



TRANSMISSIONS



Mechanical Power Transmission



Agriculture



Automotive



Construction



Industrial



Motor Sport

WE LOVE OUR PRODUCTS.

“We are proud to be a European manufacturer; it is a privilege to supply our products to some of the world’s most prestigious original equipment manufacturers in the Agricultural, Automotive, Construction, Industrial and Motor Sport sectors”.

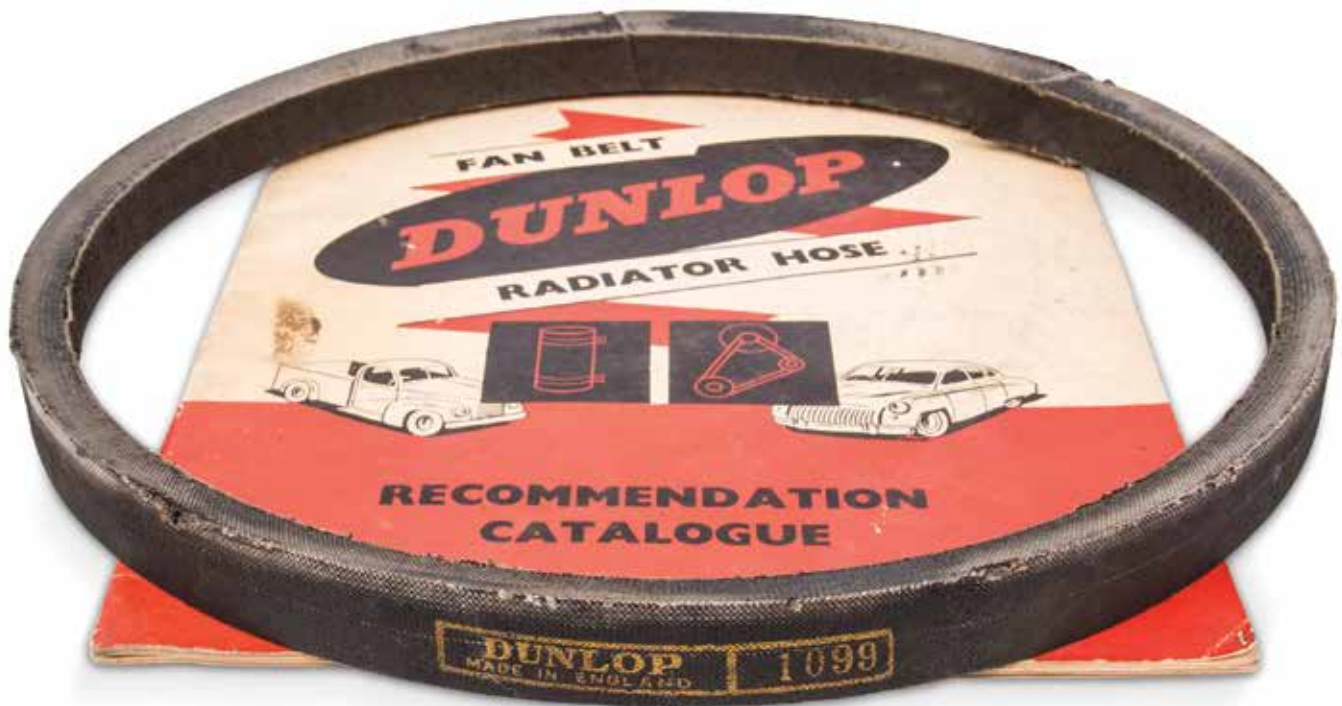
“Our distributor network is vital to the continued global growth of the DUNLOP brand and our valued distributor partners form the perfect link between manufacturer and end user”.

“Our commitment to our staff, our customers and the environment is of paramount importance to our company, we will continue to develop our organisational skills to further enhance our company’s potential, to engage in sustainable practices and anticipate the needs and expectations of our customers”.

“We love our products”.

Ray Mifsud, Managing Director.

A handwritten signature in black ink, appearing to read 'R. Mifsud'.



About us

From UK origins, more than 100 years ago, the **DUNLOP** brand name has established itself with an enviable reputation for high quality products.

This catalogue illustrates our standard range of products manufactured for commercial applications, 25% of our total production is for specialist items to suit individual customer requirements, so please do not hesitate to contact us to discuss your own application.

Dunlop products are now at the forefront of a highly competitive and specialist industry, covering a vast spectrum of applications such as Automotive, Agricultural, Construction, Industrial, Medical and Recreational.

Quality

The reputable standard of our products is the result of a consistently pursued quality policy influencing every area of our company. Not only from the arrival of raw materials through to the delivery of the finished products, but also from the receipt of your enquiry through to invoicing. Our staff are experts in their field and will assist in every way possible to meet your full requirements, deadlines and expectations.

Dunlop products are manufactured to internationally recognised standards and tolerances using top quality materials and workmanship.

UKAS approved manufacturer to ISO 9001:2008 and ISO 14001:2004.

Facility

Our European Distribution Centre is based in Ashford, Kent, UK, extends to over 66,000 square feet (6,131 square meters), comprising of Administration, Warehousing and Production facilities. Our stock range of products is now one of the largest found anywhere in Europe and covers more than 100 product lines and over 50,000 individual components.

Dunlop products are manufactured in the UK, throughout Europe and Asia.

Environment

As a leading manufacturer, Dunlop takes its environmental responsibility very seriously. Being a socially responsible manufacturer, promoting waste recycling, energy efficiency and supporting local businesses wherever possible to help reduce our impact on the environment.

