

Falk™ Lifelign® Gear Couplings

Save Up Front Money and Increase
Equipment Life
(English-Metric)



Falk™ Lifelign® Gear Couplings Realize Life-Long Savings

Initial Savings

Falk Lifelign couplings provide the economies budget-minded users seek, without sacrificing coupling quality or reliability.

Superior Bore Capacities and Torque Ratings

The unmatched bore capacities and torque ratings of Falk Lifelign couplings often allow you to select a smaller sized coupling for a given application.

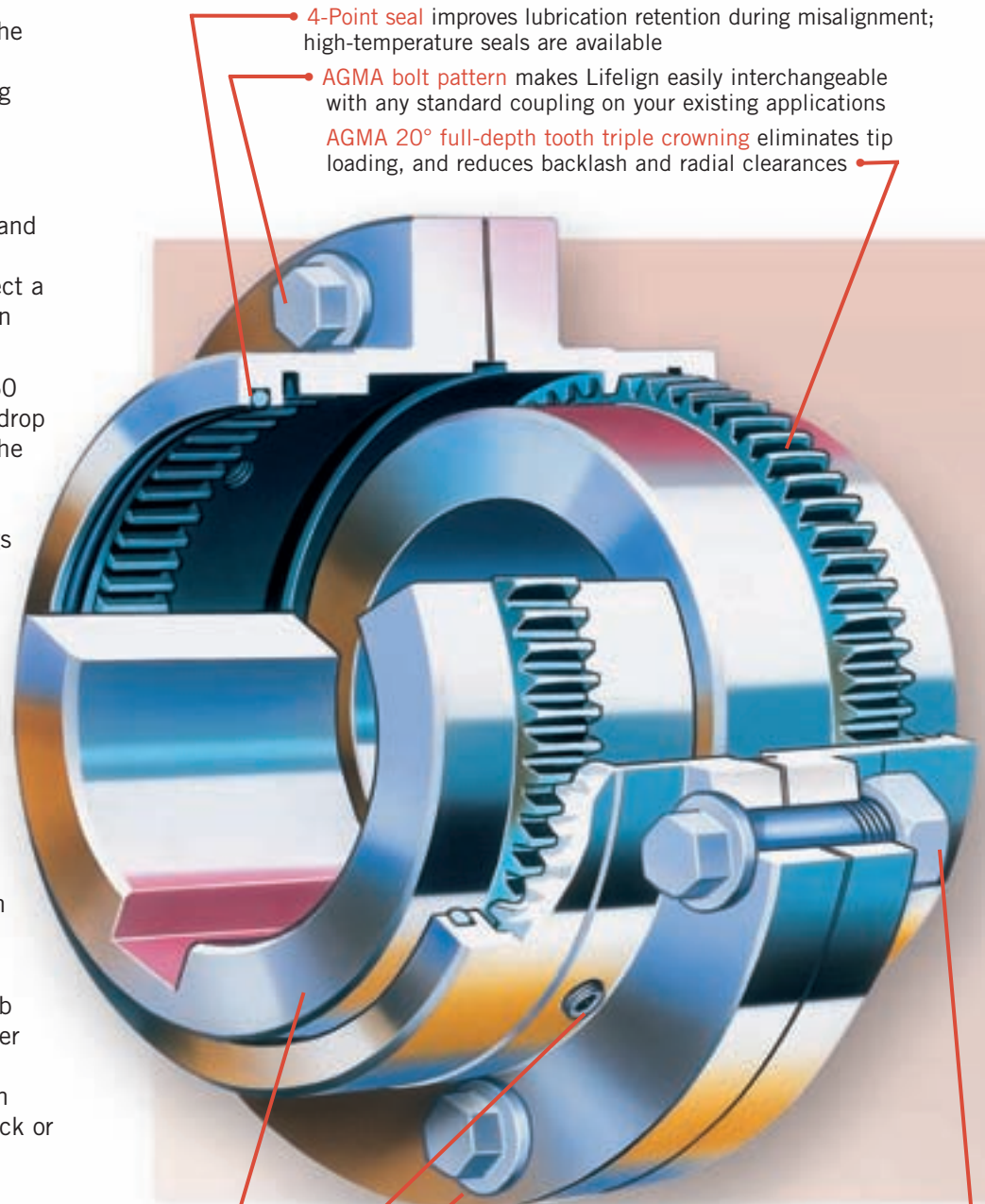
In fact, selections for T frame, 60 hertz electric motors result in a drop of one coupling size for half of the 28 motor frames available. The result: quality, reliability and performance with average savings of 15-20% over competitive offerings.

The smaller overall size also makes Lifelign couplings well suited for limited space applications that still require large bores and high torque loads.

Ideal for Existing Applications

Half for half interchangeability allows you to add capacity and realize the advantages of Lifelign couplings on your existing applications and designs, as well.

What's more, Lifelign's larger hub diameter features more metal over the keyway versus other designs, providing greater reserve strength against hub fractures due to shock or impact loads.



• **4-Point seal** improves lubrication retention during misalignment; high-temperature seals are available

• **AGMA bolt pattern** makes Lifelign easily interchangeable with any standard coupling on your existing applications

• **AGMA 20° full-depth tooth triple crowning** eliminates tip loading, and reduces backlash and radial clearances

• **High-strength Grade 8 Bolts** provide added protection against failure

• **Lube holes** located near the tooth mesh to ensure an adequate grease reservoir during initial startup

• **Massive Flex Hub** provides the industry's largest bore capacity for the most economical selection possible

• **Non-turning prevailing torque locknut** provides a reliable hold with fewer parts



Greater Bore Capacity

| AGMA Coupling Size | Popular Competitive Brands | Falk LIFELIGN Couplings |
|--------------------|----------------------------|-------------------------|
| 1 | 1.625 | 1.875 |
| 1 1/2 | 2.250 | 2.375 |
| 2 | 2.750 | 2.875 |
| 2 1/2 | 3.500 | 3.625 |
| 3 | 4.000 | 4.125 |
| 3 1/2 | 4.500 | 4.875 |
| 4 | 5.500 | 5.750 |
| 4 1/2 | 6.000 | 6.750 |
| 5 | 6.625 | 7.375 |
| 5 1/2 | 7.500 | 8.250 |
| 6 | 8.125 | 9.125 |
| 7 | 9.625 | 10.875 |

Higher Torque Ratings

| AGMA Coupling Size | Popular Competitive Brands | Falk LIFELIGN Couplings |
|--------------------|----------------------------|-------------------------|
| 1 | 7,500 | 10,080 |
| 1 1/2 | 18,900 | 20,790 |
| 2 | 31,500 | 37,800 |
| 2 1/2 | 56,700 | 66,150 |
| 3 | 94,500 | 107,100 |
| 3 1/2 | 151,200 | 163,800 |
| 4 | 220,500 | 270,900 |
| 4 1/2 | 302,400 | 371,700 |
| 5 | 434,700 | 500,900 |
| 5 1/2 | 573,300 | 655,200 |
| 6 | 749,700 | 800,100 |
| 7 | 1,008,000 | 1,197,000 |

Designs to Meet a Diverse Range of Needs

G Standard Flanged Sleeve

General purpose series used on bulk handling systems, paper machines, fans, pumps, cranes mixers, sugar mills, crushers and many other high-torque applications.



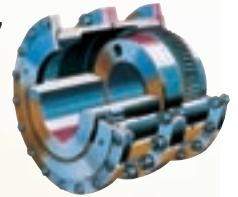
GC Continuous Sleeve

Used on high-speed equipment with low inertia requirements.



G Large Flanged Sleeve

For very high torque applications, including power plants, mining, cement, steel and metal mills, paper, sugar, rubber and other large industrial plants.



G10 Shrouded Bolt



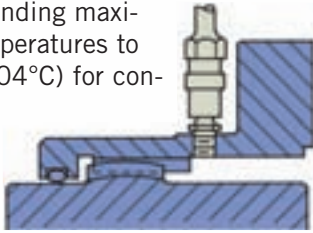
Lifetime Savings

Lifesign Couplings are specially designed to remain your most economical solution by extending maintenance intervals, reducing wear and increasing service life.

Advanced Lube System

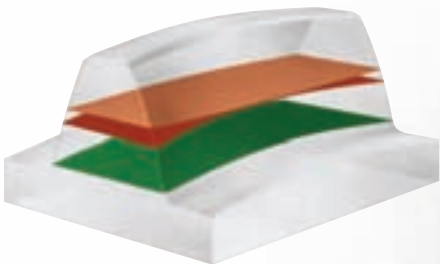
Falk Long Term Grease (LTG) eliminates routine lubrication cycles for up to 3 years. The location of the lubrication hole in the sleeve ensures that an adequate grease reservoir will be maintained close to the gear mesh. Plus, Lifesign's 4-point seal contact provides better retention of lubricant, eliminating the axial seal movement that can draw lubricant out of the coupling should misalignment occur.

For added reliability our standard seals handle a maximum continuous operating temperature of 250°F (121°C) and a maximum intermittent temperature of 300°F (149°C). High temperature seals are available, extending maximum temperatures to 400°F (204°C) for continuous duty and 500°F (260°C) for intermittent use.



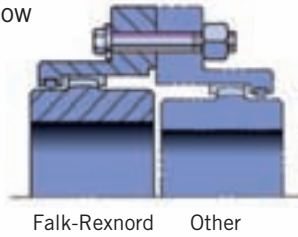
Triple crown protection

Crowning at the root, tip and face of each tooth helps minimize wear damage due to misalignment. This triple-crown effect eliminates tip loading, while also reducing backlash and radial clearances.



Reliable, convenient fasteners

High-strength, Grade-8 fasteners provide added protection against coupling failure at the flange joint. To assure the easiest possible assembly and disassembly, fasteners are zinc-coated to prevent corrosion and feature non-turning locknuts, which allow one-wrench installation with no washers required.



You Get More than Cost Savings with Falk Lifesign Couplings

Capacity

Rexnord supplies the largest gear couplings in the world for low-speed, high-torque applications or where bore capacities of 10" to 52" are required.

Quality

Rexnord pours its own castings and completely machines the components to assure maximum product integrity with minimum lead times.

Performance

Rexnord can supply alloy steels for hydraulic hub removal, increased wear resistance, or to increase torque ratings by an average of 60% for only about a 30% increase in price. The torque boost can allow smaller sizes to be used, thus significantly reducing overall costs.

Selection

Rexnord supplies a complete range of coupling designs including, gear disc, grid, elastomer, composite, and fluid couplings.

Expertise

Rexnord's extensive applications engineering expertise combines with our comprehensive product offering to assure that you wind up with the best choice for the job.... and your preferred requirements.

Packaged System Design

Rexnord's unmatched variety of gear drives and power transmission components allows us to develop complete packaged systems for your power transmission needs. In many cases, pre-packaged systems offer drop-in installation or replacement, minimizing installation time and costs.

Global Availability and Support

Rexnord's has 900+ distributor locations and 300+ sales engineers, offering local availability on a global basis.

3-Year Heavy-Duty Warranty

Rexnord rewrote industry expectations by offering the first 3-Year Warranty, standard, on all "heavy-duty" products.

Online Support

Rexnord online support includes spares information and pricing, service data, product literature, quoting tools and engineering artwork.



Selection Guide M451-110, October 2006

Table of Contents

| | |
|------------------------|-------|
| Nomenclature | 6 |
| Available Types | 7-9 |
| How to Select | 10-11 |
| Quick Selection Method | 12-13 |
| Service Factors | 14-15 |
| How to Order | 15 |

CONTINUOUS SLEEVE GEAR COUPLINGS —

Dimensions & Specifications

| | |
|-----------------------------|----|
| Type GC02 Double Engagement | 16 |
| Type GC05 Single Engagement | 17 |
| Type GC05 Floating Shaft | 18 |

STANDARD FLANGED SLEEVE GEAR COUPLINGS —

Dimensions & Specifications

| | |
|---|-------|
| Type G20 Double Engagement | 19 |
| Type G32 Spacer | 20 |
| Type G52 Single Engagement | 21 |
| Type G52 Floating Shaft | 22-23 |
| Type GV20 Vertical Double Engagement | 24 |
| Type GV52 Vertical Single Engagement | 25 |
| Types G62/G66 Brakewheel, Straight Bores & G63 Disc Brake | 26 |
| Types G62 & G66 Brakewheel, Taper Bores | 27 |
| Type GL20 Slide Double Engagement | 28 |
| Type GL52 Slide Single Engagement | 29 |
| Type G70 Disconnect, Inching Drives | 30 |
| Type G72 Disconnect | 31 |
| Type GP20/52/82 Insulated | 32 |
| Type G82 Rigid | 33 |
| Type GV82 Rigid Thrust | 34 |
| Type GR20 Shear Pin | 35 |
| Type G Mill Motor & Taper Bores | 36 |

Engineering Data

| | |
|--|----|
| Recommended Commercial Keys for Bores With One Key | 37 |
| Shaft Diameters & Ratings for NEMA 60 Hertz & 50 Hertz | |
| Metric Motors | 37 |
| Maximum Bores | 38 |
| Recommended Bore Tolerances, Falk Steel Coupling Hubs | 38 |
| Flanged Sleeve & Rigid Hub Details | 39 |
| Puller Bolt Holes | 39 |
| Torsional Stiffness | 40 |
| WR ² Values | 40 |
| Standard Filleted Keyways & Chamfered Keys | 40 |
| Variable Gap | 41 |
| Misalignment Capacity | 41 |

LARGE FLANGED SLEEVE GEAR COUPLINGS —

Dimensions & Specifications

| | |
|--------------------------------------|----|
| Type G20 Double Engagement | 42 |
| Type G52 Single Engagement | 43 |
| Type G52 Floating Shaft | 44 |
| Type GV20 Vertical Double Engagement | 45 |
| Type GV52 Vertical Single Engagement | 46 |
| Type GL20-4 Slide Double Engagement | 47 |
| Type G70 Disconnect, Inching Drives | 48 |
| Type G82 Rigid | 49 |
| Type GR20 Shear Pin | 50 |

Engineering Data

| | |
|---|----|
| Recommended Commercial Keys for Bores with One Key | 51 |
| Recommended Bore Tolerances, Falk Steel Coupling Hubs | 51 |
| Flanged Sleeve & Rigid Hub Details | 52 |
| Sleeve Jack Bolt Holes | 52 |
| Puller Bolt Holes | 52 |
| Torsional Stiffness | 52 |
| WR ² Values | 52 |
| Bore Ranges for Reduced Shank Dia. Hubs | 53 |
| Puller Bolt Holes for Reduced Shank Dia. Hubs | 53 |
| Standard Filleted Keyways & Chamfered Keys | 54 |
| Misalignment Capacity | 55 |

ALL TYPES

| | |
|--|-------|
| Recommended Hub Bores for Interference & Clearance Fit | 56-57 |
| Interchange Guide Flanged & Continuous Sleeve | 58-59 |
| Coupling Application Data Sheet | 60 |



Factory Warranty We're so confident in the performance and reliability of our latest generation of Falk gear drives that we're backing this comprehensive offering with the best standard warranty in the business. Our full, 3-year Heavy-Duty Warranty provides "shaft-to-shaft" protection on all Falk components – including bearings and seals. It's an industry first... and one more powerful reason why Rexnord is your ultimate bottom-line drive and coupling value.★

★ Warranty extends for 3 years from date of shipment.

Basic Information

Install and operate Rexnord products in conformance with applicable local and national safety codes and per Rexnord installation manuals which are available upon request. Suitable guards for rotating members may be purchased from Rexnord as optional accessories. Consult your local Rexnord representative for complete details.

WARNING: Lock out power and remove all external loads from the system before attempting to service any component in the system. Locking out the power and removing the load will reduce the possibility of unexpected motion or reaction in the system. Falk Long Term Grease Benefits include: Increased coupling life, significantly extended re-lubrication intervals, reduced maintenance costs, reduced downtime, superior lubrication, high load carrying capabilities and it is usable up to 121°C (250°F).

For information on Falk Long Term Grease, request Form 840201. Lifalign gear couplings are warranted for 3 years when lubricated with Falk LTG Long Term Grease.

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Taper-Lock is a registered trademark of a bushing under license.

Viton is a registered trademark of the DuPont Co.

The contents of this selection guide are subject to change without notice or obligation. Information contained herein should be confirmed before placing orders.



Lifeline® Gear Coupling Nomenclature

Type GC (Pages 16 thru 18 & 38 thru 41)

1010

SIZE

GC

PRODUCT
CLASSIFICATION

02

TYPE

Gear — Continuous Sleeve

GC02 = Double Engagement
GC05 = Single Engagement/Floating Shaft

Type G (Pages 19 thru 41)

1010

SIZE

G

PRODUCT
CLASSIFICATION

20

TYPE (Shrouded and Exposed Bolts)

Gear — Standard Flanged Sleeve

G10/20 = Double Engagement (Shrouded/Exposed)
G51/52 = Single Engagement/Floating Shaft (Shrouded/Exposed)
GV10/20 = Vertical Double Engagement (Shrouded/Exposed)
GV51/52 = Vert. Single Engage./Floating Shaft (Shrouded/Exposed)
G62 = Brakewheel Double Engagement (Exposed)
G63 = Disc Brake Double Engagement (Exposed)
G66 = Brakewheel Single Engagement (Exposed)
GL20 = Slide Double Engagement (Exposed)
GL52 = Slide Single Engagement/Floating Shaft (Exposed)
G70 = Disconnect Inching Drives
G72 = Disconnect (Exposed)
G31/32 = Spacer (Shrouded/Exposed)
GP20 = Insulated Double Engagement (Exposed)
GP52 = Insulated Single Engagement/Floating Shaft (Exposed)
GP82 = Insulated Rigid (Exposed)
G81/82 = Rigid (Shrouded/Exposed)
GV82 = Vertical Rigid (Exposed)
GR20 = Shear Pin (Exposed)

Type G (Pages 42 thru 55)

1080

SIZE

G

PRODUCT
CLASSIFICATION

20

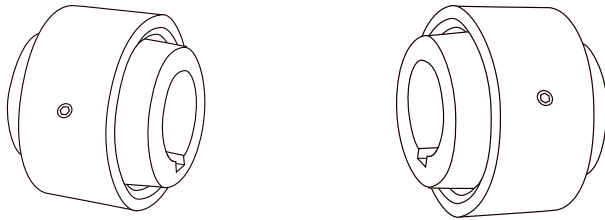
TYPE (Exposed Bolts Only)

Gear — Large Flanged Sleeve

Type G20 = Double Engagement
Type G52 = Single Engagement/Floating Shaft
Type GV20 = Vertical Double Engagement
Type GV52 = Vertical Single Engagement/Floating Shaft
Type GL20 = Slide Double Engagement
Type G70 = Disconnect/Inching Drives
Type G32 = Spacer
Type G82 = Rigid
Type GV82 = Vertical Rigid
Type GR20 = Shear Pin

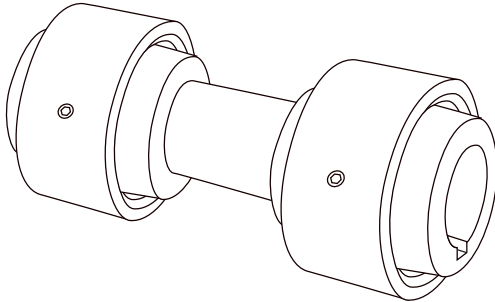


Lifeline Gear Coupling Types



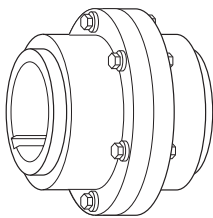
Type GC02 & GC05

With two hubs and one sleeve, the simplicity of this continuous sleeve coupling allows it to be easily adapted to a wide variety of applications. It's very compact, low in rotating mass, and has a lower initial cost than flanged types. (See Pages 16 & 17.)

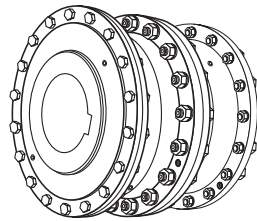


Type GC05 Floating Shaft

Floating shaft assemblies are used when distance between equipment is too great for spacer couplings. A standard floating shaft assembly consists of two standard single engagement couplings and a connecting shaft. A floating shaft can eliminate the need for additional bearing supports along spanning shafts because the shaft is supported by connected equipment through the single engagement couplings. (See Page 18.)



Types G20 & GV20

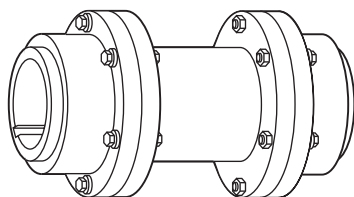


Type G Large Gear Coupling

The Type G20 double engagement, close coupled type has two flex halves to accommodate both offset and angular misalignment or a combination of the two, as well as end float. It is ideal for all horizontal, close coupled applications including fans, overhead cranes, conveyors, steel and paper mill equipment. It is adaptable with limited end float kits for use on electric motors, generators or any machines fitted with sleeve or straight roller bearings. (See Page 19.)

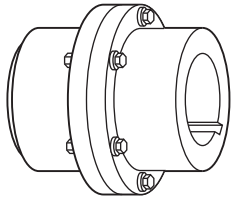
Type GV20 vertical double engagement gear coupling is a standard horizontal double engagement gear coupling modified to accommodate the sleeve centering assembly. Recommended for inclinations over 10°. (See Pages 24 and 45.)

The Type G Large Gear Coupling is available in all types for capacities up to 8,185,000 Nm, (72,450,00 lb-in. (See Page 42.)



Type G32

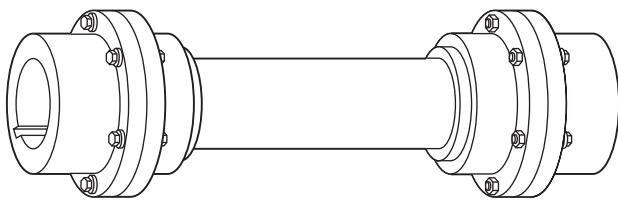
Spacer couplings for pump and compressor applications simplify servicing connected equipment. Spacer couplings use a standard double engagement coupling with a spacer tube and an additional set of fasteners. Stock spacer lengths for quick delivery are available in the popular sizes. Special lengths are also available. (See Page 20.)



Types G52 & GV52

The Type G52 single engagement design is used with floating shafts or three bearing drive trains. It has one flex half and one rigid half and only accepts angular misalignment. (See Pages 21 and 43.)

The GV52 vertical single engagement gear coupling is a standard horizontal single engagement gear coupling modified to accommodate the sleeve centering assembly. It is recommended for inclinations over 10°. Downward thrust capacity for Sizes 1010 thru 1030GV52 is 1 130 Nm; Sizes 1035 thru 1070GV52 is 3 390 Nm and Sizes 1080GV52 and larger is 9 830 Nm. (See Pages 25 & 46.)

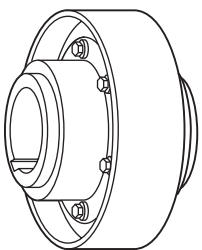


Types G52 & GV52 Floating Shaft

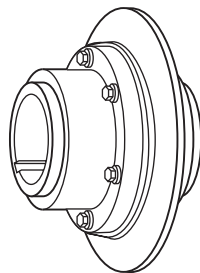
Floating shaft assemblies are used when distance between equipment is too great for spacer couplings. A standard floating shaft assembly consists of two standard single engagement couplings, two gap discs and a connecting shaft. A floating shaft can eliminate the need for additional bearing supports along spanning shafts because the shaft is supported by connected equipment through the single engagement couplings. (See Pages 22 and 44.) When used with a vertical floating shaft on inclinations over 10°, the Type GV52 coupling is used as the lower coupling to support the shaft. (See Pages 25 and 46.)

Flex Hubs on Floating Shaft (RFFR) — Assembly of the flex hubs on the floating shaft allows for easier replacement and allows the rigid hubs with greater bore capacity to be used on the connected equipment shafts. This frequently means a smaller coupling size can be utilized.

Rigid Hubs on Floating Shaft (FRRF) — When the rigid hubs are on the floating shaft, shorter shaft spans can be accommodated, since no cover drawback is required.

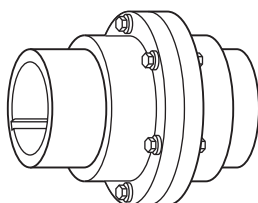


Types G62 & 66



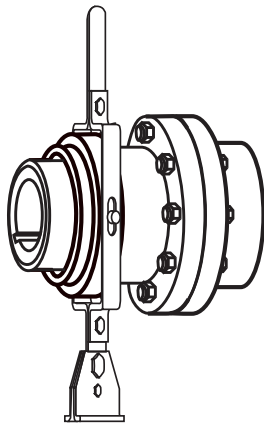
Type G63

Double or single engagement brakewheel and disc brake couplings are used for applications, such as cranes, hoists and conveyors. Brakewheel and disc brake couplings accommodate misalignment between connected equipment and eliminate the need for double shaft extensions on motors and gear drives for applications requiring brakes. (See Pages 26 & 27.)



Types GL20 & GL52

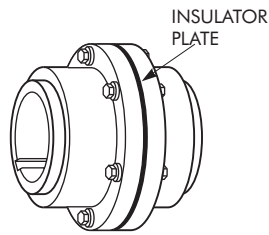
Double and single engagement Slide couplings are used for applications requiring axial movement to accommodate thermal shaft expansion or adjustment. (See Pages 28, 29, and 47.)



Types G70 & G72

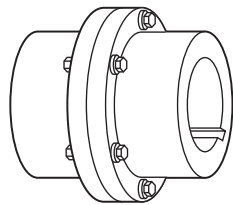
Type G70 Disconnect couplings are used for low speed applications that require quick disconnect of equipment or inching drives. It is used for occasional servicing or inspection of drive system components and is most commonly used on portable or stationary inching drive systems where the driving end hub/sleeve combination is mounted on the driving shaft on the incher for connecting or disconnecting at standstill. (See Pages 30 and 48.)

Type G72 Disconnect couplings were designed for higher speed applications that require quick disconnect such as backup drives. When the long flex hub is mounted on the auxiliary driving shaft, the changeover is performed at standstill by engaging the free running hub. (See Page 31.)



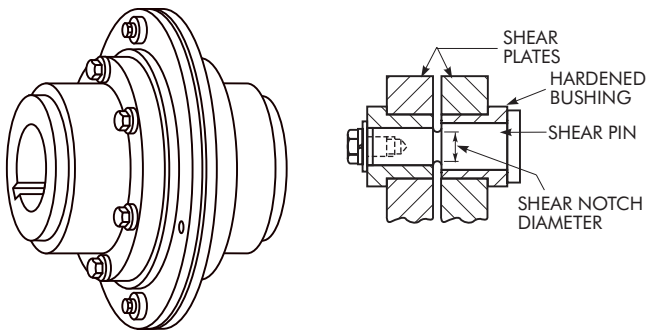
Types GP20, GP52 & GP82

Double, single or rigid engagement insulated couplings are used to eliminate the flow of stray current from one shaft to another and to protect sensitive electrical equipment. They are not intended to withstand high potential currents, short circuits or static charges. Insulated couplings consist of standard hubs and sleeves, and utilize reduced diameter socket head cap screws. The insulator plate is made of a NEMA Grade LE phenolic material and insulator bushings and washers are made of NEMA Grade G9 phenolic material. (See Page 32.)



Type G82

Rigid couplings are used when there is no need to accommodate misalignment, and where thrust loads are generated such as vertical mixer applications. (See Pages 33, 34, and 49.)



Type GR20

Shear pin couplings are used for applications subject to jamming and overload. When pins break, the equipment is physically disconnected preventing damage. If desired shear settings are unknown, the selection should be referred to the Factory. (See Pages 35 and 50.)

How to Select

Standard Selection Method

The standard selection method can be used for most motor, turbine, or engine driven applications. The following information is required to select a gear coupling.

- Kilowatt (kW) or torque (Nm)
- Running rpm.
- Application or type of equipment to be connected (motor to pump, drive to conveyor, etc.).
- Shaft diameters.
- Shaft gaps.
- Physical space limitations
- Special bore or finish information and type of fit

Exceptions are High Peak Loads, Brake Applications or high frequency axial sliding (greater than 5 per hour). For these conditions, use the Formula Selection Method on the next page. Applications that require rapid changes in direction or torque reversals should be referred to Falk.

- 1. RATING:** Determine system torque. If torque is not given, calculate as shown below.

$$\text{System Torque (Nm)} = \frac{\text{kW} \times 9549}{\text{rpm}}$$

Where: kW (Kilowatt) is the actual or transmitted power required by the application (if unknown, use the motor or turbine nameplate rating) and rpm is the actual speed the coupling is rotating.

- 2. SERVICE FACTOR:** Determine the appropriate service factor from Tables 4 and 5, Page 14, or Table 6, Page 15.
- 3. REQUIRED MINIMUM COUPLING RATING:** Determine the required minimum coupling rating as shown below
Minimum Coupling Rating = S.F. (Service Factor) x Torque (Nm)
- 4. TYPE:** Refer to Pages 7-9 and select the appropriate coupling type.
- 5. SIZE:** Determine proper size of type selected from Table 1 by tracing down torque column to a value that is equal or greater than that determined in Step 3 above. Then turn to the dimension pages of appropriate coupling type selected and check the following for the size selected.
- 6. Check:** Coupling Capacities and Dimensions
 - A. Bores —** Check shaft diameters against coupling maximum bore. If bore is inadequate, consider the use of a reduced key from engineering tables, or select a larger size coupling.
 - B. Speeds (rpm) —** Check the operating rpm against the coupling allowable speed. If catalogued values are inadequate, consider balancing. Balancing may allow up to 50% increase in speeds shown. Contact the Factory with complete application details.
 - C. Dimensions —** Checks are: length of hubs and alignment clearances against shaft lengths, outside diameter of coupling against radial clearances

STANDARD SELECTION EXAMPLE:

Select a gear coupling to connect a 350 kW 1000 rpm electric motor to a drive high speed shaft of a maneuvering winch. Maximum shaft separation is 6 mm. Motor shaft diameter is 85 mm and key is 22 mm x 14 mm. Winch shaft diameter is 75 mm and key is 20 mm x 12 mm. Motor and winch extensions are both 150 mm long.

1. DETERMINE REQUIRED RATING:

$$\text{System Torque (Nm)} = \frac{350 \text{ kW} \times 9549}{1000 \text{ rpm}} = 3342$$

- 2. SERVICE FACTOR:** From Service Factor Table 4, Page 14 = 1.5

3. REQUIRED MINIMUM COUPLING RATING:

$$1.5 \times 3342 \text{ Nm} = 5013 \text{ Nm}$$

- 4. TYPE:** From Page 7, to connect close coupled shafts (6 mm gap) the double engagement Type 1025GC02 or Type 1025G20 coupling is the selection. Refer to Pages 14 or 17 for dimensions.
- 5. SIZE:** From Page 16, a Size 1025GC02 or Page 19, a Size 1025G20 is the proper selection based on a torque rating of 7 470 Nm exceeding the required minimum coupling rating of 5013 Nm.
- 6. CHECK:** Maximum speed capacity of 3,330 (1025GC02) and 5000 (1025G20) rpm exceeds required speed of 1000 rpm. Maximum bore capacity of 98 mm exceeds the actual shaft diameters.

TABLE 1 — Torque and Horsepower Ratings

| Coupling Size | | Torque Rating (Nm) | | kW per 100 RPM | |
|---------------|-------|-------------------------------------|-------------|----------------|-------------|
| 1010G/GC | | 1 140 | | 11,9 | |
| 1015G/GC | | 2 350 | | 24,6 | |
| 1020G/GC | | 4 270 | | 44,7 | |
| 1025G/GC | | 7 470 | | 78,3 | |
| 1030G/GC | | 12 100 | | 127 | |
| 1035G/GC | | 18 500 | | 194 | |
| 1040G | | 30 600 | | 321 | |
| 1045G | | 42 000 | | 440 | |
| 1050G | | 56 600 | | 593 | |
| 1055G | | 74 000 | | 775 | |
| 1060G | | 90 400 | | 947 | |
| 1070G | | 135 000 | | 1 420 | |
| Coupling | | Torque Rating (Nm) x10 ³ | | kW per 100 RPM | |
| | | 1000 Series | 2000 Series | 1000 Series | 2000 Series |
| 1080G | 2080G | 170 | 234 | 1 780 | 2 450 |
| 1090G | 2090G | 226 | 315 | 2 360 | 3 300 |
| 1100G | 2100G | 310 | 443 | 3 250 | 4 640 |
| 1110G | 2110G | 413 | 609 | 4 320 | 6 380 |
| 1120G | 2120G | 555 | 777 | 5 810 | 8 140 |
| 1130G | 2130G | 719 | 925 | 7 530 | 9 690 |
| 1140G | 2140G | 911 | 1 140 | 9 540 | 11 900 |
| 1150G | 2150G | 1 100 | 1 350 | 11 500 | 14 200 |
| 1160G | 2160G | 1 310 | 1 640 | 13 700 | 17 100 |
| 1180G | 2180G | 1 660 | 2 140 | 17 400 | 22 400 |
| 1200G | 2200G | 2 140 | 2 850 | 22 400 | 29 800 |
| 1220G | 2220G | 2 720 | 3 560 | 28 500 | 37 300 |
| 1240G | 2240G | 3 470 | 4 480 | 36 400 | 47 000 |
| 1260G | 2260G | 4 490 | 5 480 | 47 000 | 57 400 |
| 1280G | 2280G | 5 840 | 6 760 | 61 100 | 70 800 |
| 1300G | 2300G | 6 760 | 8 190 | 70 800 | 85 700 |



How to Select

Formula Selection Method

The Standard Selection Method can be used for most coupling selections. The procedure below should be used for:

- High Peak Loads
- Brake Applications (where the disc brake or brakewheel is to be an integral part of the coupling, consult the Factory for design options.)
- High Frequency Axial Sliding
- Shear Pin Couplings

Providing system peak torque and frequency, duty cycle, and brake torque rating will allow for a more refined selection using the Formula Selection Method.

- 1. High Peak Loads:** Use one of the following formulas for applications using motors, with torque characteristics that are higher than normal; applications with intermittent operations, shock loading, inertia effects due to starting and stopping and or system induced repetitive high peak torques. System Peak Torque is the maximum torque that can exist in the system. Select a coupling with a torque rating equal to or greater than selection torque calculated below.

A. NON-REVERSING HIGH PEAK TORQUE

Selection Torque (Nm) = System Peak Torque

or

$$\text{Selection Torque (Nm)} = \frac{\text{System Peak kW} \times 9549}{\text{rpm}}$$

B. REVERSING HIGH PEAK TORQUE

Selection Torque (Nm) = 1.5 x System Peak Torque

or

$$\text{Selection Torque (Nm)} = \frac{1.5 \times \text{Peak kW} \times 9549}{\text{rpm}}$$

C. OCCASIONAL PEAK TORQUES (Non-Reversing) — If a system peak torque occurs less than 1000 times during the expected coupling life, use the following formula:

Selection Torque (Nm) = .5 x System Peak Torque

or

$$\text{Selection Torque (Nm)} = \frac{.5 \times \text{Peak kW} \times 9549}{\text{rpm}}$$

For reversing service, select per Step B, above.

- 2. BRAKE APPLICATIONS:** If the torque rating of the brake exceeds the motor torque, use the brake rating as follows:

Selection Torque (Nm) = Brake Torque Rating x S.F.

- 3. HIGH FREQUENCY AXIAL SLIDING:** For Type GL couplings; if axial movement occurs more than 5 times per hour, add .25 to the service factor.

$$\text{Selection Torque} = \frac{\text{kW} \times 9549 \times (\text{S.F.} + .25)}{\text{rpm}}$$

- 4. SHEAR PIN COUPLINGS:** When selecting Type GR couplings, make certain that the required shear torque is within the minimum/maximum range for the coupling size selected. Refer to Pages 35 and 50.

The user provided shear torque value must be based on a system analysis. It is recommended that the shear torque value be at least 225% of the normal transmitted torque value for non-reversing applications to avoid breaking the shear pins due to fatigue during motor start-up. For reversing applications, the recommended shear torque setting is 300-400% of normal torque to avoid fatigue failures. If the connected equipment cannot tolerate these torque levels, expect to replace the shear pins more frequently.

FORMULA SELECTION EXAMPLE — High Peak Load:

Select a gear coupling to connect a gear drive low speed shaft to a reversing runout mill table. The electric motor rating is 37 kW at its base speed and the system peak torque at the coupling is estimated to be 17 000 Nm. The coupling speed is 77 rpm at the motor base speed. Drive shaft diameter is 100 mm and key is 28 mm x 16 mm. Runout table roll diameter is 135 mm and key is 36 mm x 20 mm. Shaft separation is 12 mm maximum. Motor and drive shaft extensions are both 180 mm long.

- 1. TYPE:** From Page 7, to connect close coupled shafts (12 mm gap), the double engagement Type G20 coupling is the selection.
- 2. REQUIRED MINIMUM COUPLING RATING:**
Use the Reversing High Peak Torque formula in Step 1B.
 $1.5 \times 17\,000 \text{ Nm} = 25\,500 \text{ Selection Torque}$
- 3. SIZE:** From Table 1, Size 1040G20 coupling with torque rating of 30 600 exceeds the selection torque of 25 500 Nm
- 4. CHECK:** The maximum bore of 160 mm, Table 13, Page 38, allowable speed of 3600 rpm and Dimension M of 145 mm, on Page 17, meet the requirements.



Quick Selection Method

1. SELECT COUPLING TYPE

The Type G20 coupling is the proper selection for most industrial applications. For quick disconnect couplings, especially suited for pump applications, consider the Type G32 spacer coupling. If an application requires a special purpose coupling, refer application details to the local Rexnord Representative.

2. DETERMINE SERVICE FACTOR

A. For MOTOR, TURBINE, or ENGINE driven applications, refer to Tables 4 and 5 on Page 14.

B. For BRAKE, HIGH PEAK LOAD, and Type GL slide coupling applications, refer to Formula Method on Page 11.

3. DETERMINE EQUIVALENT HORSEPOWER

Refer to Table 2 below. Under the actual motor kW required and opposite the service factor determined in Step 2, read the equivalent kW.

4. DETERMINE COUPLING SIZE

A. Refer to Table 3 below. Trace horizontally from the required speed to a value equal to or larger than the equivalent Kilowatts determined in Step 3. Read the coupling size at top of column.

