118	23.250 (590.55)	22.000 (558.80)	18.250 (463.55)	12 1/2 (317.50)	7 (177.80)	2 3/4 (69.85)	9 1/32 (229.39)	22 (558.80)	3/8 (9.53)	7/16 (11.11)	5/8	12
218	23.250 (590.55)	22.000 (558.80)	18.250 (463.55)	12 1/2 (317.50)	7 (177.80)	4 3/4 (120.65)	10 29/32 (277.02)	22 (558.80)	3/8 (9.53)	7/16 (11.11)	5/8	12
318	23.250 (590.55)	22.000 (558.80)	18.250 (463.55)	12 1/2 (317.50)	7 (177.80)	6 1/2 (165.10)	12 25/32 (324.65)	22 (558.80)	3/8 (9.53)	7/16 (11.11)	5/8	12
121	27.000 (685.80)	25.500 (647.70)	21.375 (542.93)	14 1/2 (368.30)	9 (228.60)	2 7/8 (73.03)	9 1/2 (241.30)	24 7/8 (631.83)	5/16 (7.94)	11/16 (17.46)	5/8	12
221	27.000 (685.80)	25.500 (647.70)	21.375 (542.93)	14 1/2 (368.30)	9 (228.60)	5 1/8 (130.18)	11 5/8 (295.28)	24 7/8 (631.83)	5/16 (7.94)	3/4 (19.05)	5/8	12
321	27.000 (685.80)	25.500 (647.70)	21.375 (542.93)	14 1/2 (368.30)	9 (228.60)	7 1/2 (190.50)	13 3/4 (349.25)	24 7/8 (631.83)	5/16 (7.94)	3/8 (9.53)	5/8	12
124	30.000 (762.00)	28.750 (730.25)	24.375 (619.13)	14 1/2 (368.30)	9 (228.60)	3 1/2 (88.90)	9 57/64 (251.22)	29 (736.60)	1/4 (6.35)	3/8 (9.53)	5/8	12
224	30.000 (762.00)	28.750 (730.25)	24.375 (619.13)	14 1/2 (368.30)	9 (228.60)	5 1/8 (130.18)	12 9/64 (308.37)	29 (736.60)	1/4 (6.35)	3/4 (19.05)	5/8	12
324	30.000 (762.00)	28.750 (730.25)	24.375 (619.13)	14 1/2 (368.30)	9 (228.60)	7 1/2 (190.50)	14 7/16 (366.71)	29 (736.60)	1/4 (6.35)	3/4 (19.05)	5/8	12
227	32.750 (831.85)	31.500 (800.10)	27.375 (695.33)	16 1/4 (412.75)	10 1/2 (266.70)	5 1/2 (139.70)	12 17/32 (318.30)	31 1/4 (793.75)	1/4 (6.35)	3/4 (19.05)	5/8	16
327	32.750 (831.85)	31.500 (800.10)	27.375 (695.33)	16 1/4 (412.75)	10 1/2 (266.70)	7 7/8 (200.03)	14 29/32 (378.62)	31 1/4 (793.75)	1/4 (6.35)	3/4 (19.05)	5/8	16
230	37.000 (939.80)	35.500 (901.70)	30.375 (771.53)	19 1/4 (488.95)	10 (254.00)	7 1/8 (180.98)	13 5/8 (346.08)	36 1/8 (917.58)	1/4 (6.35)	3/4 (19.05)	3/4	18
330	37.000 (939.80)	35.500 (901.70)	30.375 (771.53)	19 1/4 (488.95)	10 (254.00)	9 1/2 (241.30)	16 1/4 (412.75)	36 1/8 (917.58)	1/4 (6.35)	3/4 (19.05)	3/4	18
236	43.500 (1104.90)	42.000 (1066.80)	36.375 (923.93)	23 5/8 (600.08)	12 (304.80)	7 1/2 (190.50)	15 1/16 (382.59)	41 1/2 (1054.10)	1/4 (6.35)	1 1/8 (28.58)	1	18
336	43.500 (1104.90)	42.000 (1066.80)	36.375 (923.93)	23 5/8 (600.08)	12 (304.80)	10 3/4 (273.05)	18 3/8 (466.73)	41 1/2 (1054.10)	1/4 (6.35)	1 1/8 (28.58)	1	18

Certified prints available on request.
For units with metric mounting, see page 3.
For Rotating Air Unions, see pages 8-9.