Our factories aim to eliminate pollution releases and promote high standards of energy and waste management. Standard product ranges are designed for maximum energy efficiency. Our level of environmental commitment remains ahead of the industry trend. UKAS approved to ISO 14001:2004.

Customer Commitment

The entire Dunlop product range is backed with a comprehensive line of support services, including on-going product application research and development, full technical and customer service support, the latest in lean manufacturing techniques and scheduling, state of the art production machinery and quality control procedures, with an intense focus on the requirements and expectation of our customers.



“ We are proud to be a European manufacturer, it is a privilege to supply our products to many of the World’s most prestigious original equipment manufacturers as well as Europe’s leading after market distributors. ”

Ray Mifsud, Managing Director

“ Our commitment to our staff, our customers and the environment is of paramount importance to our company, we will continue to develop our organisational skills to further enhance our companies potential, to engage in sustainable practices and anticipate the needs and expectations of our customers. ”

Ray Mifsud, Managing Director



Manufacturing Facilities, Consett, Co. Durham UK

Unit 46, Werdolh Way,
No 1 Industrial Estate,
Consett, County Durham
DH8 6SZ , United Kingdom

European Distribution Centre, Ashford, Kent UK

MPT House, Brunswick Road
Cobbs Wood Industrial Estate
Ashford, Kent
TN23 1EL , United Kingdom







“We are proud to be a European manufacturer; it is a privilege to supply our products to some of the world’s most prestigious original equipment manufacturers in the Agricultural, Automotive, Construction, Industrial and Motor Sport sectors”.

“Our distributor network is vital to the continued global growth of the DUNLOP brand and our valued distributor partners form the perfect link between manufacturer and end user”.

“Our commitment to our staff, our customers and the environment is of paramount importance to our company, we will continue to develop our organisational skills to further enhance our company’s potential, to engage in sustainable practices and anticipate the needs and expectations of our customers”.

“At Dunlop BTL we love our products”.

Ray Mifsud, *Managing Director*.

| | |
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DUNFLEX COUPLING ENGINEERING DATA

| Coupling Size | Flange Face Spacing (mm) | Gap Between Tyre Ends (mm) | Nominal Torque (Nm) | Max Speed (rev/min) | Max Par Mis (mm) | Max End Float (mm) | Size | Torque (Nm) |
|---------------|--------------------------|----------------------------|---------------------|---------------------|------------------|--------------------|------|-------------|
| F40 | 22 | 2 | 24 | 4500 | 1.1 | 1.3 | M6 | 15 |
| F50 | 25 | 2 | 66 | 4500 | 1.3 | 1.7 | M6 | 15 |
| F60 | 33 | 2 | 127 | 4000 | 1.6 | 2.0 | M6 | 15 |
| F70 | 23 | 3 | 250 | 3600 | 1.9 | 2.3 | M8 | 24 |
| F80 | 25 | 3 | 375 | 3100 | 2.1 | 2.6 | M8 | 24 |
| F90 | 27 | 3 | 500 | 3000 | 2.4 | 3.0 | M10 | 40 |
| F100 | 27 | 3 | 675 | 2600 | 2.6 | 3.3 | M10 | 40 |
| F110 | 25 | 3 | 875 | 2300 | 2.9 | 3.7 | M10 | 40 |
| F120 | 29 | 3 | 1330 | 2050 | 3.2 | 4.0 | M12 | 50 |
| F140 | 32 | 5 | 2325 | 1800 | 3.7 | 4.6 | M12 | 55 |
| F160 | 30 | 5 | 3770 | 1600 | 4.2 | 5.3 | M16 | 80 |
| F180 | 46 | 6 | 6270 | 1500 | 4.8 | 6.0 | M16 | 105 |
| F200 | 48 | 6 | 9325 | 1300 | 5.3 | 6.6 | M16 | 120 |
| F220 | 55 | 6 | 11600 | 1100 | 5.8 | 7.3 | M20 | 165 |
| F250 | 59 | 6 | 14675 | 1000 | 6.6 | 8.2 | M20 | 165 |

NB. All flexible inserts have an angular misalignment capacity up to 4 deg.

DUNFLEX couplings can accommodate simultaneous maximum misalignment in all planes without imposing undue loads on adjacent bearings and the excellent shock absorbing properties of the flexible insert reduce vibration and torsional oscillations. Inserts are available in natural rubber compounds for use in ambient temperatures of -15°C to +70°C and chlorophene compound should be used when fire resistance and anti-static (F.R.A.S) properties are required.

