



## GEAR COUPLING

### GDE (FLEX - FLEX)

Double engagement provides standard engagement for parallel misalignment, angular misalignment and end float with the ability to accommodate close coupled application requirements.

### GSE (FLEX - RIGID)

Single engagement accommodates angular misalignment only and does not allow for parallel misalignment. This design consists of a flexible and rigid half, most commonly used in floating shaft applications to solve remote drive and excessive misalignment problems.

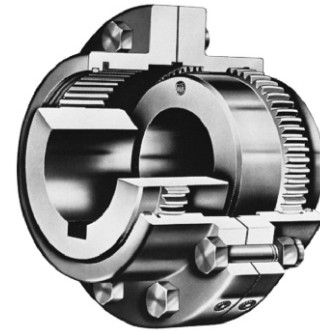
### GRC (RIGID COUPLING)

The GRC coupling consists of 2 rigid hubs and high tensile machine bolts. The simple construction means that the coupling is lubrication and maintenance free. Rigid couplings are ideal for applications where there is no misalignment.

### GSCD (SPACER COUPLING)

This Double Engagement Spacer Coupling with Drop-out Spacers is suitable to take misalignment over increased distances between shaft ends. It is also able to compensate for Parallel and Angular misalignment.

## PERFORMANCE DATA



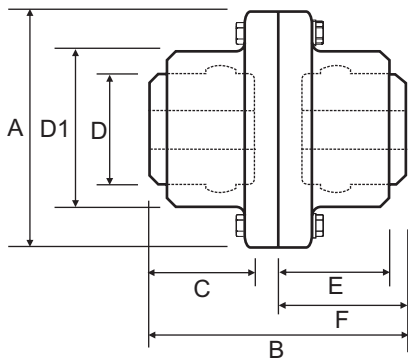
| Part No. | Max Bore |           | Power at 100 RPM<br>kW | Nominal Torque<br>(Nm) | Normal Maximum Speed<br>(RPM) | Normal Maximum Speed<br>GSCD<br>(RPM) |
|----------|----------|-----------|------------------------|------------------------|-------------------------------|---------------------------------------|
|          | Flex Hub | Rigid Hub |                        |                        |                               |                                       |
| 10       | 48.0     | 60.0      | 11.927                 | 1139                   | 8000                          | 7000                                  |
| 15       | 60.0     | 75.0      | 24.607                 | 2350                   | 6500                          | 5500                                  |
| 20       | 73.0     | 92.0      | 44.712                 | 4270                   | 5600                          | 4600                                  |
| 25       | 92.0     | 111.0     | 78.220                 | 7470                   | 5000                          | 4000                                  |
| 30       | 105.0    | 130.0     | 126.702                | 12100                  | 4400                          | 3600                                  |
| 35       | 124.0    | 149.0     | 193.717                | 18500                  | 3900                          | 3100                                  |
| 40       | 146.0    | 171.0     | 320.419                | 30600                  | 3600                          | 2800                                  |
| 45       | 165.0    | 194.0     | 439.791                | 42000                  | 3200                          | 2600                                  |
| 50       | 178.0    | 222.0     | 592.670                | 56600                  | 2900                          | 2400                                  |
| 55       | 197.0    | 248.0     | 774.869                | 74000                  | 2650                          | 2200                                  |
| 60       | 222.0    | 267.0     | 946.597                | 90400                  | 2450                          | 2100                                  |
| 70       | 254.0    | 305.0     | 1413.613               | 135000                 | 2150                          | 1800                                  |
| 80       | 279.0    | 343.0     | 1780.105               | 170000                 | 1750                          | -                                     |
| 90       | 305.0    | 381.0     | 2366.492               | 226000                 | 1550                          | -                                     |
| 100      | 343.0    | 406.0     | 3246.073               | 310000                 | 1450                          | -                                     |
| 110      | 387.0    | 445.0     | 4324.607               | 413000                 | 1330                          | -                                     |
| 120      | 425.0    | 495.0     | 5811.518               | 555000                 | 1200                          | -                                     |