B. Check shaft diameters against coupling maximum bores. If a larger bore is required, select a larger coupling.

TABLE 2 — Equivalent Power = (Actual kW x Service Factor)

| Service Factor † | Actual kW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-----------|------|------|------|-----|-----|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 0.25 | 0.37 | 0.55 | 0.75 | 1.1 | 1.5 | 2.2 | 3 | 4 | 5.5 | 7.5 | 9.2 | 11 | 15 | 18.5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 150 | 185 | 200 | 220 | 250 | 300 | 330 |
| 1.00 | 0.25 | 0.37 | 0.55 | 0.75 | 1.1 | 1.5 | 2.2 | 3 | 4 | 5.5 | 7.5 | 9.2 | 11 | 15 | 18.5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 132 | 150 | 185 | 200 | 220 | 250 | 300 | 330 |
| 1.25 | 0.31 | 0.46 | 0.69 | 0.9 | 1.4 | 1.9 | 2.8 | 3.8 | 5 | 6.9 | 9.4 | 11.5 | 13.8 | 18.8 | 23.1 | 27.5 | 37.5 | 46.3 | 56.3 | 68.8 | 93.8 | 113 | 138 | 165 | 188 | 231 | 250 | 275 | 313 | 375 | 413 |
| 1.50 | 0.38 | 0.56 | 0.83 | 1.1 | 1.7 | 2.3 | 3.3 | 4.5 | 6.0 | 8.3 | 11.3 | 13.8 | 16.5 | 22.5 | 27.8 | 33.0 | 45.0 | 55.5 | 67.5 | 82.5 | 113 | 135 | 165 | 198 | 225 | 278 | 300 | 330 | 375 | 450 | 495 |
| 1.75 | 0.44 | 0.65 | 0.96 | 1.3 | 1.9 | 2.6 | 3.9 | 5.3 | 7.0 | 9.6 | 13.1 | 16.1 | 19.3 | 26.3 | 32.4 | 38.5 | 52.5 | 64.8 | 78.8 | 96.3 | 131 | 158 | 193 | 231 | 263 | 324 | 350 | 385 | 438 | 525 | 578 |
| 2.00 | 0.50 | 0.74 | 1.1 | 1.5 | 2.2 | 3.0 | 4.4 | 6.0 | 8.0 | 11.0 | 15.0 | 18.4 | 22.0 | 30.0 | 37.0 | 44.0 | 60.0 | 74.0 | 90.0 | 110 | 150 | 180 | 220 | 264 | 300 | 370 | 400 | 440 | 500 | 600 | 660 |
| 2.50 | 0.63 | 0.93 | 1.4 | 1.9 | 2.8 | 3.8 | 5.5 | 7.5 | 10 | 13.8 | 18.8 | 23.0 | 27.5 | 37.5 | 46.3 | 55.0 | 75.0 | 92.5 | 113 | 138 | 188 | 225 | 275 | 330 | 375 | 463 | 500 | 550 | 625 | 750 | 825 |
| 3.00 | 0.75 | 1.1 | 1.7 | 2.3 | 3.3 | 4.5 | 6.6 | 9.0 | 12 | 16.5 | 22.5 | 27.6 | 33.0 | 45.0 | 55.5 | 66.0 | 90.0 | 111 | 135 | 165 | 225 | 270 | 330 | 396 | 450 | 555 | 600 | 660 | 750 | 900 | 990 |
| 3.50 | 0.88 | 1.3 | 1.9 | 2.6 | 3.9 | 5.3 | 7.7 | 10.5 | 14 | 19.3 | 26.3 | 32.2 | 38.5 | 52.5 | 64.8 | 77.0 | 105 | 130 | 158 | 193 | 263 | 315 | 385 | 462 | 525 | 648 | 700 | 770 | 875 | 1050 | 1155 |

† For service factors not listed. Equivalent kW = Actual kW x Service Factor.

TABLE 3 — Coupling Selection . . . Based on Equivalent kW Ratings

| | 1010G | 1015G | 1020G | 1025G | 1030G | 1035G | 1040G | 1045G | 1050G | 1055G | 1060G | 1070G |
|-------------------------------|------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|---------|
| Max Bore (G10/G20), mm | 50 | 65 | 78 | 98 | 111 | 134 | 160 | 183 | 200 | 220 | 244 | 289 |
| Max Speed (G10/G20) | 8 000 | 6 500 | 5 600 | 5 000 | 4 400 | 3 900 | 3 600 | 3 200 | 2 900 | 2 650 | 2 450 | 2 150 |
| Torque (N-m) | 1 140 | 2 350 | 4 270 | 7 470 | 12 100 | 18 500 | 30 600 | 42 000 | 56 600 | 74 000 | 90 400 | 135 000 |
| kW / rpm | 0,119 | 0,246 | 0,447 | 0,783 | 1,27 | 1,94 | 3,21 | 4,40 | 5,93 | 7,75 | 9,47 | 14,2 |
| RPM | kW Ratings | | | | | | | | | | | |
| 4500 | 536 | 1110 | 2010 | 3520 | | | | | | | | |
| 3600 | 428 | 886 | 1610 | 2820 | 4570 | 6980 | 11600 | | | | | |
| 3000 | 357 | 738 | 1340 | 2350 | 3810 | 5820 | 9630 | 13200 | | | | |
| 2500 | 298 | 615 | 1120 | 1960 | 3180 | 4850 | 8030 | 11000 | 14800 | 19400 | | |
| 2100 | 250 | 517 | 939 | 1640 | 2670 | 4070 | 6740 | 9240 | 12500 | 16300 | 19900 | 29800 |
| 1800 | 214 | 443 | 805 | 1410 | 2290 | 3490 | 5780 | 7920 | 10700 | 14000 | 17000 | 25600 |
| 1750 | 208 | 431 | 782 | 1370 | 2220 | 3400 | 5620 | 7700 | 10400 | 13600 | 16600 | 24900 |
| 1450 | 173 | 357 | 648 | 1140 | 1840 | 2810 | 4650 | 6380 | 8600 | 11200 | 13700 | 20600 |
| 1170 | 139 | 288 | 523 | 916 | 1490 | 2270 | 3760 | 5150 | 6940 | 9070 | 11100 | 16600 |
| 1000 | 119 | 246 | 447 | 783 | 1270 | 1940 | 3210 | 4400 | 5930 | 7750 | 9470 | 14200 |
| 870 | 104 | 214 | 389 | 681 | 1100 | 1690 | 2790 | 3830 | 5160 | 6740 | 8240 | 12400 |
| 720 | 85.7 | 177 | 322 | 564 | 914 | 1400 | 2310 | 3170 | 4270 | 5580 | 6820 | 10200 |
| 650 | 77.4 | 160 | 291 | 509 | 826 | 1260 | 2090 | 2860 | 3850 | 5040 | 6160 | 9230 |
| 580 | 69.0 | 143 | 259 | 454 | 737 | 1130 | 1860 | 2550 | 3440 | 4500 | 5490 | 8240 |
| 520 | 61.9 | 128 | 232 | 407 | 660 | 1010 | 1670 | 2290 | 3080 | 4030 | 4920 | 7380 |
| 420 | 50.0 | 103 | 188 | 329 | 533 | 815 | 1350 | 1850 | 2490 | 3260 | 3980 | 5960 |
| 350 | 41.7 | 86.1 | 156 | 274 | 445 | 679 | 1120 | 1540 | 2080 | 2710 | 3310 | 4970 |
| 280 | 33.3 | 68.9 | 125 | 219 | 356 | 543 | 899 | 1230 | 1660 | 2170 | 2650 | 3980 |
| 230 | 27.4 | 56.6 | 103 | 180 | 292 | 446 | 738 | 1010 | 1360 | 1780 | 2180 | 3270 |
| 190 | 22.6 | 46.7 | 84.9 | 149 | 241 | 369 | 610 | 836 | 1130 | 1470 | 1800 | 2700 |
| 155 | 18.4 | 38.1 | 69.3 | 121 | 197 | 301 | 498 | 682 | 919 | 1200 | 1470 | 2200 |
| 125 | 14.9 | 30.8 | 55.9 | 97.9 | 159 | 243 | 401 | 550 | 741 | 969 | 1180 | 1780 |
| 100 | 11.9 | 24.6 | 44.7 | 78.3 | 127 | 194 | 321 | 440 | 593 | 775 | 947 | 1420 |
| 84 | 10.0 | 20.7 | 37.5 | 65.8 | 107 | 163 | 270 | 370 | 498 | 651 | 795 | 1190 |



C. Check the required speed against the allowable speed of the coupling selected. If a higher speed is required, refer complete details to the local Rexnord Representative.

D. Check dimensions . . . Dimension M in particular.

EXAMPLE:

Select a gear coupling to connect the low speed shaft of a gear drive to a belt conveyor. The motor is 250 kW and the low speed shaft RPM is 68. The gear drive shaft is 160 mm and the conveyor shaft is 180 mm.

SELECTION:

1. To connect close coupled shafts and to accommodate anticipated shaft misalignment, the double engagement Type G20 coupling shown on Page 19, is the selection.
2. From Table 4 on Page 14, the service factor is 1.0.
3. From Table 2, Page 12, the equivalent power is 250 kW.
4. From Table 3 below, the coupling size is 1045G for 68 rpm. From the table on Page 19, the maximum bore of 183 mm, and allowable speed of 3200 rpm are all satisfactory. Check other dimensional information on Page 19 against the available shaft lengths, shaft gaps, and diameter restrictions.

TABLE 3 — Coupling Selection . . . Based on Equivalent kW Ratings (Continued)

| | 1010G | 1015G | 1020G | 1025G | 1030G | 1035G | 1040G | 1045G | 1050G | 1055G | 1060G | 1070G |
|------------------------------|-------------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Max Bore (G10/G20) mm | 50 | 65 | 78 | 98 | 111 | 134 | 160 | 183 | 200 | 220 | 244 | 289 |
| Max Speed (G10/G20) | 8 000 | 6 500 | 5 600 | 5 000 | 4 400 | 3 900 | 3 600 | 3 200 | 2 900 | 2 650 | 2 450 | 2 150 |
| Torque (N-m) | 1 140 | 2 350 | 4 270 | 7 470 | 12 100 | 18 500 | 30 600 | 42 000 | 56 600 | 74 000 | 90 400 | 135 000 |
| kW / rpm | 0,119 | 0,246 | 0,447 | 0,783 | 1,27 | 1,94 | 3,21 | 4,40 | 5,93 | 7,75 | 9,47 | 14,2 |
| RPM | kW Ratings | | | | | | | | | | | |
| 68 | 8.09 | 16.7 | 30.4 | 53.2 | 86.4 | 132 | 218 | 299 | 403 | 527 | 644 | 966 |
| 56 | 6.66 | 13.8 | 25.0 | 43.8 | 71.1 | 109 | 180 | 246 | 332 | 434 | 530 | 795 |
| 45 | 5.36 | 11.1 | 20.1 | 35.2 | 57.2 | 87.3 | 144 | 198 | 267 | 349 | 426 | 639 |
| 37 | 4.40 | 9.10 | 16.5 | 29.0 | 47.0 | 71.8 | 119 | 163 | 219 | 287 | 350 | 525 |
| 30 | 3.57 | 7.38 | 13.4 | 23.5 | 38.1 | 58.2 | 96.3 | 132 | 178 | 233 | 284 | 426 |
| 25 | 2.98 | 6.15 | 11.2 | 19.6 | 31.8 | 48.5 | 80.3 | 110 | 148 | 194 | 237 | 355 |
| 20 | 2.38 | 4.92 | 8.94 | 15.7 | 25.4 | 38.8 | 64.2 | 88.0 | 119 | 155 | 189 | 284 |
| 16.5 | 1.96 | 4.06 | 7.38 | 12.9 | 21.0 | 32.0 | 53.0 | 72.6 | 97.8 | 128 | 156 | 234 |
| 13.5 | 1.61 | 3.32 | 6.03 | 10.6 | 17.1 | 26.2 | 43.3 | 59.4 | 80.1 | 105 | 128 | 192 |
| 11 | 1.31 | 2.71 | 4.92 | 8.61 | 14.0 | 21.3 | 35.3 | 48.4 | 65.2 | 85.3 | 104 | 156 |
| 9 | 1.07 | 2.21 | 4.02 | 7.05 | 11.4 | 17.5 | 28.9 | 39.6 | 53.4 | 69.8 | 85.2 | 128 |
| 7.5 | 0.893 | 1.85 | 3.35 | 5.87 | 9.53 | 14.6 | 24.1 | 33.0 | 44.5 | 58.1 | 71.0 | 107 |
| 5 | 0.595 | 1.23 | 2.24 | 3.92 | 6.35 | 9.70 | 16.1 | 22.0 | 29.7 | 38.8 | 47.4 | 71.0 |



Service Factors

TABLE 4 — Gear Coupling Service Factors for Motor and Turbine Drives

Service factors listed are typical values based on normal operation of the drive systems.

Alphabetical listing of applications

| | Service Factor |
|--|------------------|
| AERATOR | 2.0 |
| AGITATORS | |
| Vertical and Horizontal | |
| Screw, Propeller, Paddle | 1.0 |
| BARGE HAUL PULLER | 1.5 |
| BLOWERS | |
| Centrifugal | 1.0 |
| Lobe or Vane | 1.25 |
| CAR DUMPERS | 2.5 |
| CAR PULLERS | 1.5 |
| CLARIFIER OR CLASSIFIER | 1.0 |
| COMPRESSORS | |
| Centrifugal | 1.0 |
| Rotary, Lobe or Vane | 1.25 |
| Rotary, Screw | 1.0 |
| Reciprocating | |
| Direct Connected | Refer to Factory |
| Without Flywheel | Refer to Factory |
| *With Flywheel and Gear between Compressor and Prime Mover | |
| 1 cylinder, single acting | 3.0 |
| 1 cylinder, double acting | 3.0 |
| 2 cylinders, single acting | 3.0 |
| 2 cylinders, double acting | 3.0 |
| 3 cylinders, single acting | 3.0 |
| 3 cylinders, double acting | 2.0 |
| 4 or more cyl., single act. | 1.75 |
| 4 or more cyl., double act. | 1.75 |
| CONVEYORS | |
| Apron, Assembly, Belt, Chain, Flight, Screw | 1.0 |
| Bucket | 1.25 |
| Live Roll, Shaker and Reciprocating | 3.0 |
| CRANES AND HOIST | |
| Main Hoist | 1.75 |
| Skip Hoist | 1.75 |
| Slope | 1.5 |
| Bridge, Travel or Trolley | 1.75 |
| DYNAMOMETER | 1.0 |
| ELEVATORS | |
| Bucket, Centrifugal Discharge | 1.25 |
| Freight or Passenger | Not Approved |
| Gravity Discharge | 1.25 |
| ESCALATORS Not Approved | |
| EXCITER, GENERATOR | 1.0 |
| EXTRUDER, PLASTIC | 1.5 |
| FANS | |
| Centrifugal | 1.0 |
| Cooling Tower | 2.0 |
| Forced Draft — Across the Line start | 1.5 |
| Forced Draft Motor Driven thru fluid or electric slip clutch | 1.0 |
| Gas Recirculating | 1.5 |
| Induced Draft with damper control or blade cleaner | 1.25 |
| Induced Draft without controls | 2.0 |
| FEEDERS | |
| Apron, Belt, Disc, Screw | 1.0 |
| Reciprocating | 2.5 |
| GENERATORS | |
| Even Load | 1.0 |
| Hoist or Railway Service | 1.5 |
| Welder Load | 2.0 |
| HAMMERMILL | 1.75 |

♦ Add .25 to the required service factor for Type GL slide coupling applications where axial movement occurs more than 5 times per hour. When electric motors, generators, engines, compressors and other machines are fitted with sleeve or straight roller bearings, use limited axial end float couplings to protect the bearings. Order limited end float discs with the coupling.

* For balanced opposed design, refer to the Factory.

▲ If people are occasionally transported, refer to the Factory for the selection of the proper size coupling.

♣ For high peak load applications (such as Metal Rolling Mills) refer to the Factory.

TABLE 5 — Engine Drive Service Factors

Service Factors for engine drives are those required for applications where good flywheel regulation prevents torque fluctuations greater than ±20%. For drives where torque fluctuations are greater or where the operation is near a serious critical or torsional vibration, a mass elastic study is necessary.

| No. of Cylinders | 4 or 5 | | | | 6 or more | | | | | | | |
|------------------|--------|------|------|------|-----------|------|------|------|------|------|-----|-----|
| | S.F. | S.F. | S.F. | S.F. | S.F. | S.F. | S.F. | S.F. | S.F. | | | |
| Table 1 S.F. | 1.0 | 1.25 | 1.5 | 1.75 | 2.0 | 2.5 | 1.0 | 1.25 | 1.5 | 1.75 | 2.0 | 2.5 |
| Engine S.F. | 2.0 | 2.25 | 2.5 | 2.75 | 3.0 | 3.5 | 1.5 | 1.75 | 2.0 | 2.25 | 2.5 | 3.0 |







♥ To use Table 5, first determine application service factor from Table 4. Use that factor to determine ENGINE Service Factor from Table 5. When service factor from Table 4 is greater than 2.5, refer complete application details to the Factory for engineering review.

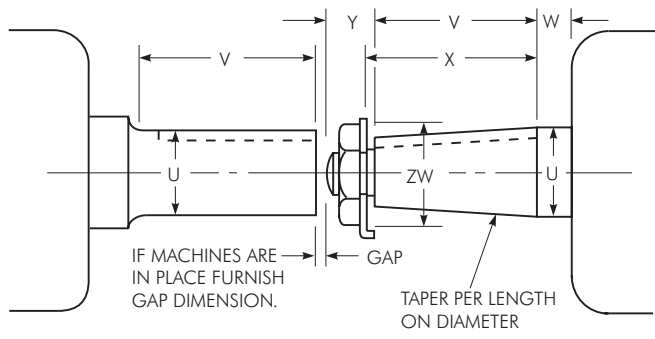
Alphabetical listing of industries

| | Service Factor |
|--|---------------------|
| AGGREGATE PROCESSING, CEMENT, MINING KILNS; TUBE, ROD AND BALL MILLS | |
| Direct or on L.S. shaft of | |
| Reducer, with final drive | |
| Machined Spur Gears | 2.0 |
| Single Helical or Herringbone Gears | 1.75 |
| Conveyors, Feeders, Screens, Elevators | See General Listing |
| Crushers, Ore or Stone | 2.5 |
| Dryer, Rotary | 1.75 |
| Grizzly | 2.0 |
| Hammermill or Hog | 1.75 |
| Tumbling Mill or Barrel | 1.75 |
| BREWING AND DISTILLING | |
| Bottle and Can Filling Machines | 1.0 |
| Brew Kettle | 1.0 |
| Cookers, Continuous Duty | 1.25 |
| Lauter Tub | 1.5 |
| Mash Tub | 1.25 |
| Scale Hopper, Frequent Peaks | 1.75 |
| CLAY WORKING INDUSTRY | |
| Brick Press, Briquette Machine, Clay Working Machine, Pug Mill | 1.75 |
| DREDGES | |
| Cable Reel | 1.75 |
| Conveyors | 1.25 |
| Cutter head, Jig Drive | 2.0 |
| Maneuvering Winch | 1.5 |
| Pumps (uniform load) | 1.5 |
| Screen Drive, Stacker | 1.75 |
| Utility Winch | 1.5 |
| FOOD INDUSTRY | |
| Beef Slicer | 1.75 |
| Bottling, Can Filling Machine | 1.0 |
| Cereal Cooker | 1.25 |
| Dough Mixer, Meat Grinder | 1.75 |
| LUMBER | |
| Band Resaw | 1.5 |
| Circular Resaw, Cut-off | 1.75 |
| Edger, Head Rig, Hog | 2.0 |
| Gang Saw (Reciprocating) | Refer to Factory |
| Log Haul | 2.0 |
| Planer | 1.75 |
| Rolls, Non-Reversing | 1.25 |
| Rolls, Reversing | 2.0 |
| Sawdust Conveyor | 1.25 |
| Slab Conveyor | 1.75 |
| Sorting Table | 1.5 |
| Trimmer | 1.75 |
| METAL ROLLING MILLS | |
| Coilers (Up or Down) Cold Mills only | 1.5 |
| Coilers (Up or Down) Hot Mills only | 2.0 |
| Coke Plants | |
| Pusher Ram Drive | 2.5 |
| Door Opener | 2.0 |
| Pusher or Larry Car | |
| Traction Drive | 3.0 |
| Continuous Caster | 1.75 |
| Cold Mills — | |
| Strip Mills | Refer to Factory |
| Temper Mills | Refer to Factory |
| Cooling Beds | 1.5 |
| Drawbench | 2.0 |
| Feed Rolls - Blooming Mills | 3.0 |
| Furnace Pushers | 2.0 |
| Hot and Cold Saws | 2.0 |
| Hot Mills — | |
| Strip or Sheet Mills | Refer to Factory |
| Reversing Blooming | Refer to Factory |
| or Slabbing Mills | Refer to Factory |
| Edger Drives | Refer to Factory |
| Ingot Cars | 2.0 |
| Manipulators | 3.0 |
| Merchant Mills | Refer to Factory |
| Mill Tables | |
| Roughing Breakdown Mills | 3.0 |
| Hot Bed or Transfer, non-reversing | 1.5 |
| Runout, reversing | 3.0 |
| Runout, non-reversing, non-plugging | 2.0 |
| Reel Drives | 1.75 |
| Rod Mills | Refer to Factory |
| Screwdown | 2.0 |
| Seamless Tube Mills | |
| Piercer | 3.0 |
| Thrust Block | 2.0 |
| Tube Conveyor Rolls | 2.0 |
| Reeler | 2.0 |
| Kick Out | 2.0 |
| Shear Croppers | Refer to Factory |
| Sidguards | 3.0 |
| SKelp Mills | Refer to Factory |
| Slitters, Steel Mill Only | 1.75 |
| Soaking Pit Cover Drives — | |
| Lift | 1.0 |
| Travel | 2.0 |
| Straighteners | 2.0 |
| Unscramblers (Billet Bundle Busters) | 2.0 |
| Wire Drawing Machinery | 1.75 |
| OIL INDUSTRY | |
| Chiller | 1.25 |
| Oilwell Pumping (not over 150% peak torque) | 2.0 |
| Paraffin Filter Press | 1.5 |
| Rotary Kiln | 2.0 |
| PAPER MILLS | |
| Barker Auxiliary, Hydraulic | 2.0 |
| Barker, Mechanical | 2.0 |
| Barking Drum L.S. shaft of reducer with final drive - Helical or Herringbone Gear | 2.0 |
| Machined Spur Gear | 2.5 |
| Cast Tooth Spur Gear | 3.0 |
| Beater & Pulper | 1.75 |
| Bleachers, Coaters | 1.0 |
| Calender & Super Calender | 1.75 |
| Chipper | 2.5 |
| Converting Machine | 1.25 |
| Couch | 1.75 |
| Cutter, Felt Whipper | 2.0 |
| Cylinder | 1.75 |
| Dryer | 1.75 |
| Felt Stretcher | 1.25 |
| Fourdrinier | 1.75 |
| Jordan | 2.0 |
| Log Haul | 2.0 |
| Line Shaft | 1.5 |
| Press | 1.75 |
| Pulp Grinder | 1.75 |
| Reel, Rewinder, Winder | 1.5 |
| Stock Chest, Washer, Thickener | 1.5 |
| Stock Pumps, Centrifugal Constant Speed | 1.0 |
| Frequent Speed Changes Under Load | 1.25 |
| Suction Roll | 1.75 |
| Vacuum Pumps | 1.25 |
| RUBBER INDUSTRY | |
| Calender | 2.0 |
| Cracker, Plasticator | 2.5 |
| Extruder | 1.75 |
| Intensive or Banbury Mixer | 2.5 |
| Mixing Mill, Refiner or Sheeter | |
| One or two in line | 2.5 |
| Three or four in line | 2.0 |
| Five or more in line | 1.75 |
| Tire Building Machine | 2.5 |
| Tire & Tube Press Opener (Peak Torque) | 1.0 |
| Tuber, Strainer, Pelletizer | 1.75 |
| Warming Mill | |
| One or two Mills in line | 2.0 |
| Three or more Mills in line | 1.75 |
| Washer | 2.5 |
| SEWAGE DISPOSAL EQUIPMENT | |
| Bar Screen, Chemical Feeders, Collectors, Dewatering Screen, Grit Collector | 1.0 |
| SUGAR INDUSTRY | |
| Cane Carrier & Leveler | 1.75 |
| Cane Knife & Crusher | 2.0 |
| Mill Stands, Turbine Driver With all helical or Herringbone gears | 1.5 |
| Electric Drive or Steam Engine Drive with Helical, Herringbone, or Spur Gears with any Prime Mover | 1.75 |
| TEXTILE INDUSTRY | |
| Batcher | 1.25 |
| Calender, Card Machine | 1.5 |
| Cloth Finishing Machine | 1.5 |
| Dry Can, Loom | 1.5 |
| Dyeing Machinery | 1.25 |
| Knitting Machine | Refer to Falk |
| Mangle, Napper, Soaper | 1.25 |
| Spinner, Tenter Frame, Winder | 1.5 |

SERVICE FACTORS: are a guide, based on experience of the ratio between coupling catalog rating and system characteristics. The system characteristics are best measured with a torque meter.

TABLE 6 — Service Factors

| Torque Demands Driven Machine | Typical applications for electric motor or turbine driven equipment | Typical Service Factor |
|---|---|-----------------------------|
|  | Constant Torque such as Centrifugal Pumps, Blowers, and Compressors. | 1.0 |
|  | Continuous duty with some torque variations including Extruders, Forced Draft Fans. | 1.5 |
|  | Light shock loads from Briquetting Machine, Rubber Calender, or Crane and Hoist. | 2.0 |
|  | Moderate shock loading as expected from a Car Dumper, Ball Mill, or Vibrating Screen. | 2.5 |
|  | Heavy shock load with some negative torques from Crushers, Hammer Mill, and Barking Drum. | 3.0 |
|  | Applications like Reciprocating Compressors with frequent torque reversals, which do not necessarily cause reverse rotations. | Consult Rexnord Engineering |



How to Order

The following information is necessary to quote or ship to your exact requirements. Prompt service is assured if this information is given on your inquiry or order.

1. Application: Drive & Driven
2. Power: Normal kW, Maximum kW or Torque (Nm)
3. Speed (RPM)
4. Quantity
5. Coupling Size and Type, Horizontal, Vertical; e. g., Size 1010, Type G20
6. Shaft gap or distance between shaft ends (BE Dimension)
7. Bore Sizes will be furnished as per Table 35 on Page 55 unless specified differently.
8. Shaft Dimensions as follows:

For Straight Shafts

| | | | |
|----------------------|------------------|---------------------|------------------|
| Driving Shaft | Diameter U _____ | Driven Shaft | Diameter U _____ |
| | Length V _____ | | Length V _____ |
| | Keyway _____ | | Keyway _____ |

NOTE: Provide shaft tolerances if different than those shown in Table 25, on Page 51. For other shaft/bore requirements, consult the Factory.

For Taper Shafts: Specify if keyway is to be parallel to the axis or to the bore.

| | |
|------------------|----------------------|
| Diameter U _____ | Across Flats _____ |
| Length V _____ | Corners ZW _____ |
| Length W _____ | Taper per Foot _____ |
| Length X _____ | Keyway _____ |
| Length Y _____ | |

General Information

- Rexnord standards apply unless otherwise specified.
- Dimensions are for reference only and are subject to change without notice unless specified.
- Unless otherwise specified, coupling hubs will be bored for an INTERFERENCE FIT without a setscrew. Clearance fit hubs with a setscrew can be supplied if specified.

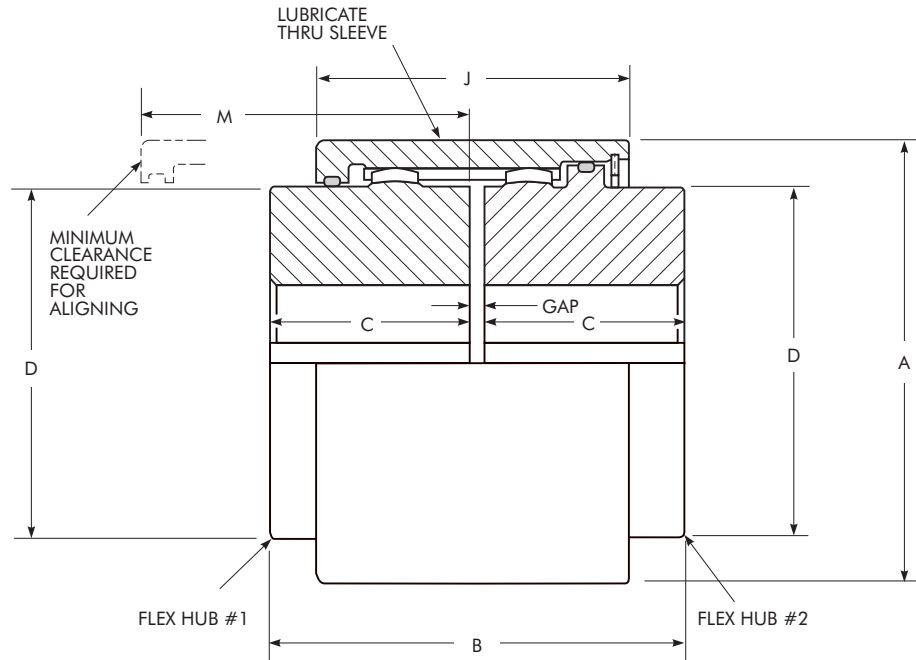
Reference Notes

- † Peak torque capacity is two times the published rating.
- ‡ Consult Factory for higher speeds. Balancing may allow up to a 50% increase in speeds shown.
- Maximum bores are reduced for hubs furnished with an INTERFERENCE FIT and a setscrew over the keyway. Maximum bores may also be reduced when puller bolt holes are required. Refer to Tables 13 & 14 on Page 38. Bore capacities can be increased beyond values shown if the coupling torque rating is reduced. Refer to the Factory. Recommended key sizes for the listed maximum bores are shown in Table 11, Page 37, and Table 24, Page 51.
- Minimum bore is the smallest bore to which a RSB (rough stock bore) hub can be bored. Depending upon coupling size, rough stock bore hubs may have only a blind centering hole or a through hole that will permit remachining of the hubs to the minimum bores specified.



Type GC02 Continuous Sleeve

Double Engagement/Dimensions — Millimeters

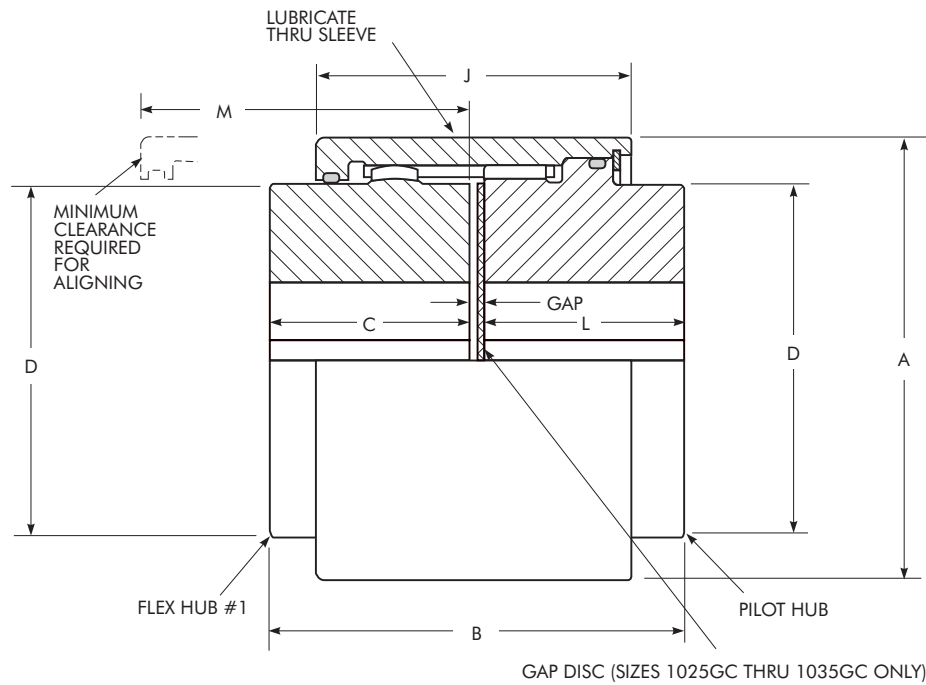


| SIZE ★ | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | Min. Bore (mm) ▫ | Cplg Wt With No Bore (kg) | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | SIZE ★ |
|-----------|----------------------------|-------------------------|-----------------------|------------------------|------------------------------------|--------------------|--------------------------|-------|-------|-------|-------|-----|-----|-----------|
| | | | | | | | A | B | C | D | J | M | Gap | |
| 1010GC | 1 140 | 5300 | 50 | 12,7 | 3,45 | 0,0113 | 88,9 | 88,8 | 42,9 | 68,6 | 61,2 | 65 | 3 | 1010GC |
| 1015GC | 2 350 | 4300 | 65 | 19,0 | 6,17 | 0,0283 | 109,2 | 101,6 | 49,3 | 86,4 | 76,2 | 81 | 3 | 1015GC |
| 1020GC | 4 270 | 3700 | 78 | 25,4 | 11,3 | 0,0425 | 132,1 | 127,0 | 62,0 | 105,2 | 94,5 | 99 | 3 | 1020GC |
| 1025GC | 7 470 | 3300 | 98 | 31,8 | 21,3 | 0,0652 | 163,6 | 159,0 | 77,0 | 130,6 | 109,1 | 116 | 5 | 1025GC |
| 1030GC | 12 100 | 2900 | 111 | 38,1 | 34,0 | 0,0936 | 190,5 | 187,4 | 91,2 | 152,4 | 119,9 | 126 | 5 | 1030GC |
| 1035GC | 18 500 | 2600 | 134 | 50,8 | 51,7 | 0,1219 | 215,9 | 218,8 | 106,4 | 177,8 | 133,5 | 140 | 6 | 1035GC |

★ See Page 15 for General Information and Reference Notes.

Type GC05 Continuous Sleeve

Single Engagement/Dimensions — Millimeters



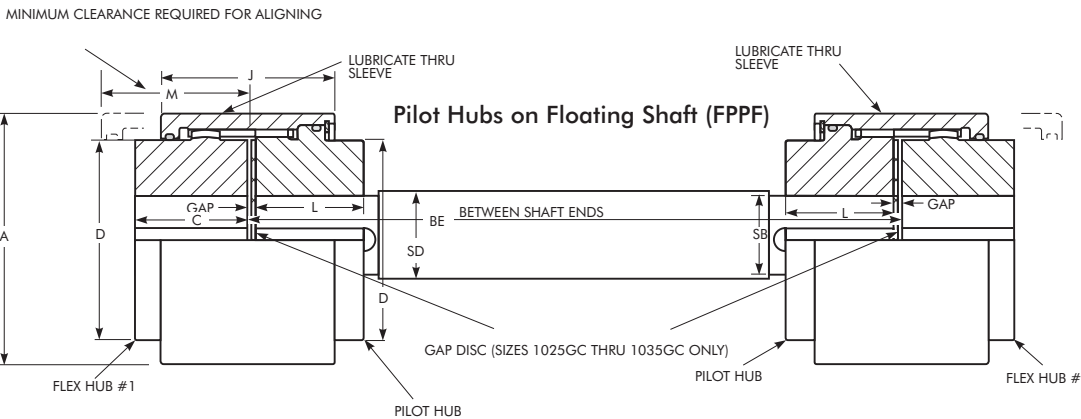
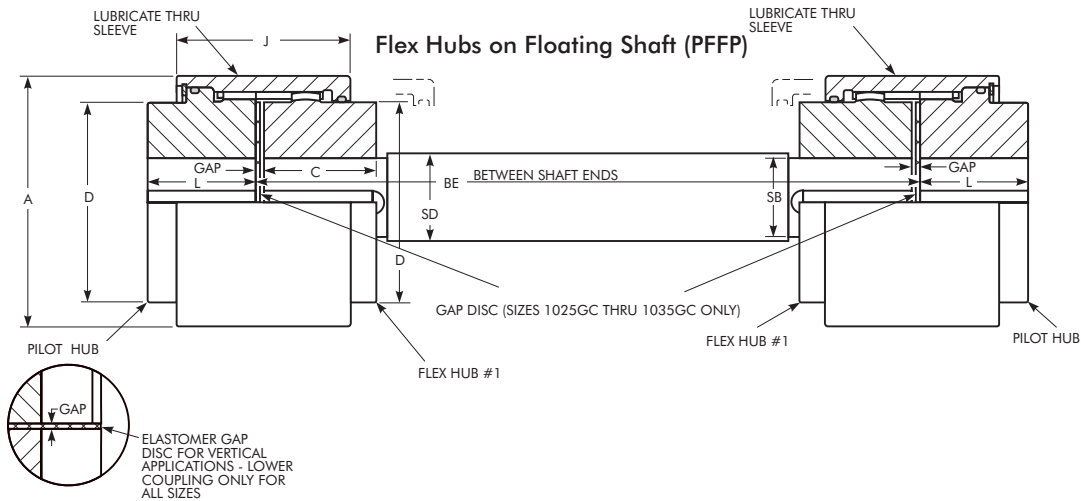
| SIZE ★ | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | Min. Bore (mm) ▣ | Cplg Wt With No Bore (kg) | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | SIZE ★ |
|-----------|----------------------------|-------------------------|-----------------------|------------------------|------------------------------------|--------------------|--------------------------|-------|-------|-------|-------|-------|-----|-----|-----------|
| | | | | | | | A | B | C | D | J | L | M | Gap | |
| 1010GC | 1 140 | 5300 | 50 | 12,7 | 3,49 | 0,00850 | 88,9 | 88,9 | 42,9 | 68,6 | 61,2 | 42,9 | 65 | 3 | 1010GC |
| 1015GC | 2 350 | 4300 | 65 | 19,0 | 6,40 | 0,0198 | 109,2 | 103,6 | 49,3 | 86,4 | 76,2 | 51,1 | 81 | 3 | 1015GC |
| 1020GC | 4 270 | 3700 | 78 | 25,4 | 11,7 | 0,0312 | 132,1 | 128,8 | 62,0 | 105,2 | 94,5 | 63,8 | 99 | 3 | 1020GC |
| 1025GC | 7 470 | 3300 | 98 | 31,8 | 21,8 | 0,0522 | 163,6 | 158,8 | 77,0 | 130,6 | 109,1 | 77,0 | 116 | 5 | 1025GC |
| 1030GC | 12 100 | 2900 | 111 | 38,1 | 34,6 | 0,0730 | 190,5 | 187,2 | 91,2 | 152,4 | 119,9 | 91,2 | 126 | 5 | 1030GC |
| 1035GC | 18 500 | 2600 | 134 | 50,8 | 52,2 | 0,0957 | 215,9 | 219,2 | 106,4 | 177,8 | 133,5 | 106,4 | 140 | 6 | 1035GC |

★ See Page 15 for General Information and Reference Notes.