POWER RATINGS

| SPEED RPM | COUPLING SIZE | | | | | | | | | | | | | | |
|--------------|---------------|------|------|------|------|-------|------|------|------|--|------|------|------|------|------|
| | F40 | F50 | F60 | F70 | F80 | F90 | F100 | F110 | F120 | F140 | F160 | F180 | F200 | F220 | F250 |
| 100 | 0.25 | 0.69 | 1.33 | 2.62 | 3.93 | 5.24 | 7.07 | 9.16 | 13.9 | 24.3 | 39.5 | 65.7 | 97.6 | 121 | 154 |
| 200 | 0.50 | 1.38 | 2.66 | 5.24 | 7.85 | 10.5 | 14.1 | 18.3 | 27.9 | 48.7 | 79.0 | 131 | 195 | 243 | 307 |
| 300 | 0.75 | 2.07 | 3.99 | 7.85 | 11.8 | 15.7 | 21.2 | 27.5 | 41.8 | 73.0 | 118 | 197 | 293 | 364 | 461 |
| 400 | 1.01 | 2.76 | 5.32 | 10.5 | 15.7 | 20.9 | 28.3 | 36.6 | 55.7 | 97.4 | 158 | 263 | 391 | 486 | 615 |
| 500 | 1.26 | 3.46 | 6.65 | 13.1 | 19.6 | 26.2 | 35.3 | 45.8 | 69.6 | 122 | 197 | 328 | 488 | 607 | 768 |
| 600 | 1.51 | 4.15 | 7.98 | 15.7 | 23.6 | 31.4 | 42.4 | 55.0 | 93.6 | 146 | 237 | 394 | 586 | 729 | 922 |
| 700 | 1.76 | 4.84 | 9.31 | 18.3 | 27.5 | 36.6 | 49.5 | 64.1 | 97.5 | 170 | 276 | 460 | 684 | 850 | 1076 |
| 720 | 1.81 | 4.98 | 9.57 | 18.8 | 28.3 | 37.7 | 50.9 | 66.0 | 100 | 175 | 284 | 473 | 703 | 875 | 1106 |
| 800 | 2.01 | 5.53 | 10.6 | 20.9 | 31.4 | 41.9 | 56.5 | 73.3 | 111 | 195 | 316 | 525 | 781 | 972 | 1229 |
| 900 | 2.26 | 6.22 | 12.0 | 23.6 | 35.3 | 47.1 | 63.6 | 82.5 | 125 | 219 | 355 | 591 | 879 | 1093 | 1383 |
| 960 | 2.41 | 6.63 | 12.8 | 25.1 | 37.7 | 50.3 | 67.9 | 88.0 | 134 | 234 | 379 | 630 | 937 | 1166 | 1475 |
| 1000 | 2.51 | 6.91 | 13.3 | 26.2 | 39.3 | 52.4 | 70.7 | 91.6 | 139 | 243 | 395 | 657 | 976 | 1215 | 1537 |
| 1200 | 3.02 | 8.29 | 16.0 | 31.4 | 47.1 | 62.8 | 84.8 | 110 | 167 | 292 | 474 | 788 | 1172 | - | - |
| 1400 | 3.52 | 9.68 | 18.6 | 36.6 | 55.0 | 73.3 | 99.0 | 128 | 195 | 341 | 553 | 919 | - | - | - |
| 1440 | 3.62 | 9.95 | 19.1 | 37.7 | 56.5 | 75.4 | 102 | 132 | 201 | 351 | 568 | 945 | - | - | - |
| 1600 | 4.02 | 11.1 | 21.3 | 41.9 | 62.8 | 83.8 | 113 | 147 | 223 | 390 | 632 | - | - | - | - |
| 1800 | 4.52 | 12.4 | 23.9 | 47.1 | 70.5 | 94.2 | 127 | 165 | 251 | 438 | - | - | - | - | - |
| 2000 | 5.03 | 13.8 | 26.6 | 52.4 | 78.5 | 105.5 | 141 | 183 | 279 | The figures in heavier type are for standard motor speeds. All these power ratings are calculated at constant torque. For speeds below 100 rev/min and intermediate speeds use nominal torque ratings. | | | | | |
| 2200 | 5.53 | 15.2 | 29.3 | 57.6 | 86.4 | 115 | 155 | 202 | - | | | | | | |
| 2400 | 6.03 | 16.6 | 31.9 | 62.8 | 94.2 | 126 | 170 | - | - | | | | | | |
| 2600 | 6.53 | 18.0 | 34.6 | 68.1 | 102 | 136 | 184 | - | - | | | | | | |

PHYSICAL CHARACTERISTICS

| CHARACTERISTICS | COUPLING SIZE | | | | | | | | | | | | | | |
|---|---------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|
| | F40 | F50 | F60 | F70 | F80 | F90 | F100 | F110 | F120 | F140 | F160 | F180 | F200 | F220 | F250 |
| Maximum speed rev/min | 4500 | 4500 | 4000 | 3600 | 3100 | 3000 | 2600 | 2300 | 2050 | 1800 | 1600 | 1500 | 1300 | 1100 | 1000 |
| Nominal Torque Nm T_{KN} | 24 | 66 | 127 | 250 | 250 | 500 | 675 | 875 | 1330 | 2325 | 3770 | 6270 | 9325 | 11600 | 14675 |
| Maximum Torque Nm T_{KMAX} | 64 | 160 | 318 | 487 | 487 | 1096 | 1517 | 2137 | 3547 | 5642 | 9339 | 16455 | 23 | 33125 | 42740 |
| Torsional Stiffness Nm/° | 5 | 13 | 26 | 41 | 41 | 91 | 126 | 178 | 296 | 470 | 778 | 1371 | 1959 | 2760 | 3562 |
| Max. parallel misalignment (mm) | 1.1 | 1.3 | 1.6 | 1.9 | 1.9 | 2.4 | 2.6 | 2.9 | 3.2 | 3.7 | 4.2 | 4.8 | 5.3 | 5.8 | 6.6 |
| Maximum End Float mm \pm | 1.3 | 1.7 | 2.0 | 2.3 | 2.3 | 3.0 | 3.3 | 3.7 | 4.0 | 4.6 | 5.3 | 6.0 | 6.6 | 7.3 | 8.2 |
| Approximate mass, kg | 0.1 | 0.3 | 0.5 | 0.7 | 1.0 | 1.1 | 1.1 | 1.4 | 2.3 | 2.6 | 3.4 | 7.7 | 8.0 | 10 | 15 |
| Alternating Torque \pm Nm @ 10Hz T_{KW} | 11 | 26 | 53 | 81 | 127 | 183 | 252 | 356 | 591 | 940 | 1556 | 2742 | 3918 | 5521 | 7124 |
| Resonance Factor V_B | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Damping Coefficient Ψ | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |

Maximum torque figures should be regarded as short duration overload ratings for use in such circumstances as direct-on-line starting.

