



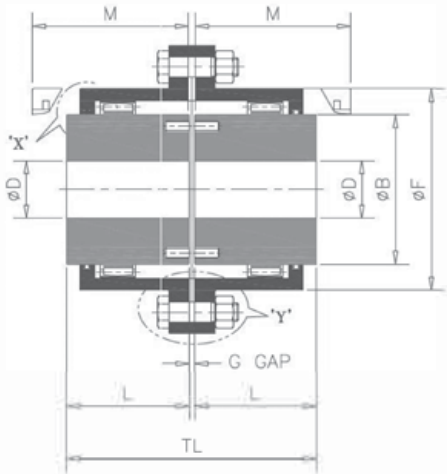
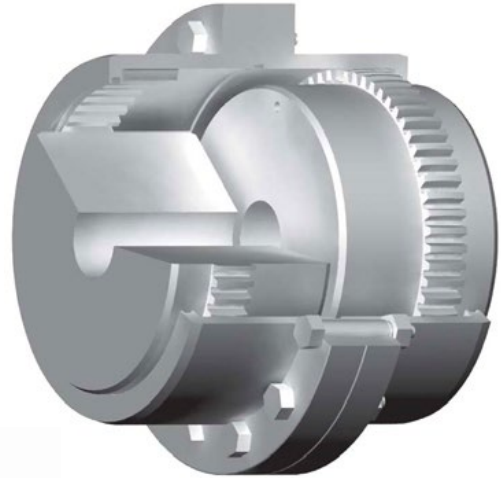
# Type RGD - Gear-Flex Couplings

## Double Engagement Couplings

Standard Double Engagement couplings accommodate both angular and parallel misalignment or combination of both, as well as end float without imposing appreciable axial loads on adjacent bearings.

The exposed bolt design allows use of either open end or socket wrenches, which makes it the preferred design for most industrial applications. Ideal for all standard applications including fans, overhead cranes, conveyors, steel and paper mill equipments.

Special requirements like limited end float, electrical insulation, Mill motor, Slide, Spacer, Brake drum, Shear pin, Shrouded bolt designs are supplied. Many designs can be created for "Unique" applications as well, please contact us.



DETAIL 'X'  
COVER PLATE CONSTRUCTION FOR SIZES RGD-80 ONWARDS.



DETAIL 'Y'  
INNER RING CONSTRUCTION FOR SIZE RGD-110 ONWARDS.

| Size    | Coupling Rating |                 | Maximum Speed rpm | Bore Dia ØD |           | Dimensions mm |     |     |    |     |     |     | Solid Hub |   |
|---------|-----------------|-----------------|-------------------|-------------|-----------|---------------|-----|-----|----|-----|-----|-----|-----------|---|
|         | kW at 100 rpm   | Rated Torque Nm |                   | Min. Bore   | Max. Bore | ØA            | ØB  | ØF  | G  | M   | L   | TL  | Mass kg   | M.I. (WR <sup>2</sup> ) kg-m <sup>2</sup> |
| RGD-10  | 14              | 1337            | 8000              | 14          | 52        | 116           | 69  | 84  | 3  | 51  | 43  | 89  | 4.4       | 0.0052                                    |
| RGD-15  | 30              | 2865            | 6500              | 22          | 65        | 152           | 86  | 107 | 3  | 61  | 50  | 103 | 9         | 0.0192                                    |
| RGD-20  | 53              | 5061            | 5600              | 27          | 80        | 178           | 105 | 127 | 3  | 76  | 62  | 127 | 15        | 0.041                                     |
| RGD-25  | 105             | 10027           | 5000              | 32          | 98        | 213           | 131 | 156 | 5  | 92  | 77  | 159 | 27        | 0.105                                     |
| RGD-30  | 168             | 16043           | 4400              | 42          | 115       | 240           | 152 | 182 | 5  | 106 | 91  | 187 | 40        | 0.195                                     |
| RGD-35  | 231             | 22059           | 3900              | 47          | 135       | 279           | 178 | 212 | 6  | 130 | 107 | 220 | 65        | 0.454                                     |
| RGD-40  | 336             | 32086           | 3600              | 47          | 160       | 318           | 210 | 250 | 6  | 145 | 121 | 248 | 96        | 0.86                                      |
| RGD-45  | 472             | 45073           | 3200              | 52          | 180       | 346           | 235 | 275 | 8  | 165 | 135 | 278 | 131       | 1.39                                      |
| RGD-50  | 650             | 62070           | 2900              | 72          | 195       | 389           | 254 | 309 | 8  | 183 | 153 | 314 | 186       | 2.53                                      |
| RGD-55  | 880             | 84034           | 2650              | 72          | 215       | 425           | 279 | 334 | 8  | 203 | 168 | 344 | 247       | 3.83                                      |
| RGD-60  | 1205            | 115069          | 2450              | 110         | 235       | 457           | 305 | 366 | 8  | 228 | 188 | 384 | 299       | 5.21                                      |
| RGD-70  | 1823            | 174084          | 2150              | 110         | 280       | 527           | 356 | 425 | 9  | 266 | 221 | 451 | 473       | 11  |
| RGD-80  | 2639            | 252006          | 1750              | 110         | 285       | 590           | 385 | 485 | 10 | 300 | 249 | 508 | 682       | 20.72                                     |
| RGD-90  | 3037            | 290012          | 1550              | 150         | 300       | 660           | 420 | 535 | 13 | 325 | 276 | 565 | 898       | 34.95                                     |
| RGD-100 | 4100            | 391521          | 1450              | 160         | 330       | 711           | 470 | 595 | 13 | 355 | 305 | 623 | 1242      | 55.95                                     |
| RGD-110 | 5300            | 506113          | 1395              | 200         | 381       | 775           | 533 | 648 | 13 | 387 | 334 | 681 | 1621      | 84.81                                     |
| RGD-120 | 7200            | 687549          | 1300              | 230         | 432       | 838           | 572 | 715 | 13 | 415 | 356 | 725 | 2014      | 124.2                                     |
| RGD-130 | 8100            | 773493          | 1075              | 260         | 482       | 911           | 630 | 812 | 19 | 463 | 410 | 839 | 2803      | 207.07                                    |
| RGD-140 | 10400           | 993127          | 940               | 260         | 515       | 980           | 670 | 860 | 19 | 486 | 430 | 879 | 3316      | 277.64                                    |
| RGD-150 | 12100           | 1155465         | 900               | 300         | 559       | 1029          | 725 | 908 | 19 | 518 | 450 | 919 | 3951      | 371.28                                    |

- Size 80 onwards sleeve are with bolted end cover.
- Max. bores specified above are for uniformly loaded drives only with single rectangular keyway.