Type GC05 Continuous Sleeve

Floating Shaft Single Engagement/Dimensions — Millimeters



MINIMUM CLEARANCE REQUIRED FOR ALIGNING

| SIZE * | Assembly Torque Rating Nm † | Max Bore (mm) * | Min Bore (mm) † | Wt - Each Cplg w/o Bore (kg) | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | SIZE * | |
|--------|-----------------------------|-----------------|-----------------|------------------------------|--------------|--------------------------|--------|-------|-------|-------|-------|-------|-----|--------|--------|
| | | | | | | A | BE Min | | C | D | J | L | M | | Gap |
| | | | | | | | PF-FP | FP-PF | | | | | | | |
| 1010GC | 1 140 | 50 | 12,7 | 3,49 | 0,00850 | 88,9 | 190 | 92,2 | 42,9 | 68,6 | 61,2 | 42,9 | 65 | 3 | 1010GC |
| 1015GC | 2 350 | 65 | 19,0 | 6,40 | 0,0198 | 109,2 | 235 | 104,9 | 49,3 | 86,4 | 76,2 | 51,1 | 81 | 3 | 1015GC |
| 1020GC | 4 270 | 78 | 25,4 | 11,7 | 0,0312 | 132,1 | 290 | 130,3 | 62,0 | 105,2 | 94,5 | 63,8 | 99 | 3 | 1020GC |
| 1025GC | 7 470 | 98 | 31,8 | 21,8 | 0,0522 | 163,6 | 338 | 163,6 | 77,0 | 130,6 | 109,1 | 77,0 | 116 | 5 | 1025GC |
| 1030GC | 12 100 | 111 | 38,1 | 34,6 | 0,0730 | 190,5 | 368 | 192,0 | 91,2 | 152,4 | 119,9 | 91,2 | 126 | 5 | 1030GC |
| 1035GC | 18 500 | 134 | 50,8 | 52,2 | 0,0957 | 215,9 | 413 | 225,6 | 106,4 | 177,8 | 133,5 | 106,4 | 140 | 6 | 1035GC |

| SIZE * | Assembly Torque Rating ▲ Nm † | SB Shaft End Diameter (mm) | SD Shaft Diameter (mm) | Weight (kg per mm) | WR ² (KgM ² per mm) | Maximum BE (mm) for Various RPM's* | | | | | | | SIZE * |
|--------|-------------------------------|----------------------------|------------------------|--------------------|---|------------------------------------|-------|-------|-------|-------|-------|-------------|--------|
| | | | | | | 1750 | 1430 | 1170 | 870 | 720 | 580 | 540 or Less | |
| 1010G | 439 | 38,1 | 39,7 | 0,00964 | 0,00000196 | 1 371 | 1 524 | 1 676 | 1 955 | 2 159 | 2 387 | 2 463 | 1010G |
| | 1 140 | 47,6 | 50,8 | 0,0159 | 0,00000518 | 1 549 | 1 727 | 1 905 | 2 209 | 2 438 | 2 717 | 2 794 | |
| 1015G | 1 169 | 50,8 | 54,0 | 0,0179 | 0,00000657 | 1 600 | 1 778 | 1 955 | 2 286 | 2 514 | 2 794 | 2 870 | 1015G |
| | 2 350 | 60,3 | 63,5 | 0,0248 | 0,0000126 | 1 752 | 1 930 | 2 133 | 2 463 | 2 717 | 3 022 | 3 124 | |
| 1020G | 2 282 | 63,5 | 66,7 | 0,0273 | 0,0000152 | 1 778 | 1 981 | 2 184 | 2 540 | 2 794 | 3 098 | 3 200 | 1020G |
| | 4 270 | 73,0 | 76,2 | 0,0357 | 0,0000259 | 1 905 | 2 108 | 2 336 | 2 717 | 2 971 | 3 237 | 3 429 | |
| 1025G | 4 463 | 79,4 | 82,6 | 0,0420 | 0,0000357 | 1 981 | 2 209 | 2 438 | 2 819 | 3 098 | 3 454 | 3 556 | 1025G |
| | 7 470 | 92,1 | 95,2 | 0,0559 | 0,0000634 | 2 133 | 2 362 | 2 616 | 3 022 | 3 327 | 3 708 | 3 835 | |
| 1030G | 8 508 | 98,4 | 101,6 | 0,0636 | 0,0000820 | 2 209 | 2 438 | 2 692 | 3 124 | 3 454 | 3 835 | 3 962 | 1030G |
| | 12 100 | 104,8 | 108,0 | 0,0718 | 0,000104 | 2 260 | 2 514 | 2 794 | 3 225 | 3 556 | 3 962 | 4 064 | |
| 1035G | 13 333 | 114,3 | 120,6 | 0,0896 | 0,000163 | 2 413 | 2 667 | 2 946 | 3 403 | 3 759 | 4 191 | 4 292 | 1035G |
| | 18 500 | 123,8 | 127,0 | 0,0993 | 0,000200 | 2 463 | 2 717 | 3 022 | 3 505 | 3 860 | 4 292 | 4 419 | |

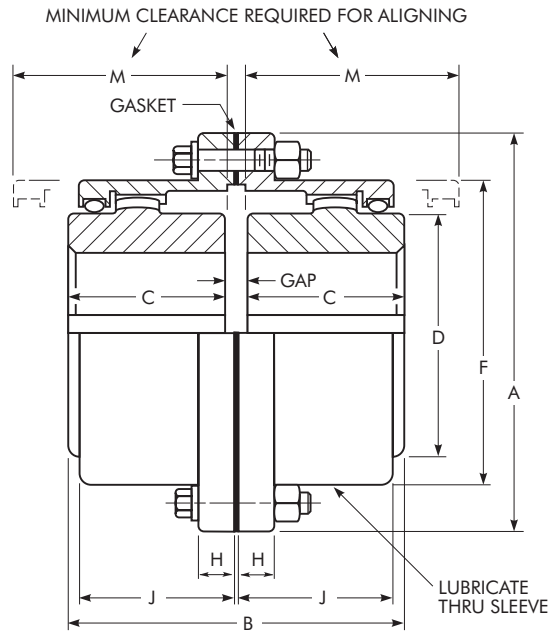
* Refer to Page 15 for General Information and Reference Notes.

▲ Limited by coupling size, shaft end diameter or both. Refer to Page 22 for selection procedure.

♣ Interpolate for intermediate speeds. Maximum BE is based on 70% of critical speed. Refer to the Factory for higher running speeds.

Type G20 Standard Flanged Sleeve

Double Engagement/Dimensions — Millimeters



For Sizes 1010G thru 1055G, Type G10 Shrouded Bolts furnished only when specified on order.

| SIZE * | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | Min Bore (mm) ■ | Cplg Wt With No Bore-kg | | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | SIZE * | |
|--------|----------------------|-------------------|-----------------|-----------------|-------------------------|------|--------------|--------------------------|-------|-------|-------|-------|------|-------|-----|--------|-------|
| | | | | | G10 | G20 | | A | B | C | D | F | H | J | M | | Gap |
| 1010G | 1 140 | 8000 | 50 | 13 | 4,08 | 4,54 | 0,0408 | 115,9 | 88,9 | 42,9 | 68,6 | 83,8 | 14,0 | 38,9 | 51 | 3 | 1010G |
| 1015G | 2 350 | 6500 | 65 | 20 | 7,71 | 9,07 | 0,0726 | 152,4 | 101,6 | 49,3 | 86,4 | 105,2 | 19,0 | 47,8 | 61 | 3 | 1015G |
| 1020G | 4 270 | 5600 | 78 | 26 | 13,6 | 15,9 | 0,113 | 177,8 | 127,0 | 62,0 | 105,2 | 126,5 | 19,0 | 59,4 | 77 | 3 | 1020G |
| 1025G | 7 470 | 5000 | 98 | 32 | 24,9 | 29,5 | 0,2127 | 212,7 | 158,9 | 77,0 | 130,6 | 154,9 | 21,8 | 71,6 | 92 | 5 | 1025G |
| 1030G | 12 100 | 4400 | 111 | 39 | 38,6 | 43,1 | 0,363 | 239,7 | 187,4 | 91,2 | 152,4 | 180,3 | 21,8 | 83,8 | 107 | 5 | 1030G |
| 1035G | 18 500 | 3900 | 134 | 51 | 61,2 | 68,0 | 0,544 | 279,4 | 218,9 | 106,4 | 177,8 | 211,3 | 28,4 | 97,5 | 130 | 6 | 1035G |
| 1040G | 30 600 | 3600 | 160 | 64 | 88,5 | 97,5 | 0,907 | 317,5 | 247,3 | 120,6 | 209,6 | 245,4 | 28,4 | 111,3 | 145 | 6 | 1040G |
| 1045G | 42 000 | 3200 | 183 | 77 | 127 | 136 | 1,04 | 346,1 | 277,7 | 134,9 | 235,0 | 274,1 | 28,4 | 122,9 | 166 | 8 | 1045G |
| 1050G | 56 600 | 2900 | 200 | 89 | 177 | 191 | 1,77 | 388,9 | 314,3 | 153,2 | 254,0 | 305,8 | 38,1 | 140,7 | 183 | 8 | 1050G |
| 1055G | 74 000 | 2650 | 220 | 102 | 238 | 249 | 2,22 | 425,4 | 344,3 | 168,1 | 279,4 | 334,3 | 38,1 | 158,0 | 204 | 8 | 1055G |
| 1060G | 90 400 | 2450 | 244 | 115 | ... | 306 | 3,18 | 457,2 | 384,4 | 188,2 | 304,8 | 366,0 | 25,4 | 169,2 | 229 | 8 | 1060G |
| 1070G | 135 000 | 2150 | 289 | 127 | ... | 485 | 4,35 | 527,0 | 451,5 | 220,7 | 355,6 | 424,9 | 28,4 | 195,6 | 267 | 10 | 1070G |

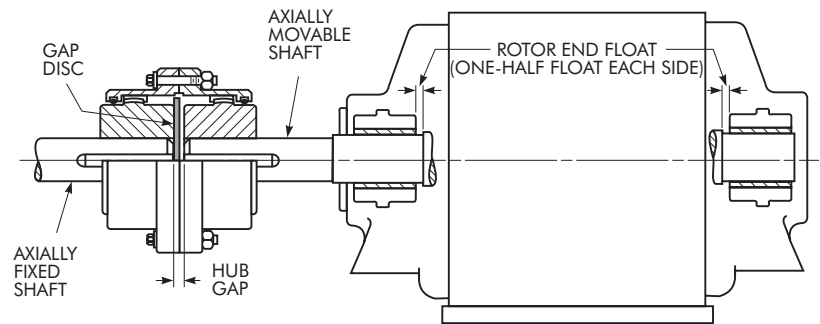
★ See Page 15 for General Information and other Reference Notes.

TABLE 7 — Limited End Float & Standard Gap Disc Dimensions

| SIZE | DIMENSIONS — Millimeters | | | | |
|-------|--------------------------|-------------|------------|-----|-----|
| | B | End Float ♦ | Gap Disc * | | Gap |
| | | | Thickness | Dia | |
| 1010G | 90,9 | 2,39 | 4 | 75 | 5 |
| 1015G | 103,6 | 2,39 | 4 | 94 | 5 |
| 1020G | 129,8 | 2,39 | 5 | 114 | 6 |
| 1025G | 162,3 | 2,39 | 7 | 141 | 8 |
| 1030G | 191,5 | 2,39 | 8 | 165 | 9 |
| 1035G | 223,3 | 4,78 | 8 | 192 | 10 |
| 1040G | 251,7 | 4,78 | 8 | 227 | 10 |
| 1045G | 283,2 | 4,78 | 11 | 253 | 13 |
| 1050G | 319,8 | 4,78 | 11 | 278 | 13 |
| 1055G | 350,5 | 4,78 | 12 | 305 | 14 |
| 1060G | 392,4 | 4,78 | 14 | 333 | 16 |
| 1070G | 459,7 | 4,78 | 16 | 384 | 18 |

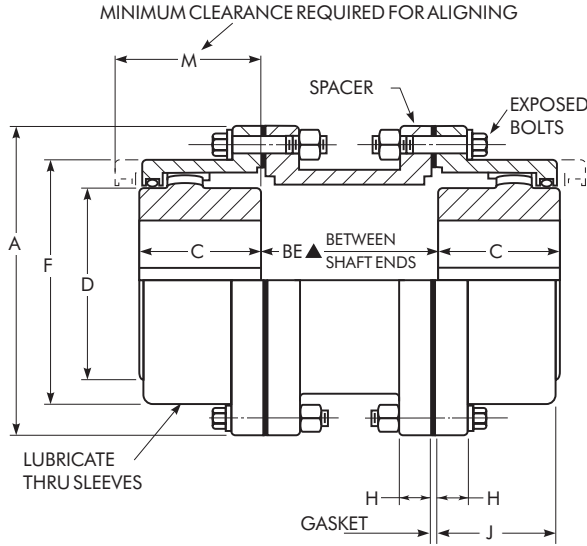
♦ If these values exceed one-half rotor end float or equivalent manufacturer's specification, refer to the Factory.

* Gap disc material: Neoprene, 70 durometer.



Type G32 Standard Flanged Sleeve Spacer/Dimensions — Millimeters

Without Limited End Float



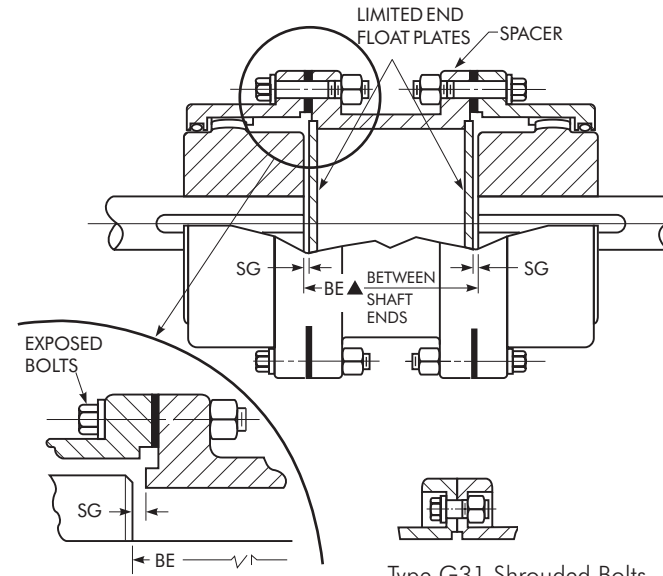
| SIZE | DIMENSIONS — Millimeters | | |
|------------------|--------------------------|--------|-------------------------------|
| | End Float † | SG | Addition to Stock BE Length * |
| 1015G | 2,4 | 0,5969 | 2,2 |
| 1020G | 2,4 | 0,5969 | 2,7 |
| 1025G | 2,4 | 0,5969 | 3,7 |
| 1030G | 2,4 | 0,5969 | 4,7 |
| 1035G | 4,8 | 1,19 | 4,7 |
| 1040G thru 1070G | 4,8 | 1,19 | None |

† Refer to the Factory if these values exceed one-half the rotor end float or the equipment manufacturers' specifications.
* Couplings with stock spacers and limited end float must add applicable addition to the BE (Between Shaft Ends) dimension.

| SIZE | BE Spacers in Stock — mm | | | | |
|-------|--------------------------|-----|-----|-----|-----|
| | 89 | 111 | 114 | 127 | 178 |
| 1010G | • | • | • | • | • |
| 1015G | • | • | • | • | • |
| 1020G | • | • | • | • | • |
| 1025G | • | • | • | • | • |
| 1030G | • | • | • | • | • |
| 1035G | • | • | • | • | • |

◆ Bolt holes staggered for assembly clearance.

With Limited End Float
(Refer to drawing at left for balance of dimensions.)



NON-STOCK SPACER DESIGN
SIZES 1010 THRU 1070G32.

Type G31 Shrouded Bolts
furnished only when specified on order.

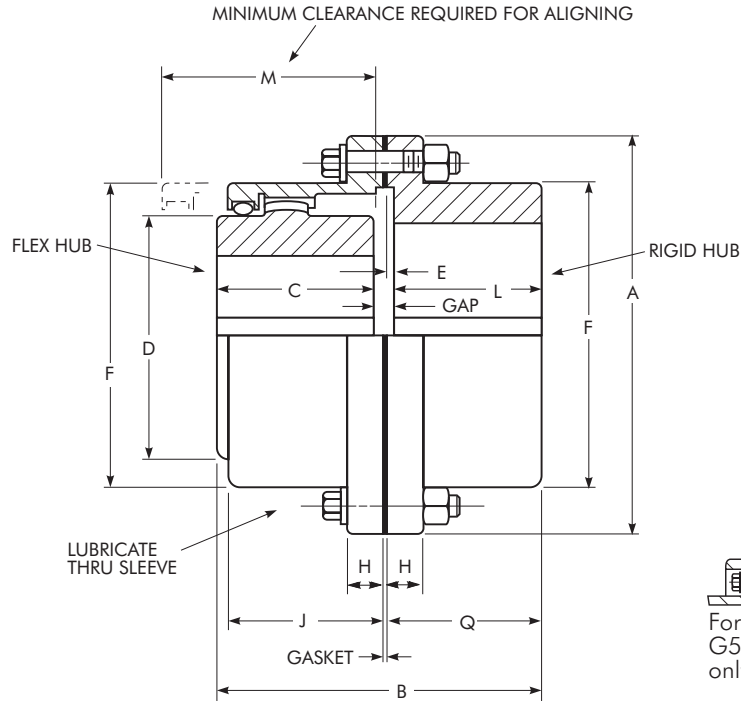
| SIZES * | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | Min Bore (mm) ■ | Coupling Wt.-kg | | Lube Wt.-kg | | DIMENSIONS — Millimeters | | | | | | | | | | SIZE * |
|---------|----------------------|-------------------|-----------------|-----------------|---------------------------------|----------------------------------|--------------------|------------------------------|--------------------------|----------|-----|--------|-------|-------|-------|------|-------|-----|--------|
| | | | | | Cplg Wt With No Bore and Min BE | Extra Spacer Wt per mm of Length | Min Wt Less Spacer | Plus per mm of Spacer Length | A | BE Min ▲ | | BE Max | C | D | F | H | J | M | |
| | | | | | | | | | | G31 | G32 | | | | | | | | |
| 1010G | 1 140 | 7000 | 50 | 13 | 6,80 | 0,0120 | 0,0408 | ... | 115,9 | 82 | 82 | 311 | 42,9 | 68,6 | 83,8 | 14,0 | 38,9 | 48 | 1010G |
| 1015G | 2 350 | 5500 | 65 | 20 | 13,6 | 0,0127 | 0,0726 | ... | 152,4 | 82 | 82 | 311 | 49,3 | 86,4 | 105,2 | 19,0 | 47,8 | 56 | 1015G |
| 1020G | 4 270 | 4600 | 78 | 26 | 20,4 | 0,0166 | 0,113 | 0,000536 | 177,8 | 82 | 82 | 311 | 62,0 | 105,2 | 126,5 | 19,0 | 59,4 | 69 | 1020G |
| 1025G | 7 470 | 4000 | 98 | 32 | 38,6 | 0,0205 | 0,227 | 0,00107 | 212,7 | 108 | 95 | 311 | 77,0 | 130,6 | 154,9 | 21,8 | 71,6 | 81 | 1025G |
| 1030G | 12 100 | 3600 | 111 | 39 | 54,4 | 0,0236 | 0,363 | 0,00107 | 239,7 | 108 | 95 | 311 | 91,2 | 152,4 | 180,3 | 21,8 | 83,8 | 94 | 1030G |
| 1035G | 18 500 | 3100 | 134 | 51 | 88,5 | 0,0359 | 0,544 | 0,00214 | 279,4 | 130 | 120 | 311 | 106,4 | 177,8 | 211,3 | 28,4 | 97,5 | 107 | 1035G |
| 1040G | 30 600 | 2800 | 160 | 64 | 122,5 | 0,0500 | 0,907 | 0,00357 | 317,5 | 130 | 120 | 311 | 120,6 | 209,6 | 245,4 | 28,4 | 111,3 | 122 | 1040G |
| 1045G | 42 000 | 2600 | 183 | 77 | 166 | 0,0736 | 1,04 | 0,00357 | 346,1 | 130 | 120 | 311 | 134,9 | 235,0 | 274,1 | 28,4 | 122,9 | 135 | 1045G |
| 1050G | 56 600 | 2400 | 200 | 89 | 238 | 0,0814 | 1,77 | 0,00357 | 388,9 | 184 | 146 | 311 | 153,2 | 254,0 | 305,8 | 38,1 | 140,7 | 152 | 1050G |
| 1055G | 74 000 | 2200 | 220 | 102 | 306 | 0,0895 | 2,22 | 0,00357 | 425,4 | 184 | 146 | 311 | 168,1 | 279,4 | 334,3 | 38,1 | 158,0 | 173 | 1055G |
| 1060G | 90 400 | 2100 | 244 | 115 | 358 | 0,117 | 3,18 | 0,00357 | 457,2 | ... | 146 | 311 | 188,2 | 304,8 | 366,0 | 25,4 | 169,2 | 183 | 1060G |
| 1070G | 135 000 | 1800 | 289 | 127 | 562 | 0,141 | 4,35 | 0,00357 | 527,0 | ... | 146 | 311 | 220,7 | 355,6 | 424,9 | 28,4 | 195,6 | 208 | 1070G |

★ See Page 15 for General Information and other Reference Notes.
▲ BE is the distance between shaft ends whether standard (stock) or special spacer lengths are used.



Type G52 Standard Flanged Sleeve

Single Engagement/Dimensions — Millimeters



For Sizes 1010G thru 1055G, Type G51 Shrouded Bolts furnished only when specified on order.

| SIZE ★ | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | | Min Bore (mm) ■ | Cplg Wt With No Bore-kg | | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | | | | SIZE ★ | |
|-----------|----------------------------|-------------------------|--------------------|--------------|--------------------------|----------------------------|------|--------------------|--------------------------|-------|-------|-------|-----|-------|------|-------|-------|-----|-------|-----------|-------|
| | | | Flex Hub | Rigid Hub | | G51 | G52 | | A | B | C | D | E | F | H | J | L | M | Q | | Gap |
| | | | | | | | | | | | | | | | | | | | | | |
| 1010G | 1 140 | 8000 | 50 | 65 | 13 | 4,08 | 4,54 | 0,0227 | 115,9 | 86,6 | 42,9 | 68,6 | 2,5 | 83,8 | 14,0 | 38,9 | 39,6 | 51 | 42,2 | 4 | 1010G |
| 1015G | 2 350 | 6500 | 65 | 80 | 20 | 8,16 | 9,07 | 0,0408 | 152,4 | 99,6 | 49,3 | 86,4 | 2,5 | 105,2 | 19,0 | 47,8 | 46,2 | 61 | 48,8 | 4 | 1015G |
| 1020G | 4 270 | 5600 | 78 | 98 | 26 | 13,6 | 15,9 | 0,0680 | 177,8 | 124,5 | 62,0 | 105,2 | 2,5 | 126,5 | 19,0 | 59,4 | 58,4 | 76 | 61,0 | 4 | 1020G |
| 1025G | 7 470 | 5000 | 98 | 118 | 32 | 24,9 | 27,2 | 0,118 | 212,7 | 155,4 | 77,0 | 130,6 | 2,5 | 154,9 | 21,8 | 71,6 | 73,7 | 91 | 76,2 | 5 | 1025G |
| 1030G | 12 100 | 4400 | 111 | 140 | 39 | 38,6 | 43,1 | 0,181 | 239,7 | 183,9 | 91,2 | 152,4 | 2,5 | 180,3 | 21,8 | 83,8 | 87,9 | 107 | 90,4 | 5 | 1030G |
| 1035G | 18 500 | 3900 | 134 | 163 | 51 | 61,2 | 68,0 | 0,272 | 279,4 | 214,1 | 106,4 | 177,8 | 2,5 | 211,3 | 28,4 | 97,5 | 102,1 | 130 | 104,6 | 6 | 1035G |
| 1040G | 30 600 | 3600 | 160 | 196 | 64 | 90,7 | 99,8 | 0,467 | 317,5 | 242,8 | 120,6 | 209,6 | 4,1 | 245,4 | 28,4 | 111,3 | 115,3 | 145 | 119,4 | 7 | 1040G |
| 1045G | 42 000 | 3200 | 183 | 216 | 77 | 129,3 | 136 | 0,557 | 346,1 | 273,1 | 134,9 | 235,0 | 4,1 | 274,1 | 28,4 | 122,9 | 130,6 | 165 | 134,6 | 8 | 1045G |
| 1050G | 56 600 | 2900 | 200 | 235 | 89 | 181,4 | 195 | 0,907 | 388,9 | 309,1 | 153,2 | 254,0 | 5,1 | 305,8 | 38,1 | 140,7 | 147,3 | 183 | 152,4 | 9 | 1050G |
| 1055G | 74 000 | 2650 | 220 | 266 | 102 | 251,7 | 263 | 1,13 | 425,4 | 349,5 | 168,1 | 279,4 | 5,1 | 334,3 | 38,1 | 158,0 | 172,7 | 203 | 177,8 | 9 | 1055G |
| 1060G | 90 400 | 2450 | 244 | 290 | 115 | ... | 324 | 1,70 | 457,2 | 385,1 | 188,2 | 304,8 | 6,6 | 366,0 | 25,4 | 169,2 | 186,4 | 229 | 193,0 | 10 | 1060G |
| 1070G | 135 000 | 2150 | 289 | 340 | 127 | ... | 508 | 2,27 | 527,0 | 453,6 | 220,7 | 355,6 | 8,4 | 424,9 | 28,4 | 195,6 | 220,2 | 267 | 228,6 | 13 | 1070G |

★ See Page 15 for General Information and other Reference Notes.



Type G52 Standard Flanged Sleeve Floating Shafts/Dimensions — Millimeters

A standard floating shaft assembly consists of two standard single engagement couplings, two gap discs and a connecting shaft.

A floating shaft can eliminate the need for additional bearing supports along the shaft because the shaft is supported at the ends by connected equipment through the single engagement couplings.

Flex Hubs on Floating Shaft (RFFR)

Assembly of the flex hubs on the floating shaft allows for easier replacement in case of wear and allows the rigid hubs with their increased bore capacity to be used on the connected equipment shafts. This frequently means a smaller coupling size can be utilized.

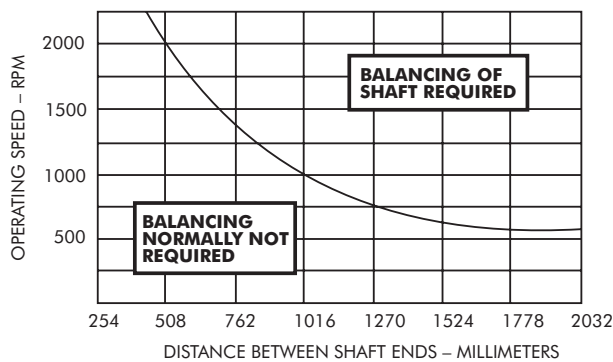
Rigid Hubs on Floating Shaft (FRRF)

When the rigid hubs are on the floating shaft, shorter shaft spans can be accommodated, since no cover drawback is required. Since the flex hubs are outboard, the points of articulation are further apart, providing greater offset misalignment capacity.

Solid Floating Shaft Selection

Single Engagement Type G52/GV52 couplings are used with floating shafts in either horizontal or vertical applications. For vertical applications select a Type GV coupling for the lower coupling assembly. Select floating shafts as follows:

1. Use the Standard or Formula Selection Methods, Pages 10-11 to select the couplings. Record the System Torque from standard selection method or Selection Torque from formula selection method.
2. From table below select a shaft diameter that has an assembly torque rating equal to or greater than the system or selection torque determined in coupling selection.
3. Check maximum "BE" for the shaft diameter selected and running speed for shaft length required from table below. Refer to graph at left to determine if shaft requires balancing.
4. If the application shaft length exceeds the maximum "BE" listed, select the next larger shaft diameter or the next larger size coupling. Consult the Factory for higher speeds or longer shaft lengths than listed below.



NOTE: For conditions that require a larger size coupling, consider a Tubular Shaft Design, refer complete application details to your local Rexnord Representative.

| SIZE ★ | Assembly Torque Rating ▲ Nm † | Floating Shafts — Millimeters | | | | | | | | | | |
|-----------|--|-------------------------------------|---------------------------------|---------------------|---|-------------------------------------|-------|-------|-------|-------|-------|-------------------|
| | | SB Shaft End Diameter (mm) | SD Shaft Diameter (mm) | Wt.-kg per mm | WR ² kgm ² per mm | Maximum BE (mm) for Various RPM's * | | | | | | |
| | | | | | | 1750 | 1430 | 1170 | 870 | 720 | 580 | 540 or less |
| 1010G | 493 | 38,1 | 39,7 | 0,00964 | 0,00000196 | 1 371 | 1 524 | 1 676 | 1 955 | 2 159 | 2 387 | 2 463 |
| | 1 140 | 47,6 | 50,8 | 0,0159 | 0,00000518 | 1 549 | 1 727 | 1 905 | 2 209 | 2 438 | 2 717 | 2 794 |
| 1015G | 1 169 | 50,8 | 54,0 | 0,0179 | 0,00000657 | 1 600 | 1 778 | 1 955 | 2 286 | 2 514 | 2 794 | 2 870 |
| | 2 349 | 60,3 | 76,2 | 0,0248 | 0,0000126 | 1 752 | 1 930 | 2 133 | 2 463 | 2 717 | 3 022 | 3 124 |
| 1020G | 2 282 | 63,5 | 66,7 | 0,0273 | 0,0000152 | 1 778 | 1 981 | 2 184 | 2 540 | 2 794 | 3 098 | 3 200 |
| | 4 271 | 73,0 | 95,2 | 0,0557 | 0,0000259 | 1 905 | 2 108 | 2 336 | 2 717 | 2 971 | 3 327 | 3 429 |
| 1025G | 4 463 | 79,4 | 82,6 | 0,0420 | 0,0000357 | 1 981 | 2 209 | 2 438 | 2 819 | 3 098 | 3 454 | 3 556 |
| | 7 474 | 92,1 | 95,2 | 0,0559 | 0,0000634 | 2 133 | 2 362 | 2 616 | 3 022 | 3 237 | 3 708 | 3 835 |
| 1030G | 8 508 | 98,4 | 101,6 | 0,0636 | 0,0000820 | 2 209 | 2 438 | 2 692 | 3 124 | 3 454 | 3 835 | 3 962 |
| | 12 101 | 104,8 | 127,0 | 0,0718 | 0,000104 | 2 260 | 2 514 | 2 794 | 3 225 | 3 556 | 3 962 | 4 064 |
| 1035G | 13 333 | 114,3 | 120,6 | 0,0896 | 0,000163 | 2 413 | 2 667 | 2 946 | 3 403 | 3 759 | 4 191 | 4 292 |
| | 18 508 | 123,8 | 146,0 | 0,0993 | 0,000200 | 2 463 | 2 717 | 3 022 | 3 505 | 3 860 | 4 292 | 4 419 |
| 1040G | 24 327 | 139,7 | 146,0 | 0,131 | 0,000350 | 2 641 | 2 921 | 3 251 | 3 759 | 4 140 | 4 597 | 4 749 |
| | 30 609 | 146,0 | 165,1 | 0,143 | 0,000415 | 2 692 | 2 997 | 3 302 | 3 835 | 4 216 | 4 699 | 4 851 |
| 1045G | 31 581 | 152,4 | 165,1 | 0,168 | 0,000572 | 2 819 | 3 124 | 3 454 | 3 987 | 4 394 | 4 902 | 5 029 |
| | 41 999 | 171,5 | 203,2 | 0,254 | 0,00131 | 3 124 | 3 454 | 3 810 | 4 445 | 4 876 | 5 435 | 5 588 |
| 1050G | 37 886 | 161,9 | 165,1 | 0,168 | 0,000572 | 2 819 | 3 124 | 3 454 | 3 987 | 4 394 | 4 902 | 5 029 |
| | 56 597 | 187,3 | 203,2 | 0,254 | 0,00131 | 3 124 | 3 454 | 3 810 | 4 445 | 4 876 | 5 435 | 5 588 |
| 1055G | 37 886 | 161,9 | 165,1 | 0,168 | 0,000572 | 2 819 | 3 124 | 3 454 | 3 987 | 4 394 | 4 902 | 5 029 |
| | 74 031 | 200,0 | 203,2 | 0,254 | 0,00131 | 3 124 | 3 454 | 3 810 | 4 445 | 4 876 | 5 435 | 5 588 |
| 1060G | 71 410 | 200,0 | 203,2 | 0,254 | 0,00131 | 3 124 | 3 454 | 3 810 | 4 445 | 4 876 | 5 435 | 5 588 |
| | 90 404 | 215,9 | 217,4 | 0,291 | 0,00172 | 3 225 | 3 581 | 3 962 | 4 597 | 5 054 | 5 613 | 5 791 |
| 1070G | 71 410 | 200,0 | 203,2 | 0,254 | 0,00131 | 3 124 | 3 454 | 3 810 | 4 445 | 4 876 | 5 435 | 5 588 |
| | 135 250 | 241,3 | 242,8 | 0,363 | 0,00268 | 3 403 | 3 784 | 4 191 | 4 851 | 5 334 | 5 943 | 6 121 |

★ Refer to Page 15 for General Information and Reference Notes.

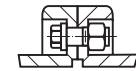
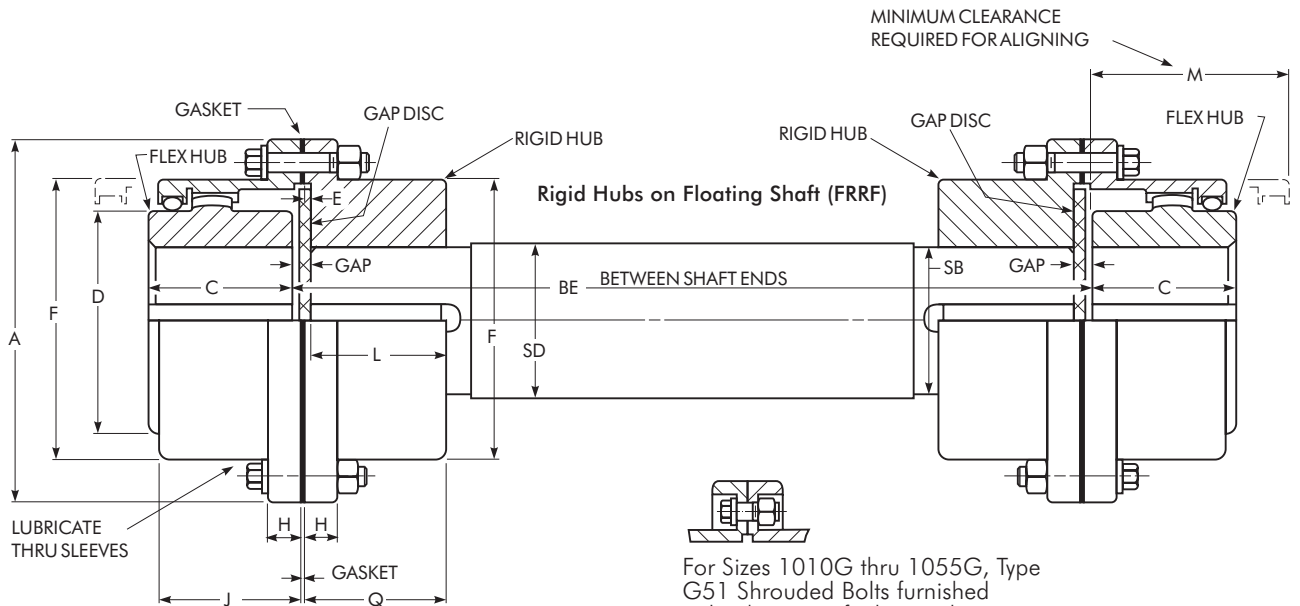
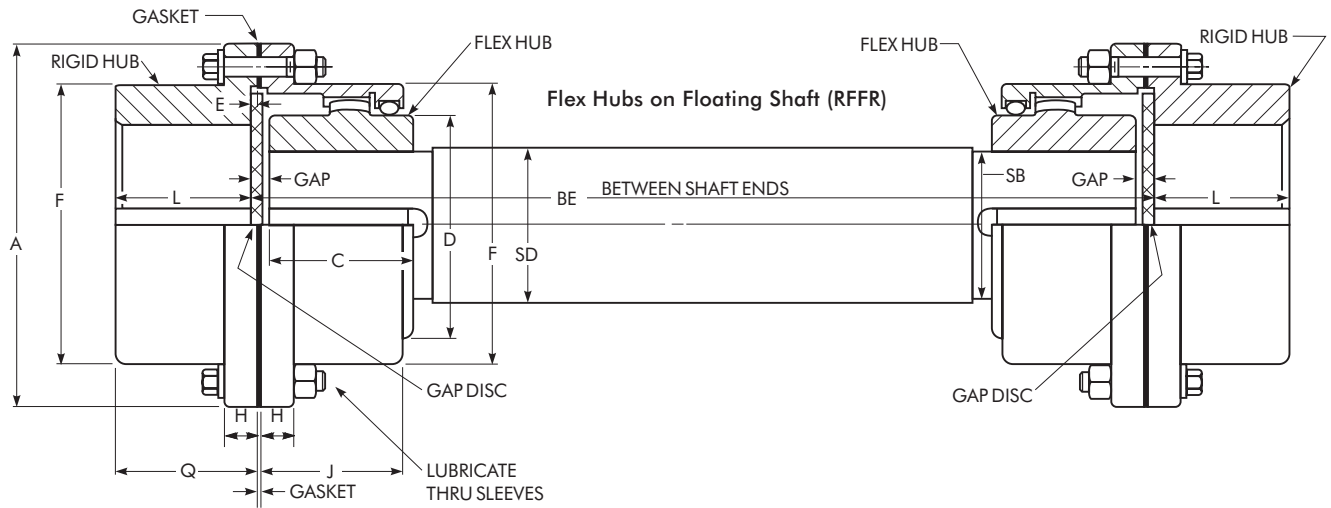
▲ Assembly torque rating is limited by coupling size, shaft end diameter or both.

* Interpolate for intermediate speeds. Maximum BE is based on 70% of critical speed. Refer to the Factory for higher running speeds.



