



**Low Inertia
Clutches and Brakes**

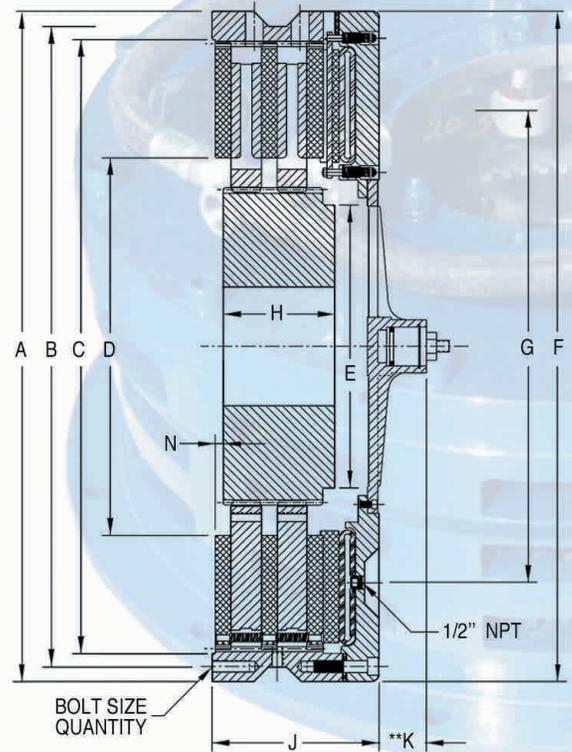
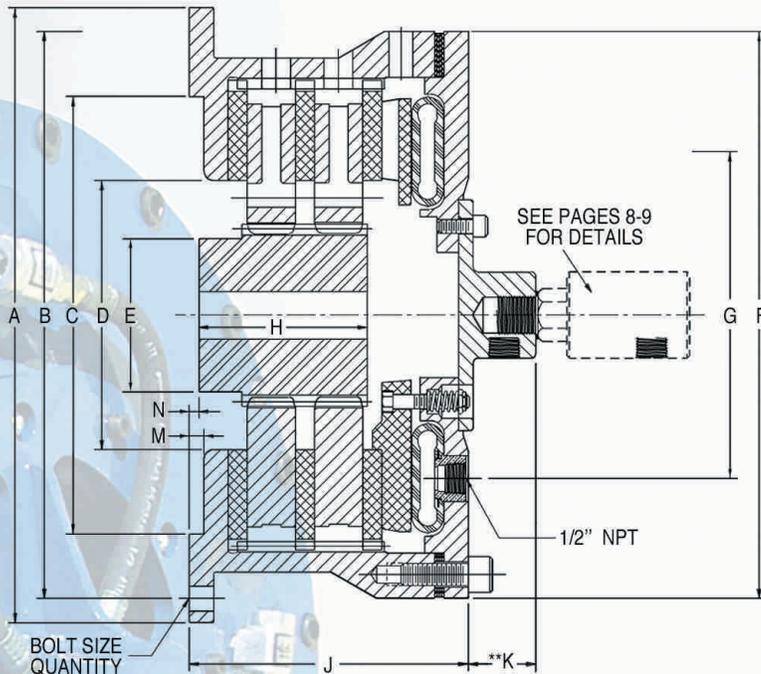


BUILT FOR POWER

Low Inertia Clutches and Brakes

DIMENSIONS inches (mm)

| SIZE | A +.000/-.003 (+.000/-.076) | B | C +.003/-.000 (+.076/-.000) | D | E | F | G | H | J | **K use for clutch only | bolt size | qty | M | N |
|------|-----------------------------------|--------------------|-----------------------------------|--------------------|--------------------|---------------------|---------------------|-------------------|---------------------|-------------------------------|-----------|-----|----------------|-----------------|
| 104 | 7.375 (187.33) | 6.875 (174.63) | 4.375 (111.13) | 2 7/8 (73.03) | NA | 6 3/8 (161.93) | NA | 1 (25.40) | 2 9/16 (65.09) | NA | 1/4 | 6 | 1/8 (3.18) | 1/16 (1.59) |
| 204 | 7.375 (187.33) | 6.875 (174.63) | 4.375 (111.13) | 2 7/8 (73.03) | NA | 6 3/8 (161.93) | NA | 1 7/8 (47.63) | 3 9/16 (90.49) | NA | 1/4 | 6 | 1/8 (3.18) | 0 |
| 106 | 8.753 (222.33) | 8.000 (203.20) | 7.377 (187.38) | 4 3/16 (106.36) | 2 11/16 (68.26) | 8 13/16 (223.84) | 4 3/4 (120.65) | 2 (50.80) | 3 3/4 (95.25) | 1 7/16 (36.51) | 5/16 | 4 | 1/16 (1.59) | 1/16 (1.59) |
| 206 | 8.753 (222.33) | 8.000 (203.20) | 7.377 (187.38) | 5 3/16 (106.36) | 2 11/16 (68.26) | 8 13/16 (223.84) | 4 3/4 (120.65) | 3 1/4 (82.55) | 4 15/16 (125.41) | 1 7/16 (36.51) | 5/16 | 4 | 1/16 (1.59) | 1/16 (1.59) |
| 108 | 12.125 (307.98) | 11.125 (282.58) | 8.375 (212.73) | 5 3/8 (136.53) | 3 1/2 (88.90) | 11 1/8 (282.58) | 6 5/8 (168.28) | 2 (50.80) | 4 9/16 (115.89) | 1 3/4 (44.45) | 1/2 | 6 | 1/4 (6.35) | 1/4 (6.35) |
| 208 | 12.125 (307.98) | 11.125 (282.58) | 8.375 (212.73) | 5 3/8 (136.53) | 3 1/2 (88.90) | 11 1/8 (282.58) | 6 5/8 (168.28) | 3 1/4 (82.55) | 5 15/16 (150.81) | 1 3/4 (44.45) | 1/2 | 6 | 1/4 (6.35) | 5/16 (7.94) |
| 111 | 16.000 (406.40) | 14.750 (374.65) | 11.375 (288.93) | 7 (177.80) | 4 (101.60) | 14 3/4 (374.65) | 8 1/2 (215.90) | 2 3/4 (69.85) | 5 7/16 (138.11) | 1 3/4 (44.45) | 5/8 | 6 | 3/8 (9.53) | 1/8 (3.18) |
| 211 | 16.000 (406.40) | 14.750 (374.65) | 11.375 (288.93) | 7 (177.80) | 4 (101.60) | 14 3/4 (374.65) | 8 1/2 (215.90) | 4 3/8 (111.13) | 7 1/4 (184.15) | 1 3/4 (44.45) | 5/8 | 6 | 3/8 (9.53) | 1/4 (6.35) |
| 311 | 16.000 (406.40) | 14.750 (374.65) | 11.375 (288.93) | 7 (177.80) | 4 (101.60) | 14 3/4 (374.65) | 8 1/2 (215.90) | 6 1/8 (155.58) | 8 15/16 (227.01) | 1 3/4 (44.45) | 5/8 | 6 | 3/8 (9.53) | 1/4 (6.35) |
| 114 | 18.750 (476.25) | 17.500 (444.50) | 14.375 (365.13) | 9 7/16 (239.71) | 5 1/2 (139.70) | 17 1/2 (444.50) | 10 3/4 (273.05) | 3 3/4 (95.25) | 6 (152.40) | 1 7/8 (47.63) | 5/8 | 8 | 3/8 (9.53) | 1/8 (3.18) |
| 214 | 18.750 (476.25) | 17.500 (444.50) | 14.375 (365.13) | 9 7/16 (239.71) | 5 1/2 (139.70) | 17 1/2 (444.50) | 10 3/4 (273.05) | 4 1/2 (114.30) | 8 (203.20) | 1 7/8 (47.63) | 5/8 | 8 | 3/8 (9.53) | 3/8 (9.53) |
| 314 | 18.750 (476.25) | 17.500 (444.50) | 14.375 (365.13) | 9 7/16 (239.71) | 5 1/2 (139.70) | 17 1/2 (444.50) | 10 3/4 (273.05) | 6 1/2 (165.10) | 9 13/16 (249.24) | 1 7/8 (47.63) | 5/8 | 8 | 3/8 (9.53) | 3/8 (9.53) |
| 116 | 21.248 (539.70) | 20.000 (508.00) | 16.250 (412.75) | 10 1/2 (266.70) | 6 (152.40) | 20 (508.00) | 12 1/2 (317.50) | 4 (101.60) | 6 5/16 (160.34) | 2 (50.80) | 5/8 | 12 | 3/8 (9.53) | 3/8 (9.53) |
| 216 | 21.248 (539.70) | 20.000 (508.00) | 16.250 (412.75) | 10 1/2 (266.70) | 6 (152.40) | 20 (508.00) | 12 1/2 (317.50) | 4 3/4 (120.65) | 8 1/4 (209.55) | 2 (50.80) | 5/8 | 12 | 3/8 (9.53) | 3/8 (9.53) |
| 316 | 21.248 (539.70) | 20.000 (508.00) | 16.250 (412.75) | 10 1/2 (266.70) | 6 (152.40) | 20 (508.00) | 12 1/2 (317.50) | 6 5/8 (168.28) | 10 1/8 (257.18) | 2 (50.80) | 5/8 | 12 | 3/8 (9.53) | 3/8 (9.53) |
| 118 | 23.250 (590.55) | 22.000 (558.80) | 18.250 (463.55) | 12 1/2 (317.50) | 7 (177.80) | 22 (558.80) | 14 3/16 (360.36) | 4 (101.60) | 6 3/4 (171.45) | 2 (50.80) | 5/8 | 12 | 3/8 (9.53) | 7/16 (11.11) |
| 218 | 23.250 (590.55) | 22.000 (558.80) | 18.250 (463.55) | 12 1/2 (317.50) | 7 (177.80) | 22 (558.80) | 14 3/16 (360.36) | 4 3/4 (120.65) | 8 5/8 (219.08) | 2 (50.80) | 5/8 | 12 | 3/8 (9.53) | 7/16 (11.11) |
| 318 | 23.250 (590.55) | 22.000 (558.80) | 18.250 (463.55) | 12 1/2 (317.50) | 7 (177.80) | 22 (558.80) | 14 3/16 (360.36) | 6 1/2 (165.10) | 10 5/16 (261.94) | 2 (50.80) | 5/8 | 12 | 3/8 (9.53) | 7/16 (11.11) |
| 121 | 27.000 (685.80) | 25.500 (647.70) | 21.375 (542.93) | 14 1/2 (368.30) | 9 (228.60) | 24 7/8 (631.83) | 16 (406.40) | 4 (101.60) | 7 3/8 (187.33) | 2 (50.80) | 5/8 | 12 | 5/16 (7.94) | 3/4 (19.05) |
| 221 | 27.000 (685.80) | 25.500 (647.70) | 21.375 (542.93) | 14 1/2 (368.30) | 9 (228.60) | 24 7/8 (631.83) | 16 (406.40) | 5 1/8 (130.18) | 9 1/2 (241.30) | 2 (50.80) | 5/8 | 12 | 5/16 (7.94) | 5/8 (15.88) |
| 321 | 27.000 (685.80) | 25.500 (647.70) | 21.375 (542.93) | 14 1/2 (368.30) | 9 (228.60) | 24 7/8 (631.83) | 16 (406.40) | 7 (177.80) | 11 9/16 (293.69) | 2 (50.80) | 5/8 | 12 | 5/16 (7.94) | 3/4 (19.05) |
| 124H | 30.000 (762.00) | 28.750 (730.25) | 24.375 (619.13) | 14 1/2 (368.30) | 9 (228.60) | 29 (736.60) | 21 (533.40) | 4 (101.60) | 7 5/8 (193.68) | 2 1/8 (53.98) | 5/8 | 12 | 1/4 (6.35) | 5/8 (15.88) |
| 224H | 30.000 (762.00) | 28.750 (730.25) | 24.375 (619.13) | 14 1/2 (368.30) | 9 (228.60) | 29 (736.60) | 21 (533.40) | 5 1/8 (130.18) | 9 15/16 (252.41) | 2 1/8 (53.98) | 5/8 | 12 | 1/4 (6.35) | 3/4 (19.05) |
| 324H | 30.000 (762.00) | 28.750 (730.25) | 24.375 (619.13) | 14 1/2 (368.30) | 9 (228.60) | 29 (736.60) | 21 (533.40) | 7 1/2 (190.50) | 12 3/16 (309.56) | 2 1/8 (53.98) | 5/8 | 12 | 1/4 (6.35) | 3/4 (19.05) |
| 227 | 32.750 (831.85) | 31.500 (800.10) | 27.375 (695.33) | 16 1/4 (412.75) | 9 (228.60) | 31 (787.40) | 21 (533.40) | 6 7/8 (174.63) | 10 3/8 (263.53) | 16 15/32 (418.31) | 5/8 | 16 | 1/4 (6.35) | 3/4 (19.05) |