HRC COUPLING ENGINEERING DATA

HRC Couplings - These semi elastic couplings designed for general use purpose use, permit quick and easy assembly by means of Taper Lock bush fixing. Fully machined outside diameters allow alignment by simple straight edge methods. Shaft connection is 'fail safe' due to interacting dog design.

| SPEED RPM | POWER RATINGS (kW) - COUPLING SIZE | | | | | | | |
|---------------------|------------------------------------|-------------|-------------|-------------|-------------|-------------|------------|------------|
| | 70 | 90 | 110 | 130 | 150 | 180 | 230 | 280 |
| 100 | 0.33 | 0.84 | 1.68 | 3.30 | 6.28 | 9.95 | 20.9 | 33.0 |
| 200 | 0.66 | 1.68 | 3.35 | 6.60 | 12.6 | 19.9 | 41.9 | 65.0 |
| 400 | 1.32 | 3.35 | 6.70 | 13.2 | 25.1 | 39.8 | 83.8 | 132 |
| 600 | 1.98 | 5.03 | 10.1 | 19.8 | 37.7 | 59.7 | 126 | 198 |
| 720 | 2.37 | 6.03 | 12.1 | 23.8 | 45.2 | 71.6 | 151 | 238 |
| 800 | 2.64 | 6.70 | 13.4 | 26.4 | 50.3 | 79.6 | 168 | 264 |
| 960 | 3.17 | 8.04 | 16.1 | 31.7 | 60.3 | 95.5 | 201 | 317 |
| 1200 | 3.96 | 10.1 | 20.1 | 39.6 | 75.4 | 119 | 251 | 396 |
| 1440 | 4.75 | 12.1 | 24.1 | 47.5 | 90.5 | 143 | 302 | 475 |
| 1600 | 5.28 | 13.4 | 26.8 | 52.8 | 101 | 159 | 335 | 528 |
| 1800 | 5.94 | 15.1 | 30.2 | 59.4 | 113 | 179 | 377 | 594 |
| 2000 | 6.60 | 16.8 | 33.5 | 66.0 | 126 | 199 | 419 | 660 |
| 2200 | 7.26 | 18.4 | 36.9 | 72.6 | 138 | 219 | 461 | 726 |
| 2400 | 7.92 | 20.1 | 40.2 | 79.2 | 151 | 239 | 503 | - |
| 2600 | 8.58 | 21.8 | 43.6 | 85.8 | 163 | 259 | 545 | - |
| 2880 | 9.50 | 24.1 | 48.3 | 95 | 181 | 286 | - | - |
| 3000 | 9.90 | 25.1 | 50.3 | 99 | 188 | 298 | - | - |
| 3600 | 11.9 | 30.1 | 60.3 | 118 | 226 | - | - | - |
| Nominal Torque (Nm) | 31.5 | 80 | 160 | 315 | 600 | 950 | 2000 | 3150 |
| Max Torque (Nm) | 72 | 180 | 360 | 720 | 1500 | 2350 | 5000 | 7200 |

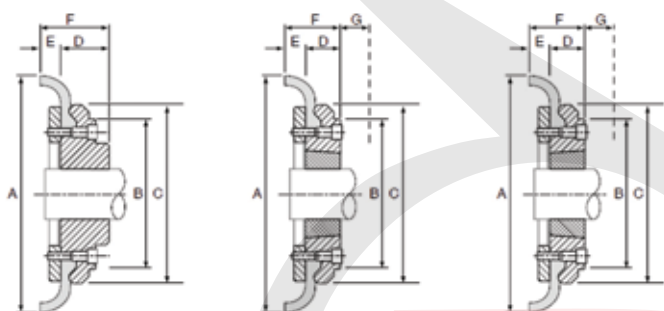


DUNFLEX COUPLINGS

Description

DUNFLEX coupling flanges are available in either F (Taper Bush fits inside) or H (Taper Bush fits outside) or pilot bored (PB) which can be bored in house to the required size. They can accommodate simultaneous misalignment without imposing undue loads on adjacent bearings, they have excellent shock absorbing properties that reduces vibration and torsional oscillation. Inserts are available in either natural rubber for use in ambient temperatures between -50°C & +50°C or chloroprene rubber for use in temperatures between -15°C and +70°C fire resistance and anti-static properties (F.R.A.S).

Sizes 040 to 060

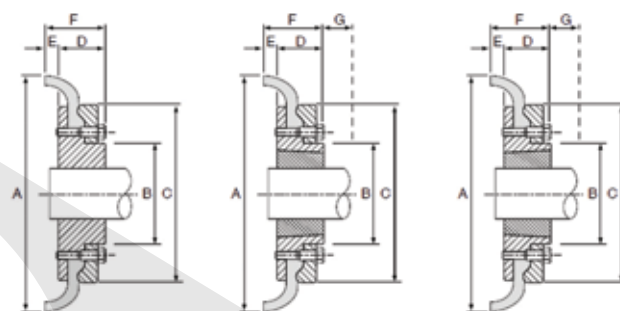


Pilot Bore (B)

Taper Flange (F)

Taper Flange (H)

Sizes 070 to 250



Pilot Bore (B)

Taper Flange (F)

Taper Flange (H)