Type G52 Standard Flanged Sleeve

Floating Shaft/Dimensions — Millimeters



For Sizes 1010G thru 1055G, Type G51 Shrouded Bolts furnished only when specified on order.

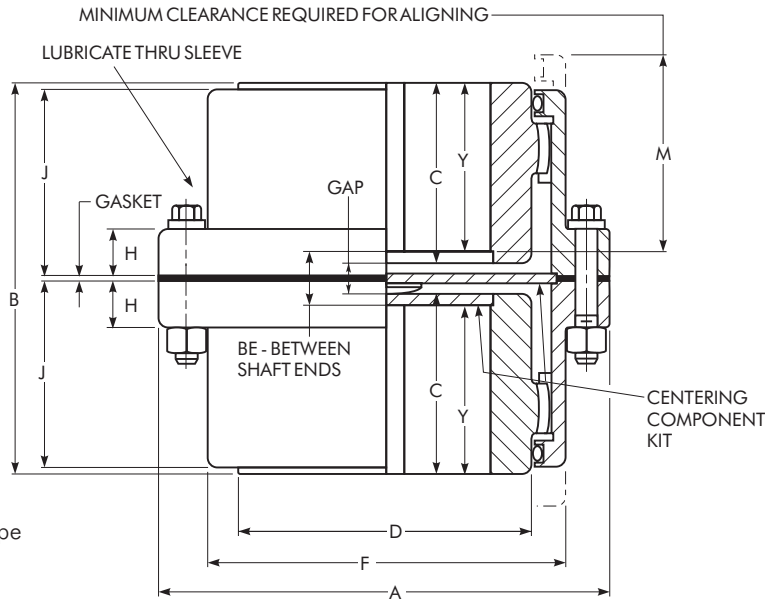
| SIZE ★ | Max Bore (mm) • | | Min Bore (mm) ■ | Wt—One Cplg No Bore—kg | | Lube Wt Per Cplg (kg) | DIMENSIONS — Millimeters | | | | | | | | | | | | |
|-----------|-----------------|-----------|-----------------|------------------------|------|-----------------------|--------------------------|--------|------|-------|-------|-----|-------|------|-------|-------|-----|-------|-----|
| | Flex Hub | Rigid Hub | | G51 | G52 | | A | BE Min | | C | D | E | F | H | J | L | M | Q | Gap |
| | | | | | | | | RFFR | FRRF | | | | | | | | | | |
| 1010G | 50 | 65 | 13 | 4,08 | 4,54 | 0,0227 | 115,9 | 133 | 92 | 42,9 | 68,6 | 2,5 | 83,8 | 14,0 | 38,9 | 39,6 | 48 | 42,2 | 4 |
| 1015G | 65 | 80 | 20 | 8,16 | 9,07 | 0,0408 | 152,4 | 159 | 105 | 49,3 | 86,4 | 2,5 | 105,2 | 19,0 | 47,8 | 46,2 | 56 | 48,8 | 4 |
| 1020G | 78 | 98 | 26 | 13,6 | 15,9 | 0,0680 | 177,8 | 197 | 129 | 62,0 | 105,2 | 2,5 | 126,5 | 19,0 | 59,4 | 58,4 | 69 | 61,0 | 4 |
| 1025G | 98 | 118 | 32 | 24,9 | 27,2 | 0,118 | 212,7 | 241 | 162 | 77,0 | 130,6 | 2,5 | 154,9 | 21,8 | 71,6 | 73,7 | 81 | 76,2 | 5 |
| 1030G | 111 | 140 | 39 | 38,6 | 43,1 | 0,181 | 239,7 | 279 | 189 | 91,2 | 152,4 | 2,5 | 108,3 | 21,8 | 83,8 | 87,9 | 94 | 90,4 | 5 |
| 1035G | 134 | 163 | 51 | 61,2 | 68,0 | 0,272 | 279,4 | 324 | 219 | 106,4 | 177,8 | 2,5 | 211,3 | 28,4 | 97,5 | 102,1 | 107 | 104,6 | 6 |
| 1040G | 160 | 196 | 64 | 90,7 | 99,8 | 0,467 | 317,5 | 419 | 248 | 120,6 | 209,6 | 4,1 | 245,4 | 28,4 | 111,3 | 115,3 | 122 | 119,4 | 7 |
| 1045G | 183 | 216 | 77 | 129,3 | 136 | 0,557 | 346,1 | 508 | 281 | 134,9 | 235,0 | 4,1 | 274,1 | 28,4 | 122,9 | 130,8 | 135 | 134,6 | 8 |
| 1050G | 200 | 235 | 89 | 181,4 | 195 | 0,907 | 388,9 | 533 | 316 | 153,2 | 254,0 | 5,1 | 305,8 | 38,1 | 140,7 | 147,3 | 152 | 152,4 | 9 |
| 1055G | 220 | 266 | 102 | 251,7 | 263 | 1,13 | 425,4 | 572 | 367 | 168,1 | 279,4 | 5,1 | 334,3 | 38,1 | 158,0 | 172,7 | 173 | 177,8 | 9 |
| 1060G | 244 | 290 | 115 | ... | 324 | 1,70 | 457,2 | 597 | 397 | 188,2 | 304,8 | 6,6 | 366,0 | 25,4 | 169,2 | 186,4 | 183 | 193,0 | 10 |
| 1070G | 289 | 340 | 127 | ... | 508 | 2,27 | 527,0 | 673 | 470 | 220,7 | 355,6 | 8,4 | 424,9 | 28,4 | 195,6 | 220,2 | 208 | 228,6 | 13 |

★ Refer to Page 15 for General Information and Reference Notes.



Type GV20 Standard Flanged Sleeve

Vertical Double Engagement/Dimensions — Millimeters



For Sizes 1010GV thru 1055GV, Type GV10 Shrouded Bolts furnished only when specified on order.

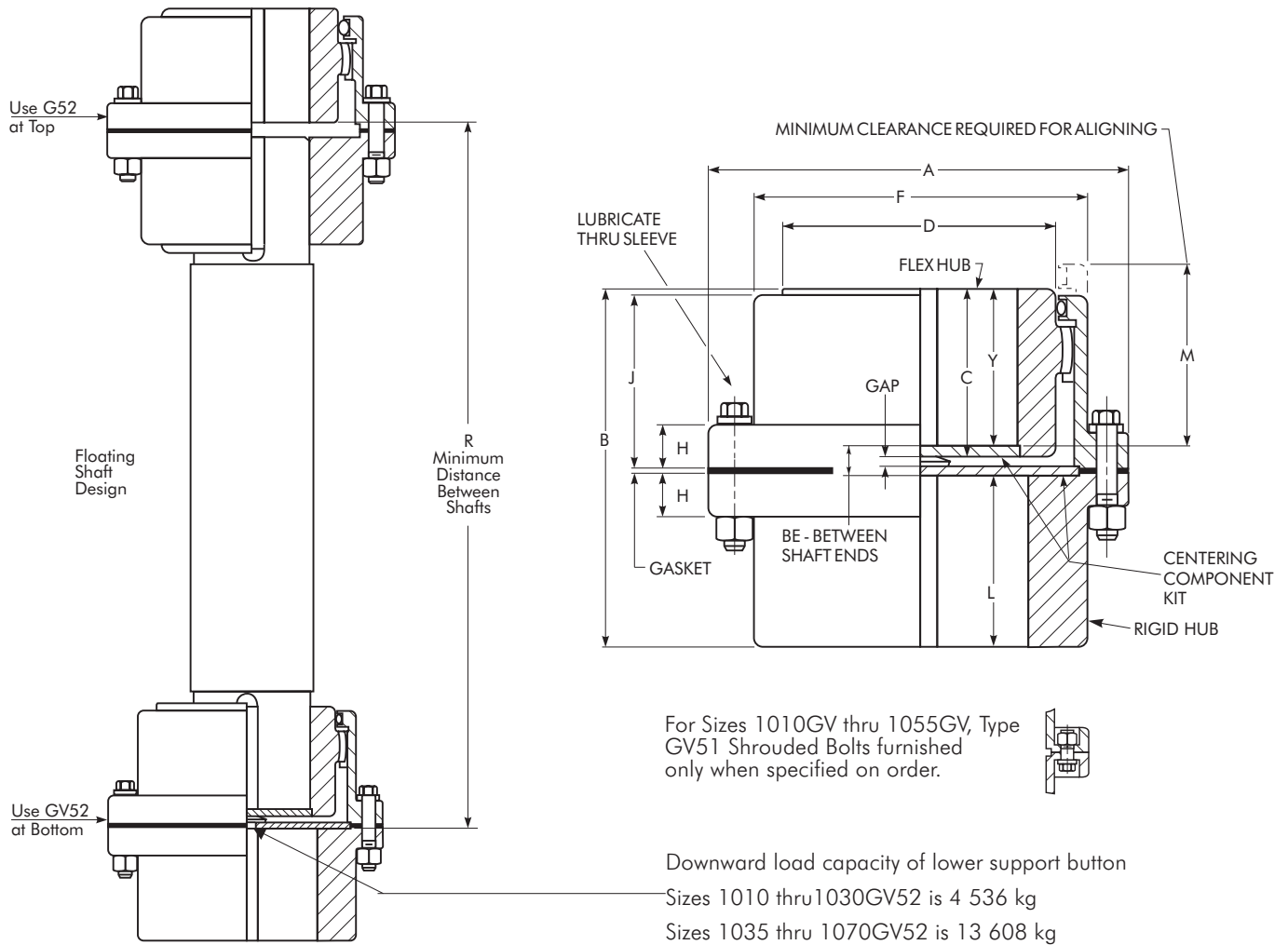
| SIZE ★ | Torque Rating (Nm) [†] | Allow Speed rpm | Max Bore (mm) • | Min Bore (mm) ▫ | Cplg Wt With No Bore-kg | | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | | | SIZE ★ | |
|-----------|---------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------|------|--------------------|--------------------------|-------|-------|-------|-------|------|-------|-----|-------|------|-----------|--------|
| | | | | | GV10 | GV20 | | A | B | C | D | F | H | J | M | Y | BE | | Gap |
| 1010GV | 1 140 | 8000 | 50 | 13 | 3,63 | 4,08 | 0,0816 | 115,9 | 88,9 | 38,9 | 68,6 | 83,8 | 14,0 | 38,9 | 46 | 32,5 | 23,9 | 11 | 1010GV |
| 1015GV | 2 350 | 6500 | 65 | 20 | 7,71 | 8,62 | 0,1361 | 152,4 | 101,1 | 45,0 | 86,4 | 105,2 | 19,0 | 47,8 | 56 | 38,6 | 23,9 | 11 | 1015GV |
| 1020GV | 4 270 | 5600 | 78 | 26 | 13,6 | 14,5 | 0,2268 | 177,8 | 126,5 | 57,7 | 105,2 | 126,5 | 19,0 | 59,4 | 71 | 51,3 | 23,9 | 11 | 1020GV |
| 1025GV | 7 470 | 5000 | 98 | 32 | 23,6 | 26,3 | 0,4082 | 212,9 | 157,5 | 71,6 | 130,6 | 154,9 | 21,8 | 71,6 | 86 | 65,3 | 26,9 | 14 | 1025GV |
| 1030GV | 12 100 | 4400 | 111 | 39 | 36,3 | 40,8 | 0,6350 | 239,8 | 186,4 | 86,1 | 152,4 | 180,3 | 21,8 | 83,8 | 102 | 79,8 | 26,9 | 14 | 1030GV |
| 1035GV | 18 500 | 3900 | 134 | 51 | 59,0 | 65,8 | 0,9979 | 279,4 | 218,2 | 100,3 | 177,8 | 211,3 | 28,4 | 97,5 | 125 | 94,0 | 30,2 | 18 | 1035GV |
| 1040GV | 30 600 | 3600 | 160 | 64 | 88,4 | 97,5 | 1,45 | 317,5 | 246,9 | 112,3 | 209,6 | 245,4 | 28,4 | 111,3 | 140 | 105,9 | 35,1 | 22 | 1040GV |
| 1045GV | 42 000 | 3200 | 183 | 77 | 123 | 132 | 2,00 | 346,0 | 276,9 | 125,7 | 235,0 | 274,1 | 28,4 | 122,9 | 158 | 116,3 | 44,2 | 25 | 1045GV |
| 1050GV | 56 600 | 2900 | 200 | 89 | 172 | 186 | 2,86 | 388,9 | 313,4 | 144,0 | 254,0 | 305,8 | 38,1 | 140,7 | 175 | 134,6 | 44,2 | 25 | 1050GV |
| 1055GV | 74 000 | 2650 | 220 | 102 | 231 | 243 | 3,62 | 425,4 | 343,4 | 159,0 | 279,4 | 334,3 | 38,1 | 158,0 | 196 | 149,6 | 44,2 | 25 | 1055GV |
| 1060GV | 90 400 | 2450 | 244 | 115 | ... | 302 | 4,81 | 457,2 | 384,0 | 177,8 | 304,8 | 366,0 | 25,4 | 169,2 | 221 | 168,1 | 47,8 | 29 | 1060GV |
| 1070GV | 135 000 | 2150 | 289 | 127 | ... | 476 | 7,08 | 527,0 | 450,6 | 207,8 | 355,6 | 424,9 | 28,4 | 195,6 | 254 | 194,8 | 61,0 | 35 | 1070GV |

★ See Page 15 for General Information and other Reference Notes.



Type GV52 Standard Flanged Sleeve

Vertical Single Engagement/Dimensions — Millimeters



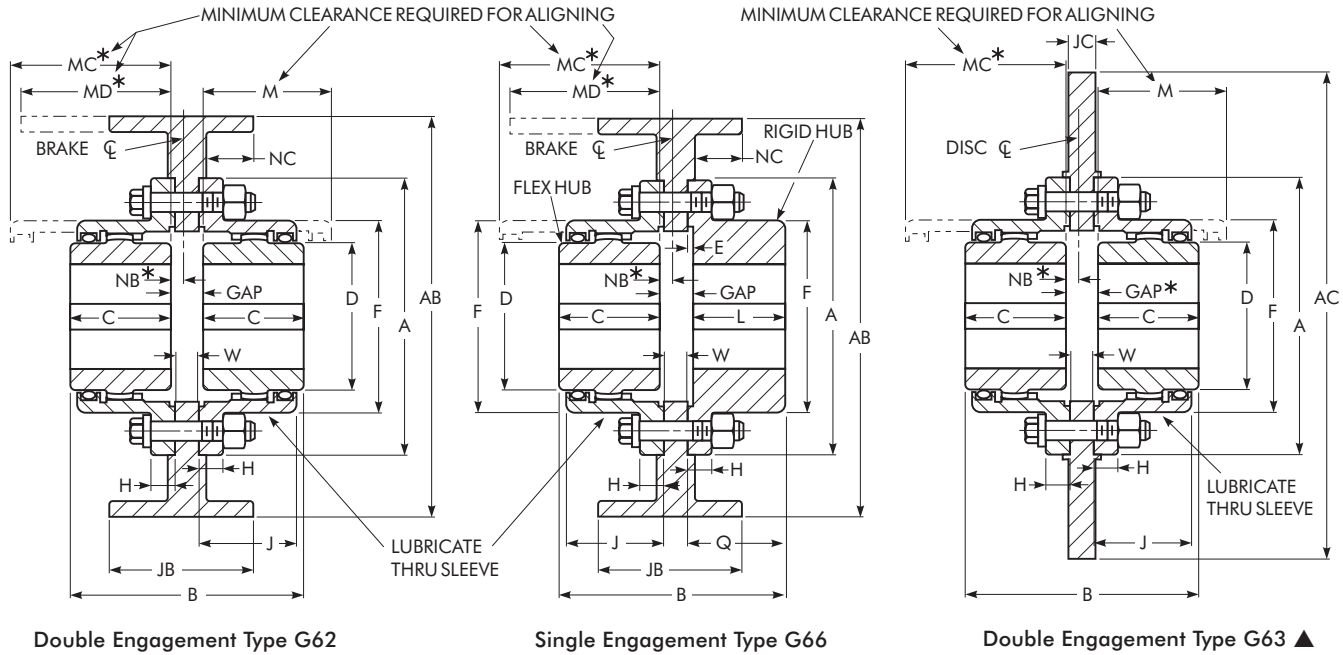
| SIZE * | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | | Min Bore (mm) ▯ | Cplg Wt With No Bore-kg | | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | | | | SIZE * | | |
|--------|----------------------|-------------------|-----------------|-----------|-----------------|-------------------------|------|--------------|--------------------------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|--------|----|--------|
| | | | Flex Hub | Rigid Hub | | GV51 | GV52 | | A | B | C | D | F | H | J | L | M | R | Y | | BE | Gap |
| | | | | | | | | | | | | | | | | | | | | | | |
| 1010GV | 1 140 | 7000 | 50 | 65 | 13 | 4,08 | 4,54 | 0,0363 | 115,9 | 86,9 | 38,9 | 68,6 | 83,8 | 14,0 | 38,9 | 39,6 | 45,7 | 131,6 | 32,5 | 14,7 | 4 | 1010GV |
| 1015GV | 2 350 | 5500 | 65 | 80 | 20 | 8,16 | 9,07 | 0,0544 | 152,4 | 99,6 | 45,0 | 86,4 | 105,2 | 19,0 | 47,8 | 46,2 | 55,9 | 152,4 | 38,6 | 14,7 | 4 | 1015GV |
| 1020GV | 4 270 | 4600 | 78 | 98 | 26 | 14,5 | 15,9 | 0,0907 | 177,8 | 124,5 | 57,7 | 105,2 | 126,5 | 19,0 | 59,4 | 58,4 | 71,1 | 182,9 | 51,3 | 14,7 | 4 | 1020GV |
| 1025GV | 7 470 | 4000 | 98 | 118 | 32 | 24,9 | 27,2 | 0,1814 | 212,7 | 155,2 | 71,6 | 130,6 | 154,9 | 21,8 | 71,6 | 73,7 | 86,4 | 217,7 | 65,3 | 16,3 | 5 | 1025GV |
| 1030GV | 12 100 | 3600 | 111 | 140 | 39 | 38,6 | 43,1 | 0,2722 | 239,7 | 183,9 | 86,1 | 152,4 | 180,3 | 21,8 | 83,8 | 87,9 | 101,6 | 247,7 | 79,8 | 16,3 | 5 | 1030GV |
| 1035GV | 18 500 | 3100 | 134 | 163 | 51 | 61,2 | 68,0 | 0,4536 | 279,4 | 214,1 | 100,3 | 177,8 | 211,3 | 28,4 | 97,5 | 102,1 | 124,5 | 297,9 | 94,0 | 18,0 | 7 | 1035GV |
| 1040GV | 30 600 | 2800 | 160 | 196 | 64 | 93,0 | 102 | 0,6804 | 317,5 | 243,3 | 112,3 | 209,6 | 245,4 | 28,4 | 111,3 | 115,3 | 139,7 | 340,4 | 105,9 | 22,0 | 8 | 1040GV |
| 1045GV | 42 000 | 2600 | 183 | 216 | 77 | 129 | 138 | 0,9072 | 346,1 | 273,6 | 125,7 | 235,0 | 274,1 | 28,4 | 122,9 | 130,6 | 157,5 | 388,1 | 116,3 | 26,7 | 9 | 1045GV |
| 1050GV | 56 600 | 2400 | 200 | 235 | 89 | 184 | 197 | 1,36 | 388,9 | 309,6 | 144,0 | 254,0 | 305,8 | 38,1 | 140,7 | 147,3 | 175,3 | 423,7 | 134,6 | 27,7 | 8 | 1050GV |
| 1055GV | 74 000 | 2200 | 220 | 266 | 102 | 254 | 265 | 1,68 | 425,4 | 350,0 | 159,0 | 279,4 | 334,3 | 38,1 | 158,0 | 172,7 | 195,6 | 464,3 | 149,6 | 27,7 | 8 | 1055GV |
| 1060GV | 90 400 | 2100 | 244 | 290 | 115 | ... | 390 | 2,27 | 457,2 | 385,6 | 177,8 | 304,8 | 366,0 | 25,4 | 169,2 | 186,4 | 221,0 | 522,2 | 168,1 | 30,9 | 8 | 1060GV |
| 1070GV | 135 000 | 1800 | 289 | 340 | 127 | ... | 517 | 3,27 | 527,0 | 454,2 | 207,8 | 355,6 | 424,9 | 28,4 | 195,6 | 220,2 | 254,0 | 615,2 | 194,8 | 39,1 | 10 | 1070GV |

★ See Page 15 for General Information and other Reference Notes.
 † Torque Rating is for coupling only; refer to Page 22 for floating shaft selection and ratings.
 ‡ Allowable speed listed is for GV52 coupling only; refer to Page 22 for floating shaft selection and running speed.



Types G62, G63 & G66 Standard Flanged Sleeve Brakewheel/Disc Brake/Dimensions — Millimeters

Straight Bores — Wheel Sizes 177,8 Millimeters Diameter & Larger



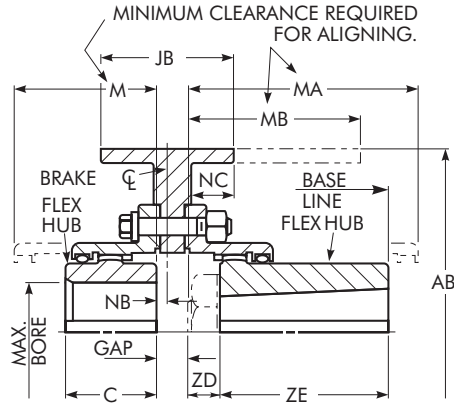
| Brake wheel Size ♦ | CPLG SIZE * | Brake Rating of Coupling (Nm) | | Max Straight Bore (mm) • | | Cplg Wt With No Bore-kg Less Wheel | | Lube Wt (kg) | | DIMENSIONS — Millimeters | | | | | | | | | | | | | Gap | |
|--------------------|-------------|-------------------------------|-----------|--------------------------|---------|------------------------------------|---------|--------------|--------|--------------------------|--------------------------|-------|-------|-------|-----|-------|------|-------|-------|-----|-------|---------|-----|----|
| | | Flex Hub | Rigid Hub | Min Bore (mm) ■ | G62 G63 | G66 | G62 G63 | G66 | A | B | | C | D | E | F | H | J | L | M | Q | W | G62 G63 | G66 | |
| | | | | | | | | | | G62 G63 | G66 With Sid Length Hubs | | | | | | | | | | | | | |
| 177,8 | 1010G | 251 | 50 | 65 | 13 | 4,54 | 4,54 | 0,0454 | 0,0272 | 115,9 | 98,6 | 96,3 | 42,9 | 68,6 | 2,5 | 83,8 | 14,0 | 38,9 | 39,6 | 51 | 42,2 | 9,7 | 13 | 14 |
| 203,2 | 1010G | 569 | 65 | 80 | 10 | 9,07 | 9,07 | 0,0907 | 0,0544 | 152,4 | 114,3 | 112,3 | 49,3 | 86,4 | 2,5 | 105,2 | 19,0 | 47,8 | 46,2 | 61 | 48,8 | 12,7 | 16 | 17 |
| 244,3 | 1020G | 1 050 | 78 | 98 | 26 | 15,9 | 15,9 | 0,1361 | 0,0907 | 177,8 | 139,7 | 137,2 | 62,0 | 105,2 | 2,5 | 126,5 | 19,0 | 59,4 | 58,4 | 76 | 61,0 | 12,7 | 16 | 17 |
| 289 | 1025G | 1 897 | 98 | 118 | 32 | 29,5 | 27,2 | 0,2722 | 0,1588 | 212,7 | 173,0 | 169,7 | 77,0 | 130,6 | 2,5 | 154,9 | 21,8 | 71,6 | 73,7 | 91 | 76,2 | 14,2 | 19 | 19 |
| 320,5 | 1030G | 3 117 | 111 | 140 | 39 | 43,1 | 43,1 | 0,4082 | 0,2268 | 239,7 | 201,4 | 198,1 | 91,2 | 152,4 | 2,5 | 180,3 | 21,8 | 83,8 | 87,9 | 107 | 90,4 | 14,2 | 19 | 19 |
| 371,3 | 1035G | 4 810 | 134 | 163 | 51 | 68,0 | 68,0 | 0,5670 | 0,3402 | 279,4 | 238,3 | 233,2 | 106,4 | 177,8 | 2,5 | 211,3 | 28,4 | 97,5 | 102,1 | 130 | 104,6 | 19,0 | 25 | 25 |
| 428,7 | 1040G | 7 317 | 160 | 196 | 64 | 97,5 | 99,8 | 0,9072 | 0,5443 | 317,5 | 266,7 | 261,9 | 120,6 | 209,6 | 4,1 | 245,4 | 28,4 | 111,3 | 115,3 | 145 | 119,4 | 19,0 | 25 | 26 |
| 457,2 | 1045G | 10 027 | 183 | 216 | 77 | 136 | 136 | 1,1340 | 0,6350 | 346,1 | 296,7 | 292,1 | 134,9 | 235,0 | 4,1 | 274,1 | 28,4 | 122,9 | 130,6 | 165 | 134,6 | 19,0 | 27 | 27 |
| 492,2 | 1050G | 13 550 | 200 | 235 | 89 | 191 | 195 | 1,8688 | 1,1340 | 388,9 | 339,6 | 334,5 | 153,2 | 254,0 | 5,1 | 305,8 | 38,1 | 140,7 | 147,3 | 183 | 152,4 | 25,4 | 33 | 34 |
| 530,3 | 1055G | 17 784 | 220 | 266 | 102 | 249 | 263 | 2,3224 | 1,3608 | 425,4 | 369,8 | 374,9 | 168,1 | 279,4 | 5,1 | 334,3 | 38,1 | 158,0 | 172,7 | 203 | 177,8 | 25,4 | 33 | 34 |
| 584,2 | 1060G | 23 035 | 244 | 290 | 115 | 306 | 324 | 3,4019 | 1,9278 | 457,2 | 409,4 | 410,5 | 188,2 | 304,8 | 6,6 | 366,0 | 25,4 | 169,2 | 186,4 | 229 | 193,0 | 25,4 | 33 | 36 |
| 660,4 | 1070G | 33 469 | 289 | 340 | 127 | 485 | 508 | 4,4452 | 2,6082 | 527,0 | 476,3 | 479,0 | 220,7 | 355,6 | 8,4 | 424,9 | 28,4 | 195,6 | 220,2 | 267 | 228,6 | 25,4 | 35 | 38 |

★ See Page 15 for General Information and other Reference Notes.
 ♦ Maximum rim velocity is 182,88 meters per minute. Brakewheel must be balanced if peripheral speed exceeds 182,88 meters per minute.
 • Dimensions and allowable speed vary with application; consult the Factory.
 ▲ Dimensions AC and JC depend upon customer caliper specifications.

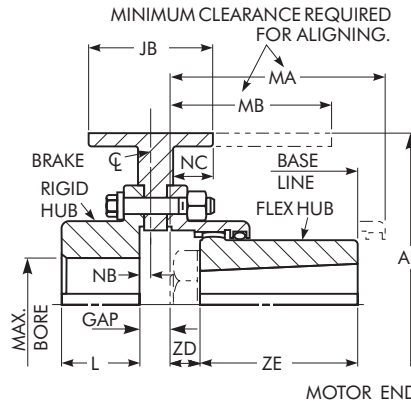


Types G62/G66 Standard Flanged Sleeve Brakewheel (for AISE Brakes)/Dimensions — Millimeters

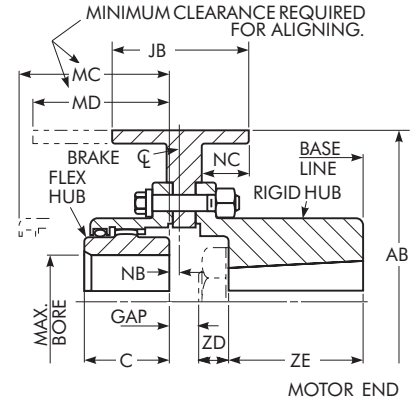
Taper Bores — Wheel Sizes 203,2 Millimeters – 762 Millimeters Diameter & Larger



Double Engagement Type G62
(One Hub Taper Bored)
Figure 1



Single Engagement Type G66
(Flex Hub Taper Bored)
Figure 2



Single Engagement Type G66
(Rigid Hub Taper and C' Bored)
Figure 3

| Brakewheel Dia x Face ♦ Dimensions (mm) AB x JB | Wheel Drawing No. | CPLG SIZE * | Mill Motor Size | Allow Speed rpm ▲ | Brake Rating (Nm) ↓ | Brake Manufacturer & Catalog Number | | | | DIMENSIONS — Millimeters | | | | | | | | | | | |
|---|-------------------------|----------------|-----------------------|-------------------------|---------------------------|--|--------------|------|--------|--------------------------|-------|-------|-----------------|-----------------|--------------|----------|-------|------|-------|----------|--------------|
| | | | | | | C-H Co. | E.C. & M. | G.E. | West | C | L | M | MA MB Max | MC MD Max | NB | | NC | ZD | ZE | Gap | |
| | | | | | | | | | | | | | | | Fig 1 & 3 | Fig 2 | | | | Fig 1 | Fig 2 & 3 |
| 203,2 x 82,6 | 330155 | 1015G | 802 | 2860 | 136 | 8 | T-08 | A100 | TM83 | 49,3 | 46,2 | 61,0 | 114,3 | 73,7 | 14,2 | 15,5 | 37,3 | 23,9 | 76,2 | 16 | 17 |
| 254,0 x 95,3 | 330156 | 1015G | 803,804 | 2290 | 271 | 10 | T-10 | A101 | TM1035 | 49,3 | 46,2 | 61,0 | 127,0 | 73,7 | 22,4 | 23,4 | 51,6 | 25,4 | 88,9 | 16 | 17 |
| 330,2 x 146,1 | 330158 | 1020G | 806 | 1760 | 745 | 13 | T-13 | A102 | TM1355 | 62,0 | 58,4 | 76,2 | 142,7 | 88,9 | 19,1 | 20,3 | 73,9 | 28,7 | 101,6 | 16 | 17 |
| 330,2 x 146,1 | 330159 | 1025G | 808 | 1760 | 745 | 13 | T-13 | A102 | TM1355 | 77,0 | 73,7 | 91,4 | 158,8 | 104,1 | 28,4 | 29,0 | 81,0 | 31,8 | 114,3 | 19 | 19 |
| 406,4 x 171,5 | 330160 | 1025G | 810 | 1430 | 1 355 | 16 | T-16 | A103 | TM1665 | 77,0 | 73,7 | 91,4 | 162,1 | 119,9 | 3,0* | 3,6 | 68,3 | 35,1 | 114,3 | 19 | 19 |
| 482,6 x 222,3 | 330162 | 1030G | 812 | 1200 | 2 710 | 19 | T-19 | A104 | TM1985 | 91,2 | 87,9 | 106,7 | 177,8 | 149,4 | 6,4* | 5,8 | 84,1 | 38,1 | 127,0 | 19 | 19 |
| 482,6 x 222,3 | 330163 | 1035G | 816 | 1200 | 2 710 | 19 | T-19 | A104 | TM1985 | 106,4 | 102,1 | 129,5 | 180,3 | 167,1 | 3,0 | 3,0 | 88,1 | 41,4 | 127,0 | 25 | 25 |
| 584,2 x 285,8 | 330164 | 1040G | 818 | 995 | 5 420 | 23 | T-23 | A105 | TM2311 | 120,6 | 115,3 | 144,8 | 208,3 | 198,6 | 0 | 12,7 | 116,6 | 44,5 | 139,7 | 25 | 27 |
| 584,2 x 285,8 | 330165 | 1040G | 820 | 995 | 5 420 | 23 | T-23 | A105 | TM2311 | 120,6 | 115,6 | 144,8 | 211,1 | 209,8 | 11,2* | 9,9* | 105,7 | 33,3 | 152,4 | 25 | 27 |
| 762 x 362 | 330166 | 1050G | 822 | 765 | 12 195 | 30 | ... | ... | ... | 153,2 | 147,3 | 182,9 | 215,9 | 270,0 | 11,2 | 9,4* | 136,7 | 44,5 | 171,5 | 33 | 35 |
| 762 x 362 | 330167 | 1050G | 824 | 765 | 12 195 | 30 | ... | ... | ... | 153,2 | 147,3 | 182,9 | 244,3 | 247,9 | 4,8 | 6,4 | 152,4 | 60,2 | 184,2 | 33 | 35 |

* See Page 15 for General Information and other Reference Notes.

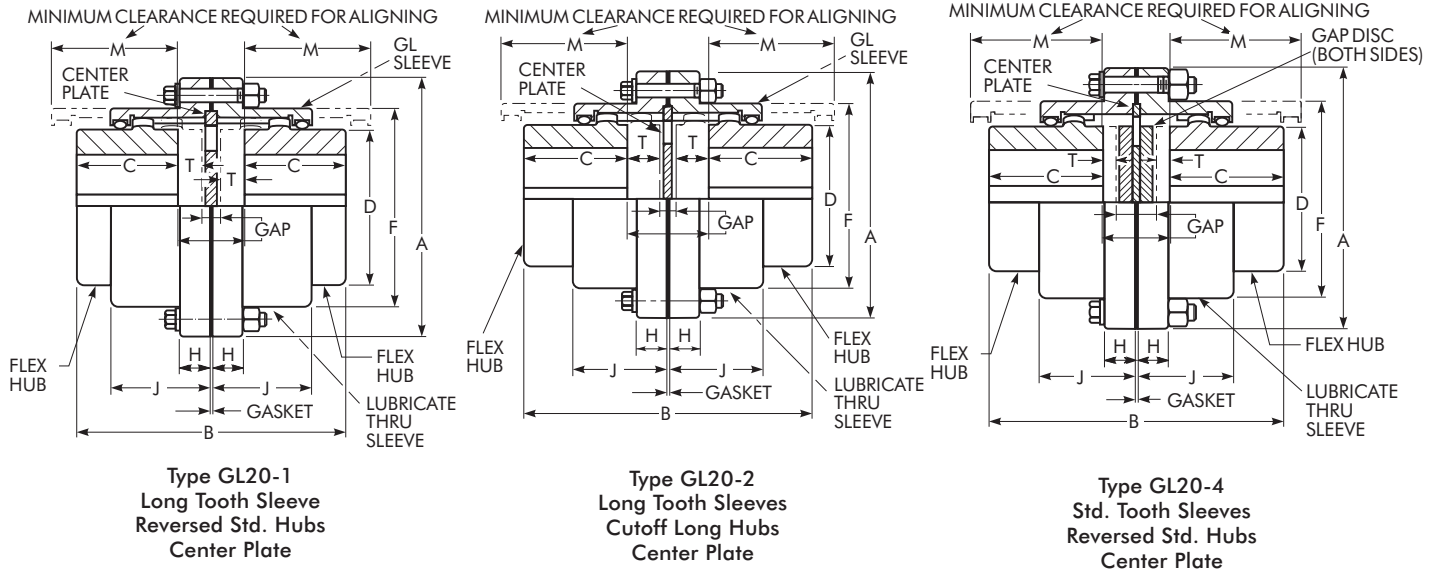
♦ For standard AISE brakes.

▲ Based on maximum rim velocity of 182,88 meters per minute.

* Symbol indicates that Dimension NB and the brakewheel centerline are to the left of the hub face.

Type GL20 Standard Flanged Sleeve

Slide Double Engagement/Dimensions — Millimeters



Choosing an Assembly

Select the assembly that provides a Total "T" dimension from the table below equal to the application requirements.

