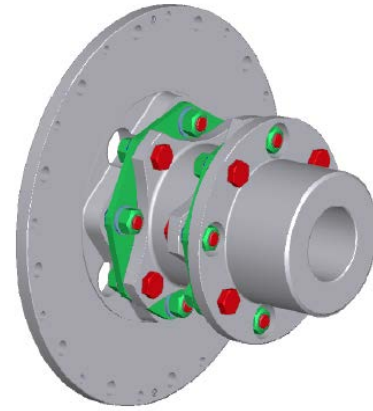
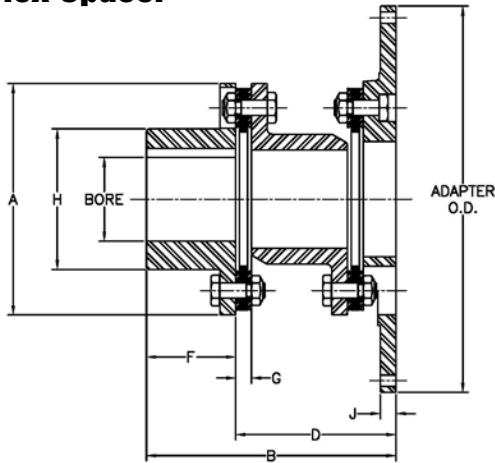


Heavy Duty Spacer Coupling GCF Series - Form-Flex®

Double Flex Spacer



| Size | Spacer | Max Bore | | Dimensions (in) | | | | | | | Size | Adapter O.D. / Standard Bolt Pattern | | | | | | | |
|------|--------|----------|------|-----------------|-------|-------|------|------|-------|------|---|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| | | (in) | (mm) | A | B | D | F | G | H | J | | 12.375 | 13.875 | 18.375 | 20.375 | 22.500 | 26.500 | 28.875 | |
| 340 | 31 | 3.75 | 100 | 8.38 | 8.19 | 5.31 | 2.88 | 0.57 | 5.44 | 0.5 | 340 | 12 | 14 | 18 | 20 | 22 | 26 | 28 | |
| | 35 | | | | 8.76 | 5.88 | | | | | | Order | SAE | SAE | Order | SAE | | | |
| 412 | 42 | 4.50 | 120 | 11.00 | 11.39 | 7.14 | 4.25 | 0.75 | 6.51 | 0.57 | 412 | | | SAE | Order | SAE | SAE/HD | SAE/HD | |
| | 45 | | | | 11.89 | 7.64 | | | | | | | SAE/HD | Order | SAE/HD | SAE/HD | SAE/HD | | |
| | 50 | | | | 13.01 | 8.76 | | | | | | | | | | | | SAE/HD | SAE/HD |
| 424 | 55 | 6.88 | 190 | 15.00 | 16.14 | 9.89 | 6.25 | 0.98 | 9.57 | 1.00 | 424 | | | SAE/HD | Order | SAE/HD | SAE/HD | SAE/HD | |
| | 60 | | | | 17.14 | 10.89 | | | | | | | | | | | | SAE/HD | SAE/HD |
| 456 | 70 | 8.00 | 220 | 18.00 | 19.69 | 12.44 | 7.25 | 1.32 | 11.63 | 1.13 | 456 | | | | | | SAE/HD | SAE/HD | |
| | 75 | | | | 20.76 | 13.51 | | | | | | | | | | | | SAE/HD | SAE/HD |
| 511 | 80 | 10.00 | 280 | 22.00 | 23.76 | 14.76 | 9.00 | 1.56 | 14.5 | 1.38 | 511 | | | | | | SAE/HD | SAE/HD | |
| | 85 | | | | 24.76 | 15.76 | | | | | | | | | | | | | |
| | 92 | | | | 26.26 | 17.26 | | | | | | | | | | | | | |
| | | | | | | | | | | | SAE Bolting | | | | | | | | |
| | | | | | | | | | | | BC | 11.625 | 13.125 | 17.25 | 19.25 | 21.375 | 25.25 | 27.25 | |
| | | | | | | | | | | | Hole Qty | 8 | 8 | 8 | 8 | 6 | 12 | 12 | |
| | | | | | | | | | | | Hole Dia | 0.41 | 0.41 | 0.53 | 0.53 | 0.65 | 0.65 | 0.78 | |
| | | | | | | | | | | | HD Bolting | | | | | | | | |
| | | | | | | | | | | | BC | 11.5 | 12.5 | 16.75 | 18.5 | 20.5 | 24.5 | 26.875 | |
| | | | | | | | | | | | Hole Qty | 8 | 8 | 8 | 8 | 8 | 12 | 12 | |
| | | | | | | | | | | | Hole Dia | 0.53 | 0.65 | 0.78 | 0.91 | 1.03 | 1.03 | 1.03 | |
| | | | | | | | | | | | Speed Limit by Adapter O.D. (2b) | | | | | | | | |
| | | | | | | | | | | | RPM | 3,400 | 3,400 | 2,900 | 2,600 | 2,400 | 2,000 | 1,800 | |

| Size | Spacer | Rated Torque | | Peak Overload | Max RPM (2a) | Weight (1) | WR ² (1) | Misalignment Capacity | | | |
|------|--------|--------------|-----------|---------------|--------------|------------|---------------------|-----------------------|----------------|-----------------------------|--------|
| | | HP/100 RPM | (lb-in) | | | | | (lb-in) | Axial (+/- in) | Angular (Degrees/Disc Pack) | |
| 340 | 31 | 64 | 40,000 | 60,000 | 3,400 | 46 | 567 | 0.06 | 0.33° | | |
| | 35 | | | | | | | | | 47 | 572 |
| 412 | 42 | 190 | 120,000 | 180,000 | 2,500 | 127 | 3,267 | 0.08 | | | |
| | 45 | | | | | | | | | 129 | 3,281 |
| | 50 | | | | | | | | | 132 | 3,312 |
| 424 | 55 | 380 | 240,000 | 360,000 | 1,800 | 261 | 8,346 | 0.10 | | | |
| | 60 | | | | | | | | | 268 | 8,464 |
| 456 | 70 | 889 | 560,000 | 840,000 | 1,500 | 491 | 22,549 | 0.12 | | | |
| | 75 | | | | | | | | | 502 | 22,825 |
| 511 | 80 | 1,746 | 1,100,000 | 1,650,000 | 1,200 | 870 | 58,863 | 0.14 | | | |
| | 85 | | | | | | | | 885 | 59,503 | |
| | 92 | | | | | | | | 1014 | 68,905 | |

- 1) Weight and WR2 calculated with hub at maximum inch bore size and minimum available adapter size.
- 2) a) Max RPM shown for smallest available adapter size, do not exceed this speed for any given coupling size.
b) Verify that adapter speed limit is adequate for application speed, do not exceed coupling MAX RPM (See note 2a).
- 3) Flywheel mounting hardware is not supplied with coupling.
- 4) Consult factory for torsional stiffness and alternating torque limits.

ORDERING

- 1) Specify coupling size and spacer option
Example: GCF424-60
- 2) Specify adapter size code. Specify bolting pattern for items noted as drilled per order.
Example: GCF424-60-26 or GCF424-60-22HD
- 3) Specify hub bore size and tolerance, keyway size or keyless, special hub length, etc.

STANDARD MATERIALS

HUB - CARBON STEEL
 SPACER - DUCTILE IRON
 FLYWHEEL ADAPTER - DUCTILE IRON
 HARDWARE - ALLOY STEEL
 DISC PACKS - HIGH CARBON STEEL