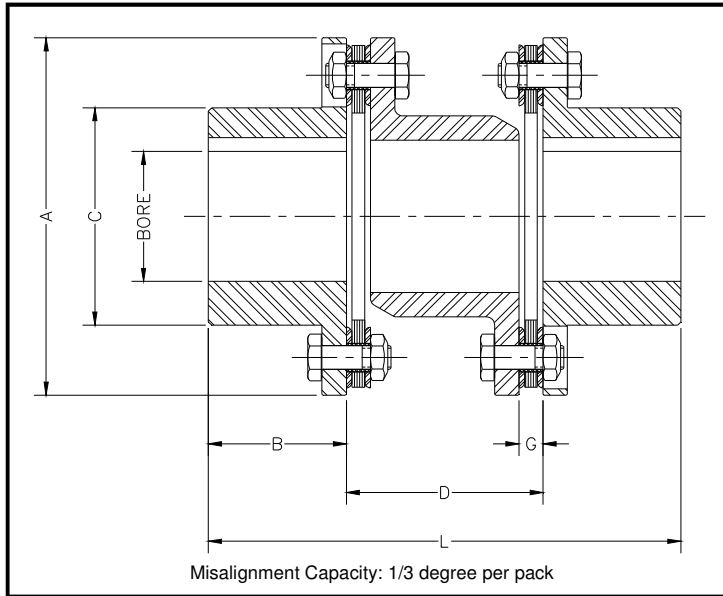


Turboflex

Disc Couplings

GCH Series Coupling Shaft to Shaft Connections



The GCH coupling is ideal for low to medium speed equipment requiring shaft-to-shaft connection. Several spacer lengths are stocked to meet a variety of industry standard equipment spacings. Standard steel hubs are suitable for use on keyless shafts. Hubs are available in a variety of configurations to mate to straight or tapered shaft equipment. Special flange mountings are also available.

Our engineers commonly work with torsional analysts and design engineers to customize couplings to meet special system requirements. Special stiffness spacers, high-inertia hubs and flywheels are common modifications. We will work with you through the design and production of modified couplings for your special projects.

- **Carbon Steel Flex Packs Standard**
- **Unitized Flex Packs for Ease of Assembly**
- **Steel Hubs Standard**
 - **Special Lengths to Match Compressor**
 - **Flange Mounts**
 - **Taper Bores**
- **Cast Spacers**
- **Modified Designs Available**
 - **Flywheel/ Inertia Hubs**
 - **Tuned Stiffness**

| SIZE | SPACER | MAX BORE | | DIMENSIONS (INCHES) | | | | | |
|------|--------|----------|------|---------------------|------|-------|-------|------|-------|
| | | (in) | (mm) | A | B | C | D | G | L |
| 40 | 31 | 3.75 | 100 | 8.38 | 2.88 | 5.44 | 4.14 | .57 | 9.89 |
| | 35 | | | | | | 4.71 | | 10.46 |
| 120 | 42 | 4.50 | 120 | 11.00 | 4.25 | 6.51 | 5.57 | 0.75 | 14.07 |
| | 45 | | | | | | 6.07 | | 14.57 |
| | 50 | | | | | | 7.19 | | 15.69 |
| 240 | 55 | 6.88 | 190 | 15.00 | 6.25 | 9.57 | 7.45 | 0.98 | 19.95 |
| | 60 | | | | | | 8.45 | | 20.95 |
| 560 | 70 | 8.00 | 220 | 18.00 | 7.25 | 11.63 | 9.63 | 1.32 | 24.13 |
| | 75 | | | | | | 10.70 | | 25.20 |
| 1100 | 80 | 10.00 | 280 | 22.00 | 9.00 | 14.50 | 11.39 | 1.56 | 29.39 |
| | 85 | | | | | | 12.39 | | 30.39 |
| | 92 | | | | | | 13.89 | | 31.89 |



Turboflex GCH560 shown with integral 34.3" OD flywheel for electric motor to reciprocating compressor application.

| SIZE | SPACER | RATED TORQUE | | PEAK OVERLOAD (lb-in) | MAX RPM | WEIGHT (1) (lb) | WR ² (1) (lb-in ²) | AXIAL FLOAT +/- in |
|------|--------|----------------|-----------|-----------------------|---------|-----------------|---|--------------------|
| | | HP PER 100 RPM | (lb-in) | | | | | |
| 40 | 31 | 64 | 40,000 | 60,000 | 3,400 | 43 | 344 | 0.06 |
| | 35 | | | | | 44 | 349 | |
| 120 | 42 | 190 | 120,000 | 180,000 | 2,500 | 106 | 1,373 | 0.08 |
| | 45 | | | | | 108 | 1,387 | |
| | 50 | | | | | 112 | 1,418 | |
| 240 | 55 | 380 | 240,000 | 360,000 | 1,800 | 278 | 7,157 | 0.10 |
| | 60 | | | | | 284 | 7,277 | |
| 560 | 70 | 889 | 560,000 | 840,000 | 1,500 | 529 | 19,551 | 0.12 |
| | 75 | | | | | 540 | 19,832 | |
| 1100 | 80 | 1,746 | 1,100,000 | 1,650,000 | 1,200 | 965 | 54,405 | 0.14 |
| | 85 | | | | | 981 | 55,046 | |
| | 92 | | | | | 1,016 | 61,098 | |

NOTES:

- 1) Weight and WR² are calculated with hubs at maximum bore size.
- 2) Consult factory for torsional stiffness and alternating torque limits.

ORDERING INFORMATION:

- 1) Specify coupling size and spacer option. Example: GCH240-60
- 2) Specify hub bore size and tolerance, keyway size or keyless, special hub length, etc. Please specify for each hub.