- GL20-1 Moderate slide capacity, moderate price.
- GL20-2 Greatest slide capacity, highest price.
- GL20-4 Least slide capacity, lowest price.

| SIZE ★ | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | Min Bore (mm) ■ | Cplg Wt With No Bore-kg | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | SIZE ★ |
|-----------|----------------------------|-------------------------|--------------------|-----------------------|-------------------------------|--------------------|--------------------------|-------|-------|-------|------|-------|-----------|
| | | | | | | | A | C | D | F | H | J | |
| 1010GL | 1 140 | 5300 | 50 | 13 | 4,54 | 0,0227 | 115,9 | 42,9 | 68,6 | 83,8 | 14,0 | 38,9 | 1010GL |
| 1015GL | 2 350 | 4300 | 65 | 20 | 9,07 | 0,0363 | 152,4 | 49,3 | 86,4 | 105,2 | 19,0 | 47,8 | 1015GL |
| 1020GL | 4 270 | 3700 | 78 | 26 | 15,9 | 0,0635 | 177,8 | 62,0 | 105,2 | 126,5 | 19,0 | 59,4 | 1020GL |
| 1025GL | 7 470 | 3300 | 98 | 32 | 29,5 | 0,1134 | 212,7 | 77,0 | 130,6 | 154,9 | 21,8 | 71,6 | 1025GL |
| 1030GL | 12 100 | 2900 | 111 | 39 | 40,8 | 0,1814 | 239,7 | 91,2 | 152,4 | 180,3 | 21,8 | 83,8 | 1030GL |
| 1035GL | 18 500 | 2600 | 134 | 51 | 68,0 | 0,2722 | 279,4 | 106,4 | 177,8 | 211,3 | 28,4 | 97,5 | 1035GL |
| 1040GL | 30 600 | 2400 | 160 | 64 | 99,8 | 0,4536 | 317,5 | 120,6 | 209,6 | 245,4 | 28,4 | 111,3 | 1040GL |
| 1045GL | 42 000 | 2100 | 183 | 77 | 136 | 0,5080 | 346,1 | 134,9 | 235,0 | 274,1 | 28,4 | 122,9 | 1045GL |
| 1050GL | 56 600 | 1900 | 200 | 89 | 193 | 0,9072 | 388,9 | 153,2 | 254,0 | 305,8 | 38,1 | 140,7 | 1050GL |
| 1055GL | 74 000 | 1800 | 220 | 102 | 254 | 0,1314 | 425,4 | 168,1 | 279,4 | 334,3 | 38,1 | 158,0 | 1055GL |
| 1060GL | 90 400 | 1600 | 244 | 115 | 318 | 0,5876 | 457,2 | 188,2 | 304,8 | 366,0 | 25,4 | 169,2 | 1060GL |
| 1070GL | 135 000 | 1400 | 289 | 127 | 499 | 1,1772 | 527,0 | 220,7 | 355,6 | 424,9 | 28,4 | 195,6 | 1070GL |

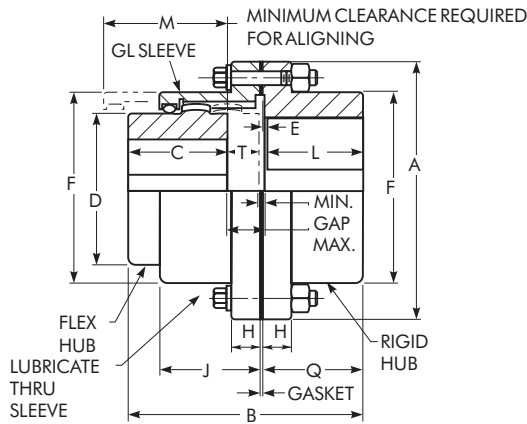
| SIZE | DIMENSIONS — Millimeters | | | | | | | | | | | | | | | | | |
|--------|--------------------------|-------|---------|-------|-----|-----|-------------|-------|---------|-------|-----|-----|-------------|-------|---------|-------|-----|-----|
| | Type GL20-1 | | | | | | Type GL20-2 | | | | | | Type GL20-4 | | | | | |
| | B Max | M | T (Max) | | Gap | | B Max | M | T (Max) | | Gap | | B Max | M | T (Max) | | Gap | |
| | | | Each | Total | Min | Max | | | Each | Total | Min | Max | | | Each | Total | Min | Max |
| 1010GL | 96,3 | 53,8 | 12,7 | 2,5 | 8 | 10 | 126,2 | 58,4 | 16,3 | 32,5 | 8 | 40 | 96,3 | 53,8 | 2,0 | 4,3 | 6 | 10 |
| 1015GL | 127,3 | 59,7 | 10,4 | 20,8 | 8 | 29 | 152,7 | 68,6 | 23,1 | 46,2 | 8 | 54 | 127,3 | 59,7 | 7,4 | 15,0 | 14 | 29 |
| 1020GL | 150,6 | 77,2 | 9,0 | 18,8 | 8 | 27 | 186,2 | 83,8 | 27,2 | 54,4 | 8 | 62 | 150,6 | 77,2 | 9,9 | 20,1 | 7 | 27 |
| 1025GL | 187,7 | 93,5 | 12,2 | 24,4 | 9 | 34 | 231,4 | 101,6 | 34,0 | 68,1 | 9 | 78 | 187,7 | 93,5 | 6,1 | 12,4 | 21 | 34 |
| 1030GL | 227,3 | 108,2 | 17,8 | 35,6 | 9 | 45 | 263,4 | 91,4 | 35,8 | 71,6 | 9 | 81 | 227,3 | 108,2 | 11,4 | 23,1 | 22 | 45 |
| 1035GL | 273,6 | 124,5 | 24,6 | 49,3 | 11 | 61 | 314,7 | 104,1 | 45,2 | 90,4 | 11 | 102 | 273,6 | 124,5 | 14,0 | 27,9 | 33 | 61 |
| 1040GL | 320,3 | 138,7 | 32,3 | 64,5 | 15 | 79 | 362,5 | 119,4 | 53,3 | 106,7 | 15 | 121 | 320,3 | 138,7 | 16,3 | 32,5 | 47 | 79 |
| 1045GL | 355,3 | 154,4 | 34,8 | 69,6 | 16 | 86 | 405,6 | 129,5 | 59,9 | 119,9 | 16 | 136 | 355,3 | 154,4 | 19,3 | 38,6 | 47 | 86 |
| 1050GL | 408,2 | 175,5 | 41,9 | 83,8 | 18 | 102 | 459,5 | 149,9 | 67,6 | 135,1 | 18 | 153 | 408,2 | 175,5 | 20,6 | 41,4 | 61 | 102 |
| 1055GL | 470,2 | 190,8 | 57,9 | 115,8 | 18 | 134 | 510,3 | 167,6 | 78,0 | 156,0 | 18 | 174 | 470,2 | 190,8 | 21,1 | 42,2 | 92 | 134 |
| 1060GL | 503,7 | 211,6 | 53,1 | 106,2 | 21 | 127 | 563,1 | 182,9 | 82,8 | 165,6 | 21 | 187 | 503,7 | 211,6 | 24,6 | 49,5 | 78 | 127 |
| 1070GL | 591,8 | 245,4 | 62,0 | 124,0 | 26 | 150 | 664,5 | 210,8 | 98,3 | 196,6 | 26 | 223 | 591,8 | 245,4 | 26,9 | 54,1 | 96 | 150 |

★ See Page 15 for General Information and other Reference Notes.
◆ Gap discs are not required for Sizes 1010 and 1020GL.

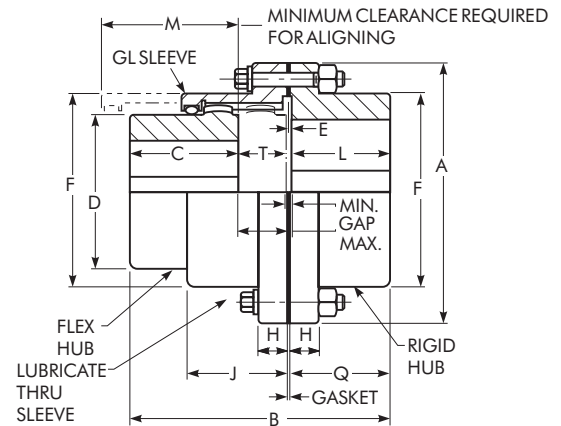


Type GL52 Standard Flanged Sleeve

Slide Single Engagement/Dimensions — Millimeters



Type GL52-1 Long Tooth Sleeve
Reversed Std. Hub



Type GL52-2 Long Tooth Sleeve
Cutoff Long Hub

Choosing an Assembly

Select the assembly that provides a Total "T" dimension from the table below equal to the application requirements.

GL52-1 — Moderate slide capacity, moderate price.

GL52-2 — Greatest slide capacity, highest price.

| SIZE ★ | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | | Min Bore (mm) ■ | Cplg Wt With No Bore (kg) | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | | SIZE ★ |
|-----------|----------------------------|-------------------------|-----------------|--------------|-----------------------|------------------------------------|--------------------|--------------------------|-------|-------|-----|-------|------|-------|-------|-------|-----------|
| | | | Flex Hub | Rigid Hub | | | | A | C | D | E | F | H | J | L | Q | |
| 1010GL | 1 140 | 5300 | 50 | 65 | 13 | 4,54 | 0,0136 | 115,9 | 42,9 | 68,6 | 2,5 | 83,8 | 14,0 | 38,9 | 39,6 | 42,2 | 1010GL |
| 1015GL | 2 350 | 4300 | 65 | 80 | 20 | 9,07 | 0,0227 | 152,4 | 49,3 | 86,4 | 2,5 | 105,2 | 19,0 | 47,8 | 46,2 | 48,8 | 1015GL |
| 1020GL | 4 270 | 3700 | 78 | 98 | 26 | 15,9 | 0,0363 | 177,8 | 62,0 | 105,2 | 2,5 | 126,5 | 19,0 | 59,4 | 58,4 | 61,0 | 1020GL |
| 1025GL | 7 470 | 3300 | 98 | 118 | 32 | 29,5 | 0,0635 | 212,7 | 77,0 | 130,6 | 2,5 | 154,9 | 21,8 | 71,6 | 73,7 | 76,2 | 1025GL |
| 1030GL | 12 100 | 2900 | 111 | 140 | 39 | 43,1 | 0,1134 | 239,7 | 91,2 | 152,4 | 2,5 | 180,3 | 21,8 | 83,8 | 87,9 | 90,4 | 1030GL |
| 1035GL | 18 500 | 2600 | 134 | 163 | 51 | 68,0 | 0,1814 | 279,4 | 106,4 | 177,8 | 2,5 | 211,3 | 28,4 | 97,5 | 102,1 | 104,6 | 1035GL |
| 1040GL | 30 600 | 2400 | 160 | 196 | 64 | 99,8 | 0,2722 | 317,5 | 120,6 | 209,6 | 4,1 | 245,4 | 28,4 | 111,3 | 115,3 | 119,4 | 1040GL |
| 1045GL | 42 000 | 2100 | 183 | 216 | 77 | 136 | 0,3402 | 346,1 | 134,9 | 235,0 | 4,1 | 274,1 | 28,4 | 122,9 | 130,6 | 134,6 | 1045GL |
| 1050GL | 56 600 | 1900 | 200 | 235 | 89 | 195 | 0,5443 | 388,9 | 153,2 | 254,0 | 5,1 | 305,8 | 38,1 | 140,7 | 147,3 | 152,4 | 1050GL |
| 1055GL | 74 000 | 1800 | 220 | 266 | 102 | 263 | 0,7257 | 425,4 | 168,1 | 279,4 | 5,1 | 334,3 | 38,1 | 158,0 | 172,7 | 177,8 | 1055GL |
| 1060GL | 90 400 | 1600 | 244 | 290 | 115 | 324 | 0,9616 | 457,2 | 188,2 | 304,8 | 6,6 | 366,0 | 25,4 | 169,2 | 186,4 | 193,0 | 1060GL |
| 1070GL | 135 000 | 1400 | 289 | 340 | 127 | 510 | 1,3608 | 527,0 | 220,7 | 355,6 | 8,4 | 424,9 | 28,4 | 195,6 | 220,2 | 228,6 | 1070GL |

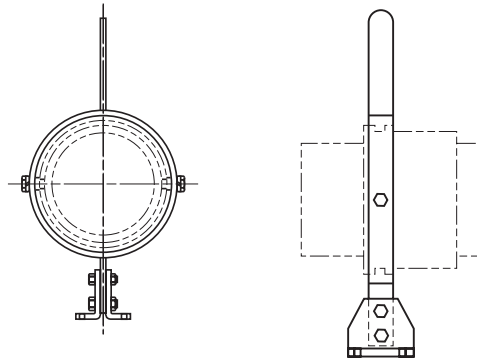
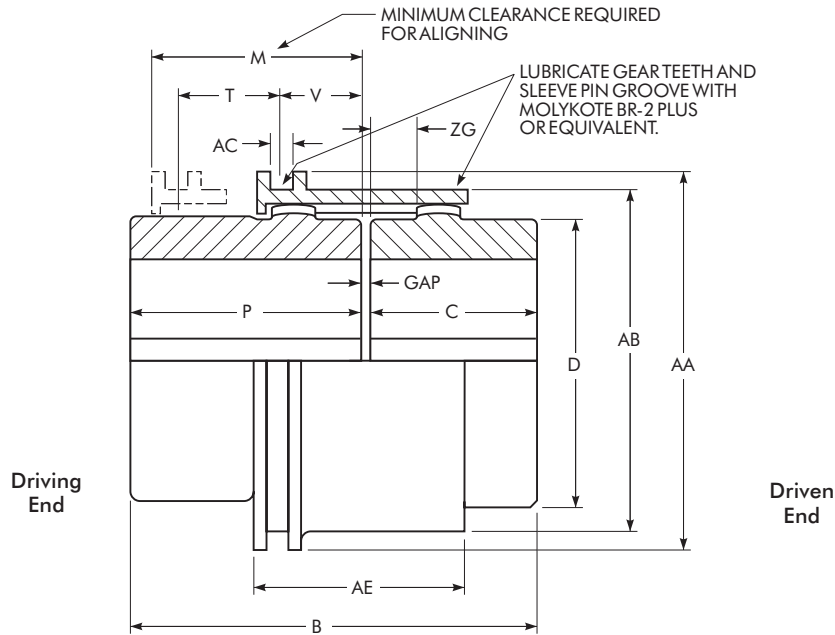
★ See Page 15 for General Information and Reference Notes

| SIZE ★ | DIMENSIONS — Millimeters | | | | | | | | | |
|-----------|--------------------------|-------|----------|-----|-----|-------------|-------|----------|-----|-----|
| | Type GL52-1 | | | | | Type GL52-2 | | | | |
| | B Max | M | T Max | Gap | | B Max | M | T Max | Gap | |
| Min | | | | Max | Min | | | | Max | |
| 1010GL | 90,2 | 53,8 | 3,6 | 4 | 8 | 105,2 | 58,4 | 18,5 | 4 | 23 |
| 1015GL | 112,3 | 59,7 | 12,7 | 4 | 17 | 125,0 | 68,6 | 25,4 | 4 | 30 |
| 1020GL | 136,1 | 84,8 | 11,7 | 4 | 16 | 153,9 | 83,8 | 29,5 | 4 | 34 |
| 1025GL | 169,7 | 93,5 | 14,5 | 5 | 19 | 191,8 | 101,6 | 36,3 | 5 | 41 |
| 1030GL | 204,0 | 108,2 | 20,1 | 5 | 25 | 222,0 | 91,4 | 38,1 | 5 | 43 |
| 1035GL | 241,3 | 124,5 | 27,2 | 6 | 33 | 261,9 | 104,1 | 47,8 | 6 | 53 |
| 1040GL | 279,4 | 138,7 | 36,3 | 7 | 43 | 300,5 | 119,4 | 57,4 | 7 | 65 |
| 1045GL | 314,7 | 154,4 | 38,9 | 8 | 47 | 337,8 | 129,5 | 64,0 | 8 | 72 |
| 1050GL | 356,1 | 175,5 | 47,0 | 9 | 56 | 381,8 | 149,9 | 72,6 | 9 | 81 |
| 1055GL | 412,5 | 190,8 | 63,0 | 9 | 72 | 432,6 | 167,6 | 83,1 | 9 | 92 |
| 1060GL | 444,8 | 211,6 | 59,7 | 10 | 70 | 474,5 | 182,9 | 89,4 | 10 | 100 |
| 1070GL | 524,0 | 245,4 | 70,4 | 13 | 83 | 560,3 | 210,8 | 106,7 | 13 | 119 |



Type G70

Disconnect (Inching Drives)/Dimensions — Millimeters



Optional hand operated shifter mechanism to shift and secure the proper position of the sleeve assembly.

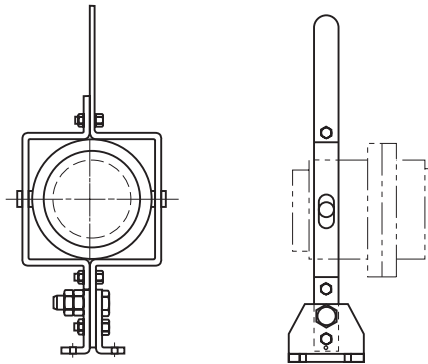
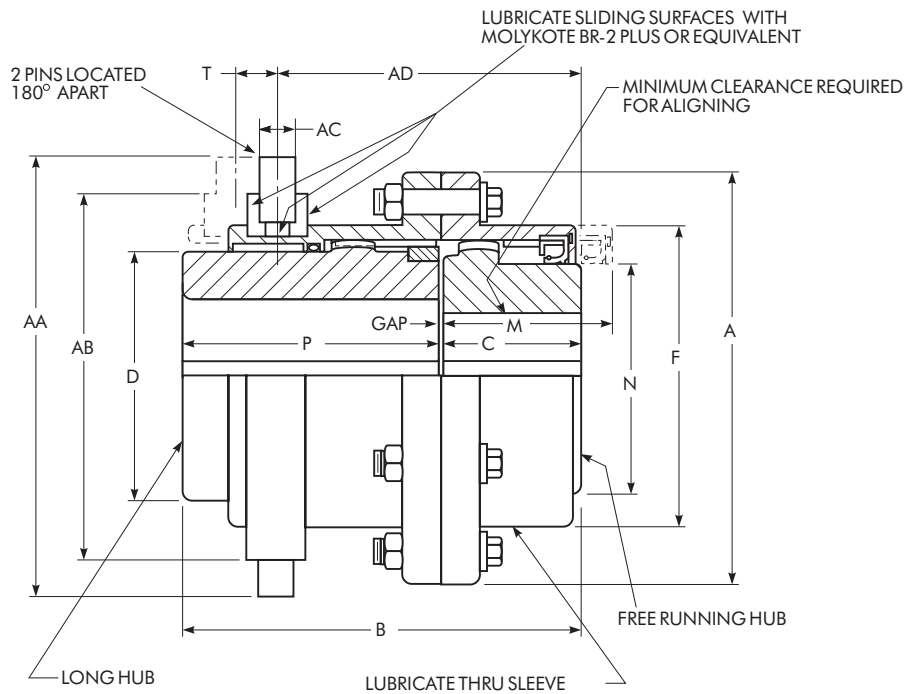
| SIZE ★ | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | Min Bore (mm) ▫ | Cplg Wt With No Bore (kg) | DIMENSIONS — Millimeters | | | | | | | | | | | | | SIZE ★ |
|-----------|----------------------------|-------------------------|-----------------------|-----------------------|------------------------------------|--------------------------|-------|-------|-------|-------|-------|------|-------|-------|------|-------|------|-----|-----------|
| | | | | | | B | C | D | M | P | T | V | AA | AB | AC | AE | ZG | Gap | |
| 1010G | 1 140 | 630 | 50 | 13 | 4,08 | 115,8 | 42,9 | 68,6 | 69,6 | 69,6 | 30,0 | 21,8 | 97,0 | 83,8 | 8,1 | 59,9 | 14,7 | 3 | 1010G |
| 1015G | 2 350 | 500 | 65 | 20 | 6,80 | 120,9 | 49,3 | 86,4 | 68,6 | 68,6 | 29,5 | 21,3 | 120,9 | 107,4 | 8,1 | 58,9 | 12,7 | 3 | 1015G |
| 1020G | 4 270 | 400 | 78 | 26 | 13,6 | 152,9 | 62,0 | 105,2 | 87,9 | 87,9 | 38,1 | 29,0 | 145,8 | 129,5 | 11,2 | 78,2 | 17,8 | 3 | 1020G |
| 1025G | 7 470 | 330 | 98 | 32 | 24,0 | 188,5 | 77,0 | 130,6 | 106,7 | 106,7 | 48,3 | 37,6 | 172,7 | 156,5 | 11,2 | 97,0 | 21,8 | 5 | 1025G |
| 1030G | 12 100 | 280 | 111 | 39 | 36,3 | 215,9 | 91,2 | 152,4 | 119,9 | 119,9 | 54,9 | 42,7 | 201,2 | 181,9 | 14,2 | 110,2 | 24,4 | 5 | 1030G |
| 1035G | 18 500 | 240 | 134 | 51 | 55,8 | 246,4 | 106,4 | 177,8 | 133,6 | 133,6 | 63,0 | 48,3 | 231,1 | 212,1 | 14,2 | 124,0 | 26,9 | 6 | 1035G |
| 1040G | 30 600 | 200 | 160 | 64 | 83,0 | 269,7 | 120,6 | 209,6 | 142,7 | 142,7 | 67,6 | 52,8 | 269,2 | 250,2 | 14,2 | 133,1 | 27,4 | 6 | 1040G |
| 1045G | 42 000 | 180 | 183 | 77 | 118,8 | 305,8 | 134,9 | 235,0 | 163,1 | 163,1 | 77,2 | 59,9 | 298,2 | 275,6 | 17,3 | 153,4 | 31,5 | 8 | 1045G |
| 1050G | 56 600 | 170 | 200 | 89 | 160,1 | 338,8 | 153,2 | 254,0 | 177,8 | 177,8 | 84,3 | 67,1 | 331,2 | 308,9 | 17,3 | 167,6 | 34,8 | 8 | 1050G |
| 1055G | 74 000 | 150 | 220 | 102 | 199,1 | 356,6 | 168,1 | 279,4 | 180,3 | 180,3 | 85,9 | 68,1 | 356,6 | 334,3 | 17,3 | 170,2 | 32,8 | 8 | 1055G |
| 1060G | 90 400 | 140 | 244 | 115 | 273,5 | 406,9 | 188,2 | 304,8 | 210,8 | 210,8 | 100,1 | 81,8 | 396,7 | 366,0 | 19,3 | 201,2 | 42,4 | 8 | 1060G |
| 1070G | 135 000 | 120 | 289 | 127 | 424,1 | 466,3 | 220,7 | 355,6 | 238,8 | 236,2 | 116,8 | 93,2 | 455,7 | 424,9 | 19,3 | 229,4 | 49,8 | 10 | 1070G |

★ See Page 15 for General Information and Reference Notes.



Type G72

Disconnect/Dimensions — Millimeters



Optional hand operated shifter mechanism to shift and secure the proper position of the sleeve assembly.

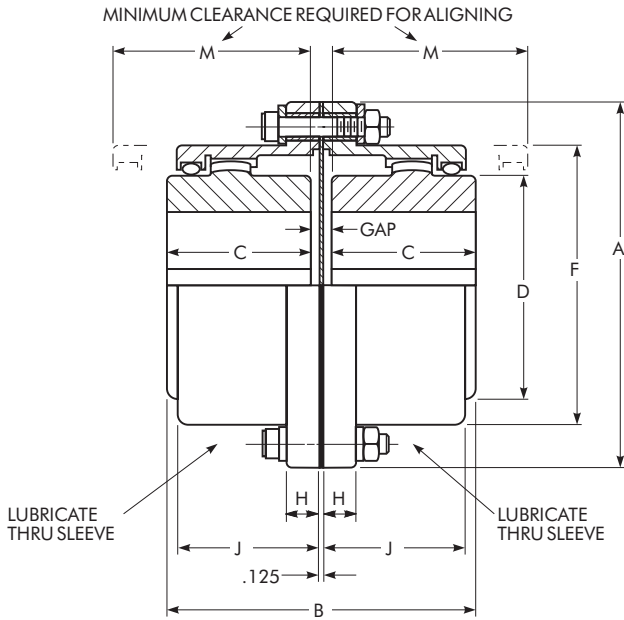
| SIZE * | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | | Min Bore (mm) ▯ | Cplg Wt With No Bore (kg) | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | | | | | | SIZE * | |
|-----------|----------------------------|-------------------------|--------------------|-------------|-----------------------|------------------------------------|--------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|-------|-----------|-------|
| | | | Long Hub | Free Hub | | | | A | B | C | D | F | M | N | P | T | AA | AB | AC | AD | | Gap |
| | | | | | | | | | | | | | | | | | | | | | | |
| 1010G | 1 140 | 4200 | 50 | 38 | 13 | 6,80 | 0,0318 | 115,9 | 128,5 | 42,7 | 68,6 | 83,8 | 58,4 | 57,2 | 82,6 | 12,7 | 158,8 | 127,0 | 15,7 | 93,5 | 3 | 1010G |
| 1015G | 2 350 | 3200 | 65 | 52 | 20 | 13,2 | 0,0544 | 152,4 | 147,6 | 52,3 | 86,4 | 105,2 | 76,2 | 76,2 | 91,9 | 14,2 | 184,2 | 152,4 | 15,7 | 108,2 | 3 | 1015G |
| 1020G | 4 270 | 2450 | 78 | 68 | 26 | 22,7 | 0,0907 | 177,8 | 179,3 | 62,0 | 105,2 | 126,5 | 83,8 | 98,6 | 114,3 | 22,4 | 196,8 | 165,1 | 15,7 | 136,7 | 3 | 1020G |
| 1025G | 7 470 | 2000 | 98 | 83 | 32 | 35,8 | 0,1724 | 212,7 | 214,4 | 73,2 | 130,6 | 154,9 | 91,4 | 120,7 | 136,7 | 22,4 | 228,6 | 190,5 | 19,1 | 165,1 | 5 | 1025G |
| 1030G | 12 100 | 1650 | 111 | 102 | 39 | 52,2 | 0,2722 | 239,7 | 245,9 | 98,6 | 152,4 | 180,3 | 106,7 | 146,1 | 142,7 | 25,4 | 247,6 | 215,9 | 22,4 | 199,6 | 5 | 1030G |
| 1035G | 18 500 | 1530 | 134 | 110 | 51 | 81,6 | 0,4082 | 279,4 | 276,4 | 101,6 | 177,8 | 211,3 | 104,1 | 158,8 | 168,1 | 28,4 | 301,8 | 269,7 | 22,4 | 219,5 | 6 | 1035G |
| 1040G | 30 600 | 1200 | 160 | 141 | 64 | 121 | 0,6804 | 317,5 | 306,1 | 112,3 | 209,6 | 245,4 | 124,5 | 203,2 | 187,5 | 31,8 | 352,6 | 295,1 | 25,4 | 245,4 | 6 | 1040G |
| 1045G | 42 000 | 1060 | 183 | 157 | 77 | 152 | 0,7711 | 346,1 | 314,5 | 122,4 | 235,0 | 274,1 | 139,7 | 225,6 | 184,2 | 39,6 | 393,7 | 330,2 | 25,4 | 251,7 | 8 | 1045G |
| 1050G | 56 600 | 950 | 200 | 187 | 89 | 209 | 1,3608 | 388,9 | 360,4 | 142,7 | 254,0 | 305,8 | 182,9 | 254,0 | 209,6 | 44,5 | 381,0 | 323,8 | 25,4 | 283,5 | 8 | 1050G |
| 1055G | 74 000 | 860 | 220 | 187 | 102 | 278 | 1,6783 | 425,4 | 385,8 | 168,1 | 279,4 | 334,3 | 184,2 | 254,0 | 209,6 | 53,8 | 450,9 | 400,0 | 28,4 | 338,1 | 8 | 1055G |
| 1060G | 90 400 | 830 | 244 | 219 | 115 | 367 | 2,3814 | 457,2 | 465,1 | 180,8 | 304,8 | 366,0 | 193,5 | 292,1 | 276,4 | 50,8 | 463,6 | 422,1 | 28,4 | 369,8 | 8 | 1060G |
| 1070G | 135 000 | 680 | 289 | 276 | 127 | 524 | 3,2659 | 527,0 | 479,6 | 196,9 | 355,6 | 424,9 | 266,7 | 355,6 | 273,0 | 57,2 | 584,2 | 508,0 | 28,4 | 383,0 | 10 | 1070G |

★ See Page 15 for General Information and Reference Notes.

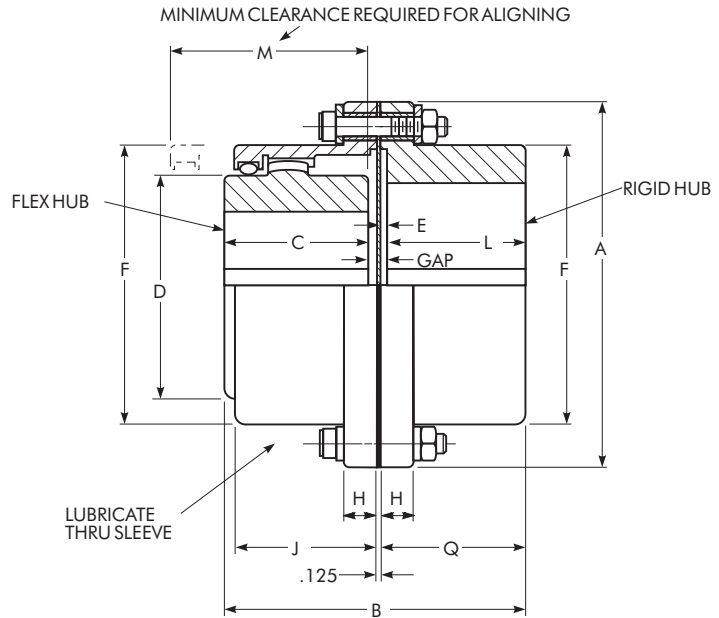
Type GP20/52/82 Standard Flanged Sleeve

Insulated/Dimensions — Millimeters

Type GP20 Double Engagement Coupling



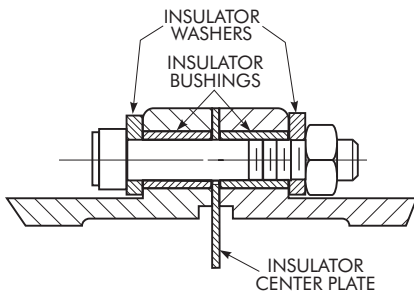
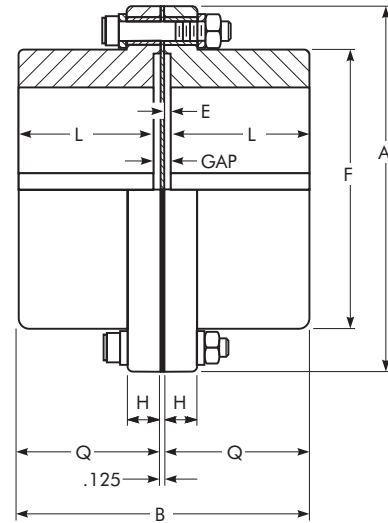
Type GP52 Single Engagement Coupling



| SIZE ★ | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | | Min Bore (mm) ■ | Cplg Wt With No Bore-kg | | | Lube Wt-kg | |
|-----------|----------------------|-------------------|-----------------|-----------|-----------------|-------------------------|-------|-------|------------|--------|
| | | | Flex Hub | Rigid Hub | | GP20 | GP52 | GP82 | GP20 | GP52 |
| 1025G | 7 470 | 5000 | 98 | 118 | 32 | 29,5 | 27,2 | 27,2 | 0,2268 | 0,1179 |
| 1030G | 12 100 | 4400 | 111 | 140 | 39 | 43,1 | 43,1 | 43,1 | 0,3629 | 0,1814 |
| 1035G | 18 500 | 3900 | 134 | 163 | 51 | 68,0 | 68,0 | 70,3 | 0,5443 | 0,2722 |
| 1040G | 30 600 | 3600 | 160 | 196 | 64 | 97,5 | 99,8 | 102,1 | 0,9072 | 0,4672 |
| 1045G | 42 000 | 3200 | 183 | 216 | 77 | 136,1 | 136,1 | 140,6 | 1,04 | 0,5670 |
| 1050G | 56 600 | 2900 | 200 | 235 | 89 | 190,5 | 195,0 | 204,1 | 1,77 | 0,9072 |
| 1055G | 74 000 | 2650 | 220 | 266 | 102 | 249,5 | 263,1 | 281,2 | 2,22 | 1,13 |
| 1060G | 90 400 | 2450 | 244 | 290 | 115 | 306,2 | 324,3 | 335,7 | 3,18 | 1,70 |
| 1070G | 135 000 | 2150 | 289 | 340 | 127 | 485,3 | 508,0 | 535,2 | 4,35 | 2,27 |

★ See Page 15 for General Information and other Reference Notes.

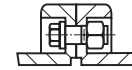
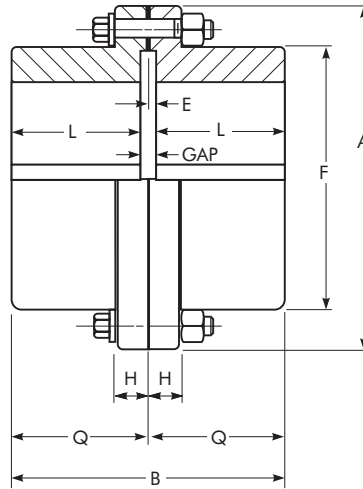
Type GP82 Rigid Coupling



| SIZE ★ | Flange Bolt | | DIMENSIONS — Millimeters | | | | | | | | | | | | | | | SIZE ★ | |
|-----------|----------------|------|--------------------------|-------|-------|-------|-------|-------|-----|-------|------|-------|-------|-------|-------|------|----|-----------|--------|
| | | | A | B | | | C | D | E | F | H | J | L | M | Q | Gap | | | |
| | GP20 | GP52 | | GP82 | GP20 | GP52 | | | | | | | | | | GP82 | | | |
| 1025GP | .500-13 x 3.00 | 47,5 | 212,7 | 162,1 | 158,5 | 155,4 | 77,0 | 130,6 | 2,5 | 154,9 | 21,8 | 71,6 | 73,7 | 91,4 | 76,2 | 8 | 9 | 9 | 1025GP |
| 1030GP | .500-13 x 3.00 | 47,5 | 239,7 | 190,2 | 186,9 | 183,9 | 91,2 | 152,4 | 2,5 | 180,3 | 21,8 | 83,8 | 87,9 | 106,7 | 90,4 | 8 | 9 | 9 | 1030GP |
| 1035GP | .625-11 x 4.00 | 94,9 | 279,4 | 222,2 | 217,2 | 212,3 | 106,4 | 177,8 | 2,5 | 211,3 | 28,4 | 97,5 | 102,1 | 129,5 | 104,6 | 10 | 9 | 9 | 1035GP |
| 1040GP | .625-11 x 4.00 | 94,9 | 317,5 | 251,0 | 245,9 | 241,8 | 120,6 | 209,6 | 4,1 | 245,4 | 28,4 | 111,3 | 115,3 | 144,8 | 119,4 | 10 | 11 | 12 | 1040GP |
| 1045GP | .625-11 x 4.00 | 94,9 | 346,1 | 280,9 | 276,1 | 272,3 | 134,9 | 235,0 | 4,1 | 274,1 | 28,4 | 122,9 | 130,6 | 165,1 | 134,6 | 11 | 11 | 12 | 1045GP |
| 1050GP | .750-10 x 5.00 | 163 | 388,9 | 317,2 | 312,2 | 307,8 | 153,2 | 254,0 | 5,1 | 305,8 | 38,1 | 140,7 | 147,3 | 182,9 | 152,4 | 11 | 12 | 14 | 1050GP |
| 1055GP | .750-10 x 5.00 | 163 | 425,4 | 347,5 | 352,6 | 358,6 | 168,1 | 279,4 | 5,1 | 334,3 | 38,1 | 158,0 | 172,7 | 203,2 | 177,8 | 11 | 12 | 14 | 1055GP |
| 1060GP | .750-10 x 4.00 | 163 | 457,2 | 387,1 | 388,1 | 389,1 | 188,2 | 304,8 | 6,6 | 366,0 | 25,4 | 169,2 | 186,4 | 228,6 | 193,0 | 11 | 14 | 17 | 1060GP |
| 1070GP | .875-9 x 4.50 | 203 | 527,0 | 454,4 | 456,7 | 460,2 | 220,7 | 355,6 | 8,4 | 424,9 | 28,4 | 195,6 | 220,2 | 266,7 | 228,6 | 13 | 16 | 20 | 1070GP |

Type G82 Standard Flanged Sleeve

Rigid/Dimensions — Millimeters



Type G81 Shrouded Bolts furnished only when specified on order. Sizes 1060G and 1070G available only as Type G82.

| SIZE ★ | Torque Rating (Nm) † | Allow Speed rpm ‡ | Max Bore (mm) • | Min Bore (mm) ■ | Cplg Wt With No Bore-kg | | DIMENSIONS — Millimeters | | | | | | | | SIZE ★ |
|--------------|----------------------------|-------------------------|-----------------------|-----------------------|----------------------------|------|--------------------------|-------|-----|-------|------|-------|-------|-----|--------------|
| | | | | | G81 | G82 | A | B | E | F | H | L | Q | Gap | |
| | | | | | | | | | | | | | | | |
| 1010G | 1 140 | 8000 | 65 | 13 | 4,08 | 4,54 | 115,9 | 84,3 | 2,5 | 83,8 | 14,0 | 39,6 | 42,2 | 5 | 1010G |
| 1015G | 2 350 | 6500 | 80 | 20 | 8,62 | 9,07 | 152,4 | 97,5 | 2,5 | 105,2 | 19,0 | 46,2 | 48,8 | 5 | 1015G |
| 1020G | 4 270 | 5600 | 98 | 26 | 13,6 | 15,9 | 177,8 | 121,9 | 2,5 | 126,5 | 19,0 | 58,4 | 61,0 | 5 | 1020G |
| 1025G | 7 470 | 5000 | 118 | 32 | 24,9 | 27,2 | 212,7 | 152,4 | 2,5 | 154,9 | 21,8 | 73,7 | 76,2 | 5 | 1025G |
| 1030G | 12 100 | 4400 | 140 | 39 | 40,8 | 43,1 | 239,7 | 180,8 | 2,5 | 180,3 | 21,8 | 87,9 | 90,4 | 5 | 1030G |
| 1035G | 18 500 | 3900 | 163 | 51 | 61,2 | 70,3 | 279,4 | 209,3 | 2,5 | 211,3 | 28,4 | 102,1 | 104,6 | 5 | 1035G |
| 1040G | 30 600 | 3600 | 196 | 64 | 95,3 | 102 | 317,5 | 238,8 | 4,1 | 245,4 | 28,4 | 115,3 | 119,4 | 8 | 1040G |
| 1045G | 42 000 | 3200 | 216 | 77 | 132 | 141 | 346,1 | 269,2 | 4,1 | 274,1 | 28,4 | 130,6 | 134,6 | 8 | 1045G |
| 1050G | 56 600 | 2900 | 235 | 89 | 188 | 204 | 388,9 | 304,8 | 5,1 | 305,8 | 38,1 | 147,3 | 152,4 | 10 | 1050G |
| 1055G | 74 000 | 2650 | 266 | 102 | 268 | 281 | 425,4 | 355,6 | 5,1 | 334,3 | 38,1 | 172,7 | 177,8 | 10 | 1055G |
| 1060G | 90 400 | 2450 | 290 | 115 | ... | 336 | 457,2 | 386,1 | 6,6 | 366,0 | 25,4 | 186,4 | 193,0 | 13 | 1060G |
| 1070G | 135 000 | 2150 | 340 | 127 | ... | 535 | 527,0 | 457,2 | 8,4 | 424,9 | 28,4 | 220,2 | 228,6 | 17 | 1070G |

★ Refer to Page 15 for General Information and Reference Notes.

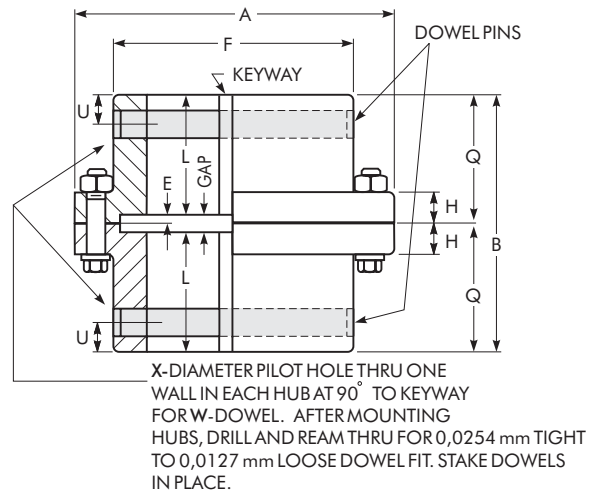
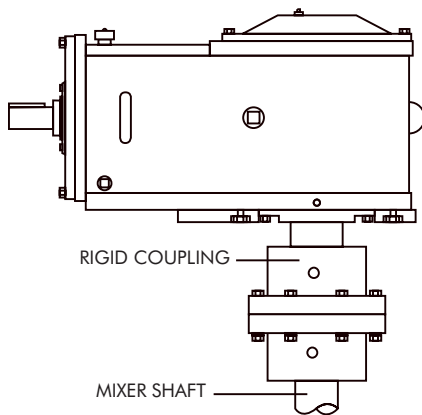
Type GV82 Standard Flanged Sleeve

Rigid Thrust/Dimensions — Millimeters

Type GV82 couplings are used as rigid connections for the low speed shaft of a gear drive and a mixer shaft or suspended load. The coupling carries the torque load, weight of the shaft and impeller, thrust forces and resulting bending moments.