SIZE 242-460

DIMENSIONS inches (mm)

| SIZE | A +.000/- .003 (+.000/- .076) | B | C +.003/- .000 (+.076/- .000) | D | E | F | G | H | J | **K use for clutch only | bolt size | qty | M | N |
|-------|-------------------------------------|---------------------|-------------------------------------|--------------------|----------------|---------------------|---------------------|---------------------|----------------------|-------------------------------|-----------|-----|---------------|-------------------|
| 327 | 32.750 (831.85) | 31.500 (800.10) | 27.375 (695.33) | 16 1/4 (412.75) | 9 (228.60) | 31 (787.40) | 21 (533.40) | 7 15/16 (201.61) | 12 3/4 (323.85) | 18 27/32 (478.63) | 5/8 | 16 | 1/4 (6.35) | 3/4 (19.05) |
| 230H | 37.000 (939.80) | 35.500 (901.70) | 30.375 (771.53) | 19 1/4 (488.95) | 10 (254.00) | 34 3/4 (882.65) | 24 3/4 (628.62) | 7 1/8 (180.98) | 11 11/16 (296.86) | 4 3/8 (111.13) | 3/4 | 18 | 1/4 (6.35) | 1 7/8 (47.63) |
| 330H | 37.000 (939.80) | 35.500 (901.70) | 30.375 (771.53) | 19 1/4 (488.95) | 10 (254.00) | 34 3/4 (882.65) | 24 3/4 (628.62) | 11 7/8 (301.63) | 15 5/16 (388.94) | 4 3/8 (111.13) | 3/4 | 18 | 1/4 (6.35) | 5/8 (15.88) |
| 236 | 43.500 (1104.90) | 42.000 (1066.80) | 36.375 (923.93) | 23 5/8 (600.08) | 14 (355.60) | 41 (1041.40) | 30 1/2 (774.70) | 9 (228.60) | 12 7/8 (327.03) | 3 3/4 (95.25) | 3/4 | 18 | 1/4 (6.35) | 5/8 (15.88) |
| 336 | 43.500 (1104.90) | 42.000 (1066.80) | 36.375 (923.93) | 23 5/8 (600.08) | 14 (355.60) | 41 (1041.40) | 30 1/2 (774.70) | 11 3/8 (288.93) | 17 1/16 (433.39) | 3 3/4 (95.25) | 3/4 | 18 | 1/4 (6.35) | 5/8 (15.88) |
| 242 * | 49.000 (1244.60) | 46.500 (1181.10) | 45.000 (1143.00) | 29 1/2 (749.30) | 16 (406.40) | 49 (1244.60) | 35 (889.00) | 7 1/2 (190.50) | 11 7/8 (301.63) | 4 1/2 (114.30) | 1 | 24 | 1/4 (6.35) | 1 1/2 (38.10) |
| 342 * | 49.000 (1244.60) | 46.500 (1181.10) | 45.000 (1143.00) | 29 1/2 (749.30) | 16 (406.40) | 49 (1244.60) | 35 (889.00) | 12 3/8 (314.33) | 14 3/4 (374.65) | 4 1/2 (114.30) | 1 | 24 | 1/4 (6.35) | 1 1/2 (38.10) |
| 248 * | 56.750 (1441.45) | 54.000 (1371.60) | 52.000 (1320.80) | 32 (812.80) | 24 (609.60) | 56 3/4 (1441.45) | 40 (1016.00) | 8 3/4 (222.25) | 14 1/16 (357.19) | 4 (101.60) | 1 | 24 | 1/4 (6.35) | 1 1/16 (17.46) |
| 348 * | 56.750 (1441.45) | 54.000 (1371.60) | 52.000 (1320.80) | 32 (812.80) | 24 (609.60) | 56 3/4 (1441.45) | 40 (1016.00) | 11 5/8 (295.28) | 16 15/16 (430.21) | 4 (101.60) | 1 | 24 | 1/4 (6.35) | 1 1/16 (17.46) |
| 260 * | 70.500 (1790.70) | 66.500 (1689.10) | 62.750 (1593.85) | 36 (914.40) | 27 (685.80) | 70 1/2 (1790.70) | 46 1/2 (1181.10) | 9 3/8 (238.13) | 17 5/8 (447.68) | 2 3/8 (60.33) | 2 | 24 | 1/4 (6.35) | 1/4 (6.35) |
| 360 * | 70.500 (1790.70) | 66.500 (1689.10) | 62.750 (1593.85) | 36 (914.40) | 27 (685.80) | 70 1/2 (1790.70) | 46 1/2 (1181.10) | 14 1/8 (358.78) | 22 5/8 (574.68) | 2 3/8 (60.33) | 2 | 24 | 1/4 (6.35) | 1/4 (6.35) |
| 460 * | 70.500 (1790.70) | 66.500 (1689.10) | 62.750 (1593.85) | 36 (914.40) | 27 (685.80) | 70 1/2 (1790.70) | 46 1/2 (1181.10) | 18 5/8 (473.08) | 27 1/8 (688.98) | 2 3/8 (60.33) | 2 | 24 | 1/4 (6.35) | 1/4 (6.35) |

* Clutch or brake does not include backplate.
 Certified prints available on request.
 For units with metric mounting, see page 3.

See pages 8-9 for Air Accessories.