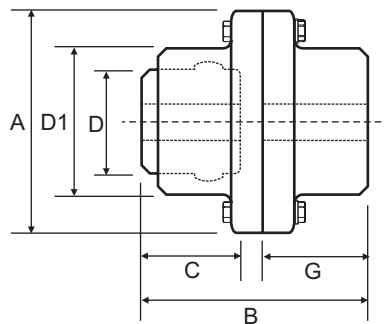
# GEAR COUPLING

## DIMENSIONAL DATA

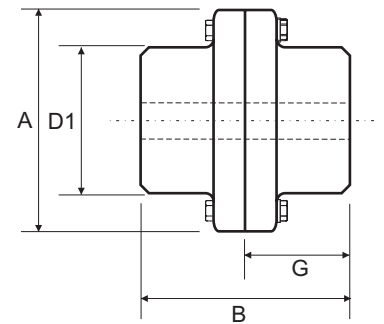
**GDE**  
Double Engagement



**GSE**  
Single Engagement



**GRC**  
Rigid Coupling



| Part No. | Bore     |           |          |           | A     | B     |       | C     | E     | F     | G     | D     | D1    |
|----------|----------|-----------|----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          | Min Flex | Min Rigid | Max Flex | Max Rigid |       | GDE   | GSE   |       |       |       |       |       |       |
| 10       | 13.0     | 13.0      | 48.0     | 60.0      | 116.0 | 89.0  | 87.0  | 43.0  | 39.0  | 44.5  | 40.0  | 69.0  | 84.0  |
| 15       | 19.0     | 19.0      | 60.0     | 75.0      | 152.0 | 101.0 | 99.0  | 49.0  | 48.0  | 50.5  | 46.0  | 86.0  | 105.0 |
| 20       | 25.0     | 25.0      | 73.0     | 92.0      | 178.0 | 127.0 | 124.0 | 62.0  | 59.0  | 63.5  | 58.0  | 105.0 | 126.0 |
| 25       | 32.0     | 32.0      | 92.0     | 111.0     | 213.0 | 159.0 | 156.0 | 77.0  | 72.0  | 79.5  | 74.0  | 131.0 | 155.0 |
| 30       | 38.0     | 38.0      | 105.0    | 130.0     | 240.0 | 187.0 | 184.0 | 91.0  | 84.0  | 93.5  | 88.0  | 152.0 | 180.0 |
| 35       | 51.0     | 51.0      | 124.0    | 149.0     | 279.0 | 218.0 | 213.5 | 106.0 | 98.0  | 109.0 | 102.0 | 178.0 | 211.0 |
| 40       | 64.0     | 64.0      | 146.0    | 171.0     | 318.0 | 248.0 | 243.0 | 121.0 | 111.0 | 124.0 | 115.0 | 210.0 | 245.0 |
| 45       | 76.0     | 76.0      | 165.0    | 194.0     | 346.0 | 278.0 | 274.0 | 135.0 | 123.0 | 139.0 | 131.0 | 235.0 | 274.0 |
| 50       | 89.0     | 89.0      | 178.0    | 222.0     | 389.0 | 314.0 | 309.0 | 153.0 | 141.0 | 157.0 | 147.0 | 254.0 | 306.0 |
| 55       | 102.0    | 102.0     | 197.0    | 248.0     | 425.0 | 344.0 | 350.0 | 168.0 | 158.0 | 172.0 | 173.0 | 279.0 | 334.0 |
| 60       | 114.0    | 114.0     | 222.0    | 267.0     | 457.0 | 384.0 | 384.0 | 188.0 | 169.0 | 192.0 | 186.0 | 305.0 | 366.0 |
| 70       | 89.0     | 89.0      | 254.0    | 305.0     | 527.0 | 451.5 | 454.0 | 221.0 | 196.0 | 225.8 | 220.0 | 343.0 | -     |
| 80*      | 102.0    | 102.0     | 279.0    | 343.0     | 591.0 | 507.5 | 511.0 | 249.0 | 243.0 | 253.8 | 249.0 | 356.0 | -     |
| 90*      | 114.0    | 114.0     | 305.0    | 381.0     | 660.0 | 565.0 | 566.0 | 276.0 | 265.0 | 282.5 | 276.0 | 394.0 | -     |
| 100*     | 127.0    | 127.0     | 343.0    | 406.0     | 711.0 | 623.0 | 626.0 | 305.0 | 294.0 | 311.5 | 305.0 | 445.0 | -     |
| 110*     | 140.0    | 140.0     | 387.0    | 445.0     | 775.0 | 679.0 | 682.0 | 333.0 | 322.0 | 339.5 | 333.0 | 495.0 | -     |
| 120*     | 152.0    | 152.0     | 425.0    | 495.0     | 838.0 | 719.0 | 722.0 | 353.0 | 341.0 | 359.5 | 353.0 | 546.0 | -     |