DUNFLEX COUPLINGS

| Coupling Size | Bush Size | Max Bore | | A | B | C | E | G | Types F & H | | Types B | | Clamping Screw | Weight (kg) | Inertia (kgm ²) |
|---------------|-----------|----------|--------|-----|-----|-----|------|----|-------------|----|---------|----|----------------|-------------|-----------------------------|
| | | Metric | Inch | | | | | | F | D | F | D | | | |
| F040B | - | 32 | - | 104 | - | 82 | 11.0 | 29 | - | - | 33.0 | 22 | M5 | 0.8 | 0.00074 |
| F040F | 1008 | 25 | 1" | 104 | - | 82 | 11.0 | 29 | 33.0 | 22 | - | - | - | 0.8 | 0.00074 |
| F040H | 1008 | 25 | 1" | 104 | - | 82 | 11.0 | 29 | 33.0 | 22 | - | - | - | 0.80 | 0.00074 |
| F050B | - | 38 | - | 133 | 79 | 100 | 12.5 | 38 | - | - | - | - | - | - | 0.00115 |
| F050F | 1210 | 32 | 1.1/4" | 133 | 79 | 100 | 12.5 | 38 | 38.0 | 25 | - | - | - | 1.2 | 0.00115 |
| F050H | 1210 | 32 | 1.1/4" | 133 | 79 | 100 | 12.5 | 38 | 39.0 | 25 | - | - | - | 1.2 | 0.00115 |
| F060B | - | 45 | - | 165 | 70 | 125 | 16.5 | 38 | - | - | 55.0 | 38 | M6 | 2.0 | 0.0052 |
| F060F | 1610 | 42 | 1.5/8" | 165 | 103 | 125 | 16.5 | 38 | 42.0 | 25 | - | - | - | 2.0 | 0.0052 |
| F060H | 1610 | 42 | 1.5/8" | 165 | 103 | 125 | 16.5 | 38 | 42.0 | 25 | - | - | - | 2.0 | 0.0052 |
| F070B | - | 50 | - | 187 | 80 | 144 | 11.5 | - | - | - | 47.0 | 35 | M10 | 3.1 | 0.009 |
| F070F | 2012 | 50 | 2" | 187 | 80 | 144 | 11.5 | 42 | 44.0 | 32 | - | - | - | 3.1 | 0.009 |
| F070H | 1610 | 42 | 1.5/8" | 187 | 80 | 144 | 11.5 | 38 | 42.0 | 25 | - | - | - | 3.0 | 0.009 |
| F080B | - | 60 | - | 211 | 98 | 167 | 12.5 | - | - | - | 55.0 | 42 | M10 | 4.9 | 0.018 |
| F080F | 2517 | 60 | 2.1/2" | 211 | 97 | 167 | 12.5 | 48 | 58.0 | 45 | - | - | - | 4.9 | 0.018 |
| F080H | 2012 | 50 | 2" | 211 | 98 | 167 | 12.5 | 42 | 45.0 | 32 | - | - | - | 4.6 | 0.017 |
| F090B | - | 70 | - | 235 | 112 | 188 | 13.5 | - | - | - | 63.5 | 49 | M12 | 7.1 | 0.032 |
| F090F | 2517 | 60 | 2.1/2" | 235 | 108 | 188 | 13.5 | 48 | 59.5 | 45 | - | - | - | 7.0 | 0.031 |
| F090H | 2517 | 60 | 2.1/2" | 235 | 108 | 188 | 13.5 | 48 | 59.5 | 45 | - | - | - | 7.0 | 0.031 |
| F100B | - | 80 | - | 254 | 125 | 216 | 13.5 | - | - | - | 70.5 | 56 | M12 | 9.9 | 0.055 |