Low Inertia Clutches and Brakes

SPECIFICATIONS

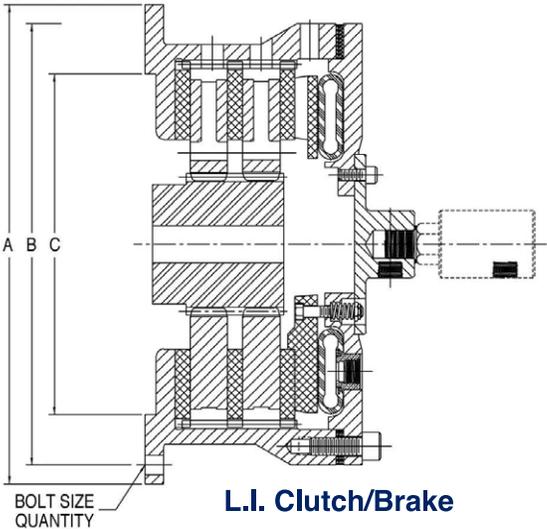
| Size | Torque Ratings @ 100 psi (lb-in)/7 bar (Nm) | | | | Maximum Speed | | WEIGHT and INERTIA | | | | BORE RANGE | |
|------|---|-----------|----------------|---------|-----------------|----------------|--------------------|---|-----------------|---|-------------|-------------|
| | Static Torque | | Dynamic Torque | | Complete Clutch | Hub & CPs only | Total Weight | Total Clutch Inertia | Hub & CP Weight | Hub & CP Inertia | Minimum | Maximum |
| | lb-in | Nm | lb-in | Nm | rpm | rpm | lbs (kgs) | lbft ² (wr ²) (kgm ² (J)) | lbs (kgs) | lbft ² (wr ²) (kgm ² (J)) | inches (mm) | inches (mm) |
| 104 | 2,340 | 260 | 1,750 | 200 | 4,660 | 7,850 | 11 (5) | 0.54 (0.023) | 2.5 (1.1) | 0.03 (0.0013) | 0.50 (12.7) | 1.8 (46) |
| 204 | 4,680 | 520 | 3,500 | 400 | 4,660 | 7,850 | 15 (7) | 0.56 (0.024) | 4.0 (1.8) | 0.04 (0.0017) | 0.50 (12.7) | 1.8 (46) |
| 106 | 4,970 | 570 | 3,730 | 425 | 3,900 | 5,280 | 29 (13) | 2.3 (0.097) | 6.6 (3.0) | 0.23 (0.010) | 0.88 (22.2) | 1.9 (48) |
| 206 | 9,940 | 1,140 | 7,460 | 850 | 3,990 | 5,280 | 36 (16) | 3.2 (0.135) | 12 (5.6) | 0.49 (0.021) | 0.88 (22.2) | 1.9 (48) |
| 108 | 7,300 | 835 | 5,500 | 630 | 2,830 | 4,290 | 63 (29) | 8.2 (0.346) | 13 (5.9) | 0.62 (0.026) | 0.94 (23.8) | 2.5 (62) |
| 208 | 14,600 | 1,670 | 11,000 | 1,260 | 2,830 | 4,290 | 72 (33) | 9.3 (0.392) | 24 (11) | 1.2 (0.051) | 1.13 (29) | 2.5 (62) |
| 111 | 16,600 | 1,905 | 12,450 | 1,425 | 2,140 | 3,120 | 141 (64) | 28 (1.22) | 28 (13) | 2.4 (0.101) | 1.25 (32) | 2.8 (71) |
| 211 | 33,200 | 3,810 | 24,900 | 2,850 | 2,140 | 3,120 | 164 (74) | 34 (1.43) | 52 (24) | 4.7 (0.198) | 1.25 (32) | 2.8 (71) |
| 311 | 49,800 | 5,715 | 37,350 | 4,220 | 2,140 | 3,120 | 191 (87) | 41 (1.73) | 77 (35) | 7.0 (0.295) | 1.25 (32) | 2.8 (71) |
| 114 | 28,900 | 3,315 | 21,700 | 2,490 | 1,830 | 2,450 | 178 (81) | 56 (2.36) | 52 (23) | 6.0 (0.253) | 1.88 (48) | 3.3 (85) |
| 214 | 57,800 | 6,630 | 43,400 | 4,980 | 1,830 | 2,450 | 229 (104) | 70 (2.95) | 84 (38) | 11.5 (0.485) | 1.88 (48) | 3.9 (98) |
| 314 | 86,700 | 9,945 | 65,100 | 7,470 | 1,830 | 2,450 | 279 (127) | 84 (3.54) | 126 (57) | 16.9 (0.712) | 1.88 (48) | 3.9 (98) |
| 116 | 39,750 | 4,560 | 29,800 | 3,420 | 1,610 | 2,140 | 253 (115) | 103 (4.34) | 65 (30) | 10.7 (0.451) | 2.13 (54) | 4.2 (107) |
| 216 | 79,500 | 9,120 | 59,600 | 6,840 | 1,610 | 2,140 | 327 (148) | 127 (5.35) | 109 (49) | 19.8 (0.834) | 2.13 (54) | 4.2 (107) |
| 316 | 119,250 | 13,680 | 89,400 | 10,260 | 1,610 | 2,140 | 401 (182) | 150 (6.32) | 157 (71) | 28.8 (1.21) | 2.13 (54) | 4.2 (107) |
| 118 | 66,400 | 7,620 | 49,800 | 5,715 | 1,470 | 1,900 | 316 (143) | 165 (6.95) | 93 (42) | 19.1 (0.805) | 2.25 (57) | 4.9 (125) |
| 218 | 132,800 | 15,240 | 99,600 | 11,430 | 1,470 | 1,900 | 382 (173) | 189 (7.96) | 154 (70) | 37.2 (1.57) | 2.25 (57) | 4.9 (125) |
| 318 | 199,200 | 22,860 | 149,400 | 17,145 | 1,470 | 1,900 | 462 (210) | 219 (9.23) | 221 (100) | 55.2 (2.33) | 2.75 (70) | 4.9 (125) |
| 121 | 95,400 | 10,950 | 71,500 | 8,205 | 1,270 | 1,630 | 456 (207) | 303 (12.8) | 128 (58) | 34 (1.43) | 2.75 (70) | 6.3 (160) |
| 221 | 190,800 | 21,900 | 143,000 | 16,410 | 1,270 | 1,630 | 571 (259) | 356 (15.0) | 212 (96) | 68 (2.87) | 2.75 (70) | 6.3 (160) |
| 321 | 286,200 | 32,850 | 214,500 | 24,615 | 1,270 | 1,630 | 641 (291) | 412 (17.4) | 318 (144) | 105 (4.43) | 2.75 (70) | 6.3 (160) |
| 124H | 160,600 | 18,435 | 120,500 | 13,830 | 1,140 | 1,430 | 623 (283) | 470 (19.8) | 167 (76) | 57 (2.40) | 2.75 (70) | 6.3 (160) |
| 224H | 321,200 | 36,870 | 241,000 | 27,660 | 1,140 | 1,430 | 816 (370) | 620 (26.1) | 290 (132) | 118 (4.97) | 2.75 (70) | 6.3 (160) |
| 324H | 481,800 | 55,305 | 361,500 | 41,490 | 1,140 | 1,430 | 1,016 (461) | 765 (32.2) | 435 (197) | 180 (7.59) | 2.75 (70) | 6.3 (160) |
| 227 | 361,100 | 41,450 | 270,800 | 31,080 | 1,040 | 1,270 | 974 (442) | 890 (37.5) | 353 (160) | 206 (8.68) | 3.25 (83) | 6.3 (160) |
| 327 | 541,650 | 62,175 | 406,200 | 46,620 | 1,040 | 1,270 | 1,154 (523) | 1,048 (44.2) | 527 (239) | 298 (12.6) | 3.25 (83) | 6.3 (160) |
| 230H | 689,200 | 79,110 | 517,000 | 59,340 | 920 | 1,140 | 1,371 (622) | 1,579 (66.5) | 562 (255) | 375 (15.8) | 3.50 (89) | 7.0 (178) |
| 330H | 1,033,800 | 118,665 | 775,500 | 89,010 | 920 | 1,140 | 1,730 (785) | 1,861 (78.4) | 842 (382) | 556 (23.4) | 3.50 (89) | 7.0 (178) |
| 236 | 1,068,000 | 122,600 | 801,000 | 91,940 | 790 | 960 | 1,929 (875) | 3,259 (137) | 805 (365) | 824 (34.7) | 5.50 (140) | 8.4 (213) |
| 336 | 1,602,000 | 183,900 | 1,201,500 | 137,910 | 790 | 960 | 2,545 (1,154) | 4,144 (175) | 1,218 (553) | 1,246 (52.5) | 5.50 (140) | 8.4 (213) |
| 242 | 1,509,400 | 173,200 | 1,132,000 | 129,900 | 700 | 820 | 2,313 (1,049) | 5,444 (229) | 950 (431) | 1,176 (49.6) | 7.50 (191) | 11.2 (285) |
| 342 | 2,264,100 | 259,800 | 1,698,000 | 194,850 | 700 | 820 | 2,749 (1,247) | 6,529 (275) | 1,425 (646) | 1,705 (71.8) | 7.50 (191) | 11.2 (285) |
| 248 | 2,832,000 | 325,000 | 2,124,000 | 243,800 | 600 | 710 | 4,165 (1,889) | 12,810 (540) | 1,795 (814) | 3,320 (140) | 10.00 (254) | 14.5 (368) |
| 348 | 4,248,000 | 487,500 | 3,186,000 | 365,700 | 600 | 710 | 5,378 (2,439) | 17,215 (725) | 2,838 (1,287) | 4,800 (202) | 10.00 (254) | 14.5 (368) |
| 260 | 5,670,000 | 650,900 | 4,252,500 | 488,100 | 480 | 570 | 9,555 (4,334) | 46,520 (1,960) | 2,587 (1,174) | 7,097 (299) | 10.00 (254) | 18.9 (480) |
| 360 | 8,505,000 | 976,350 | 6,378,750 | 732,150 | 480 | 570 | 11,634 (5,277) | 57,512 (2,424) | 3,890 (1,765) | 10,635 (448) | 10.00 (254) | 18.9 (480) |
| 460 | 11,340,000 | 1,301,800 | 8,505,000 | 976,200 | 480 | 570 | 14,245 (6,462) | 68,020 (2,866) | 5,540 (2,513) | 14,650 (617) | 10.00 (254) | 18.9 (480) |