When a rigid coupling is required, the following additional information is necessary.

1. Required thrust capacity and direction of thrust.
2. Radial force at impeller.
3. Distance from the center of coupling fastener flange to the center of the impeller.
4. Weight of shaft and impeller.

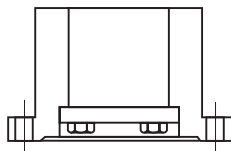


| SIZE ★ | Torque Rating (Nm) † | Hub Bore Range (mm) • | Cplg Wt With No Bore-kg | DIMENSIONS — Millimeters | | | | | | | | | | | SIZE ★ | |
|-----------|----------------------|-----------------------|-------------------------|--------------------------|-------|-----|-------|------|-------|-------|------|--------------------|--|------|-----------|--------|
| | | | | A | B | E | F | H | L | Q | U | W | | X | | Gap |
| | | | | | | | | | | | | Dowel Dia x Length | Dowel Hole-Dia + .0,0127 - .0,0000 | | | |
| 1010GV | 1 140 | 34,9 – 57,2 | 4,5 | 115,9 | 84,3 | 2,5 | 83,8 | 14,0 | 39,6 | 42,2 | 9,7 | 9,5 x 81,8 | 9,5 | 8,7 | 5 | 1010GV |
| 1015GV | 2 350 | 41,3 – 69,8 | 9,1 | 152,4 | 97,5 | 2,5 | 105,2 | 19,0 | 46,2 | 48,8 | 12,7 | 12,7 x 103,1 | 12,7 | 11,9 | 5 | 1015GV |
| 1020GV | 4 270 | 63,5 – 82,6 | 15,9 | 177,8 | 121,9 | 2,5 | 126,5 | 19,0 | 58,4 | 61,0 | 19,1 | 19,1 x 124,0 | 19,0 | 18,3 | 5 | 1020GV |
| 1025GV | 7 470 | 82,6 – 101,6 | 27,2 | 212,7 | 152,4 | 2,5 | 154,9 | 21,8 | 73,7 | 76,2 | 25,4 | 25,4 x 151,9 | 25,4 | 23,8 | 5 | 1025GV |
| 1030GV | 12 100 | 88,9 – 114,3 | 43,1 | 239,7 | 180,8 | 2,5 | 180,3 | 21,8 | 87,9 | 90,4 | 28,4 | 28,6 x 176,8 | 28,5 | 27,0 | 5 | 1030GV |
| 1035GV | 18 500 | 101,6 – 133,4 | 70,3 | 279,4 | 209,3 | 2,5 | 211,3 | 28,4 | 102,1 | 104,6 | 31,8 | 31,8 x 208,3 | 31,7 | 30,2 | 5 | 1035GV |
| 1040GV | 30 600 | 114,3 – 158,8 | 102 | 317,5 | 238,8 | 4,1 | 245,4 | 28,4 | 115,3 | 119,4 | 35,1 | 34,9 x 241,8 | 34,9 | 33,4 | 8 | 1040GV |
| 1045GV | 42 000 | 127,0 – 177,8 | 141 | 346,1 | 269,2 | 4,1 | 274,1 | 28,4 | 130,6 | 134,6 | 38,1 | 38,1 x 270,3 | 38,1 | 36,5 | 8 | 1045GV |
| 1050GV | 56 600 | 146,0 – 196,8 | 204 | 388,9 | 304,8 | 5,1 | 305,8 | 38,1 | 147,3 | 152,4 | 44,5 | 44,4 x 301,2 | 44,4 | 42,9 | 10 | 1050GV |
| 1055GV | 74 000 | 146,0 – 215,9 | 281 | 425,4 | 355,6 | 5,1 | 334,3 | 38,1 | 172,7 | 177,8 | 44,5 | 44,4 x 330,2 | 44,4 | 42,9 | 10 | 1055GV |
| 1060GV | 90 400 | 171,4 – 235,0 | 336 | 457,2 | 386,1 | 6,6 | 366,0 | 25,4 | 186,4 | 193,0 | 50,8 | 50,8 x 361,2 | 50,8 | 49,2 | 13 | 1060GV |
| 1070GV | 135 000 | 171,4 – 273,1 | 535 | 527,0 | 457,2 | 8,4 | 424,9 | 28,4 | 220,2 | 228,6 | 50,8 | 50,8 x 420,6 | 50,8 | 49,2 | 17 | 1070GV |

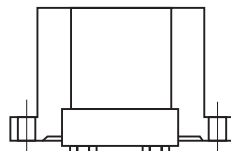
★ Refer to Page 15 for General Information and other Reference Notes.

◆ Dowels: diameters, +0,000,-0,025 mm material, AISI 4140 hardness, 310-350HB; furnished by the Factory. Customer is responsible for checking and furnishing driven shaft with satisfactory capacity.

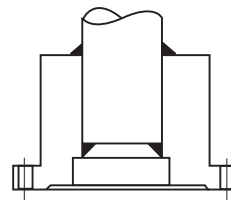
OTHER AXIAL RETENTION OPTIONS — AVAILABLE ON TYPE GXVF (Refer to the Factory)



KEPPER PLATE



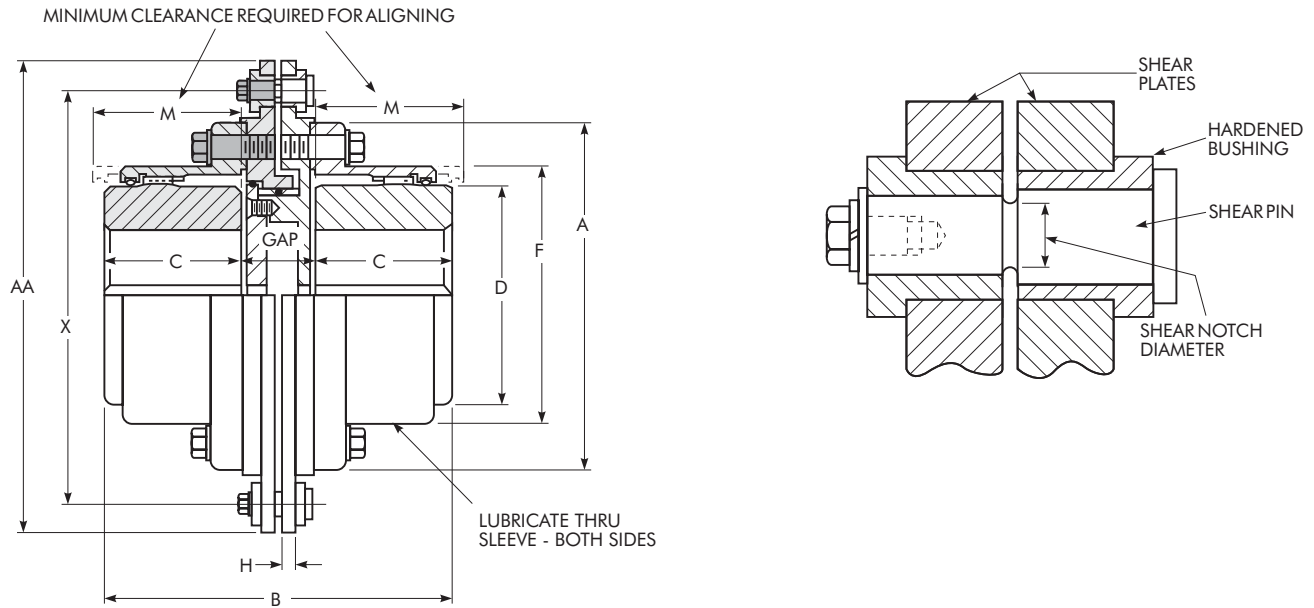
REGISTERED KEPPER PLATE



WELDED

Type GR20 Standard Flanged Sleeve

Shear Pin/Double Engagement Dimensions — Millimeters



| SIZE ★ | Torque Rating (Nm) † | Shear Torque (Nm) | | Allow Speed rpm ‡ | Cplg Wt With No Bore-kg | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | | | SIZE ★ |
|-----------|----------------------|-------------------|---------|-------------------|-------------------------|--------------|--------------------------|-------|-------|-------|-------|------|-------|-------|-------|-----|-----------|
| | | Min | Max | | | | A | B | C | D | F | H | M | X | AA | Gap | |
| 1010GR | 1 140 | 124 | 1 073 | 5000 | 8,62 | 0,0408 | 115,9 | 121,7 | 42,9 | 68,6 | 83,8 | 9,1 | 50,8 | 147,6 | 173,0 | 36 | 1010GR |
| 1015GR | 2 350 | 282 | 2 407 | 4000 | 15,0 | 0,0726 | 152,4 | 138,2 | 49,3 | 86,4 | 105,2 | 9,1 | 61,0 | 184,2 | 209,6 | 40 | 1015GR |
| 1020GR | 4 270 | 599 | 4 452 | 3600 | 28,1 | 0,1134 | 177,8 | 170,2 | 62,0 | 105,2 | 126,5 | 12,2 | 76,2 | 209,6 | 235,0 | 46 | 1020GR |
| 1025GR | 7 470 | 1 062 | 8 011 | 2700 | 49,0 | 0,2268 | 212,7 | 201,7 | 77,0 | 130,6 | 154,9 | 12,2 | 91,4 | 266,7 | 317,5 | 48 | 1025GR |
| 1030GR | 12 100 | 1 774 | 13 344 | 2400 | 66,2 | 0,3629 | 239,7 | 234,2 | 91,2 | 152,4 | 180,3 | 12,2 | 106,7 | 293,7 | 338,1 | 52 | 1030GR |
| 1035GR | 18 500 | 2 542 | 20 462 | 2100 | 102 | 0,5443 | 279,4 | 273,3 | 106,4 | 177,8 | 211,3 | 12,2 | 129,5 | 333,4 | 377,8 | 60 | 1035GR |
| 1040GR | 30 600 | 3 141 | 31 139 | 1900 | 138 | 0,9072 | 317,5 | 301,8 | 120,6 | 209,6 | 245,4 | 12,2 | 144,8 | 371,5 | 415,9 | 60 | 1040GR |
| 1045GR | 42 000 | 5 435 | 42 708 | 1800 | 185 | 1,0433 | 346,1 | 330,2 | 134,9 | 235,0 | 274,1 | 12,2 | 165,1 | 400,0 | 450,8 | 60 | 1045GR |
| 1050GR | 56 600 | 6 982 | 57 837 | 1750 | 279 | 1,7690 | 388,9 | 394,5 | 153,2 | 254,0 | 305,8 | 24,9 | 182,9 | 438,2 | 482,6 | 88 | 1050GR |
| 1055GR | 74 000 | 8 926 | 75 632 | 1500 | 362 | 2,2226 | 425,4 | 424,4 | 168,1 | 279,4 | 334,3 | 24,9 | 203,2 | 482,6 | 533,4 | 88 | 1055GR |
| 1060GR | 90 400 | 12 575 | 100 139 | 1400 | 441 | 3,1751 | 457,2 | 464,6 | 188,2 | 304,8 | 366,0 | 24,9 | 228,6 | 520,7 | 590,8 | 88 | 1060GR |
| 1070GR | 135 000 | 18 044 | 142 429 | 1250 | 670 | 4,3545 | 527,0 | 529,6 | 220,7 | 355,6 | 424,9 | 24,9 | 266,7 | 590,6 | 660,4 | 88 | 1070GR |

★ Refer to Page 15 for General Information and other Reference Notes. Minimum and maximum bores are the same as those for G20, Page 19.

TABLE 8 — Shear Pin Design Criteria

| SIZE | Shear Torque (Nm) | | | |
|--------|-------------------|---------|---------------|---------|
| | 2- Pin Design | | 4- Pin Design | |
| | Minimum | Maximum | Minimum | Maximum |
| 1010GR | 124 | 427 | 428 | 1 073 |
| 1015GR | 282 | 960 | 962 | 2 407 |
| 1020GR | 599 | 1 780 | 1 781 | 4 452 |
| 1025GR | 1 062 | 3 203 | 3 204 | 8 011 |
| 1030GR | 1 774 | 5 339 | 5 340 | 13 344 |
| 1035GR | 2 542 | 8 186 | 8 187 | 20 462 |
| 1040GR | 3 141 | 12 457 | 12 458 | 31 139 |
| 1045GR | 5 435 | 17 083 | 17 084 | 42 708 |
| 1050GR | 6 982 | 23 134 | 23 135 | 57 837 |
| 1055GR | 8 926 | 30 257 | 30 258 | 75 632 |
| 1060GR | 12 575 | 40 053 | 40 054 | 100 139 |
| 1070GR | 18 044 | 56 944 | 56 945 | 142 429 |

Type G Standard Flanged Sleeve

Mill Motor & Taper Bores/Metric Equivalent Dimensions — Millimeters

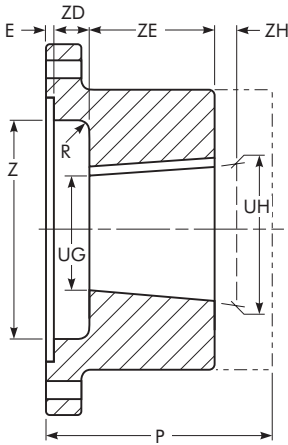
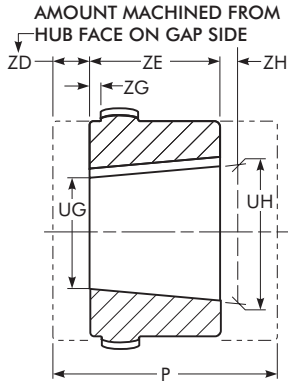


TABLE 9 — Standard AISE AC & DC Mill Motor Coupling Selections

| Motor Frame Sizes | | | COUPLING SIZE * | E (mm) | R (mm) | UG (mm) | UH (mm) | Keyway (mm) | Z (mm) | ZD (mm) | ZE (mm) | ZG (mm) | ZH (mm) |
|-------------------|-----------------|----------------|-----------------|--------|--------|---------|---------|-------------|--------|---------|---------|---------|---------|
| 2 602 | 802 A, B & C | AC 1, 2 & 4 | 1015G | 2,5 | 7,9 | 36,5 | 44,4 | 12,7 x 6,4 | 82,6 | 23,9 | 76,2 | 1,5 | 0,6 |
| | | | 1020G | 2,5 | | | | | | | | 5,6 | |
| | | | 1025G | 2,5 | | | | | | | | 12,4 | |
| 603 604 | 803 804 | ... | 1015G | 2,5 | 9,7 | 41,5 | 50,8 | 12,7 x 6,4 | 85,7 | 25,4 | 88,9 | 0,0 | 0,7 |
| | | | 1020G | 2,5 | | | | | | | | 4,1 | |
| | | | 1025G | 2,5 | | | | | | | | 10,9 | |
| | | | 1030G | 2,5 | | | | | | | | 19,1 | |
| 606 | 806 | AC 8 & 12 | 1020G | 2,5 | 9,7 | 52,9 | 63,5 | 12,7 x 6,4 | 101,6 | 28,4 | 101,6 | 1,0 | 0,7 |
| | | | 1025G | 2,5 | | | | | | | | 7,6 | |
| | | | 1030G | 2,5 | | | | | | | | 15,7 | |
| | | | 1035G | 2,5 | | | | | | | | 25,4 | |
| 608 | 808 | ... | 1025G | 2,5 | 12,7 | 64,3 | 76,2 | 19,0 x 6,4 | 133,4 | 31,8 | 114,3 | 4,6 | 0,7 |
| | | | 1030G | 2,5 | | | | | | | | 12,7 | |
| | | | 1035G | 2,5 | | | | | | | | 22,4 | |
| | | | 1040G | 4,1 | | | | | | | | 32,0 | |
| 610 | 810 | AC180 | 1025G | 2,5 | 12,7 | 70,6 | 82,6 | 19,0 x 6,4 | 142,9♦ | 35,1 | 114,3 | 1,3 | 0,9 |
| | | | 1030G | 2,5 | | | | | | | | 9,7 | |
| | | | 1035G | 2,5 | | | | | | | | 19,3 | |
| | | | 1040G | 4,1 | | | | | | | | 29,0 | |
| 612 | 812 | AC 25 & 30 | 1030G | 2,5 | 12,7 | 78,8 | 92,1 | 19,0 x 6,4 | 158,8 | 38,1 | 127,0 | 6,4 | 0,9 |
| | | | 1035G | 2,5 | | | | | | | | 16,0 | |
| | | | 1040G | 4,1 | | | | | | | | 25,7 | |
| | | | 1045G | 4,1 | | | | | | | | 32,3 | |
| 614 | 814 | AC 40 & 50 | 1035G | 2,5 | 12,7 | 94,7 | 108,0 | 25,4 x 9,5 | 174,6 | 41,1 | 127,0 | 12,7 | 0,9 |
| | | | 1040G | 4,1 | | | | | | | | 22,6 | |
| | | | 1045G | 4,1 | | | | | | | | 29,2 | |
| | | | 1050G | 5,1 | | | | | | | | 40,6 | |
| 616 | 816 | ... | 1035G | 2,5 | 15,7 | 102,9 | 115,8 * | 31,8 x 9,5 | 195,3 | 44,4 | 123,7 * | 9,7 | 0,9 |
| | | | 1040G | 4,1 | | | | | 117,5 | | 139,7 | 19,3 | |
| | | | 1045G | 4,1 | | | | | 117,5 | | 139,7 | 25,9 | |
| | | | 1050G | 5,1 | | | | | 117,5 | | 139,7 | 37,1 | |
| 618 | 818 | ... | 1040G | 4,1 | 15,7 | 111,1 | 127,0 | 31,8 x 12,7 | 212,7 | 33,5 | 152,4 | 30,5 | 1,0 |
| | | | 1045G | 4,1 | | | | | | | | 37,3 | |
| | | | 1050G | 5,1 | | | | | | | | 48,5 | |
| 620 | 820 | ... | 1045G | 4,1 | 19,0 | 131,4 | 149,2 | 38,1 x 19,0 | 247,6 | 44,4 | 171,4 | 25,9 | 1,0 |
| | | | 1050G | 5,1 | | | | | | | | 37,3 | |
| | | | 1055G | 5,1 | | | | | | | | 51,3 | |
| 622 | 822 | ... | 1045G | 4,1 | 19,0 | 139,6 | 158,8 | 38,1 x 19,0 | 247,6 | 60,2 | 184,2 | 10,2 | 1,0 |
| | | | 1050G | 5,1 | | | | | | | | 21,6 | |
| | | | 1055G | 5,1 | | | | | | | | 35,3 | |
| | | | 1060G | 6,6 | | | | | | | | 41,7 | |
| 624 | 824 | ... | 1050G | 5,1 | 19,0 | 153,3 | 177,8 | 38,1 x 19,0 | 247,6 | 60,2 | 235,0 | 21,3 | 1,0 |
| | | | 1055G | 5,1 | | | | | | | | 35,3 | |
| | | | 1060G | 6,6 | | | | | | | | 41,7 | |
| | | | 1070G | 8,4 | | | | | | | | 59,7 | |

* See Page 15 for General Information and other Reference Notes. Minimum coupling selections are based on coupling bore capacity. Check coupling rating for all selections. Refer to Pages 19 & 21 for coupling dimensions.

♦ Spanner wrench required for Size 1025G.

* For rigid hub only.

TABLE 10 — Taper and Counterbore Limitations/Metric Equivalent Dimensions — Millimeters ▲

| SIZE * | Flex Hub | | | | | Rigid Hub | | | | | SIZE * |
|--------|----------|--------|----------|--------|--------|-----------|--------|----------|--------|--------|--------|
| | P Max * | UG Min | UH Max ▼ | ZD Max | ZE Min | P Max * | UG Min | UH Max ▼ | ZD Max | ZE Min | |
| 1010G | 101,6 | 12,7 | 50 | 18,5 | 42,9 | 104,1 | 12,7 | 65 | 76,2 | 39,6 | 1010G |
| 1015G | 114,3 | 19,0 | 65 | 25,4 | 49,3 | 116,8 | 19,0 | 80 | 85,9 | 46,2 | 1015G |
| 1020G | 130,0 | 25,4 | 78 | 29,5 | 62,0 | 132,6 | 25,4 | 98 | 101,6 | 58,4 | 1020G |
| 1025G | 149,4 | 31,8 | 98 | 36,3 | 77,0 | 151,9 | 31,8 | 118 | 142,7 | 73,7 | 1025G |
| 1030G | 165,1 | 38,1 | 111 | 44,4 | 91,2 | 167,6 | 38,1 | 140 | 158,8 | 87,9 | 1030G |
| 1035G | 184,2 | 50,8 | 134 | 54,1 | 106,4 | 170,7 | 50,8 | 163 | 174,8 | 102,1 | 1035G |
| 1040G | 203,2 | 63,5 | 160 | 63,8 | 120,6 | 191,0 | 63,5 | 196 | 212,9 | 114,3 | 1040G |
| 1045G | 244,3 | 76,2 | 183 | 70,4 | 134,9 | 249,4 | 76,2 | 216 | 247,6 | 129,5 | 1045G |
| 1050G | 295,1 | 88,9 | 200 | 81,8 | 153,2 | 300,2 | 88,9 | 235 | 273,0 | 147,3 | 1050G |
| 1055G | 298,4 | 101,6 | 220 | 95,8 | 168,1 | 303,3 | 101,6 | 266 | 298,5 | 172,7 | 1055G |
| 1060G | 304,8 | 114,3 | 244 | 102,1 | 188,2 | 311,2 | 114,3 | 290 | 330,2 | 186,4 | 1060G |
| 1070G | 309,9 | 127,0 | 289 | 120,1 | 220,7 | 312,9 | 127,0 | 340 | 381,0 | 220,2 | 1070G |

▲ This table specifies the taper bore limitations for the usual requirements. For hubs longer than those listed, refer to the Factory.

♦ Standard Long Hub length, consult the Factory for longer lengths.

▼ Keyway for keys shown in Table 11, Page 37.

Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

TABLE 11 — Recommended Commercial Keys for Bores with One Key — Millimeters & Inches

| MILLIMETERS (Per ISO R773 Standard) | | | | | | | | | | | |
|-------------------------------------|---------|--------|----------------|---------|---------|----------------|---------|---------|----------------|---------|----------|
| Shaft Diameter | | Key | Shaft Diameter | | Key | Shaft Diameter | | Key | Shaft Diameter | | Key |
| Over | Through | | Over | Through | | Over | Through | | Over | Through | |
| 6 | 8 | 2 x 2 | 38 | 44 | 12 x 8 | 95 | 110 | 28 x 16 | 260 | 290 | 63 x 32 |
| 8 | 10 | 3 x 3 | 44 | 50 | 14 x 9 | 110 | 130 | 32 x 18 | 290 | 330 | 70 x 36 |
| 10 | 12 | 4 x 4 | 50 | 58 | 16 x 10 | 130 | 150 | 36 x 20 | 330 | 380 | 80 x 40 |
| 12 | 17 | 5 x 5 | 58 | 65 | 18 x 11 | 150 | 170 | 40 x 22 | 380 | 440 | 90 x 45 |
| 17 | 22 | 6 x 6 | 65 | 75 | 20 x 12 | 170 | 200 | 45 x 25 | 440 | 500 | 100 x 50 |
| 22 | 30 | 8 x 7 | 75 | 85 | 22 x 14 | 200 | 230 | 50 x 28 | ... | ... | ... |
| 30 | 38 | 10 x 8 | 85 | 95 | 25 x 14 | 230 | 260 | 56 x 32 | ... | ... | ... |

| INCHES (Per ANSI B17.1 Standard) | | | | | | | | | | | |
|----------------------------------|---------|-------------|----------------|---------|---------------|----------------|---------|---------------|----------------|---------|---------------|
| Shaft Diameter | | Key | Shaft Diameter | | Key | Shaft Diameter | | Key | Shaft Diameter | | Key |
| Over | Through | | Over | Through | | Over | Through | | Over | Through | |
| .438 | .562 | .125 x .125 | 1.750 | 2.250 | .500 x .500 | 4.500 | 5.500 | 1.250 x 1.250 | 11.000 | 13.000 | 3.000 x 2.000 |
| .562 | .875 | .188 x .188 | 2.250 | 2.750 | .625 x .625 | 5.500 | 6.500 | 1.500 x 1.500 | 13.000 | 15.000 | 3.500 x 2.500 |
| .875 | 1.250 | .250 x .250 | 2.750 | 3.250 | .750 x .750 | 6.500 | 7.500 | 1.750 x 1.500 | 15.000 | 18.000 | 4.000 x 3.000 |
| 1.250 | 1.375 | .312 x .312 | 3.250 | 3.750 | .875 x .875 | 7.500 | 9.000 | 2.000 x 1.500 | 18.000 | 22.000 | 5.000 x 3.500 |
| 1.375 | 1.750 | .375 x .375 | 3.750 | 4.500 | 1.000 x 1.000 | 9.000 | 11.000 | 2.500 x 1.750 | ... | ... | ... |

TABLE 12 — Shaft Diameters & Ratings for NEMA 60 Hertz & 50 Hertz Metric Motors

| 50 HERTZ METRIC MOTORS (kW) | | | | | | | | | | | | | | | | | | |
|-----------------------------|--------------|------|------|-------------|------|------------|----------|----------|------|------|------|------------|----------|----------|--------------|--------------|--------------|--------------|
| Frame Size | 80 | 90S | 90L | 100L | 112M | 132S | 132M | 160M | 160L | 180M | 180L | 200M/L | 225S | 225M | 250S | 250M | 280S | 280M |
| Shaft Diameter | 19 | 24 | 24 | 28 | 28 | 38 | 38 | 42 | 42 | 48 | 48 | 55 | 55 60 | 55 60 | 60, 65 70 | 60, 65 70 | 65, 75 80 | 65, 75 80 |
| 3000 RPM | 0,75 1,10 | 1,5 | 2,2 | 3,0 | 4 | 5,5 7,5 | | 11 15 | 18,5 | 22 | | 30 37 | 45 | 45 | 55 | 55 75 | 75 90 | 90 110 |
| 1500 RPM | 0,55 0,75 | 1,1 | 1,5 | 2,2 3,0 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 45 | 45 | 55 | 55 75 | 75 90 | 90 110 |
| 1000 RPM | 0,37 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 5,5 | 7,5 | 11 | | 15 | 18,5 22 | 30 | 30 | 37 | 37 45 | 45 50 | 55 75 |
| 750 RPM | 0,18 0,25 | 0,37 | 0,55 | 0,75 1,1 | 1,5 | 2,2 | 3 | 4 5,5 | 7,5 | | 11 | 15 | 18,5 | 22 | 30 | 30 37 | 37 45 | 45 55 |

| NEMA 60 HERTZ MOTORS (hp) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------------|-------|---------|-------|-------|-------|------|-------|-------|------|------|------|------|------|------|------|-----------|------|------|------|------|------|------|------|------|------|------|------|-----|
| Frame Size | T Frames | | | | | | | | | | | | | | | | TS Frames | | | | | | | | | | | | |
| | 143 | 145 | 182 | 184 | 213 | 215 | 254 | 256 | 284 | 286 | 324 | 326 | 364 | 365 | 404 | 405 | 444 | 445 | 284 | 286 | 324 | 326 | 364 | 365 | 404 | 405 | 444 | 445 | |
| Shaft Diameter | .88 | .88 | 1.13 | 1.13 | 1.38 | 1.38 | 1.63 | 1.63 | 1.88 | 1.88 | 2.13 | 2.13 | 2.38 | 2.38 | 2.88 | 2.88 | 3.38 | 3.38 | 1.63 | 1.63 | 1.88 | 1.88 | 1.88 | 1.88 | 2.13 | 2.13 | 2.38 | 2.38 | |
| 3600 RPM | Drip Proof | 1 1/2 | 2-3 | 5 | 7 1/2 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 200 | 250 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 200 | 250 |
| | Enclosed | 1 1/2 | 2 | 3 | 5 | 7 1/2 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 75 | ... | 100 | 125 | 150 | 25 | 30 | 40 | 50 | 60 | 75 | ... | 100 | 125 | 150 |
| 1800 RPM | Drip Proof | 1 | 1 1/2-2 | 3 | 5 | 7 1/2 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 200 | 25 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 200 |
| | Enclosed | 1 | 1 1/2-2 | 3 | 5 | 7 1/2 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 75 | ... | 100 | 125 | 150 | 25 | 30 | 40 | 50 | 60 | 75 | ... | 100 | 125 | 150 |
| 1200 RPM | Drip Proof & Enclosed | 3/4 | 1 | 1 1/2 | 2 | 3 | 5 | 7 1/2 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 75 | 100 | 125 |
| 900 RPM | Drip Proof & Enclosed | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 3 | 5 | 7 1/2 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 75 | 100 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 75 | 100 |



Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

TABLE 13 — Type G & GC Flex/Pilot Hub & Maximum Bores — Millimeters & Inches

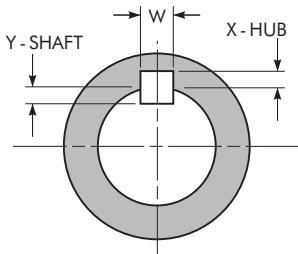
| SIZE ★ | MILLIMETERS — Fits Per Table 12 | | | | INCHES | | | | | | | | | | |
|-----------|---------------------------------|----------------------------|--------------------------------|--------------------------------|---------------------|-------|-------|--------------------------|-------|------|------------|-------|-------------|---------------------------------|--------------------------------|
| | Min Bore ■ | Max. Bore ° | | | With One Square Key | | | With One Rectangular Key | | | | | Max. Bore ° | | |
| | | Std Bore Fits Per Table 15 | Int Fit w/Setscrew Over Keyway | With Puller Holes Per Table 17 | Max Bore ● | Y=X | | Max Bore ● | Y = X | | Max Bore ● | Y=W/2 | | Int Fit w/ Setscrew Over Keyway | With Puller Holes Per Table 17 |
| | | | | | | W | X | | W | X | | W | X | | |
| 1010G/GC | 13 | 50 | 45 | 38 | 1.875 | .500 | .250 | 2.000 | .500 | .187 | 2.125 | .500 | .125 | 1.750 | 1.500 |
| 1015G/GC | 20 | 65 | 60 | 54 | 2.375 | .625 | .312 | 2.500 | .625 | .218 | 2.750 | .625 | .125 | 2.250 | 2.125 |
| 1020G/GC | 26 | 78 | 75 | 72 | 2.875 | .750 | .375 | 3.125 | .750 | .250 | 3.250 | .750 | .125 | 2.750 | 2.875 |
| 1025G/GC | 32 | 98 | 88 | 92 | 3.625 | .875 | .437 | 3.875 | 1.000 | .375 | 4.000 | 1.000 | .250 | 3.250 | 3.625 |
| 1030G/GC | 39 | 111 | 101 | 104 | 4.125 | 1.000 | .500 | 4.375 | 1.000 | .375 | 4.750 | 1.250 | .250 | 3.750 | 4.125 |
| 1035G/GC | 51 | 134 | 121 | 124 | 4.875 | 1.250 | .625 | 5.250 | 1.250 | .437 | 5.750 | 1.500 | .250 | 4.500 | 4.875 |
| 1040G | 64 | 160 | 150 | 146 | 5.750 | 1.500 | .750 | 6.250 | 1.500 | .500 | 6.500 | 1.500 | .250 | 5.500 | 5.750 |
| 1045G | 77 | 183 | 160 | 171 | 6.500 | 1.500 | .750 | 6.750 | 1.750 | .750 | ... | ... | ... | 5.750 | 6.750 |
| 1050G | 89 | 200 | 177 | 187 | 7.000 | 1.750 | .875 | 7.375 | 1.750 | .750 | ... | ... | ... | 6.500 | 7.375 |
| 1055G | 102 | 220 | 200 | 209 | 7.750 | 2.000 | 1.000 | 8.250 | 2.000 | .750 | ... | ... | ... | 7.500 | 8.250 |
| 1060G | 115 | 244 | 212 | 232 | 8.750 | 2.000 | 1.000 | 9.125 | 2.500 | .875 | ... | ... | ... | 8.000 | 9.125 |
| 1070G | 127 | 289 | 235 | 276 | 10.000 | 2.500 | 1.250 | 10.875 | 2.500 | .875 | ... | ... | ... | 9.000 | 10.875 |

TABLE 14 — Type G & GC Rigid Hub Maximum Bores — Millimeters & Inches

| SIZE ★ | MILLIMETERS — Fits Per Table 12 | | | | INCHES | | | | | | | | | | |
|-----------|---------------------------------|----------------------------|--------------------------------|--------------------------------|---------------------|-------|-------|--------------------------|-------|-------|------------|-------|-------------|---------------------------------|--------------------------------|
| | Min Bore ■ | Max Bore ° | | | With One Square Key | | | With One Rectangular Key | | | | | Max. Bore ° | | |
| | | Std Bore Fits Per Table 15 | Int Fit w/Setscrew Over Keyway | With Puller Holes Per Table 17 | Max Bore ● | Y=X | | Max Bore ● | Y = X | | Max Bore ● | Y=W/2 | | Int Fit w/ Setscrew Over Keyway | With Puller Holes Per Table 17 |
| | | | | | | W | X | | W | X | | W | X | | |
| 1010G | 13 | 65 | 60 | 51 | 2.375 | .625 | .312 | 2.500 | .625 | .218 | 2.750 | .625 | .125 | 2.250 | 2.000 |
| 1015G | 20 | 80 | 75 | 70 | 2.937 | .750 | .375 | 3.250 | .750 | .250 | 3.375 | .875 | .187 | 2.750 | 2.750 |
| 1020G | 26 | 98 | 88 | 92 | 3.625 | .875 | .437 | 3.875 | 1.000 | .375 | 4.000 | 1.000 | .250 | 3.250 | 3.625 |
| 1025G | 32 | 118 | 107 | 111 | 4.375 | 1.000 | .500 | 4.625 | 1.250 | .437 | 4.875 | 1.250 | .250 | 3.875 | 4.375 |
| 1030G | 39 | 140 | 121 | 130 | 5.125 | 1.250 | .625 | 5.500 | 1.250 | .437 | 5.875 | 1.500 | .250 | 4.500 | 5.125 |
| 1035G | 51 | 163 | 150 | 150 | 5.875 | 1.500 | .750 | 6.500 | 1.500 | .500 | ... | ... | ... | 5.500 | 5.875 |
| 1040G | 64 | 196 | 167 | 185 | 6.750 | 1.750 | .875 | 7.250 | 1.750 | .750 | ... | ... | ... | 6.000 | 7.250 |
| 1045G | 77 | 216 | 190 | 205 | 7.625 | 1.750 | .875 | 8.125 | 2.000 | .750 | ... | ... | ... | 7.000 | 8.125 |
| 1050G | 89 | 235 | 220 | 228 | 8.750 | 2.000 | 1.000 | 9.000 | 2.000 | .750 | ... | ... | ... | 8.250 | 9.000 |
| 1055G | 102 | 266 | 230 | 250 | 9.750 | 2.000 | 1.000 | 10.000 | 2.500 | .875 | ... | ... | ... | 8.750 | 10.000 |
| 1060G | 115 | 290 | 260 | 280 | 10.500 | 2.500 | 1.250 | 11.000 | 2.500 | .875 | ... | ... | ... | 9.750 | 11.000 |
| 1070G | 127 | 340 | 290 | 330 | 12.000 | 3.000 | 1.500 | 13.000 | 3.000 | 1.000 | ... | ... | ... | 11.000 | 13.000 |

★ See Page 15 for General Information and other Reference Notes.

□ Shaded areas indicate maximum bores for standard keys recommended in Table 11.



Check Key Stresses

**TABLE 15 — Recommended Bore Tolerances
Falk Steel Coupling Hubs – Millimeters**

| Shaft Diameter (ISO/R775-1969) | | Bore Diameter Tolerance | | |
|-----------------------------------|-----------|-------------------------|--------------|--------------|
| Nominal | Tolerance | Clearance | Transitional | Interference |
| 6 to 30 | j6/k6 ♦ | F7 | H7 | M6 |
| Over 30 to 50 | k6 | F7 | H7 | K6 |
| Over 50 to 80 | m6 | F7 | H7 | K7 |
| Over 80 to 100 | m6 | F7 | H7 | M7 |
| Over 100 to 200 | m6 | F7 | H7 | P7 |
| Over 200 to 355 | m6 | F7 | H7 | R7 |
| Over 355 to 500 | m6 | F7 | H7 | R8 |

♦ Per DIN 748 — Differs with ISO/R775.



Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

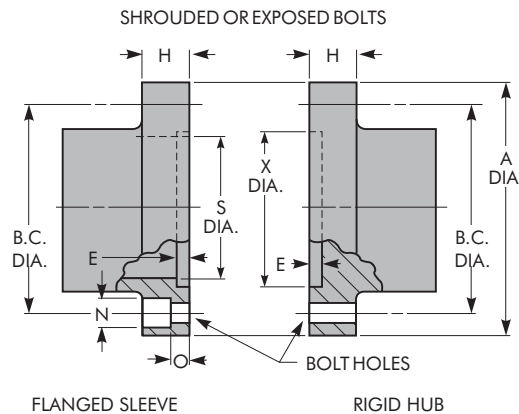
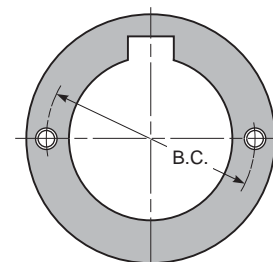


TABLE 16 — Flanged Sleeve and Rigid Hub Details

| SIZE ★ | Shrouded or Exposed Bolts - Millimeters | | | | | Shrouded | | | | Exposed | |
|-----------|---|-------------|------|-------------|-------------|--------------|-------------------------|-----------|-----------|--------------|-------------------------|
| | A + 0,00– 0,10 | E ± 0,25 | H | S ± 0,25 | X ± 0,25 | B.C. (mm) | Bolt No.-Dia (in) | N (mm) | O (mm) | B.C. (mm) | Bolt No.-Dia (in) |
| 1010G | 115,87 | 2,54 | 14,0 | 77,72 | 80,77 | 95,25 | 6-250 | 11,7 | 6,35 | 95,25 | 6-250 |
| 1015G | 152,40 | 2,54 | 19,0 | 96,77 | 99,57 | 122,22 | 8-375 | 14,7 | 6,35 | 122,22 | 8-375 |
| 1020G | 177,80 | 2,54 | 19,0 | 117,86 | 121,92 | 147,62 | 10-375 | 14,7 | 6,35 | 149,23 | 6-500 |
| 1025G | 212,73 | 2,54 | 19,0 | 144,78 | 148,84 | 177,80 | 10-500 | 19,8 | 8,13 | 180,98 | 6-625 |
| 1030G | 239,73 | 2,54 | 21,8 | 169,16 | 173,22 | 203,20 | 12-500 | 19,8 | 8,13 | 206,38 | 8-625 |
| 1035G | 279,40 | 2,54 | 21,8 | 195,33 | 199,64 | 235,74 | 12-625 | 24,6 | 10,16 | 241,30 | 8-750 |
| 1040G | 317,50 | 4,06 | 28,4 | 230,12 | 234,95 | 269,88 | 14-625 | 24,6 | 10,16 | 279,40 | 8-750 |
| 1045G | 346,08 | 4,06 | 28,4 | 255,52 | 260,35 | 298,45 | 14-625 | 24,6 | 10,16 | 304,80 | 10-750 |
| 1050G | 388,95 | 5,08 | 38,1 | 280,92 | 290,07 | 334,98 | 14-750 | 29,5 | 14,22 | 342,90 | 8-875 |
| 1055G | 425,45 | 5,08 | 38,1 | 307,09 | 315,47 | 366,73 | 16-750 | 29,5 | 14,22 | 368,30 | 14-875 |
| 1060G | 457,20 | 6,60 | 25,4 | 337,31 | 353,57 | ... | ... | ... | ... | 400,05 | 14-875 |
| 1070G | 527,05 | 8,38 | 25,4 | 388,62 | 404,88 | ... | ... | ... | ... | 463,55 | 16-1000 |

TABLE 17 — Puller Bolt Holes (Conforms to API 610 Specs.)

| SIZE ★ | B.C. — Millimeters | | Tap Size UNC |
|------------|--------------------|-----------|-----------------|
| | Flex Hub/Pilot Hub | Rigid Hub | |
| 1010G/GC * | 52,32 | 66,68 | M10 x 1.5 x 13 |
| 1015G/GC * | 69,85 | 85,73 | M10 x 1.5 x 13 |
| 1020G/GC | 88,90 | 107,95 | M10 x 1.5 x 13 |
| 1025G/GC | 112,78 | 133,10 | M10 x 1.5 x 13 |
| 1030G/GC | 128,52 | 156,46 | M10 x 1.5 x 13 |
| 1035G/GC | 152,40 | 182,37 | M12 x 1.75 x 16 |
| 1040G | 180,98 | 209,80 | M16 x 2.0 x 20 |
| 1045G | 200,03 | 233,17 | M16 x 2.0 x 20 |
| 1050G | 215,90 | 259,08 | M20 x 2.5 x 22 |
| 1055G | 238,13 | 284,48 | M20 x 2.5 x 22 |
| 1060G | 263,53 | 316,48 | M20 x 2.5 x 22 |
| 1070G | 311,15 | 368,30 | M24 x 3.0 x 30 |



Puller bolt holes are available for an extra charge.

★ See Page 15 for General Information and other Reference Notes.

* See Tables 13 and 14 for maximum bore limitation with puller holes.

Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

TABLE 18 — Torsional Stiffness (x 10⁶ Nm/Radian)

| SIZE ★ | Exposed Bolt Types | | | | Shrouded Bolt Types | | | | Continuous Sleeve | |
|-----------|--------------------|------------|--------------------|----------|---------------------|------------|--------------------|-------|-------------------|------|
| | Half Couplings | | Complete Couplings | | Half Couplings | | Complete Couplings | | | |
| | Flex Half | Rigid Half | G20 GP20 | G52 GP52 | Flex Half | Rigid Half | G10 | G51 | GC02 | GC05 |
| 1010G/GC | 4,7 | 10,3 | 2,4 | 3,2 | 3,2 | 9,5 | 1,6 | 2,4 | 3,3 | 3,2 |
| 1015G/GC | 12,1 | 24,1 | 6,0 | 8,0 | 8,9 | 21,2 | 4,4 | 6,2 | 6,8 | 6,7 |
| 1020G/GC | 18,3 | 39,4 | 9,2 | 12,4 | 14,5 | 35,8 | 7,2 | 10,3 | 11,6 | 11,5 |
| 1025G/GC | 27,8 | 69,0 | 13,9 | 20,0 | 22,3 | 62,9 | 11,2 | 16,5 | 21,9 | 22,0 |
| 1030G/GC | 40,1 | 103,0 | 20,0 | 28,8 | 33,1 | 95,8 | 16,5 | 24,6 | 34,3 | 34,6 |
| 1035G/GC | 53,0 | 169,6 | 26,4 | 40,3 | 56,0 | 154,9 | 28,0 | 41,1 | 48,9 | 49,9 |
| 1040G | 108,8 | 268,5 | 54,3 | 77,4 | 78,9 | 241,6 | 39,4 | 59,4 | ... | ... |
| 1045G | 138,2 | 355,2 | 69,0 | 99,4 | 114,9 | 332,4 | 57,4 | 85,4 | ... | ... |
| 1050G | 222,1 | 477,5 | 111,1 | 151,6 | 177,7 | 457,8 | 88,8 | 128,0 | ... | ... |
| 1055G | 244,9 | 607,3 | 122,4 | 175,6 | 220,8 | 564,3 | 110,4 | 158,6 | ... | ... |
| 1060G | 292,4 | 743,9 | 146,2 | 209,8 | ... | ... | ... | ... | ... | ... |
| 1070G | 483,1 | 1152,7 | 241,6 | 340,4 | ... | ... | ... | ... | ... | ... |

TABLE 19 — WR² Values

| SIZE ★ | Type G and GP KgM ² (With No Bore) | | | | | | | | | | | Type GL | | Type GV | | | | Type GC | |
|-----------|---|----------|------------------|-----------------------|--|--------|----------|--------|--------|--------|---------------|---------|--------|---------|--------|--------|--------|---------|--------|
| | G10 | G20 GP20 | G32 [†] | | Spacer * KgM ² per mm | G51 | G52 GP52 | G70 | G72 | G81 | G82 GP82 GV82 | GL20 | GL52 | GV10 | GV20 | GV51 | GV52 | GC02 | GC05 |
| | | | Min. BE | Cplg. WR ² | | | | | | | | | | | | | | | |
| 1010G/GC | 0,0047 | 0,0056 | 82,55 | 0,0102 | 0,0004 | 0,0050 | 0,0059 | 0,0032 | 0,0061 | 0,0050 | 0,0059 | 0,0059 | 0,0059 | 0,0047 | 0,0056 | 0,0050 | 0,0059 | 0,0030 | 0,0030 |
| 1015G/GC | 0,0161 | 0,0205 | 82,55 | 0,0366 | 0,0005 | 0,0164 | 0,0208 | 0,0085 | 0,0225 | 0,0167 | 0,0214 | 0,0211 | 0,0211 | 0,0158 | 0,0202 | 0,0167 | 0,0211 | 0,0085 | 0,0088 |
| 1020G/GC | 0,0360 | 0,0439 | 82,55 | 0,0717 | 0,0012 | 0,0380 | 0,0454 | 0,0234 | 0,0497 | 0,0395 | 0,0468 | 0,0454 | 0,0454 | 0,0366 | 0,0424 | 0,0380 | 0,0468 | 0,0225 | 0,0234 |
| 1025G/GC | 0,0884 | 0,1127 | 95,25 | 0,1785 | 0,0023 | 0,0936 | 0,1170 | 0,0614 | 0,1244 | 0,0995 | 0,1229 | 0,1156 | 0,1185 | 0,0892 | 0,1127 | 0,0951 | 0,1185 | 0,0644 | 0,0658 |
| 1030G/GC | 0,1697 | 0,2063 | 95,25 | 0,3175 | 0,0034 | 0,1814 | 0,2180 | 0,1317 | 0,2341 | 0,1931 | 0,2297 | 0,2165 | 0,2224 | 0,1697 | 0,2063 | 0,1829 | 0,2195 | 0,1369 | 0,1399 |
| 1035G/GC | 0,3862 | 0,4755 | 120,65 | 0,7300 | 0,0078 | 0,4067 | 0,4960 | 0,2750 | 0,5208 | 0,4213 | 0,5164 | 0,4930 | 0,5033 | 0,3833 | 0,4725 | 0,4053 | 0,4989 | 0,2663 | 0,2712 |
| 1040G | 0,7593 | 0,9085 | 120,65 | 1,32 | 0,0144 | 0,8003 | 0,9510 | 0,5764 | 0,9817 | 0,8339 | 0,9948 | 0,9539 | 0,9656 | 0,7549 | 0,9041 | 0,8047 | 0,9612 | ... | ... |
| 1045G | 1,24 | 1,47 | 120,65 | 2,07 | 0,0258 | 1,31 | 1,52 | 1,01 | 1,51 | 1,37 | 1,57 | 1,54 | 1,54 | 1,23 | 1,46 | 1,32 | 1,53 | ... | ... |
| 1050G | 2,20 | 2,63 | 146,05 | 3,87 | 0,0351 | 2,35 | 2,79 | 1,64 | 2,78 | 2,50 | 2,94 | 2,76 | 2,83 | 2,21 | 2,64 | 2,39 | 2,82 | ... | ... |
| 1055G | 3,65 | 4,03 | 146,05 | 5,78 | 0,0465 | 3,97 | 4,39 | 2,40 | 4,18 | 4,28 | 4,74 | 4,23 | 4,45 | 3,65 | 4,04 | 4,01 | 4,44 | ... | ... |
| 1060G | ... | 5,33 | 146,05 | 6,61 | 0,0661 | ... | 5,79 | 3,96 | 6,09 | ... | 6,25 | 5,69 | 5,91 | ... | 5,37 | ... | 5,90 | ... | ... |
| 1070G | ... | 11,3 | 146,05 | 14,8 | 0,0971 | ... | 12,3 | 8,29 | 11,8 | ... | 13,3 | 12,0 | 12,5 | ... | 11,4 | ... | 12,5 | ... | ... |

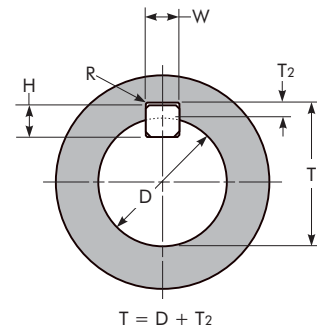
★ See Page 15 for General Information and other Reference Notes.
 † To determine total WR² of spacer couplings with a BE (distance between shaft ends) greater than minimum:
 1. Subtract minimum BE from required BE.
 2. Multiply the result of Step 1 by the appropriate spacer WR² and add to coupling WR² at minimum BE.
 * Values apply to the tube portion only. Flange WR² is included in the spacer WR² for minimum BE.

TABLE 20 — Standard Filleted Keyways & Chamfered Keys — Millimeters

| Nominal Bore | | Key | | | Hub Keyway | | | | |
|--------------|------|----------------|---------|---------|-----------------|--------------------------------------|---------|---------------|---------|
| Over | Thru | Size (Nominal) | Chamfer | | Nominal Width * | Depth (T ₂) [■] | | Fillet Radius | |
| | | | Minimum | Maximum | | Minimum | Maximum | Minimum | Maximum |
| 12 | 17 | 5 x 5 | 0,25 | 0,40 | 5 | 2,3 | 2,4 | 0,16 | 0,25 |
| 17 | 22 | 6 x 6 | 0,25 | 0,40 | 6 | 2,8 | 2,9 | 0,16 | 0,25 |
| 22 | 30 | 8 x 7 | 0,25 | 0,40 | 8 | 3,3 | 3,5 | 0,16 | 0,25 |
| 30 | 38 | 10 x 8 | 0,40 | 0,60 | 10 | 3,3 | 3,5 | 0,25 | 0,40 |
| 38 | 44 | 12 x 8 | 0,40 | 0,60 | 12 | 3,3 | 3,5 | 0,25 | 0,40 |
| 44 | 50 | 14 x 9 | 0,40 | 0,60 | 14 | 3,8 | 4,0 | 0,25 | 0,40 |
| 50 | 58 | 16 x 10 | 0,40 | 0,60 | 16 | 4,3 | 4,5 | 0,25 | 0,40 |
| 58 | 65 | 18 x 11 | 0,40 | 0,60 | 18 | 4,4 | 4,6 | 0,25 | 0,40 |
| 65 | 75 | 20 x 12 | 0,60 | 0,80 | 20 | 4,9 | 5,1 | 0,40 | 0,60 |
| 75 | 85 | 22 x 14 | 0,60 | 0,80 | 22 | 5,4 | 5,6 | 0,40 | 0,60 |
| 85 | 95 | 25 x 14 | 0,60 | 0,80 | 25 | 5,4 | 5,6 | 0,40 | 0,60 |
| 95 | 110 | 28 x 16 | 0,60 | 0,80 | 28 | 6,4 | 6,6 | 0,40 | 0,60 |
| 110 | 130 | 32 x 18 | 0,60 | 0,80 | 32 | 7,4 | 7,6 | 0,40 | 0,60 |
| 130 | 150 | 36 x 20 | 1,00 | 1,20 | 36 | 8,4 | 8,7 | 0,70 | 1,00 |
| 150 | 170 | 40 x 22 | 1,00 | 1,20 | 40 | 9,4 | 9,7 | 0,70 | 1,00 |
| 170 | 200 | 45 x 25 | 1,00 | 1,20 | 45 | 10,4 | 10,7 | 0,70 | 1,00 |
| 200 | 230 | 50 x 28 | 1,00 | 1,20 | 50 | 11,4 | 11,7 | 0,70 | 1,00 |
| 230 | 260 | 56 x 32 | 1,60 | 2,00 | 56 | 12,4 | 12,7 | 1,20 | 1,60 |
| 260 | 290 | 63 x 32 | 1,60 | 2,00 | 63 | 12,4 | 12,7 | 1,20 | 1,60 |
| 290 | 330 | 70 x 36 | 1,60 | 2,00 | 70 | 14,4 | 14,7 | 1,20 | 1,60 |

Standard Filleted Keyways & Chamfered Keys

Fillets are standard in metric keyways. If fillets are required in inch keyways, refer to Factory for recommendations.



● Standard keyway width tolerance is Js9.

■ T₂ is from the top of the bore to the top of the hub keyway.

Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

VARIABLE GAP — Normally it is not necessary to overhang gear coupling hubs since the hubs can readily be reversed to produce different gap dimensions as illustrated in Figures 1, 2 and 4 below. Also, long hubs from Table 10, Page 36, can be cut off to suit required gap as illustrated in Figures 3 and 5 below.

However, when the distance between shafts is greater than the allowable coupling gap, overhang one or both hubs. It must be remembered that this practice reduces shaft-hub engagement. If the overhang with a standard hub results in less than .75 times the shaft diameter engagement, a coupling with long hubs is recommended. Use the standard interference fit and check key strength.

CAUTION: The effect of open keyways on coupling balance should always be considered.

If axial shaft movement is required, use the Type GL slide coupling.

MISALIGNMENT CAPACITY — Shaft misalignment can be due to the combined effects of both parallel and angular shaft displacement. Falk 1000 series gear couplings are designed to accommodate a static misalignment of 1-1/2° per gear mesh. The recommended installation misalignment is limited to 1/8° per gear mesh. Axial movement of connected shafts is also accommodated.

It is important that flexible couplings be properly aligned so that the maximum benefits of the equipment can be obtained. These benefits include the following:

1. Longer coupling life with minimum maintenance.
2. Longer life of the connected equipment as a result of reduced bending moments and radial forces which are related to the amount of misalignment.
3. Permit drive systems to have reserve misalignment capacity to accommodate unavoidable alignment changes caused by bearing wear foundation settling, thermal expansion, etc.

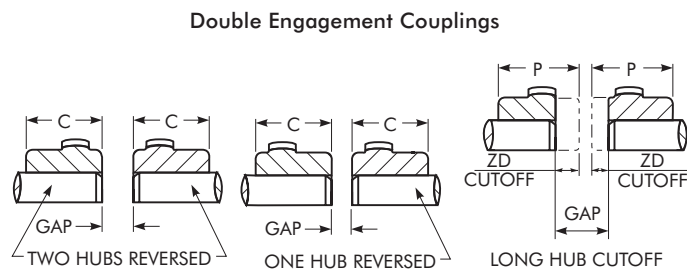


Figure 1

Figure 2

Figure 3

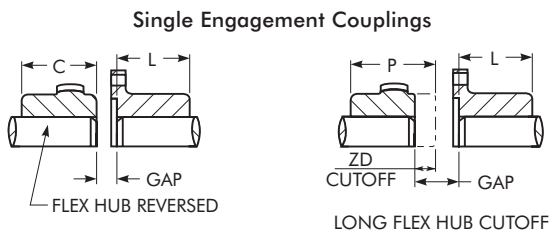


Figure 4

Figure 5

TABLE 21 — Type G Only Variable Gap — Millimeters

| SIZE * | C Std | L Std | P Max | ZD Max † | Coupling Gap | | | | | | |
|--------|-------|-------|-------|----------|-------------------|-------|-------|-------------------|-----|-------|-------|
| | | | | | Double Engagement | | | Single Engagement | | | |
| | | | | | Std | Fig 1 | Fig 2 | Fig 3 | Std | Fig 4 | Fig 5 |
| 1010G | 42,9 | 39,6 | 101,6 | 18,5 | 3 | 10 | 7 | 40 | 4 | 8 | 23 |
| 1015G | 49,3 | 46,2 | 114,3 | 25,4 | 3 | 29 | 16 | 54 | 4 | 17 | 29 |
| 1020G | 62,0 | 58,4 | 130,0 | 29,5 | 3 | 27 | 15 | 62 | 4 | 16 | 33 |
| 1025G | 77,0 | 73,7 | 149,4 | 36,3 | 5 | 34 | 19 | 77 | 5 | 19 | 41 |
| 1030G | 91,2 | 87,9 | 165,1 | 44,4 | 5 | 45 | 25 | 94 | 5 | 25 | 49 |
| 1035G | 106,4 | 102,1 | 184,2 | 54,1 | 6 | 61 | 34 | 115 | 6 | 33 | 60 |
| 1040G | 120,6 | 115,3 | 203,2 | 63,8 | 6 | 61 | 43 | 134 | 7 | 44 | 71 |
| 1045G | 134,9 | 130,6 | 244,3 | 70,4 | 8 | 86 | 47 | 149 | 8 | 47 | 78 |
| 1050G | 153,2 | 147,3 | 295,1 | 81,8 | 8 | 102 | 55 | 172 | 9 | 56 | 91 |
| 1055G | 168,1 | 172,7 | 298,4 | 95,8 | 8 | 134 | 71 | 199 | 9 | 72 | 105 |
| 1060G | 188,2 | 186,4 | 304,8 | 102,1 | 8 | 127 | 68 | 212 | 10 | 70 | 112 |
| 1070G | 220,7 | 220,2 | 309,9 | 120,1 | 10 | 150 | 80 | 250 | 13 | 83 | 133 |

* See Page 15 for General Information and other Reference Notes.

† Standard gap must be increased by the amount cut off the hub, to maintain the correct flex hub tooth position.

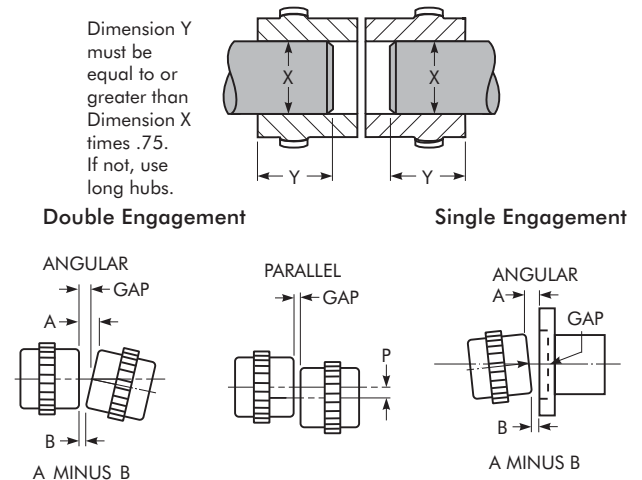


TABLE 22 — Misalignment Capacity – Millimeters *

| SIZE * | Double Engagement | | | | Single Engagement ▲ | |
|--------|----------------------------------|------------------------|------------------------|------------------------|------------------------------------|-------------------------------|
| | Recommended Installation Maximum | | Maximum Operating * | | Angular Maximum Millimeters | |
| | Parallel Offset-(mm) P | Angular (mm) A Minus B | Parallel Offset-(mm) P | Angular (mm) A Minus B | Recommended Installation A Minus B | Maximum Operating * A Minus B |
| 1010G | 0,05 | 0,15 | 0,66 | 1,80 | 0,15 | 0,89 |
| 1010GC | 0,04 | 0,08 | 0,28 | 1,80 | 0,15 | 0,89 |
| 1015G | 0,08 | 0,18 | 0,86 | 2,26 | 0,18 | 1,14 |
| 1015GC | 0,04 | 0,18 | 0,43 | 2,26 | 0,18 | 1,14 |
| 1020G | 0,08 | 0,23 | 1,02 | 2,74 | 0,23 | 1,37 |
| 1020GC | 0,04 | 0,23 | 0,48 | 2,74 | 0,23 | 1,37 |
| 1025G | 0,10 | 0,28 | 1,27 | 3,43 | 0,28 | 1,70 |
| 1025GC | 0,05 | 0,28 | 0,61 | 3,43 | 0,28 | 1,70 |
| 1030G | 0,13 | 0,33 | 1,52 | 3,99 | 0,33 | 2,01 |
| 1030GC | 0,05 | 0,33 | 0,69 | 3,99 | 0,33 | 2,01 |
| 1035G | 0,15 | 0,38 | 1,83 | 4,65 | 0,38 | 2,34 |
| 1035GC | 0,08 | 0,33 | 0,81 | 4,65 | 0,38 | 2,34 |
| 1040G | 0,18 | 0,46 | 2,13 | 5,49 | 0,46 | 2,74 |
| 1045G | 0,20 | 0,51 | 2,39 | 6,15 | 0,51 | 3,07 |
| 1050G | 0,23 | 0,56 | 2,72 | 6,65 | 0,56 | 3,33 |
| 1055G | 0,28 | 0,61 | 3,12 | 7,32 | 0,61 | 3,66 |
| 1060G | 0,28 | 0,66 | 3,35 | 7,98 | 0,66 | 3,99 |
| 1070G | 0,33 | 0,79 | 3,94 | 9,32 | 0,79 | 4,65 |

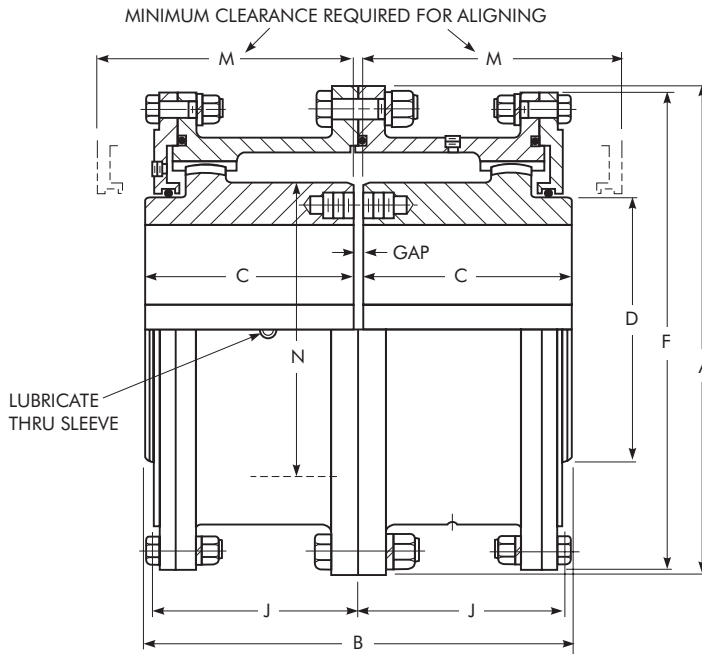
* These maximum operating alignment limits are each based on 3/4° per flex half coupling. Combined values of parallel and angular misalignment should not exceed 3/4°. Type GL slide couplings are limited to 1/4° per flex half.

▲ Do not use single engagement couplings to compensate for parallel offset misalignment.



Type G20 Large Flanged Sleeve

Double Engagement/Dimensions — Millimeters



| SIZE ★ | Torque Rating (Nm) † (millions) | | Allow Speed rpm ‡ | Max. Bore (mm) • | Min Bore (mm) ■ | Cplg Wt With No Bore (kg) | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | |
|------------|------------------------------------|----------------|----------------------|---------------------|--------------------|---------------------------------|--------------------|--------------------------|---------|-------|---------|---------|-------|-------|-----------|-------|
| | 1000 Series | 2000 Series | | | | | | A | B | C | D | F | J | M | N | Gap |
| | 1080/2080G | 0,170 | | | | | | 0,234 | 1750 | 266 | 101,60 | 703 | 9,5 | 590,6 | 508,5 | 249,2 |
| 1090/2090G | 0,226 | 0,315 | 1550 | 290 | 114,30 | 984 | 12,2 | 660,4 | 565,4 | 276,4 | 393,7 | 641,4 | 265,2 | 327,2 | 419,1 | 13 |
| 1100/2100G | 0,310 | 0,443 | 1450 | 320 | 127,00 | 1 302 | 15,0 | 711,2 | 622,3 | 304,8 | 444,5 | 698,5 | 293,6 | 355,6 | 469,9 | 13 |
| 1110/2110G | 0,413 | 0,609 | 1330 | 373 | 139,70 | 1 678 | 17,7 | 774,7 | 679,2 | 333,2 | 495,3 | 749,3 | 322,3 | 384,0 | 520,7 | 13 |
| 1120/2120G | 0,555 | 0,777 | 1200 | 400 | 152,40 | 2 114 | 20,9 | 838,2 | 717,8 | 352,6 | 546,1 | 825,5 | 341,4 | 403,4 | 571,5 | 13 |
| 1130/2130G | 0,719 | 0,925 | 1075 | 440 | 165,10 | 2 595 | 32,7 | 911,4 | 761,7 | 371,3 | 584,2 | 886,0 | 362,0 | 434,8 | 609,6 | 19 |
| 1140/2140G | 0,911 | 1,140 | 920 | 460 | 177,80 | 3 107 | 33,1 | 965,2 | 806,4 | 393,2 | 635,0 | 939,8 | 378,0 | 457,2 | 660,4 | 19 |
| 1150/2150G | 1,100 | 1,350 | 770 | 490 | 190,50 | 3 765 | 40,8 | 1 028,7 | 857,2 | 419,1 | 685,8 | 1 003,3 | 407,9 | 482,6 | 711,2 | 19 |
| 1160/2160G | 1,310 | 1,640 | 650 | 525 ♦♦ | 254,00 | 4 708 | 43,1 | 1 111,2 | 908,0 | 441,3 | 736,6 | 1 085,9 | 419,1 | 501,6 | 762,0 ♦ | 25 |
| 1180/2180G | 1,660 | 2,140 | 480 | 600 ♦♦ | 285,75 | 6 260 | 49,9 | 1 219,2 | 939,8 | 457,2 | 838,2 | 1 193,8 | 434,8 | 520,7 | 863,6 ♦ | 25 |
| 1200/2200G | 2,140 | 2,850 | 370 | 660 ♦♦ | 317,50 | 8 582 | 68,0 | 1 358,9 | 1 098,6 | 536,6 | 927,1 | 1 308,1 | 514,4 | 635,0 | 965,2 ♦ | 25 |
| 1220/2220G | 2,720 | 3,560 | 290 | 725 ♦♦ | 349,25 | 11 685 | 107 | 1 511,3 | 1 193,8 | 584,2 | 1 016,0 | 1 473,2 | 565,2 | 685,8 | 1 066,8 ♦ | 25 |
| 1240/2240G | 3,470 | 4,480 | 270 | 810 ♦♦ | 381,00 | 14 606 | 109 | 1 632,0 | 1 282,7 | 628,6 | 1 130,3 | 1 581,2 | 606,6 | 723,9 | 1 168,4 ♦ | 25 |
| 1260/2260G | 4,490 | 5,480 | 250 | 880 ♦♦ | 412,75 | 17 799 | 122 | 1 746,2 | 1 371,6 | 673,1 | 1 231,9 | 1 695,4 | 647,7 | 774,7 | 1 270,0 ♦ | 25 |
| 1280/2280G | 5,840 | 6,760 | 230 | 950 ♦♦ | 444,50 | 21 192 | 136 | 1 866,9 | 1 409,7 | 692,9 | 1 333,5 | 1 803,4 | 666,8 | 793,8 | 1 371,6 ♦ | 25 |
| 1300/2300G | 6,760 | 8,190 | 220 | 1 025 ♦♦ | 476,25 | 24 807 | 150 | 1 974,8 | 1 447,8 | 711,2 | 1 435,1 | 1 911,4 | 685,8 | 800,1 | 1 473,2 ♦ | 25 |

★ See Page 15 for General Information and other Reference Notes.

♦ Reduced shank diameter hubs are available where required bore permits. See Table 31, Page 53 for selection.

• Note: There is no standardization of metric keys and keyways for bores greater than 500 mm.

■ Maximum bores for flex hubs 1150G and larger are based on a hub diameter to bore ratio of 1.4.

**TABLE 23 — Limited End Float & Standard Gap
Disc Dimensions — Millimeters**

| SIZE | B | End Float ▲ | Gap Disc * | | Gap |
|------------|-------|----------------|------------|----------|-----|
| | | | Thickness | Diameter | |
| 1080/2080G | 517,1 | 4,78 | 16 | 416 | 18 |
| 1090/2090G | 577,3 | 4,78 | 22 | 470 | 25 |
| 1100/2100G | 634,2 | 4,78 | 22 | 521 | 25 |
| 1110/2110G | 691,1 | 4,78 | 22 | 568 | 25 |
| 1120/2120G | 729,7 | 4,78 | 22 | 622 | 25 |
| 1130/2130G | 778,5 | 4,78 | 33 | 676 | 36 |
| 1140/2140G | 822,2 | 4,78 | 33 | 727 | 36 |
| 1150/2150G | 874,0 | 4,78 | 33 | 778 | 36 |

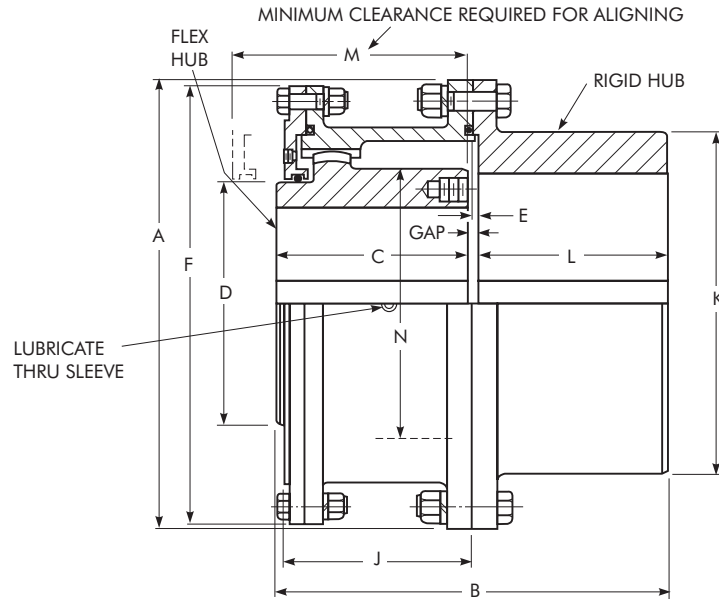
▲ If this value exceeds one-half rotor end float or equivalent manufacturer's specifications, refer to the Factory.

* Gap disc material: Neoprene, 70 durometer.

Type G52 Large Flanged Sleeve

Single Engagement/Dimensions — Millimeters

IMPORTANT — When couplings are mounted on a floating shaft, do not exceed allowable shaft speed for the assembly. Use a gap disc in each coupling.



| SIZE ★ | Torque Rating (Nm) (millions) † | | Allow Speed rpm ‡ | Max Bore (mm) * | | Min Bore (mm) ■ | Cplg Wt With No Bore (kg) | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | | | | |
|------------|---------------------------------|-------------|-------------------|-----------------|-----------|-----------------|---------------------------|--------------|--------------------------|---------|--------|---------|------|---------|-------|----------|-------|-------|----------|-------|
| | 1000 Series | 2000 Series | | Flex Hub | Rigid Hub | | | | A | B | C | D | E | F | J | K * | L | M | N | Gap |
| | 1080/2080G | 0,170 | | 0,234 | 1750 | | | | 266 | 340 | 101,60 | 699 | 5 | 590,6 | 511,0 | 249,4 | 355,6 | 8,1 | 571,5 | 242,8 |
| 1090/2090G | 0,226 | 0,315 | 1550 | 290 | 380 | 114,30 | 984 | 6 | 660,4 | 566,4 | 276,4 | 393,7 | 8,1 | 641,4 | 265,2 | 508,0 | 275,8 | 327,2 | 419,1 | 14 |
| 1100/2100G | 0,310 | 0,443 | 1450 | 320 | 400 | 127,00 | 1 252 | 8 | 711,2 | 625,3 | 304,8 | 444,5 | 9,7 | 698,5 | 293,6 | 530,4 | 304,8 | 355,6 | 469,9 | 16 |
| 1110/2110G | 0,413 | 0,609 | 1330 | 373 | 440 | 139,70 | 1 637 | 9 | 774,7 | 682,2 | 333,2 | 495,3 | 9,7 | 749,3 | 322,3 | 584,2 | 333,2 | 384,0 | 520,7 | 16 |
| 1120/2120G | 0,555 | 0,777 | 1200 | 400 | 483 | 152,40 | 2 077 | 11 | 838,2 | 720,6 | 352,6 | 546,1 | 9,7 | 825,5 | 341,4 | 647,7 | 352,3 | 403,4 | 571,5 | 16 |
| 1130/2130G | 0,719 | 0,925 | 1075 | 440 | 500 | 165,10 | 2 572 | 17 | 911,4 | 761,7 | 371,3 | 584,2 | 9,7 | 886,0 | 362,0 | 708,2 | 371,3 | 434,8 | 609,6 | 19 |
| 1140/2140G | 0,911 | 1,140 | 920 | 460 | 535 | 177,80 | 3 062 | 17 | 965,2 | 805,9 | 393,2 | 635,0 | 9,7 | 939,8 | 378,0 | 749,3 | 393,7 | 457,2 | 660,4 | 19 |
| 1150/2150G | 1,100 | 1,350 | 770 | 490 | 580 | 190,50 | 3 751 | 21 | 1 028,7 | 857,2 | 419,1 | 685,8 | 9,7 | 1 003,3 | 407,9 | 812,8 | 419,1 | 482,6 | 711,2 | 19 |
| 1160/2160G | 1,310 | 1,640 | 650 | 525◆◆ | 630◆◆ | 254,00 | 4 631 | 22 | 1 111,2 | 908,3 | 441,3 | 736,6 | 12,7 | 1 085,8 | 419,1 | 886,0◆ | 441,5 | 501,6 | 762,0◆ | 25 |
| 1180/2180G | 1,660 | 2,140 | 480 | 600◆◆ | 710◆◆ | 285,75 | 6 069 | 25 | 1 219,2 | 939,8 | 457,2 | 838,2 | 12,7 | 1 193,8 | 434,8 | 993,6◆ | 457,2 | 520,7 | 863,6◆ | 25 |
| 1200/2200G | 2,140 | 2,850 | 370 | 660◆◆ | 780◆◆ | 317,50 | 8 482 | 34 | 1 358,9 | 1 098,6 | 536,6 | 927,1 | 12,7 | 1 308,1 | 514,4 | 1 095,2◆ | 536,4 | 635,0 | 965,2◆ | 25 |
| 1220/2220G | 2,720 | 3,560 | 290 | 725◆◆ | 890◆◆ | 349,25 | 11 680 | 54 | 1 511,3 | 1 196,8 | 584,2 | 1 016,0 | 15,7 | 1 473,2 | 565,2 | 1 244,6◆ | 584,2 | 685,8 | 1 066,8◆ | 28 |
| 1240/2240G | 3,470 | 4,480 | 270 | 810◆◆ | 940◆◆ | 381,00 | 14 388 | 57 | 1 632,0 | 1 285,7 | 628,6 | 1 130,3 | 15,7 | 1 581,2 | 606,6 | 1 314,7◆ | 628,6 | 723,9 | 1 168,4◆ | 28 |
| 1260/2260G | 4,490 | 5,480 | 250 | 880◆◆ | 1 015◆◆ | 412,75 | 17 722 | 61 | 1 746,2 | 1 374,6 | 673,1 | 1 231,9 | 15,7 | 1 695,5 | 647,7 | 1 422,4◆ | 673,1 | 774,7 | 1 270,0◆ | 28 |
| 1280/2280G | 5,840 | 6,760 | 230 | 950◆◆ | 1 090◆◆ | 444,50 | 21 110 | 70 | 1 866,9 | 1 412,2 | 691,9 | 1 333,5 | 15,7 | 1 803,4 | 666,8 | 1 530,6◆ | 691,9 | 793,8 | 1 371,6◆ | 28 |
| 1300/2300G | 6,760 | 8,190 | 220 | 1 025◆◆ | 1 170◆◆ | 476,25 | 24 712 | 77 | 1 974,8 | 1 450,8 | 711,2 | 1 435,1 | 15,7 | 1 911,4 | 685,8 | 1 638,3◆ | 711,2 | 800,1 | 1 473,2◆ | 28 |

★ See Page 15 for General Information and other Reference Notes.

◆ Reduced shank diameter hubs are available where required bore permits. See Table 31, Page 53 for selection.

* Dimension K may be an "as cast" surface depending upon coupling size and bore.