DUNFLEX COUPLING continued

| Coupling Size | Bush Size | Max Bore | | | | | | | Types F & H | | Types B | | Clamping Screw | Weight (kg) | Inertia (kgm ²) |
|---------------|-----------|----------|--------|-----|-----|-----|---------------|----|-------------|-----|---------|-----|----------------|-------------|-----------------------------|
| | | Metric | Inch | A | B | C | E \parallel | G | F | D | F | D | | | |
| F100F | 3020 | 75 | 3" | 254 | 120 | 216 | 13.5 | 55 | 65.5 | 51 | - | - | - | 9.9 | 0.055 |
| F100H | 2517 | 60 | 2.1/2" | 254 | 113 | 216 | 13.5 | 48 | 59.5 | 45 | - | - | - | 9.4 | 0.054 |
| F110B | - | 90 | - | 279 | 128 | 233 | 12.5 | - | - | - | 75.5 | 63 | M12 | 12.5 | 0.081 |
| F110F | 3020 | 75 | 3" | 279 | 134 | 233 | 12.5 | 55 | 63.5 | 51 | - | - | - | 11.7 | 0.078 |
| F110H | 3020 | 75 | 3" | 279 | 134 | 233 | 12.5 | 55 | 63.5 | 51 | - | - | - | 11.7 | 0.078 |
| F120B | - | 100 | - | 314 | 143 | 264 | 14.5 | - | - | - | 94.5 | 70 | M16 | 16.9 | 0.137 |
| F120F | 3525 | 100 | 4" | 314 | 140 | 264 | 14.5 | 67 | 79.5 | 65 | - | - | - | 16.5 | 0.137 |
| F120H | 3020 | 75 | 3" | 314 | 140 | 264 | 14.5 | 55 | 65.5 | 51 | - | - | - | 15.9 | 0.13 |
| F140B | - | 130 | - | 359 | 178 | 311 | 16.0 | - | - | - | 110.5 | 94 | M20 | 22.2 | 0.254 |
| F140F | 3525 | 100 | 4" | 359 | 178 | 311 | 16.0 | 67 | 81.5 | 65 | - | - | - | 22.3 | 0.255 |
| F140H | 3525 | 100 | 4" | 359 | 178 | 311 | 16.0 | 67 | 81.5 | 65 | - | - | - | 22.3 | 0.255 |
| F160B | - | 140 | - | 402 | 187 | 345 | 15.0 | - | - | - | 117.0 | 102 | M20 | 35.8 | 0.469 |
| F160F | 4030 | 115 | 4.1/2" | 402 | 197 | 345 | 15.0 | 80 | 92.0 | 77 | - | - | - | 32.5 | 0.38 |
| F160H | 4030 | 115 | 4.1/2" | 402 | 197 | 345 | 15.0 | 80 | 92.0 | 77 | - | - | - | 32.5 | 0.38 |
| F180B | - | 150 | - | 470 | 200 | 398 | 23.0 | - | - | - | 137.0 | 114 | M20 | 49.1 | 0.871 |
| F180F | 4535 | 125 | 5" | 470 | 205 | 398 | 23.0 | 89 | 112.0 | 89 | - | - | - | 42.2 | 0.847 |
| F180H | 4535 | 125 | 5" | 470 | 205 | 398 | 23.0 | 89 | 112.0 | 89 | - | - | - | 42.2 | 0.847 |
| F200B | - | 150 | - | 508 | 200 | 429 | 24.0 | - | - | - | 138.0 | 114 | M20 | 58.2 | 1.301 |
| F200F | 4535 | 125 | 5" | 508 | 205 | 429 | 24.0 | 89 | 113.0 | 89 | - | - | - | 53.6 | 1.281 |
| F200H | 4535 | 125 | 5" | 508 | 205 | 429 | 24.0 | 89 | 113.0 | 89 | - | - | - | 53.6 | 1.281 |
| F220B | - | 160 | - | 562 | 218 | 474 | 27.5 | - | - | - | 154.5 | 127 | M20 | 79.6 | 2.142 |
| F220F | 5040 | 125 | 5" | 562 | 223 | 474 | 27.5 | 92 | 129.5 | 102 | - | - | - | 72.0 | 2.104 |
| F220H | 5040 | 125 | 5" | 562 | 223 | 474 | 27.5 | 92 | 129.5 | 102 | - | - | - | 72.0 | 2.104 |
| F250B | - | 190 | - | 628 | 254 | 532 | 29.5 | - | - | - | 161.5 | 132 | M20 | 104.0 | 3.505 |

Notes.

- G** = Wrench clearance needed to allow for the tightening or loosening of the bush on the shaft as well as the flange clamping screws.
- E** = Half the distance required between flanges faces.
- #** = Weight and inertia figures are for a single flange including mid range bore, clamping ring, screws and half of an insert.



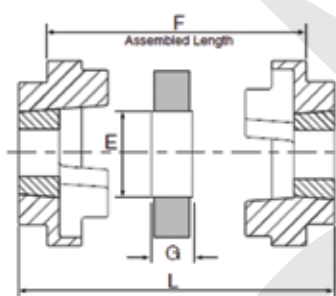


HRC COUPLINGS

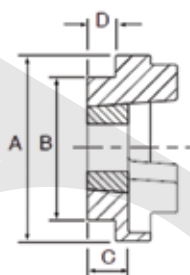
Description

HRC coupling flanges are available in either F (Taper Bush fits inside) or H (Taper Bush fits outside) or pilot bored (PB) which can be bored in house to the required size. These semi-elastic couplings are designed for general purpose use, they permit quick and easy assembly by means of taper bush fixing to the mating shaft.

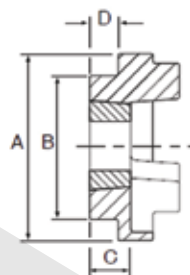
Inserts are available in either natural rubber for use in ambient temperatures between -50°C & +50°C or chloroprene rubber for use in temperatures between -15°C and +70°C fire resistance and anti-static properties (F.R.A.S).



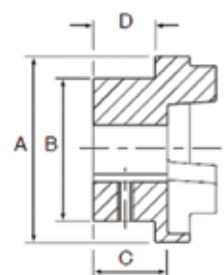
HRC Assembly



F Flange (Taper Bore)



H Flange (Taper Bore)



B Flange (Pilot Bore)

HRC COUPLINGS

| Coupling No. | Nominal torque Nm | Overall Diameter A | Hub Diameter B | Flange Length F | Insert Bore Dia E | Insert Width G | Parallel Misalignment (mm) | Weight (kg) | Assembled Length | | |
|--------------|-------------------|--------------------|----------------|-----------------|-------------------|----------------|----------------------------|-------------|------------------|----------|-------|
| | | | | | | | | | L FF, FH, HH | L FB, HB | L BB |
| HRC70 | 31 | 69 | 60 | 25.5 | 31 | 18.5 | 0.3 | 1.00 | 65.5 | 65.5 | 65.5 |
| HRC90 | 80 | 85 | 70 | 30.5 | 32 | 22.5 | 0.3 | 1.17 | 69.5 | 76.5 | 82.5 |
| HRC110 | 160 | 112 | 100 | 45.5 | 45 | 29.5 | 0.3 | 5.00 | 82.5 | 100.5 | 119.5 |
| HRC130 | 315 | 130 | 105 | 53.5 | 50 | 36.5 | 0.4 | 5.46 | 89.5 | 110.5 | 131.5 |
| HRC150 | 600 | 150 | 115 | 60.5 | 62 | 40.5 | 0.4 | 7.11 | 107.5 | 129.5 | 152.5 |
| HRC180 | 950 | 180 | 125 | 73.5 | 77 | 49.5 | 0.4 | 16.65 | 142.5 | 165.5 | 189.5 |
| HRC230 | 2000 | 225 | 155 | 85.5 | 99 | 59.5 | 0.5 | 26.05 | 164.5 | 202.5 | 239.5 |
| HRC280 | 3150 | 275 | 206 | 105.5 | 119 | 74.5 | 0.5 | 50.05 | 207.5 | 246.5 | 285.5 |

Angular misalignment capacity up to 1 deg. Mass is for an FF, FH or HH coupling with mid range Taper Bushes

F refers to combinations of flanges: FF, FH, HH, FB, HB, BB.