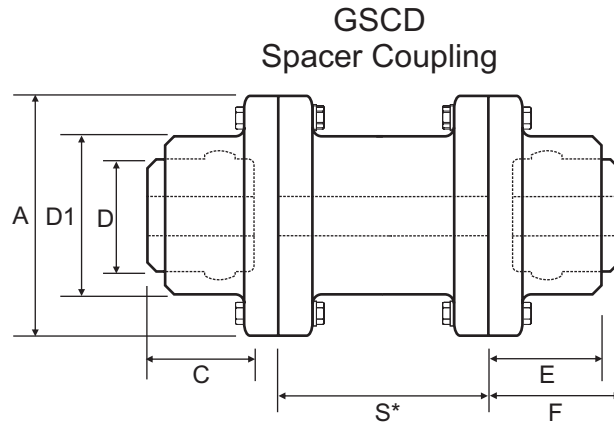
\* Design differs from drawing shown.

Exposed Bolt Design



# GEAR COUPLING

## DIMENSIONAL DATA



| Part No. | Bore     |          | A     | C     | E     | F     | D     | D1    | S*                                |     |     |     |     |     |  |
|----------|----------|----------|-------|-------|-------|-------|-------|-------|-----------------------------------|-----|-----|-----|-----|-----|--|
|          | Min Flex | Max Flex |       |       |       |       |       |       | Standard Spacer Lengths Available |     |     |     |     |     |  |
|          |          |          |       |       |       |       |       |       | 100                               | 140 | 180 | 250 | 300 | 350 |  |
| 10       | 13.0     | 48.0     | 116.0 | 43.0  | 39.0  | 44.5  | 69.0  | 84.0  | x                                 | x   | x   |     |     |     |  |
| 15       | 19.0     | 60.0     | 152.0 | 49.0  | 48.0  | 50.5  | 86.0  | 105.0 | x                                 | x   | x   | x   |     |     |  |
| 20       | 25.0     | 73.0     | 178.0 | 62.0  | 59.0  | 63.5  | 105.0 | 126.0 | x                                 | x   | x   | x   |     |     |  |
| 25       | 32.0     | 92.0     | 213.0 | 77.0  | 72.0  | 79.5  | 131.0 | 155.0 |                                   | x   | x   | x   |     |     |  |
| 30       | 38.0     | 105.0    | 240.0 | 91.0  | 84.0  | 93.5  | 152.0 | 180.0 |                                   | x   | x   | x   |     |     |  |
| 35       | 51.0     | 124.0    | 279.0 | 106.0 | 98.0  | 109.0 | 178.0 | 211.0 |                                   | x   | x   | x   |     |     |  |
| 40       | 64.0     | 146.0    | 318.0 | 121.0 | 111.0 | 124.0 | 210.0 | 245.0 |                                   | x   | x   | x   | x   |     |  |
| 45       | 76.0     | 165.0    | 346.0 | 135.0 | 123.0 | 139.0 | 235.0 | 274.0 |                                   | x   | x   | x   |     |     |  |
| 50       | 89.0     | 178.0    | 389.0 | 153.0 | 141.0 | 157.0 | 254.0 | 306.0 |                                   |     | x   | x   | x   |     |  |
| 55       | 102.0    | 197.0    | 425.0 | 168.0 | 158.0 | 172.0 | 279.0 | 334.0 |                                   |     | x   | x   | x   |     |  |
| 60       | 114.0    | 222.0    | 457.0 | 188.0 | 169.0 | 192.0 | 305.0 | 366.0 |                                   |     |     | x   | x   | x   |  |
| 70       | 89.0     | 254.0    | 527.0 | 221.0 | 196.0 | 225.8 | 343.0 | 425.0 |                                   |     |     |     | x   | x   |  |

S\* - Distance Between Shaft Ends  
Exposed Bolt Design