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

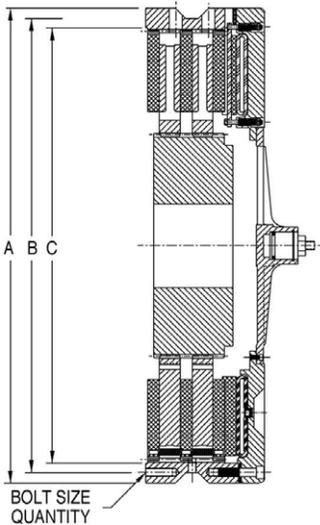
Units with Metric Mounting Dimensions

METRIC (mm)

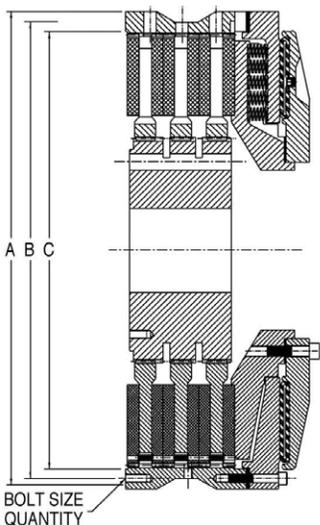
| SIZE | A | B | C ISO H8 | bolt size | qty |
|-------|------|------|-------------|-----------|-----|
| 104 | 181 | 165 | 140 | 8.5 | 4 |
| 204 | 181 | 165 | 140 | 8.5 | 4 |
| 106 | 220 | 203 | 190 | 9 | 4 |
| 206 | 220 | 203 | 190 | 9 | 4 |
| 108 | 310 | 280 | 220 | 14 | 6 |
| 208 | 310 | 280 | 220 | 14 | 6 |
| 111 | 400 | 375 | 295 | 18 | 6 |
| 211 | 400 | 375 | 295 | 18 | 6 |
| 311 | 400 | 375 | 295 | 18 | 6 |
| 114 | 470 | 445 | 370 | 18 | 8 |
| 214 | 470 | 445 | 370 | 18 | 8 |
| 314 | 470 | 445 | 370 | 18 | 8 |
| 116 | 540 | 510 | 410 | 18 | 12 |
| 216 | 540 | 510 | 410 | 18 | 12 |
| 316 | 540 | 510 | 410 | 18 | 12 |
| 118 | 590 | 560 | 470 | 18 | 12 |
| 218 | 590 | 560 | 470 | 18 | 12 |
| 318 | 590 | 560 | 470 | 18 | 12 |
| 121 | 685 | 648 | 540 | 18 | 12 |
| 221 | 685 | 648 | 540 | 18 | 12 |
| 321 | 685 | 648 | 540 | 18 | 12 |
| 124H | 760 | 730 | 620 | 18 | 12 |
| 224H | 760 | 730 | 620 | 18 | 12 |
| 324H | 760 | 730 | 620 | 18 | 12 |
| 227 | 830 | 800 | 700 | 18 | 16 |
| 327 | 830 | 800 | 700 | 18 | 16 |
| 230H | 940 | 900 | 775 | 22 | 18 |
| 330H | 940 | 900 | 775 | 22 | 18 |
| 236 | 1105 | 1065 | 925 | 22 | 18 |
| 336 | 1105 | 1065 | 925 | 22 | 18 |
| 242 | 1320 | 1250 | 1134 | 26 | 24 |
| 342 | 1320 | 1250 | 1134 | 26 | 24 |
| 248 * | 1442 | 1372 | 1320 | M24 | 24 |
| 348 * | 1442 | 1372 | 1320 | M24 | 24 |
| 260 * | 1790 | 1689 | 1590 | 2" NC | 24 |
| 360 * | 1790 | 1689 | 1590 | 2" NC | 24 |
| 460 * | 1790 | 1689 | 1590 | 2" NC | 24 |



L.I. Clutch/Brake



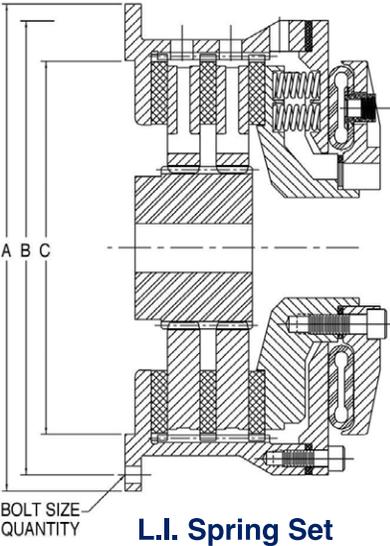
**L.I. Clutch/Brake
Sizes 242-460**



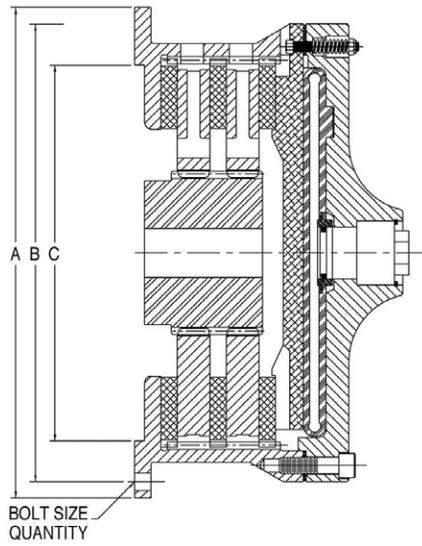
**L.I. Spring Set
Air Release Brake
Sizes 242-460**

* Clutch or brake does not include backplate.

Certified prints available on request.



**L.I. Spring Set
Air Release Brake**



L.I. High Torque Clutch

High Torque Clutches

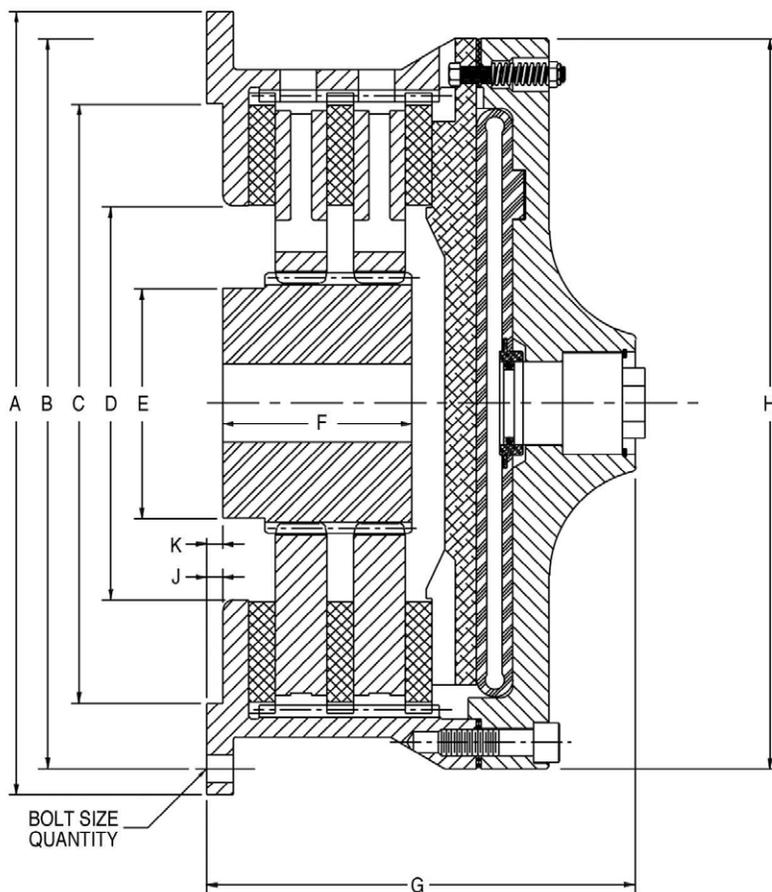
DIMENSIONS inches (mm)

| SIZE | A +.000/- .003 (+.000/- .076) | B | C +.003/- .000 (+.076/- .000) | 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 rpm | Hub & CPs only rpm | Total Weight lbs (kgs) | Total Inertia lbf ² (wr ²) (kgm ² (J)) | Hub & CP Weight lbs (kgs) | Hub & CP Inertia lbf ² (wr ²) (kgm ² (J)) | Minimum inches (mm) | Maximum inches (mm) |
| | lb-in | Nm | lb-in | Nm | | | | | | | | |
| 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 | 28,870 | 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 (104) | 842 (382) | 556 (23.4) | 3.50 (89) | 7.0 (178) |
| 236 | 1,988,000 | 224,600 | 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.