HRC TYPE F & H

| Coupling No. | Bush Size | (mm) | (ins) | Shoulder Width D | Hub Width C |
|--------------|-----------|------|-------|------------------|-------------|
| HRC70 | 1008 | 25 | 1 | 20.0 | 23.5 |
| HRC90 | 1108 | 28 | 1.1/8 | 19.5 | 23.5 |
| HRC110 | 1610 | 42 | 1.5/8 | 18.5 | 26.5 |
| HRC130 | 1610 | 42 | 1.5/8 | 18.0 | 26.5 |
| HRC150 | 2012 | 50 | 2 | 23.5 | 33.5 |
| HRC180 | 2517 | 60 | 2.1/2 | 34.5 | 46.5 |
| HRC230 | 3020 | 75 | 3 | 39.5 | 52.5 |
| HRC280 | 3525 | 100 | 4 | 51.0 | 66.5 |

HRC TYPE B

| Coupling No. | Max Bore (mm) | Pilot Bore (mm) | Keyway Screw Size | Shoulder Width D | Hub Width C |
|--------------|---------------|-----------------|-------------------|------------------|-------------|
| HRC70 | 32 | 8 | M6 | 20 | 23.5 |
| HRC90 | 42 | 10 | M6 | 26 | 30.5 |
| HRC110 | 55 | 10 | M10 | 37 | 45.5 |
| HRC130 | 60 | 15 | M10 | 39 | 47.5 |
| HRC150 | 70 | 20 | M10 | 46 | 56.5 |
| HRC180 | 80 | 25 | M10 | 58 | 70.5 |
| HRC230 | 100 | 25 | M12 | 77 | 90.5 |
| HRC280 | 115 | 30 | M16 | 90 | 105.5 |



COUPLINGS

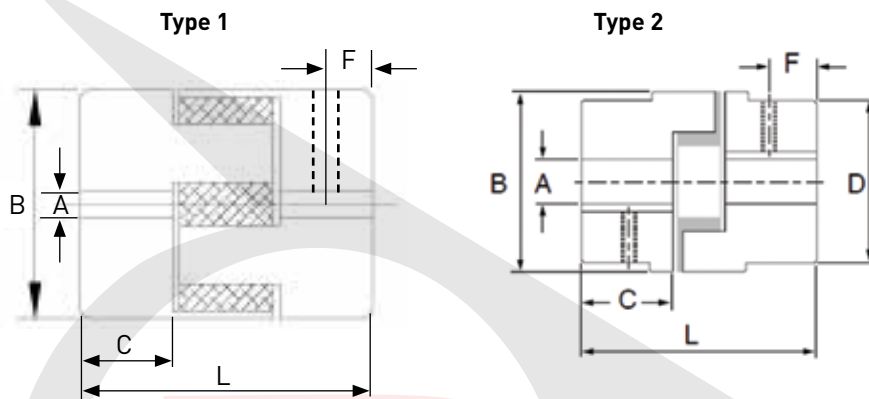


JAW COUPLING

Description

Jaw coupling flanges are available either pilot bored (PB) which can be bored in house to the required shaft size they are also conveniently held in stock in all popular metric and imperial bore sizes with corresponding key way and 2 grub screws at 90° to each other for securing to a shaft.

They suit general purpose applications that cater for misalignment, shock loads and damp out small amplitude vibrations.



JAW COUPLING SECTION

| Coupling No. | Type | Nominal torque (Nm) | Pilot Bore A (mm) | Max Bore A (mm) | Overall Diameter B | Assembled Length L | Hub Width C | Hub Diameter D | Position F | Size | Complete Weight (kg) |
|--------------|------|---------------------|-------------------|-----------------|--------------------|--------------------|-------------|----------------|------------|------|----------------------|
| L035 | 1 | - | 3 | 8 | 16.0 | 20 | 7 | 16.0 | 3.0 | M3 | 0.06 |
| L050 | 1 | 3.51 | 6 | 14 | 27.5 | 44 | 16 | 27.5 | 6.5 | M6 | 0.10 |
| L070 | 1 | 5.77 | 9 | 19 | 35.0 | 51 | 19 | 35.0 | 9.5 | M6 | 0.25 |
| L075 | 1 | 11.90 | 9 | 24 | 44.5 | 54 | 21 | 44.5 | 8.0 | M6 | 0.45 |
| L090 | 1 | 19.20 | 9 | 24 | 54.0 | 54 | 21 | 54.0 | 8.7 | M6 | 0.55 |
| L095 | 1 | 25.80 | 9 | 28 | 54.0 | 64 | 25 | 54.0 | 11 | M8 | 0.65 |
| L100 | 1 | 55.40 | 12 | 35 | 65.0 | 89 | 35 | 65.0 | 12 | M8 | 1.60 |
| L110 | 1 | 105.00 | 15 | 42 | 84.0 | 108 | 43 | 84.0 | 20 | M10 | 3.00 |
| L150 | 1 | 150.00 | 15 | 48 | 96.0 | 115 | 45 | 96.0 | 22 | M10 | 4.90 |
| L190 | 2 | 200.00 | 19 | 55 | 115.0 | 133 | 54 | 102.0 | 22 | M12 | 7.00 |
| L225 | 2 | 280.00 | 19 | 60 | 127.0 | 153 | 64 | 108.0 | 25 | M12 | 9.00 |

Angular misalignment capacity up to 1 deg.