SPECIFICATIONS

Size	Torque Ratings @ 100 psi (lb-In)/7 bar (Nm)				Maximum Speed		WEIGHT and INERTIA				BORE RANGE	
	Static Torque		Dynamic Torque		Complete Clutch	Hub & CPs only	Total Weight	Total Inertia	Hub & CP Weight	Hub & CP Inertia	Minimum	Maximum
	lb-in	Nm	lb-in	Nm	rpm	rpm	lbs (kgs)	lbf ² (wr ²) (kgm ² (J))	lbs (kgs)	lbf ² (wr ²) (kgm ² (J))	inches (mm)	inches (mm)
111	26,000	2,940	19,500	2,200	2140	3120	176 (80)	34 (1.43)	28 (13)	2.4 (0.101)	1.25 (32)	2.8 (71)
211	52,000	5,880	39,000	4,400	2140	3120	199 (90)	40 (1.70)	52 (24)	4.7 (0.198)	1.25 (32)	2.8 (71)
311	78,000	8,820	58,500	6,600	2140	3120	226 (103)	48 (2.00)	77 (35)	7.0 (0.295)	1.25 (32)	2.8 (71)
114	52,500	5,925	39,350	4,445	1830	2450	236 (107)	72 (3.03)	52 (23)	6.0 (0.253)	1.88 (48)	3.3 (85)
214	105,000	11,850	78,700	8,890	1830	2450	287 (130)	85 (3.60)	84 (38)	11.5 (0.485)	1.88 (48)	3.9 (98)
314	157,500	17,775	118,050	13,335	1830	2450	337 (153)	99 (4.19)	126 (57)	16.9 (0.712)	1.88 (48)	3.9 (98)
116	76,100	8,600	57,100	6,450	1610	2140	240 (109)	90 (3.79)	65 (30)	10.7 (0.451)	2.13 (54)	4.2 (107)
216	152,200	17,200	114,200	12,890	1610	2140	314 (142)	112 (4.72)	109 (49)	19.8 (0.834)	2.13 (54)	4.2 (107)
316	228,300	25,800	171,300	19,350	1610	2140	388 (176)	135 (5.69)	157 (71)	28.8 (1.21)	2.13 (54)	4.2 (107)
118	115,500	13,050	86,625	9,790	1470	1900	405 (184)	197 (8.30)	93 (42)	19.1 (0.805)	2.25 (57)	4.9 (125)
218	231,000	26,100	173,250	19,580	1470	1900	471 (214)	227 (9.57)	154 (70)	37.2 (1.57)	2.25 (57)	4.9 (125)
318	346,500	39,150	259,875	29,370	1470	1900	551 (250)	256 (10.8)	221 (100)	55.2 (2.33)	2.75 (70)	4.9 (125)
121	185,250	20,930	139,000	15,700	1270	1630	551 (250)	345 (14.5)	128 (58)	34 (1.43)	2.75 (70)	6.3 (160)
221	370,500	41,860	278,000	31,400	1270	1630	666 (302)	416 (17.5)	212 (96)	68 (2.87)	2.75 (70)	6.3 (160)
321	555,750	62,790	417,000	47,100	1270	1630	736 (334)	460 (19.4)	318 (144)	105 (4.43)	2.75 (70)	6.3 (160)
124	255,500	28,770	191,625	21,650	1140	1430	751 (341)	536 (22.6)	167 (76)	57 (2.40)	2.75 (70)	6.3 (160)
224	511,000	57,740	383,250	43,300	1140	1430	944 (428)	677 (28.5)	290 (132)	118 (4.97)	2.75 (70)	6.3 (160)
324	766,500	86,610	574,875	64,950	1140	1430	1,144 (519)	841 (35.5)	435 (197)	180 (7.59)	2.75 (70)	6.3 (160)
227	721,400	81,500	541,000	61,130	1040	1270	1,179 (535)	1,010 (42.6)	353 (160)	206 (8.68)	3.25 (83)	6.3 (160)
327	1,082,100	122,250	811,500	91,695	1040	1270	1,359 (616)	1,209 (50.9)	527 (239)	298 (12.6)	3.25 (83)	6.3 (160)
230	1,033,000	116,700	775,000	87,520	920	1140	1,821 (826)	2,214 (93.3)	562 (255)	375 (15.8)	3.50 (89)	7.0 (178)
330	1,549,500	175,050	1,162,500	131,280	920	1140	2,180 (989)	2,470 (110.4)	842 (382)	556 (23.4)	3.50 (89)	7.0 (178)
236	1,988,000	224,800	1,500,000	168,450	790	960	2,813 (1,276)	4,572 (193)	805 (365)	824 (34.7)	5.50 (140)	8.4 (213)
336	2,982,000	336,900	2,250,000	252,675	790	960	3,404 (1,544)	5,195 (219)	1,218 (553)	1,246 (52.5)	5.50 (140)	8.4 (213)

Consult WPT Engineering for application assistance and applicable safety/service factors.