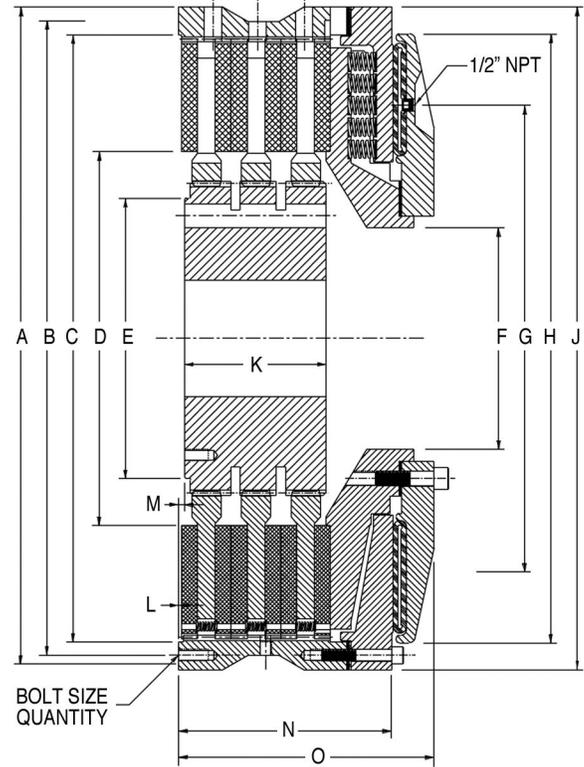
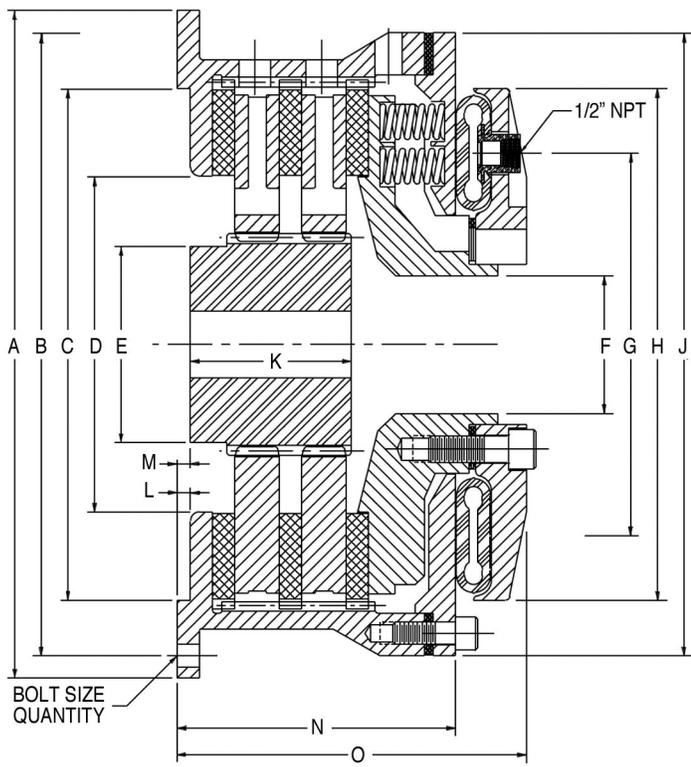
Spring Set Brakes

DIMENSIONS inches (mm)

Certified prints available upon request.
For units with Metric Mounting, see page 3.
For Air Accessories, see pages 8-9.