Parallel misalignment capacity up to 0.38mm

Mass is for a complete coupling with a pilot bore

Nitrile insert temperature range -40°C to 100°C



COUPLINGS

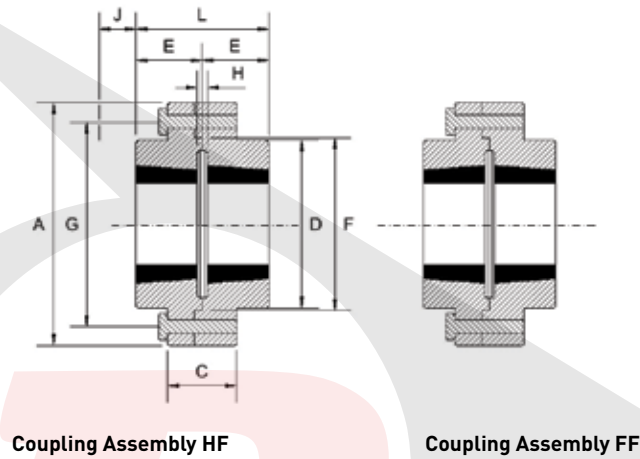


RIGID COUPLING DATA

Description

Taper Bore Rigid Couplings provide a convenient method of rigidly connecting ends of shafts. These couplings have a male and female flange fully machined. The male flange can have the taper bush fitted from the Hub side (H) or from the Flange side (F), the female flange always has the bush fitting (F).

This gives two possible coupling assemblies (HF) and (FF). When connecting horizontal shafts, the most convenient assembly should be chosen. When connecting vertical shafts use assembly (FF) only.



SELECTION

| Part No. | Bush No. | Metric | | A | C | D | E | F Nominal | G Nominal | H† | J* | L | Mass ‡ (kg) |
|----------|----------|--------|--------|-----|----|-----|-----|-----------|-----------|----|----|-----|-------------|
| | | Metric | Inch | | | | | | | | | | |
| RM12 FF | 1210 | 32 | 1 1/4" | 118 | 35 | 83 | 25 | 76 | 102 | 7 | 38 | 57 | 3.5 |
| RM12 HF | 1210 | 32 | 1 1/4" | 118 | 35 | 83 | 25 | 76 | 102 | 7 | 38 | 57 | 3.5 |
| RM16 FF | 1610 | 42 | 1 5/6" | 127 | 43 | 80 | 25 | 89 | 105 | 7 | 38 | 57 | 4.0 |
| RM16 HF | 1610 | 42 | 1 5/6" | 127 | 43 | 80 | 25 | 89 | 105 | 7 | 38 | 57 | 4.0 |
| RM25 FF | 2517 | 60 | 2 1/2" | 178 | 51 | 123 | 45 | 127 | 149 | 7 | 48 | 97 | 11 |
| RM25 HF | 2517 | 60 | 2 1/2" | 178 | 51 | 123 | 45 | 127 | 149 | 7 | 48 | 97 | 11 |
| RM30 FF | 3020 | 75 | 3" | 216 | 65 | 146 | 51 | 152 | 181 | 7 | 54 | 109 | 20 |
| RM30 HF | 3020 | 75 | 3" | 216 | 65 | 146 | 51 | 152 | 181 | 7 | 54 | 109 | 20 |
| RM35 FF | 3525 | 100 | 4" | 248 | 75 | 178 | 65 | 178 | 213 | 7 | 67 | 137 | 34 |
| RM35 HF | 3525 | 100 | 4" | 248 | 75 | 178 | 65 | 178 | 213 | 7 | 67 | 137 | 34 |
| RM40 FF | 4030 | 110 | 4 1/2" | 298 | 76 | 210 | 76 | 216 | 257 | 7 | 79 | 159 | 59 |
| RM40 HF | 4030 | 110 | 4 1/2" | 298 | 76 | 210 | 76 | 216 | 257 | 7 | 79 | 159 | 59 |
| RM45 FF | 4535 | 125 | 5" | 330 | 86 | 230 | 89 | 241 | 286 | 7 | 89 | 185 | 80 |
| RM45 HF | 4535 | 125 | 5" | 330 | 86 | 230 | 89 | 241 | 286 | 7 | 89 | 185 | 80 |
| RM50 FF | 5040 | 125 | 5" | 362 | 92 | 266 | 102 | 267 | 314 | 7 | 92 | 211 | 135 |
| RM50 HF | 5040 | 125 | 5" | 362 | 92 | 266 | 102 | 267 | 314 | 7 | 92 | 211 | 135 |

All dimensions in millimetres unless otherwise stated.

* J is the wrench clearance to allow for tightening and loosening the bushing on the shaft. The use of a shortened wrench will permit this dimension to be reduced.

† H is the distance between shaft ends.

‡ Masses given are for couplings with mid-range bore Taper Lock Bushes.

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Agriculture

“Our distributor network is vital to the continued global growth of the DUNLOP brand and our valued distributor partners form the perfect link between manufacturer and end user”.



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Construction

“We love our products”.

Ray Mifsud, Managing Director.

A handwritten signature in black ink, appearing to read 'R. Mifsud'.

Industrial

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