

Chain Couplings

Chain Coupling Data

| Coupling Size | Chain Size | Bore | | Casing O.D A | Casing Width B | Assembled Width C | Hub Length D | Hub Diameter E | Bolt Centres F | Torque Ratings Nm | Complete Weight kg |
|---------------|------------|------|-----|-----------------|-------------------|----------------------|-----------------|-------------------|-------------------|----------------------|-----------------------|
| | | Min | Max | | | | | | | | |
| 3012 | 35-2 | 12 | 15 | 70 | 62 | 65 | 28 | 25 | 57 | 150 | 0.5 |
| 4012 | 40-2 | 12 | 20 | 78 | 72 | 78 | 36 | 31 | 61 | 210 | 1.0 |
| 4014 | 40-2 | 12 | 25 | 85 | 75 | 80 | 36 | 43 | 72 | 300 | 1.4 |
| 4016 | 40-2 | 14 | 30 | 92 | 75 | 80 | 36 | 50 | 77 | 380 | 1.8 |
| 5014 | 50-2 | 14 | 35 | 101 | 84 | 100 | 45 | 53 | 82 | 550 | 2.5 |
| 5016 | 50-2 | 16 | 40 | 111 | 85 | 100 | 45 | 60 | 92 | 725 | 3.2 |
| 5018 | 50-2 | 16 | 45 | 123 | 85 | 100 | 45 | 70 | 106 | 925 | 4.0 |
| 6018 | 60-2 | 20 | 55 | 144 | 106 | 122 | 54 | 85 | 122 | 1750 | 7.2 |
| 6020 | 60-2 | 20 | 70 | 160 | 108 | 123 | 54 | 98 | 132 | 2050 | 9.5 |
| 6022 | 60-2 | 25 | 75 | 168 | 116 | 123 | 54 | 110 | 145 | 2400 | 11.3 |
| 8018 | 80-2 | 30 | 75 | 190 | 128 | 140 | 67 | 110 | 160 | 3800 | 14.7 |
| 8020 | 80-2 | 30 | 85 | 211 | 138 | 144 | 67 | 120 | 184 | 4700 | 18.2 |
| 8022 | 80-2 | 35 | 95 | 226 | 138 | 155 | 67 | 140 | 196 | 5500 | 23.3 |
| 10020 | 100-2 | 40 | 110 | 280 | 152 | 176 | 91 | 160 | 250 | 8700 | 36.0 |
| 12018 | 120-2 | 40 | 120 | 305 | 180 | 196 | 119 | 170 | 280 | 13250 | 49.0 |
| 12022 | 120-2 | 40 | 150 | 355 | 180 | 220 | 119 | 210 | 335 | 17800 | 77.0 |

Chain Coupling Selection

In general, the torque capacity of the coupling exceeds the normal torque transmitted by the largest shaft size that the coupling can accommodate.

Therefore, select the smallest coupling which accommodates both shaft diameters.

Where there is reverse operation, shock loads, or any other severe operating condition, it is recommended that the next coupling size up is selected.

Operation

In order to ensure that the maximum service life of the coupling is achieved, the cover together with the supplied 'O' rings should always be used. This is even more important when the drive is operating at high speeds or in a moist environment. The space between the cover and chain, should be filled with a soft to medium consistency grease.