| SIZE | A +.000/-0.003 (+.000/-0.076) | B | C +.003/-0.000 (+.075/-0.000) | D | E | F | G | H | J | K | L | M | N | O | BOLT SIZE | QUAN- TITY |
|------|-------------------------------------|---------------------|-------------------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|---------------------|---------------------|----------------|------------------|----------------------|----------------------|--------------|---------------|
| 106 | 8.750 (222.25) | 8.000 (203.20) | 7.377 (187.38) | 4 3/16 (106.36) | 2 11/16 (68.26) | 2 (50.80) | 4 3/4 (120.65) | 7 11/32 (186.53) | 8 13/16 (223.84) | 2 (50.80) | 1/16 (1.59) | 1/16 (1.59) | 4 13/32 (111.92) | 5 1/2 (139.70) | 5/16 | 4 |
| 206 | 8.750 (222.25) | 8.000 (203.20) | 7.377 (187.38) | 4 3/16 (106.36) | 2 11/16 (68.26) | 2 (50.80) | 4 3/4 (120.65) | 7 11/32 (186.53) | 8 13/16 (223.84) | 3 1/4 (82.55) | 1/16 (1.59) | 1/16 (1.59) | 5 19/32 (142.08) | 6 21/32 (169.07) | 5/16 | 4 |
| 108 | 12.125 (307.98) | 11.125 (282.58) | 8.375 (212.73) | 5 3/8 (136.53) | 3 1/2 (88.90) | 1 61/64 (49.61) | 6 5/8 (168.28) | 9 3/8 (238.13) | 11 1/8 (282.58) | 2 (50.80) | 1/4 (6.35) | 1/4 (6.35) | 4 9/16 (115.89) | 5 7/8 (149.23) | 1/2 | 6 |
| 208 | 12.125 (307.98) | 11.125 (282.58) | 8.375 (212.73) | 5 3/8 (136.53) | 3 1/2 (88.90) | 1 61/64 (49.61) | 6 5/8 (168.28) | 9 3/8 (238.13) | 11 1/8 (282.58) | 3 1/4 (82.55) | 1/4 (6.35) | 1/4 (6.35) | 5 7/8 (149.23) | 7 13/16 (182.56) | 1/2 | 6 |
| 111 | 16.000 (406.40) | 14.750 (374.65) | 11.375 (288.93) | 7 (177.80) | 4 (101.60) | 3 1/64 (76.60) | 8 1/2 (215.90) | 11 15/16 (303.21) | 14 3/4 (374.65) | 2 3/4 (69.85) | 3/8 (9.53) | 1/8 (3.18) | 5 7/16 (138.11) | 6 13/16 (173.04) | 5/8 | 6 |
| 211 | 16.000 (406.40) | 14.750 (374.65) | 11.375 (288.93) | 7 (177.80) | 4 (101.60) | 3 1/64 (76.60) | 8 1/2 (215.90) | 11 15/16 (303.21) | 14 3/4 (374.65) | 4 3/8 (111.13) | 3/8 (9.53) | 1/4 (6.35) | 7 1/4 (184.15) | 8 5/8 (219.08) | 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) | 3 7/8 (98.43) | 10 3/4 (273.05) | 14 3/8 (365.13) | 17 1/2 (444.50) | 3 (76.20) | 3/8 (9.53) | 1/8 (3.18) | 5 7/8 (149.23) | 7 7/8 (200.03) | 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) | 3 7/8 (98.43) | 10 3/4 (273.05) | 14 3/8 (365.13) | 17 1/2 (444.50) | 4 1/2 (114.30) | 3/8 (9.53) | 3/8 (9.53) | 7 13/16 (198.44) | 9 13/16 (249.24) | 5/8 | 8 |
| 116 | 21.248 (539.70) | 20.000 (508.00) | 16.250 (412.75) | 10 1/2 (266.70) | 6 (152.40) | 4 3/8 (111.13) | 12 1/2 (317.50) | 16 19/64 (413.94) | 20 (508.00) | 4 (101.60) | 3/8 (9.53) | 3/8 (9.53) | 6 (152.40) | 8 1/4 (209.55) | 5/8 | 12 |
| 216 | 21.248 (539.70) | 20.000 (508.00) | 16.250 (412.75) | 10 1/2 (266.70) | 6 (152.40) | 4 3/8 (111.13) | 12 1/2 (317.50) | 16 19/64 (413.94) | 20 (508.00) | 4 3/4 (120.65) | 3/8 (9.53) | 3/8 (9.53) | 7 7/8 (200.03) | 10 1/8 (257.18) | 5/8 | 12 |
| 118 | 23.250 (590.55) | 22.000 (558.80) | 18.250 (463.55) | 12 1/2 (317.50) | 7 (177.80) | 4 7/8 (123.83) | 14 3/16 (360.36) | 19 3/8 (492.13) | 22 (558.80) | 4 (101.60) | 3/8 (9.53) | 7/16 (11.11) | 6 9/16 (166.69) | 8 13/16 (223.84) | 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 7/8 (123.83) | 14 3/16 (360.36) | 19 3/8 (492.13) | 22 (558.80) | 4 3/4 (120.65) | 3/8 (9.53) | 7/16 (11.11) | 8 7/16 (214.31) | 10 11/16 (271.46) | 5/8 | 12 |
| 318 | 23.250 (590.55) | 22.000 (558.80) | 18.250 (463.55) | 12 1/2 (317.50) | 7 (177.80) | 4 7/8 (123.83) | 14 3/16 (360.36) | 19 3/8 (492.13) | 22 (558.80) | 6 1/2 (165.10) | 3/8 (9.53) | 7/16 (11.11) | 10 5/16 (261.94) | 12 9/16 (319.09) | 5/8 | 12 |
| 121 | 27.000 (685.80) | 25.500 (647.70) | 21.375 (542.93) | 14 1/2 (368.30) | 9 (228.60) | 6 1/4 (158.75) | 16 (406.40) | 21 5/16 (541.34) | 24 7/8 (631.83) | 4 (101.60) | 5/16 (7.94) | 3/4 (19.05) | 7 1/2 (190.50) | 9 15/16 (242.41) | 5/8 | 12 |
| 221 | 27.000 (685.80) | 25.500 (647.70) | 21.375 (542.93) | 14 1/2 (368.30) | 9 (228.60) | 6 1/4 (158.75) | 16 (406.40) | 21 5/16 (541.34) | 24 7/8 (631.83) | 5 1/8 (130.18) | 5/16 (7.94) | 3/4 (19.05) | 9 5/8 (244.48) | 12 1/16 (306.39) | 5/8 | 12 |
| 321 | 27.000 (685.80) | 25.500 (647.70) | 21.375 (542.93) | 14 1/2 (368.30) | 9 (228.60) | 6 1/4 (158.75) | 16 (406.40) | 21 5/16 (541.34) | 24 7/8 (631.83) | 7 (177.80) | 5/16 (7.94) | 3/4 (19.05) | 11 3/4 (298.45) | 14 3/16 (360.36) | 5/8 | 12 |
| 124H | 30.000 (762.00) | 28.750 (730.25) | 24.375 (619.13) | 14 1/2 (368.30) | 9 (228.60) | 8 1/4 (209.55) | 21 (533.40) | 27 (685.80) | 29 (736.60) | 4 (101.60) | 1/4 (6.35) | 3/4 (19.05) | 7 5/16 (185.74) | 9 11/16 (246.06) | 5/8 | 12 |
| 224H | 30.000 (762.00) | 28.750 (730.25) | 24.375 (619.13) | 14 1/2 (368.30) | 9 (228.60) | 8 1/4 (209.55) | 21 (533.40) | 27 (685.80) | 29 (736.60) | 5 1/8 (130.18) | 1/4 (6.35) | 13/16 (20.64) | 9 9/16 (242.89) | 11 15/16 (303.21) | 5/8 | 12 |
| 324H | 30.000 (762.00) | 28.750 (730.25) | 24.375 (619.13) | 14 1/2 (368.30) | 9 (228.60) | 8 1/4 (209.55) | 21 (533.40) | 27 (685.80) | 29 (736.60) | 7 1/2 (190.50) | 1/4 (6.35) | 13/16 (20.64) | 11 13/16 (300.04) | 14 3/16 (360.36) | 5/8 | 12 |
| 227 | 32.750 (831.85) | 31.500 (800.10) | 27.375 (695.33) | 16 1/4 (412.75) | 9 (228.60) | 8 1/4 (209.55) | 21 (533.40) | 27 (685.80) | 31 (787.40) | 6 7/8 (174.63) | 1/4 (6.35) | 3/4 (19.05) | 10 3/32 (256.38) | 12 1/2 (317.50) | 5/8 | 16 |
| 327 | 32.750 (831.85) | 31.500 (800.10) | 27.375 (695.33) | 16 1/4 (412.75) | 9 (228.60) | 8 1/4 (209.55) | 21 (533.40) | 27 (685.80) | 31 (787.40) | 7 15/16 (201.61) | 1/4 (6.35) | 3/4 (19.05) | 12 15/32 (316.71) | 14 7/8 (377.83) | 5/8 | 16 |
| 230H | 37.000 (939.80) | 35.500 (901.70) | 30.375 (771.53) | 19 1/4 (488.95) | 10 (254.00) | 8 1/4 (209.55) | 24 3/4 (628.65) | 32 (812.80) | 34 3/4 (882.65) | 7 1/8 (180.98) | 1/4 (6.35) | 1 7/8 (47.63) | 11 11/16 (296.86) | 14 7/16 (366.71) | 3/4 | 18 |
| 330H | 37.000 (939.80) | 35.500 (901.70) | 30.375 (771.53) | 19 1/4 (488.95) | 10 (254.00) | 8 1/4 (209.55) | 24 3/4 (628.65) | 32 (812.80) | 34 3/4 (882.65) | 11 7/8 (301.63) | 1/4 (6.35) | 5/8 (15.88) | 15 1/16 (382.59) | 17 13/16 (452.44) | 3/4 | 18 |
| 236 | 43.500 (1104.90) | 42.000 (1066.80) | 36.375 (923.93) | 23 5/8 (600.08) | 12 (304.80) | 12 3/4 (323.85) | 30 1/2 (774.70) | 38 1/4 (971.55) | 41 (1041.40) | 9 (228.60) | 1/4 (6.35) | 5/8 (15.88) | 11 3/4 (298.45) | 15 5/16 (388.94) | 3/4 | 18 |
| 336 | 43.500 (1104.90) | 42.000 (1066.80) | 36.375 (923.93) | 23 5/8 (600.08) | 12 (304.80) | 12 3/4 (323.85) | 30 1/2 (774.70) | 38 1/4 (971.55) | 41 (1041.40) | 12 3/8 (314.33) | 1/4 (6.35) | 5/8 (15.88) | 15 9/16 (295.29) | 19 (482.60) | 3/4 | 18 |
| 242* | 49.000 (1244.60) | 46.500 (1181.05) | 45.000 (1143.00) | 29 1/2 (749.30) | 16 (406.40) | 20 7/16 (519.11) | 35 (889.00) | 44 1/8 (1120.78) | 49 1/4 (1250.95) | 9 3/8 (238.13) | 1/4 (6.35) | 7/8 (22.23) | 30 3/8 (304.80) | 35 5/8 (355.60) | 1 | 24 |
| 342* | 49.000 (1244.60) | 46.500 (1181.05) | 45.000 (1143.00) | 29 1/2 (749.30) | 16 (406.40) | 20 7/16 (519.11) | 35 (889.00) | 44 1/8 (1120.78) | 49 1/4 (1250.95) | 12 3/8 (314.33) | 1/4 (6.35) | 7/8 (22.23) | 15 3/4 (400.05) | 17 5/8 (447.68) | 1 | 24 |
| 248* | 56.750 (1441.46) | 54.000 (1371.61) | 52.000 (1320.81) | 32 (812.80) | 24 (609.60) | 19 (482.60) | 40 (1016.00) | 52 1/8 (1323.98) | 56 3/4 (1441.46) | 8 3/4 (222.25) | 1/4 (6.35) | 3/4 (19.05) | 13 7/8 (141.41) | 17 5/8 (447.68) | 1 | 24 |
| 348* | 56.750 (1441.46) | 54.000 (1371.61) | 52.000 (1320.81) | 32 (812.80) | 24 (609.60) | 19 (482.60) | 40 (1016.00) | 52 1/8 (1323.98) | 56 3/4 (1441.46) | 12 5/8 (320.68) | 1/4 (6.35) | 1/2 (12.70) | 18 7/16 (468.31) | 22 3/4 (577.85) | 1 | 24 |
| 260* | 70.500 (1790.71) | 66.500 (1689.11) | 67.750 (1720.86) | 36 (914.40) | 27 (685.80) | 20 5/8 (523.88) | 46 (1168.40) | 61 1/2 (1562.11) | 70 1/2 (1790.71) | 9 3/8 (238.13) | 1/4 (6.35) | 1/4 (6.35) | 17 3/4 (450.85) | 22 3/8 (568.33) | 2 | 24 |
| 360* | 70.500 (1790.71) | 66.500 (1689.11) | 67.750 (1720.86) | 36 (914.40) | 27 (685.80) | 20 5/8 (523.88) | 46 (1168.40) | 61 1/2 (1562.11) | 70 1/2 (1790.71) | 14 1/8 (358.78) | 1/4 (6.35) | 1/4 (6.35) | 22 1/4 (565.15) | 26 7/8 (682.63) | 2 | 24 |
| 460* | 70.500 (1790.71) | 66.500 (1689.11) | 67.750 (1720.86) | 36 (914.40) | 27 (685.80) | 20 5/8 (523.88) | 46 (1168.40) | 61 1/2 (1562.11) | 70 1/2 (1790.71) | 18 5/8 (473.08) | 1/4 (6.35) | 1/4 (6.35) | 26 3/4 (679.45) | 31 3/8 (796.93) | 2 | 24 |

*Brake does not include backplate



Size 242-460

SPECIFICATIONS

| Size | Minimum Release Pressure | | | | | | | | | | | | Maximum Speed rpm | WEIGHT and INERTIA | | | BORE RANGE | |
|-------|--------------------------|---------|----------------|---------|--------------------|--------|----------------|--------|--------------------|--------|----------------|--------|----------------------|---------------------------|------------------------------|--|------------------------|------------------------|
| | 60 psi/4.1 bar (1) | | | | 75 psi/5.2 bar (2) | | | | 90 psi/6.2 bar (3) | | | | | Total Weight lbs (kgs) | Hub & CP Weight lbs (kgs) | Hub & CP Inertia lbf ² (w ²) (kgm ² (J)) | Minimum inches (mm) | Maximum inches (mm) |
| | Static Torque | | Dynamic Torque | | Static Torque | | Dynamic Torque | | Static Torque | | Dynamic Torque | | | | | | | |
| lb-in | Nm | lb-in | Nm | lb-in | Nm | lb-in | Nm | lb-in | Nm | lb-in | Nm | lb-in | Nm | lbs (kgs) | lbs (kgs) | lbf ² (w ²) (kgm ² (J)) | inches (mm) | inches (mm) |
| 106 | 2,425 | 275 | 1,800 | 205 | 3,275 | 370 | 2,450 | 275 | 3,930 | 445 | 2,950 | 335 | 5280 | 44 (20) | 6.6 (3.0) | 0.23 (0.010) | 0.88 (22.2) | 1.9 (48) |
| 206 | 4,850 | 550 | 3,600 | 410 | 6,550 | 740 | 4,900 | 550 | 7,850 | 885 | 5,900 | 665 | 5280 | 51 (23) | 12 (5.6) | 0.49 (0.021) | 0.88 (22.2) | 1.9 (48) |
| 108 | 3,600 | 405 | 2,700 | 305 | 4,900 | 555 | 3,700 | 420 | 5,700 | 645 | 4,300 | 485 | 4290 | 74 (34) | 13 (5.9) | 0.62 (0.026) | 0.94 (23.8) | 2.5 (62) |
| 208 | 7,800 | 880 | 5,850 | 660 | 9,000 | 1,015 | 6,750 | 765 | 10,500 | 1,185 | 7,900 | 895 | 4290 | 84 (38) | 24 (11) | 1.2 (0.051) | 1.13 (29) | 2.5 (62) |
| 111 | 8,900 | 1,005 | 6,675 | 755 | 11,100 | 1,255 | 8,300 | 940 | 12,900 | 1,460 | 9,700 | 1,095 | 3120 | 165 (75) | 28 (13) | 2.4 (0.101) | 1.25 (32) | 2.8 (71) |
| 211 | 16,000 | 1,810 | 12,000 | 1,355 | 19,900 | 2,250 | 14,900 | 1,685 | 23,200 | 2,620 | 17,400 | 1,965 | 3120 | 188 (85) | 52 (24) | 4.7 (0.198) | 1.25 (32) | 2.8 (71) |
| 114 | 15,000 | 1,695 | 11,250 | 1,270 | 19,200 | 2,170 | 14,400 | 1,625 | 24,000 | 2,710 | 18,000 | 2,035 | 2450 | 243 (110) | 52 (23) | 6.0 (0.253) | 1.88 (48) | 3.3 (85) |
| 214 | 28,800 | 3,255 | 21,600 | 2,440 | 34,500 | 3,900 | 25,900 | 2,925 | 43,200 | 4,880 | 32,400 | 3,660 | 2450 | 294 (133) | 84 (38) | 11.5 (0.485) | 1.88 (48) | 3.9 (98) |
| 116 | 20,800 | 2,350 | 15,600 | 1,765 | 25,400 | 2,870 | 19,000 | 2,145 | 32,800 | 3,705 | 24,600 | 2,780 | 2140 | 307 (139) | 65 (30) | 10.7 (0.451) | 2.13 (54) | 4.2 (107) |
| 216 | 40,000 | 4,520 | 30,000 | 3,390 | 50,600 | 5,720 | 38,000 | 4,295 | 62,700 | 7,085 | 47,000 | 5,310 | 2140 | 381 (173) | 109 (49) | 19.8 (0.834) | 2.13 (54) | 4.2 (107) |
| 118 | 33,400 | 3,775 | 25,000 | 2,825 | 43,600 | 4,930 | 32,700 | 3,695 | 51,400 | 5,810 | 38,600 | 4,360 | 1900 | 455 (206) | 93 (42) | 19.1 (0.805) | 2.25 (57) | 4.9 (125) |
| 218 | 64,300 | 7,265 | 48,200 | 5,450 | 78,400 | 8,860 | 58,800 | 6,645 | 92,400 | 10,440 | 69,300 | 7,830 | 1900 | 521 (236) | 154 (70) | 37.2 (1.57) | 2.25 (57) | 4.9 (125) |
| 318 | 91,200 | 10,300 | 68,400 | 7,730 | 104,600 | 11,820 | 78,500 | 8,870 | 123,300 | 13,935 | 92,500 | 10,455 | 1900 | 601 (273) | 221 (100) | 55.2 (2.33) | 2.75 (70) | 4.9 (125) |
| 121 | 45,700 | 5,165 | 34,300 | 3,875 | 57,800 | 6,530 | 43,400 | 4,905 | 71,800 | 8,115 | 53,900 | 6,090 | 1630 | 624 (283) | 128 (58) | 34 (1.43) | 2.75 (70) | 6.3 (160) |
| 221 | 91,200 | 10,300 | 68,400 | 7,730 | 116,000 | 13,110 | 87,000 | 9,830 | 130,500 | 14,745 | 97,900 | 11,065 | 1630 | 739 (335) | 212 (96) | 68 (2.87) | 2.75 (70) | 6.3 (160) |
| 321 | 130,400 | 14,740 | 97,800 | 11,050 | 168,800 | 19,075 | 126,600 | 14,305 | 176,200 | 19,910 | 132,200 | 14,940 | 1630 | 809 (367) | 318 (144) | 105 (4.43) | 2.75 (70) | 6.3 (160) |
| 124H | 79,000 | 8,925 | 59,300 | 6,700 | 95,900 | 10,835 | 71,900 | 8,125 | 126,800 | 14,330 | 95,100 | 10,745 | 1430 | 856 (388) | 167 (76) | 57 (2.40) | 2.75 (70) | 6.3 (160) |
| 224H | 151,500 | 17,120 | 113,600 | 12,840 | 171,600 | 19,390 | 128,700 | 14,545 | 252,300 | 28,510 | 189,200 | 21,380 | 1430 | 1,049 (476) | 290 (132) | 118 (4.97) | 2.75 (70) | 6.3 (160) |
| 324H | 227,200 | 25,670 | 170,400 | 19,260 | 294,500 | 33,280 | 220,900 | 24,960 | 374,300 | 42,300 | 280,700 | 31,720 | 1430 | 1,249 (567) | 435 (197) | 180 (7.59) | 2.75 (70) | 6.3 (160) |
| 227 | 181,800 | 20,540 | 136,400 | 15,410 | 225,300 | 25,460 | 169,000 | 19,100 | 272,400 | 30,780 | 204,300 | 23,085 | 1270 | 1,280 (581) | 353 (160) | 206 (8.68) | 3.25 (83) | 6.3 (160) |
| 327 | 260,900 | 29,480 | 195,700 | 22,110 | 334,300 | 37,775 | 250,700 | 28,330 | 418,600 | 47,300 | 314,000 | 35,480 | 1270 | 1,460 (662) | 527 (239) | 298 (12.6) | 3.25 (83) | 6.3 (160) |
| 230H | 330,700 | 37,370 | 248,000 | 28,020 | 440,600 | 49,790 | 330,500 | 37,350 | 542,200 | 61,270 | 406,700 | 45,960 | 1140 | 1,862 (845) | 562 (255) | 375 (15.8) | 3.50 (89) | 7.0 (178) |
| 330H | 512,800 | 57,950 | 384,600 | 43,460 | 670,100 | 75,720 | 502,600 | 56,800 | 800,600 | 90,470 | 600,500 | 67,855 | 1140 | 2,221 (1,007) | 842 (382) | 556 (23.4) | 3.50 (89) | 7.0 (178) |
| 236 | 514,800 | 58,170 | 386,100 | 43,630 | - | - | - | - | - | - | - | - | 960 | 2,753 (1,249) | 805 (365) | 824 (34.7) | 5.50 (140) | 8.4 (213) |
| 336 | 697,100 | 78,770 | 522,800 | 59,080 | - | - | - | - | - | - | - | - | 960 | 3,369 (1,528) | 1,218 (553) | 1,246 (52.5) | 5.50 (140) | 8.4 (213) |
| 242 | 858,000 | 96,950 | 643,700 | 72,740 | - | - | - | - | - | - | - | - | 820 | 4,413 (2,002) | 950 (431) | 1,176 (49.6) | 7.50 (191) | 11.2 (285) |
| 342 | 1,162,000 | 131,300 | 871,500 | 98,480 | - | - | - | - | - | - | - | - | 820 | 4,849 (2,200) | 1,425 (646) | 1,705 (71.8) | 7.50 (191) | 11.2 (285) |
| 248 | 1,439,000 | 162,600 | 1,079,600 | 122,000 | - | - | - | - | - | - | - | - | 710 | 6,982 (3,167) | 1,795 (814) | 3,320 (140) | 10.00 (254) | 14.5 (368) |
| 348 | 1,949,000 | 220,200 | 1,462,000 | 165,200 | - | - | - | - | - | - | - | - | 710 | 8,195 (3,717) | 2,838 (1,287) | 4,800 (202) | 10.00 (254) | 14.5 (368) |
| 260 | 3,510,000 | 396,600 | 2,632,000 | 297,400 | - | - | - | - | - | - | - | - | 570 | 12,046 (5,464) | 2,587 (1,174) | 7,097 (299) | 10.00 (254) | 18.9 (480) |
| 360 | 4,752,000 | 537,000 | 3,564,000 | 402,700 | - | - | - | - | - | - | - | - | 570 | 14,125 (6,407) | 3,890 (1,765) | 10,635 (448) | 10.00 (254) | 18.9 (480) |
| 460 | 5,615,000 | 634,500 | 4,211,000 | 475,800 | - | - | - | - | - | - | - | - | 570 | 16,736 (7,591) | 5,540 (2,513) | 14,650 (617) | 10.00 (254) | 18.9 (480) |

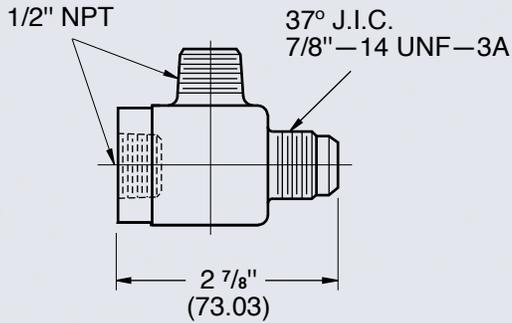
- (1) Rapid Cycling Duty
- (2) Cycling Duty
- (3) Emergency, Holding, and Service Duty

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

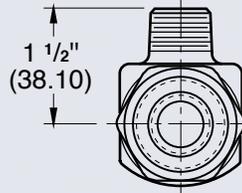
ACCESSORIES

Air Accessories For Low Inertia Clutches And Brakes

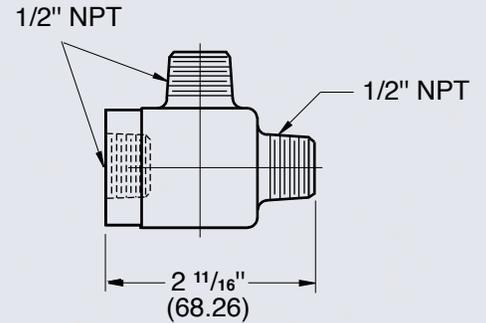
Quick Release Valves (Springless)



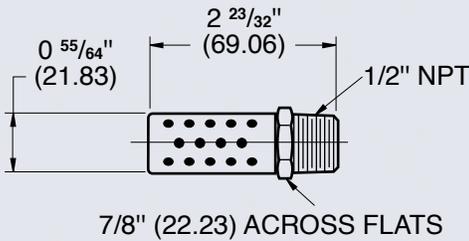
**W00-10-900
QRV**



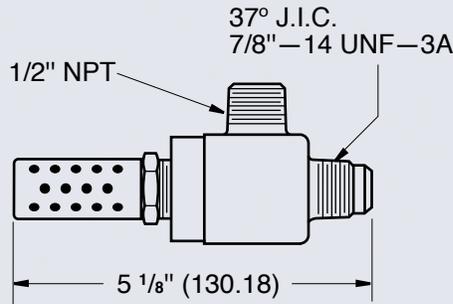
END VIEW



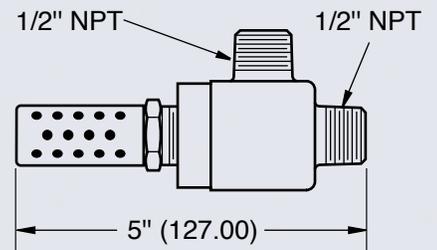
**W00-10-901
QRV**



**W00-10-906
MUFFLER**



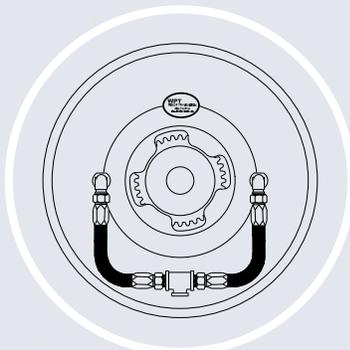
**W00-10-917
QRV w/MUFFLER**



**W00-10-918
QRV w/MUFFLER**

Quick Release Valves are not available for 4" and 6" units.
Elbows can be used in place of QRV's in applications where fast response is not critical.

Typical Hose Arrangements for Low Inertia Brakes



8" - 16"

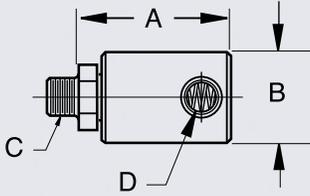


18" - 27"

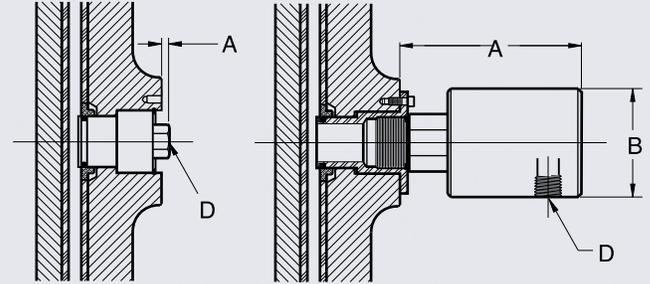
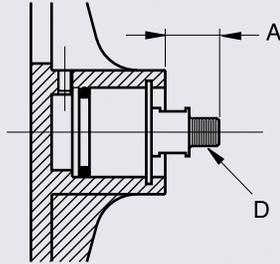


30" - 48"

Air Rotating Unions (Roto-Couplings)



Low Inertia Clutches



High Torque Clutches

Rotating Air Union Dimensions for Low Inertia Clutches

| CLUTCH SIZE | AIR UNION PART NUMBER | A INCHES (mm) | B INCHES (mm) | C ROTOR THREAD | D INLET THREAD |
|-------------|-----------------------|-----------------|----------------|----------------|----------------|
| 104-206 | W00-21-006 | 2 5/8 (66.68) | 1 5/8 (41.28) | 5/8"-18 UNF | 1/4" NPT |
| 108-321 | W00-21-002 | 3 23/32 (94.36) | 2 1/4 (57.15) | 1"-14 UNS | 1/2" NPT/BSPT |
| 124-327 | W00-21-008 | 4 5/16 (109.54) | 2 7/8 (73.03) | 1"-14 UNS | 3/4" NPT |
| 230-348 | W00-21-010 | 1 15/32 (37.31) | NA | NA | 1" NPT |
| 124-348* | W00-21-011 | 5 1/8 (130.18) | 3 1/4 (82.55) | 1 1/2"-12 UNF | 1" NPT |
| 230-348** | W00-21-033 | 7 (177.80) | 4 1/4 (107.95) | 2"-12 UN | 1 1/2" NPT |
| 260-460 | W00-21-020 | 12 5/8 (320.68) | 7 (177.80) | 2 1/2" NPT | 2 1/2" NPT |

*Optional external rotating air union

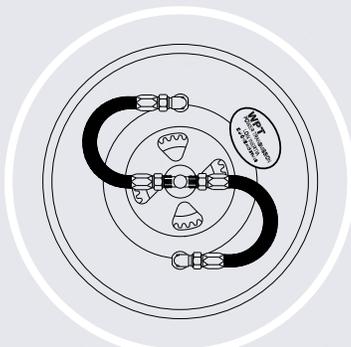
**Large capacity external rotating air union for faster response time

Rotating Air Union Dimensions for High Torque Clutches

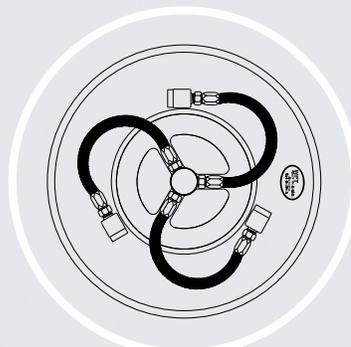
| CLUTCH SIZE | AIR UNION PART NUMBER | ADAPTER PART NUMBER | A INCHES (mm) | B INCHES (mm) | C ROTOR THREAD | D INLET THREAD |
|-------------|-----------------------|---------------------|-----------------|----------------|----------------|----------------|
| 111-336 | W00-21-000 | NA | 19/64 (7.54) | NA | NA | 1/2" NPT/BSPT |
| 116-330* | W00-21-011 | W00-21-018 | 5 7/16 (138.11) | 3 1/4 (82.55) | 1 1/2"-12 UNF | 1" NPT |
| 236-336* | W00-21-049 | W00-21-058 | 8 (203.20) | 4 1/4 (107.95) | 1 3/4"-12 UN | 1 1/2" NPT |

*Large capacity external rotating air union for faster response time

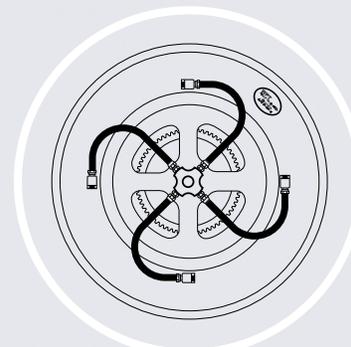
Typical Hose Arrangements for Low Inertia Clutches



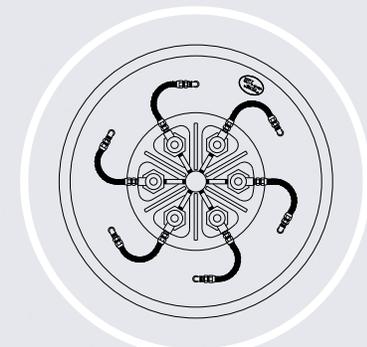
8"–16"



18"–27"



30"–48"



60"



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1600 Fisher Road

P.O. Box 8148, Wichita Falls, TX 76307

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email: info@WPTpower.com