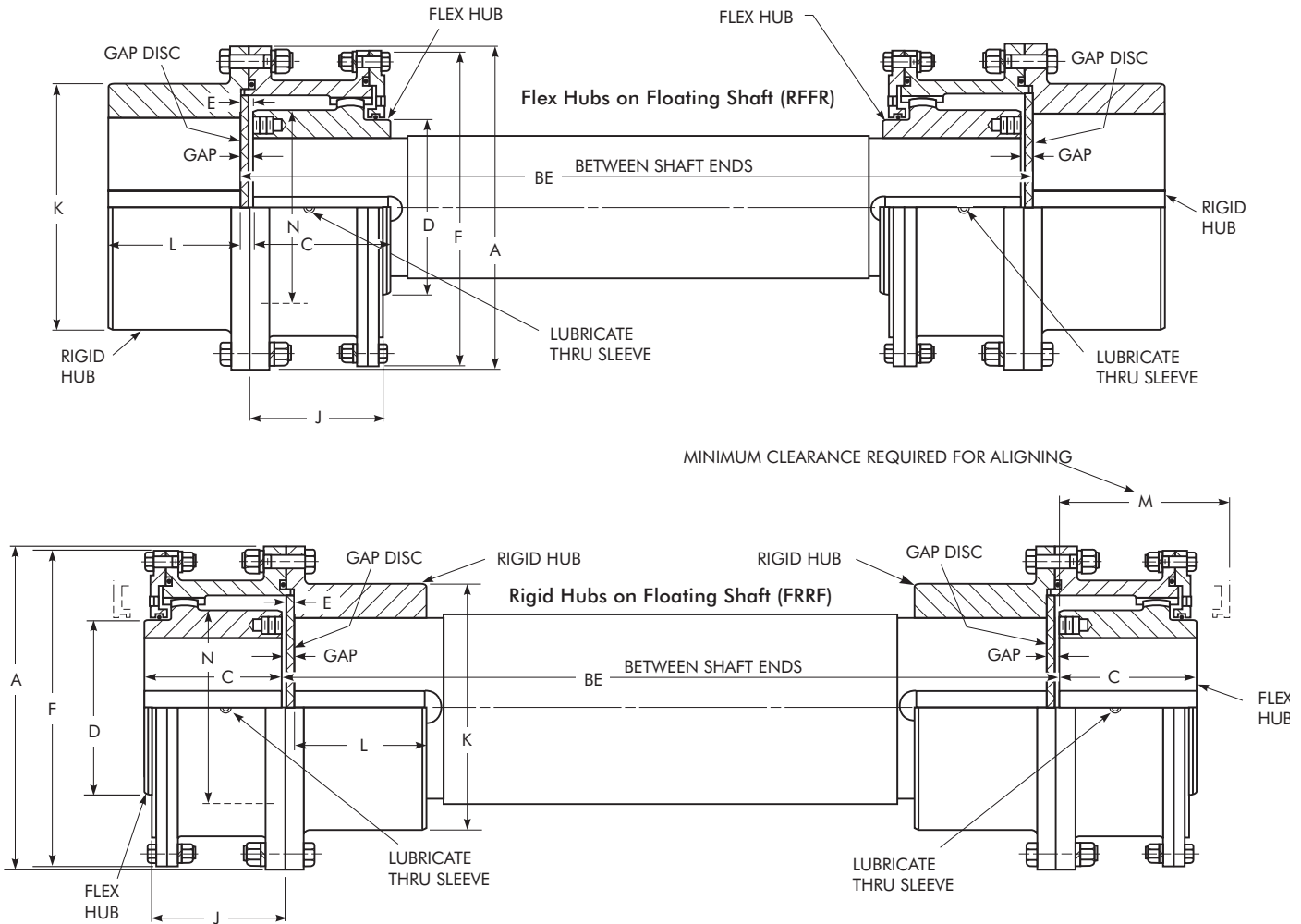
◆ **Note:** There is no standardization of metric keys and keyways for bores greater than 500 mm.

Maximum bores for flex hubs 1150G and rigid hubs 1130G and larger are based on a hub diameter to bore ratio of 1.4.



Type G52 Large Flanged Sleeve

Floating Shaft Single Engagement/Dimensions — Millimeters



| SIZE ★ | Torque Rating (Nm) † (millions) | | Allow Speed rpm ▲ | Max Bore (mm) • | | One Cplg Wt With No Bore (kg) | One Cplg Lube Wt (kg) | DIMENSIONS – Millimeters | | | | | | | | | | | | |
|------------|---------------------------------|-------------|-------------------|-----------------|-----------|-------------------------------|-----------------------|--------------------------|---------|---------|-------|---------|------|---------|-------|-----------|-------|-------|-----------|----|
| | 1000 Series | 2000 Series | | Flex Hub | Rigid Hub | | | BE Min | | C | D | E | F | J | K* | L | M | N | Gap | |
| | | | | | | | | RFFR | FRRF | | | | | | | | | | | |
| 1080/2080G | 0,170 | 0,234 | 1300 | 266 | 340 | 699 | 5 | 590,6 | 774,7 | 549,1 | 249,4 | 355,6 | 8,1 | 571,5 | 242,8 | 450,8 | 248,9 | 300,0 | 368,3 | 13 |
| 1090/2090G | 0,226 | 0,315 | 1160 | 290 | 380 | 984 | 6 | 660,4 | 825,5 | 606,6 | 276,4 | 393,7 | 8,1 | 641,4 | 265,2 | 508,0 | 275,8 | 327,2 | 419,1 | 14 |
| 1100/2100G | 0,310 | 0,443 | 1090 | 320 | 400 | 1 252 | 8 | 711,2 | 927,1 | 666,8 | 304,8 | 444,5 | 9,7 | 698,5 | 293,6 | 530,4 | 304,8 | 355,6 | 469,9 | 16 |
| 1110/2110G | 0,413 | 0,609 | 1000 | 373 | 440 | 1 637 | 9 | 774,7 | 1 028,7 | 723,9 | 333,2 | 495,3 | 9,7 | 749,3 | 322,3 | 584,2 | 333,2 | 384,0 | 520,7 | 16 |
| 1120/2120G | 0,555 | 0,777 | 900 | 400 | 483 | 2 077 | 11 | 838,2 | 1 104,9 | 762,0 | 352,6 | 546,1 | 9,7 | 825,5 | 341,4 | 647,7 | 352,3 | 403,4 | 571,5 | 16 |
| 1130/2130G | 0,719 | 0,925 | 800 | 440 | 500 ♦ | 2 572 | 17 | 911,4 | 1 130,3 | 806,4 | 371,3 | 584,2 | 9,7 | 886,0 | 362,0 | 708,2 | 371,3 | 434,8 | 609,6 | 19 |
| 1140/2140G | 0,911 | 1,140 | 700 | 460 | 535 ♦ | 3 062 | 17 | 965,2 | 1 181,1 | 850,9 | 393,2 | 635,0 | 9,7 | 939,8 | 378,0 | 749,3 | 393,7 | 457,2 | 660,4 | 19 |
| 1150/2150G | 1,100 | 1,350 | 580 | 490 | 580 ♦ | 3 751 | 21 | 1 028,7 | 1 295,4 | 901,7 | 419,1 | 685,8 | 9,7 | 1 003,3 | 407,9 | 812,8 | 419,1 | 482,6 | 711,2 | 19 |
| 1160/2160G | 1,310 | 1,640 | 490 | 525 ♦♦ | 630 ♦♦ | 4 631 | 22 | 1 111,2 | 1 320,8 | 958,8 | 441,3 | 736,6 | 12,7 | 1 085,7 | 419,1 | 886,0 ♦ | 441,5 | 501,7 | 762,0 ♦ | 25 |
| 1180/2180G | 1,660 | 2,140 | 360 | 600 ♦♦ | 710 ♦♦ | 6 069 | 25 | 1 219,2 | 1 358,9 | 990,6 | 457,2 | 838,2 | 12,7 | 1 193,8 | 434,8 | 993,6 ♦ | 457,2 | 520,7 | 863,6 ♦ | 25 |
| 1200/2200G | 2,140 | 2,850 | 280 | 660 ♦♦ | 780 ♦♦ | 8 482 | 34 | 1 358,9 | 1 451,0 | 1 149,4 | 536,6 | 927,1 | 12,7 | 1 308,1 | 514,4 | 1 095,2 ♦ | 536,4 | 635,0 | 965,2 ♦ | 25 |
| 1220/2220G | 2,720 | 3,560 | 220 | 725 ♦♦ | 890 ♦♦ | 11 680 | 54 | 1 511,3 | 1 828,8 | 1 251,0 | 584,2 | 1 016,0 | 15,7 | 1 473,2 | 565,2 | 1 244,6 ♦ | 584,2 | 685,8 | 1 066,8 ♦ | 28 |
| 1240/2240G | 3,470 | 4,480 | 200 | 810 ♦♦ | 940 ♦♦ | 14 388 | 57 | 1 632,0 | 1 993,9 | 1 339,8 | 628,6 | 1 130,3 | 15,7 | 1 581,2 | 606,6 | 1 314,7 ♦ | 628,6 | 723,9 | 1 168,4 ♦ | 28 |
| 1260/2260G | 4,490 | 5,480 | 190 | 880 ♦♦ | 1 015 ♦♦ | 17 722 | 61 | 1 746,2 | 2 159,0 | 1 428,8 | 673,1 | 1 231,9 | 15,7 | 1 695,4 | 647,7 | 1 422,4 ♦ | 673,1 | 774,7 | 1 270,0 ♦ | 28 |
| 1280/2280G | 5,840 | 6,760 | 175 | 950 ♦♦ | 1 090 ♦♦ | 21 110 | 70 | 1 866,9 | 2 222,5 | 1 454,2 | 691,9 | 1 333,5 | 15,7 | 1 803,4 | 666,8 | 1 530,6 ♦ | 691,9 | 793,8 | 1 371,6 ♦ | 28 |
| 1300/2300G | 6,760 | 8,190 | 165 | 1 025 ♦♦ | 1 170 ♦♦ | 24 712 | 77 | 1 974,8 | 2 286,0 | 1 505,0 | 711,2 | 1 435,1 | 15,7 | 1 911,4 | 685,8 | 1 638,3 ♦ | 711,2 | 800,1 | 1 473,2 ♦ | 28 |

★ See Page 15 for General Information and other Reference Notes.

♦ Reduced shank diameter hubs are available when required bore permits. See Table 31, Page 53 for selection.

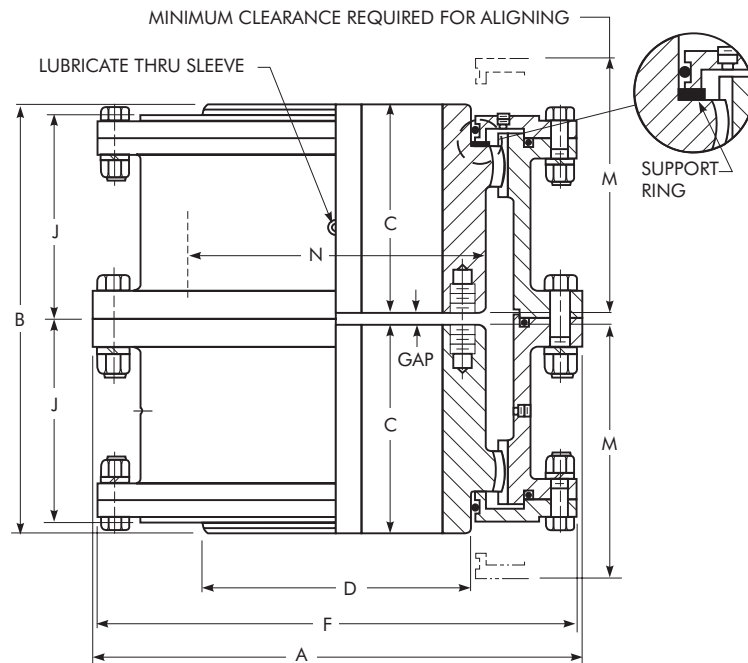
* Dimension K may be as "as cast" surface depending upon coupling size and bore.

▲ The allowable speed for floating shaft assemblies is the smaller value of either the critical speed of the selected shaft or the cataloged speed of the selected size coupling. The allowable operating speed should be based on torque, misalignment, balance, and other operating requirements for the specific application. If higher speeds are required or special application requirements must be met, consult the Factory for assistance.

♦ See Page 43 for footnote.

Type GV20 Large Flanged Sleeve

Vertical Double Engagement/Dimensions — Millimeters



| SIZE ★ | Torque Rating (Nm) † | | Allow Speed rpm | Max Bore (mm) • | Min Bore (mm) ▣ | Cplg Wt With No Bore (kg) | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | |
|-------------|-------------------------|----------------|-----------------------|-----------------------|-----------------------|------------------------------------|--------------------|--------------------------|---------|-------|---------|---------|-------|-------|----------|-----|
| | 1000 Series | 2000 Series | | | | | | A | B | C | D | F | J | M | N | Gap |
| 1080/2080GV | 0,170 | 0,234 | 1750 | 266 | 101,60 | 703 | 13 | 590,6 | 508,5 | 249,4 | 355,6 | 571,5 | 242,8 | 300,0 | 368,3 | 10 |
| 1090/2090GV | 0,226 | 0,315 | 1550 | 290 | 114,30 | 984 | 17 | 660,4 | 565,4 | 276,4 | 393,7 | 641,4 | 265,2 | 327,2 | 419,1 | 13 |
| 1100/2100GV | 0,310 | 0,443 | 1450 | 320 | 127,00 | 1 302 | 21 | 711,2 | 622,3 | 304,8 | 444,5 | 698,5 | 293,6 | 355,6 | 469,9 | 13 |
| 1110/2110GV | 0,413 | 0,609 | 1330 | 373 | 139,70 | 1 678 | 24 | 774,7 | 679,2 | 333,2 | 495,3 | 749,3 | 322,3 | 384,0 | 520,7 | 13 |
| 1120/2120GV | 0,555 | 0,777 | 1200 | 400 | 152,40 | 2 114 | 30 | 838,2 | 717,8 | 352,6 | 546,1 | 825,5 | 341,4 | 403,4 | 571,5 | 13 |
| 1130/2130GV | 0,719 | 0,925 | 1075 | 440 | 165,10 | 2 595 | 44 | 911,4 | 761,7 | 371,3 | 584,2 | 886,0 | 362,0 | 434,8 | 609,6 | 19 |
| 1140/2140GV | 0,911 | 1,140 | 920 | 460 | 177,80 | 3 107 | 49 | 965,2 | 805,4 | 393,7 | 635,0 | 939,8 | 378,0 | 457,2 | 660,4 | 19 |
| 1150/2150GV | 1,100 | 1,350 | 770 | 490 | 190,50 | 3 765 | 59 | 1 028,7 | 857,3 | 419,1 | 685,8 | 1 003,3 | 407,9 | 482,6 | 711,2 | 19 |
| 1160/2160GV | 1,310 | 1,640 | 650 | 525♦♣ | 254,00 | 4 708 | 141 | 1 111,2 | 908,1 | 441,3 | 736,6 | 1 085,8 | 419,1 | 501,6 | 762,0♦ | 25 |
| 1180/2180GV | 1,660 | 2,140 | 480 | 600♦♣ | 285,75 | 6 260 | 168 | 1 219,2 | 939,8 | 457,2 | 838,2 | 1 193,8 | 434,8 | 520,7 | 863,6♦ | 25 |
| 1200/2200GV | 2,140 | 2,850 | 370 | 660♦♣ | 317,50 | 8 582 | 227 | 1 358,9 | 1 098,6 | 536,4 | 927,1 | 1 308,1 | 514,4 | 635,0 | 965,2♦ | 25 |
| 1220/2220GV | 2,720 | 3,560 | 290 | 725♦♣ | 349,25 | 11 685 | 319 | 1 511,3 | 1 193,8 | 584,2 | 1 016,0 | 1 473,2 | 565,2 | 685,8 | 1 066,8♦ | 25 |
| 1240/2240GV | 3,470 | 4,480 | 270 | 810♦♣ | 381,00 | 14 606 | 341 | 1 632,0 | 1 282,7 | 628,6 | 1 130,3 | 1 581,2 | 606,6 | 723,9 | 1 168,4♦ | 25 |
| 1260/2260GV | 4,490 | 5,480 | 250 | 880♦♣ | 412,75 | 17 799 | 402 | 1 746,2 | 1 371,6 | 673,1 | 1 231,9 | 1 695,4 | 647,7 | 774,7 | 1 270,0♦ | 25 |
| 1280/2280GV | 5,840 | 6,760 | 230 | 950♦♣ | 444,50 | 21 192 | 450 | 1 866,9 | 1 409,2 | 691,9 | 1 333,5 | 1 803,4 | 666,8 | 793,8 | 1 371,6♦ | 25 |
| 1300/2300GV | 6,760 | 8,190 | 220 | 1 025♦♣ | 476,25 | 24 807 | 499 | 1 974,8 | 1 447,8 | 711,2 | 1 435,1 | 1 911,4 | 685,8 | 800,1 | 1 473,2♦ | 25 |

★ See Page 15 for General Information and other Reference Notes.

♦ Reduced shank diameter hubs are available where bore permits. See Table 31, Page 53, for selections.

♣ Note: There is no standardization of metric keys and keyways for bores greater than 500 mm.

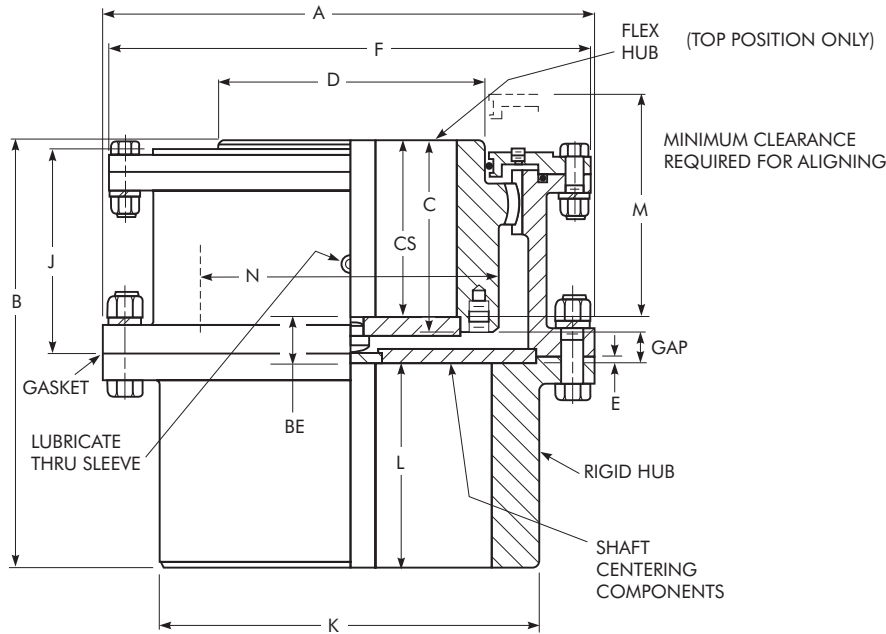
Maximum bores for flex hubs 1150G and larger are based on a hub diameter to bore ratio of 1.4.



Type GV52 Large Flanged Sleeve

Vertical Single Engagement/Dimensions — Millimeters

IMPORTANT — When couplings are mounted on a floating shaft, do not exceed allowable shaft speed for the assembly,



| SIZE ★ | Torque Rating (Nm) † | | Allow Speed rpm | Max Bore (mm) * | | Min Bore Both Hubs (mm) † | Cplg Wt. With No Bore (kg) | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | | | | | | |
|------------|----------------------|-------------|-----------------|-----------------|-----------|---------------------------|----------------------------|--------------|--------------------------|---------|--------|---------|------|---------|-------|----------|-------|-------|----------|-------|-------|-------|
| | 1000 Series | 2000 Series | | Flex Hub | Rigid Hub | | | | A | B | C | D | E | F | J | K* | L | M | N | BE | CS | Gap |
| | 1080/2080G | 0,170 | | 0,234 | 1750 | | | | 266 | 340 | 101,60 | 699 | 4,99 | 590,6 | 511,6 | 236,7 | 355,6 | 8,1 | 571,5 | 242,8 | 450,8 | 248,9 |
| 1090/2090G | 0,226 | 0,315 | 1550 | 290 | 380 | 114,30 | 984 | 6,35 | 660,4 | 567,2 | 261,9 | 393,7 | 8,1 | 641,4 | 265,2 | 508,0 | 275,8 | 314,5 | 419,1 | 42,2 | 249,2 | 29 |
| 1100/2100G | 0,310 | 0,443 | 1450 | 320 | 400 | 127,00 | 1252 | 7,71 | 711,2 | 625,3 | 288,8 | 444,5 | 9,7 | 698,5 | 293,6 | 530,4 | 304,8 | 339,9 | 469,9 | 48,3 | 273,1 | 33 |
| 1110/2110G | 0,413 | 0,609 | 1330 | 373 | 440 | 139,70 | 1637 | 9,07 | 774,7 | 682,8 | 317,2 | 495,3 | 9,7 | 749,3 | 322,3 | 584,2 | 333,2 | 368,3 | 520,7 | 48,3 | 301,5 | 33 |
| 1120/2120G | 0,555 | 0,777 | 1200 | 400 | 483 | 152,40 | 2077 | 10,9 | 838,2 | 721,4 | 336,6 | 546,1 | 9,7 | 825,5 | 341,4 | 647,7 | 352,3 | 387,4 | 571,5 | 48,3 | 320,8 | 33 |
| 1130/2130G | 0,719 | 0,925 | 1075 | 440 | 500 | 165,10 | 2572 | 16,8 | 911,4 | 762,0 | 352,0 | 584,2 | 9,7 | 886,0 | 362,0 | 708,2 | 371,3 | 419,1 | 609,6 | 54,9 | 336,3 | 39 |
| 1140/2140G | 0,911 | 1,140 | 920 | 460 | 535 | 177,80 | 3062 | 17,2 | 965,2 | 806,4 | 373,9 | 635,0 | 9,7 | 939,8 | 378,0 | 749,3 | 393,7 | 441,5 | 660,4 | 54,9 | 358,1 | 39 |
| 1150/2150G | 1,100 | 1,350 | 770 | 490 | 580 | 190,50 | 3751 | 20,9 | 1 028,7 | 857,2 | 399,8 | 685,8 | 9,7 | 1 003,3 | 407,9 | 812,8 | 419,1 | 466,9 | 711,2 | 54,9 | 384,0 | 39 |
| 1160/2160G | 1,310 | 1,640 | 650 | 525♦♣ | 630♦♣ | 254,00 | 4631 | 21,8 | 1 111,2 | 908,0 | 416,1 | 736,6 | 12,7 | 1 085,8 | 419,1 | 886,0♦ | 441,5 | 482,6 | 762,0♦ | 70,4 | 397,0 | 51 |
| 1180/2180G | 1,660 | 2,140 | 480 | 600♦♣ | 710♦♣ | 285,75 | 6069 | 25,4 | 1 219,2 | 939,8 | 431,8 | 838,2 | 12,7 | 1 193,8 | 434,8 | 993,6♦ | 457,2 | 501,6 | 863,6♦ | 70,4 | 412,8 | 51 |
| 1200/2200G | 2,140 | 2,850 | 370 | 660♦♣ | 780♦♣ | 317,50 | 8482 | 34,5 | 1 358,9 | 1 098,6 | 511,0 | 927,1 | 12,7 | 1 308,1 | 514,4 | 1 095,2♦ | 536,4 | 616,0 | 965,2♦ | 70,4 | 492,3 | 51 |
| 1220/2220G | 2,720 | 3,560 | 290 | 725♦♣ | 890♦♣ | 349,25 | 11 680 | 54,4 | 1 511,3 | 1 196,8 | 555,8 | 1 016,0 | 15,7 | 1 473,2 | 565,2 | 1 244,6♦ | 584,2 | 660,4 | 1 066,8♦ | 83,3 | 530,4 | 58 |
| 1240/2240G | 3,470 | 4,480 | 270 | 810♦♣ | 940♦♣ | 381,00 | 14 388 | 56,7 | 1 632,0 | 1 285,7 | 599,9 | 1 130,3 | 15,7 | 1 581,2 | 606,6 | 1 314,7♦ | 628,6 | 698,5 | 1 168,4♦ | 83,3 | 574,5 | 58 |
| 1260/2260G | 4,490 | 5,480 | 250 | 880♦♣ | 1 015♦♣ | 412,75 | 17 722 | 61,2 | 1 746,2 | 1 374,6 | 644,7 | 1 231,9 | 15,7 | 1 695,4 | 647,7 | 1 422,4♦ | 673,1 | 749,3 | 1 270,0♦ | 83,1 | 619,3 | 58 |
| 1280/2280G | 5,840 | 6,760 | 230 | 950♦♣ | 1 090♦♣ | 444,50 | 21 110 | 70,3 | 1 866,9 | 1 412,7 | 663,4 | 1 333,5 | 15,7 | 1 803,4 | 666,8 | 1 530,6♦ | 691,9 | 768,4 | 1 371,6♦ | 83,1 | 638,0 | 58 |
| 1300/2300G | 6,760 | 8,190 | 220 | 1 025♦♣ | 1 170♦♣ | 476,25 | 24 712 | 77,1 | 1 974,8 | 1 450,8 | 682,8 | 1 435,1 | 15,7 | 1 911,4 | 685,8 | 1 638,3♦ | 711,2 | 774,7 | 1 473,2♦ | 83,1 | 657,4 | 58 |

★ See Page 15 for General Information and other Reference Notes. Downward load capacity of lower coupling supporting button for Size 1080GV52 and larger is 39 463 kilograms.

♦ Reduced shank diameter hubs are available where required bore permits. See Table 31, Page 53 for selections.

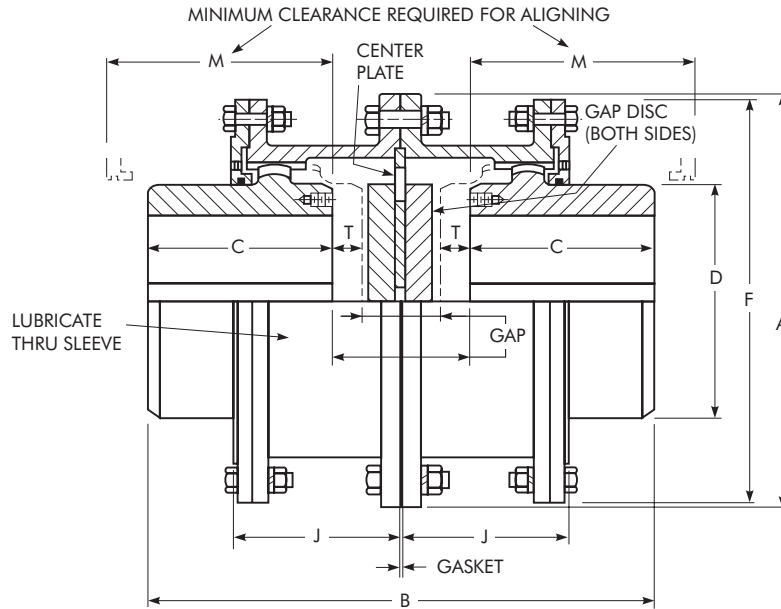
* Dimension K may be an "as cast" surface depending upon coupling size and bore.

♣ Note: There is no standardization of metric keys and keyways for bores greater than 500 mm.

Maximum bores for flex hubs 1150G and rigid hubs 1130G and larger are based on a hub diameter to bore ratio of 1.4.

Type GL20-4 Large Flanged Sleeve

Slide Double Engagement/Dimensions — Millimeters



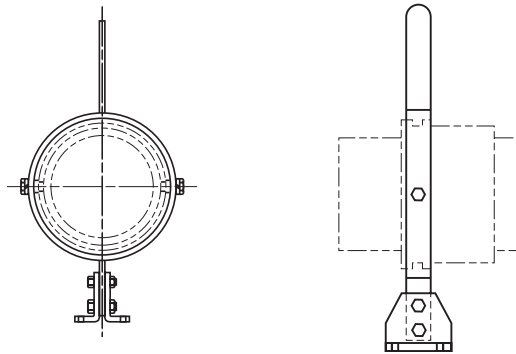
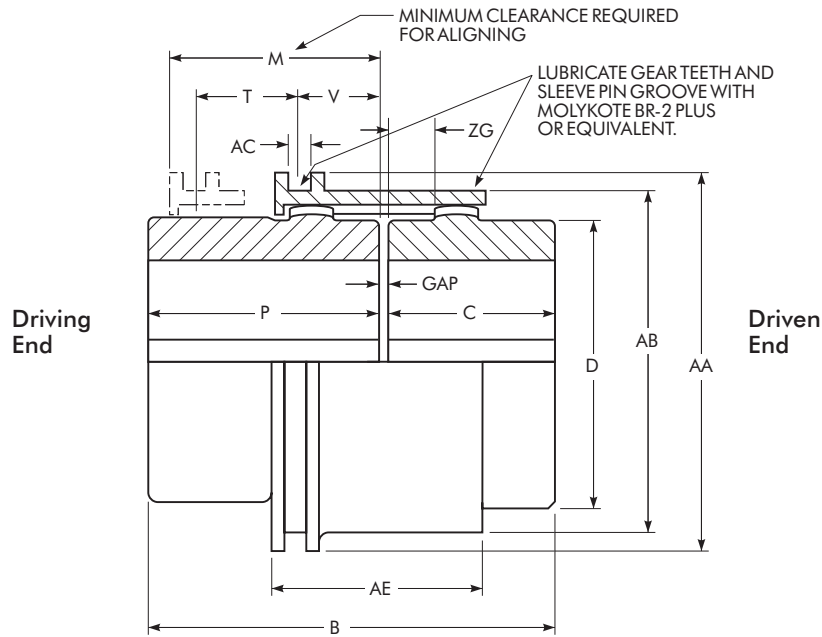
| SIZE ★ | Torque Rating (Nm) † (millions) | | Allow Speed rpm † | Max Bore (mm) • | Min Bore (mm) ■ | Cplg Wt With No Bore (kg) | Lube Wt (kg) | DIMENSIONS — Millimeters | | | | | | | | | | |
|-------------|---------------------------------------|----------------|-------------------------|-----------------------|-----------------------|------------------------------------|--------------------|--------------------------|----------|-------|-------|-------|-------|-------|---------|-------|-----|-----|
| | 1000 Series | 2000 Series | | | | | | A | B Max | C | D | F | J | M | T (Max) | | Gap | |
| | | | | | | | | | | | | | | | Each | Total | Min | Max |
| 1080/2080GL | 0,170 | 0,234 | 1160 | 266 | 101,60 | 685 | 9,53 | 590,6 | 740,2 | 249,4 | 355,6 | 571,5 | 242,8 | 300,0 | 14,0 | 27,9 | 213 | 241 |
| 1090/2090GL | 0,226 | 0,315 | 1030 | 290 | 114,30 | 943 | 12,2 | 660,4 | 793,0 | 276,4 | 393,7 | 641,4 | 265,2 | 327,2 | 22,9 | 45,7 | 195 | 240 |
| 1100/2100GL | 0,310 | 0,443 | 960 | 320 | 127,00 | 1 247 | 15,0 | 711,2 | 893,6 | 304,8 | 444,5 | 698,5 | 293,6 | 355,6 | 21,1 | 42,2 | 242 | 284 |
| 1110/2110GL | 0,413 | 0,609 | 880 | 373 | 139,70 | 1 610 | 17,7 | 774,7 | 994,2 | 333,2 | 495,3 | 749,3 | 322,3 | 384,0 | 19,0 | 38,1 | 290 | 328 |
| 1120/2120GL | 0,555 | 0,777 | 800 | 400 | 152,40 | 2 037 | 20,9 | 838,2 | 1 061,2 | 352,6 | 546,1 | 825,5 | 341,4 | 403,4 | 19,0 | 38,1 | 318 | 356 |

★ See Page 15 for General Information and Reference Notes.



Type G70

Disconnect/Dimensions — Millimeters



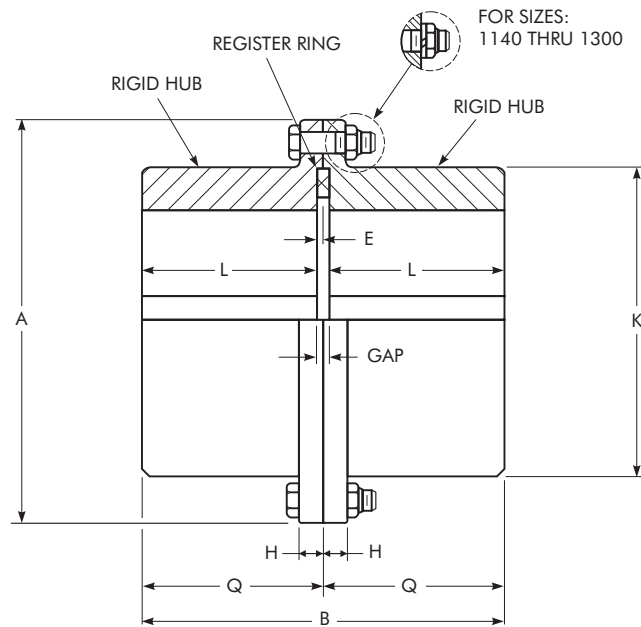
Optional hand operated shifter mechanism to shift and secure the proper position of the sleeve assembly.

| SIZE ★ | Torque Rating (Nm) (millions) † | Allow Speed rpm ‡ | Max Bore (mm) • | Min Bore (mm) ▫ | Cplg Wt With No Bore (kg) | DIMENSIONS — Millimeters | | | | | | | | | | | | |
|-----------|---------------------------------------|----------------------|--------------------|--------------------|------------------------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|-----|
| | | | | | | B | C | D | M | P | T | V | AA | AB | AC | AE | ZG | Gap |
| 1080G | 0,170 | 110 | 266 | 101,60 | 498 | 508,0 | 249,4 | 368,3 | 228,6 | 249,4 | 108,2 | 88,4 | 491,7 | 461,3 | 19,3 | 215,9 | 41,4 | 10 |
| 1090G | 0,226 | 100 | 290 | 114,30 | 698 | 559,3 | 276,4 | 419,1 | 263,7 | 270,3 | 130,6 | 95,0 | 556,3 | 515,6 | 25,4 | 251,0 | 52,8 | 13 |
| 1100G | 0,310 | 90 | 320 | 127,00 | 956 | 622,3 | 304,8 | 469,9 | 283,0 | 304,8 | 137,2 | 107,7 | 607,1 | 566,4 | 25,4 | 270,3 | 52,8 | 13 |
| 1110G | 0,413 | 80 | 373 | 139,70 | 1 256 | 679,2 | 333,2 | 520,7 | 296,2 | 333,2 | 143,8 | 114,3 | 655,3 | 614,7 | 25,4 | 283,5 | 52,8 | 13 |
| 1120G | 0,555 | 75 | 400 | 152,40 | 1 559 | 702,6 | 352,6 | 571,5 | 292,1 | 337,3 | 149,4 | 104,6 | 711,2 | 670,6 | 25,4 | 279,4 | 52,3 | 13 |
| 1130G | 0,719 | 70 | 440 | 165,10 | 1 779 | 697,0 | 338,8 | 609,6 | 288,5 | 338,8 | 141,7 | 102,6 | 778,3 | 727,5 | 31,5 | 275,8 | 32,0 | 19 |
| 1140G | 0,911 | 65 | 460 | 177,80 | 2 127 | 719,3 | 350,0 | 660,4 | 288,5 | 350,0 | 141,7 | 102,6 | 828,0 | 777,2 | 31,5 | 275,8 | 26,9 | 19 |
| 1150G | 1,100 | 60 | 490 | 190,50 | 2 623 | 770,1 | 375,4 | 711,2 | 288,5 | 375,4 | 141,7 | 102,6 | 882,4 | 831,6 | 31,5 | 275,8 | 21,3 | 19 |

★ See Page 15 for General Information and Reference Notes.

Type G82 Large Flanged Sleeve

Rigid/Dimensions — Millimeters



| SIZE * | Torque Rating (Nm) (millions) † | Allow Speed rpm ‡ | Max Bore (mm) • | Min Bore (mm) ■ | Cplg Wt With No Bore (kg) | DIMENSIONS — Millimeters | | | | | | | |
|--------------|---------------------------------------|----------------------|--------------------|--------------------|------------------------------------|--------------------------|---------|------|------|----------|-------|-------|-----|
| | | | | | | A | B | E | H | K * | L | Q | Gap |
| 1080G | 0,170 | 1750 | 340 | 101,60 | 699 | 590,6 | 514,1 | 8,1 | 31,5 | 450,8 | 248,9 | 257,0 | 16 |
| 1090G | 0,226 | 1550 | 380 | 114,30 | 984 | 660,4 | 567,9 | 8,1 | 38,1 | 508,0 | 275,8 | 284,0 | 16 |
| 1100G | 0,310 | 1450 | 400 | 127,00 | 1207 | 711,2 | 628,9 | 9,7 | 44,2 | 530,4 | 304,8 | 314,5 | 19 |
| 1110G | 0,413 | 1330 | 440 | 139,70 | 1601 | 774,7 | 685,8 | 9,7 | 50,8 | 584,2 | 333,2 | 342,9 | 19 |
| 1120G | 0,555 | 1200 | 483 | 152,40 | 2050 | 838,2 | 723,9 | 9,7 | 53,8 | 647,7 | 352,3 | 362,0 | 19 |
| 1130G | 0,719 | 1075 | 500† | 165,10 | 2558 | 911,4 | 762,0 | 9,7 | 53,8 | 708,2 | 371,3 | 381,0 | 19 |
| 1140G | 0,911 | 920 | 535† | 177,80 | 3030 | 965,2 | 806,7 | 9,7 | 53,8 | 749,3 | 393,7 | 403,4 | 19 |
| 1150G | 1,100 | 770 | 580† | 190,50 | 3747 | 1 028,7 | 857,5 | 9,7 | 53,8 | 812,8 | 419,1 | 428,8 | 19 |
| 1160G | 1,310 | 650 | 630◆♣ | 254,00 | 4681 | 1 111,2 | 908,3 | 12,7 | 57,2 | 886,0◆ | 441,5 | 454,2 | 25 |
| 1180G | 1,660 | 480 | 710◆♣ | 285,75 | 6024 | 1 219,2 | 939,8 | 12,7 | 57,2 | 993,6◆ | 457,2 | 469,9 | 25 |
| 1200G | 2,140 | 370 | 780◆♣ | 317,50 | 8573 | 1 358,9 | 1 098,3 | 12,7 | 63,5 | 1 095,2◆ | 536,4 | 549,1 | 25 |
| 1220G | 2,720 | 290 | 890◆♣ | 349,25 | 11 893 | 1 511,3 | 1 199,9 | 15,7 | 63,5 | 1 244,6◆ | 584,2 | 599,9 | 31 |
| 1240G | 3,470 | 270 | 940◆♣ | 381,00 | 14 524 | 1 632,0 | 1 289,3 | 15,7 | 76,2 | 1 314,7◆ | 628,9 | 644,7 | 31 |
| 1260G | 4,490 | 250 | 1 015◆♣ | 412,75 | 18 035 | 1 746,2 | 1 377,7 | 15,7 | 76,2 | 1 422,4◆ | 673,1 | 688,8 | 31 |
| 1280G | 5,840 | 230 | 1 090◆♣ | 444,50 | 21 473 | 1 866,9 | 1 415,3 | 15,7 | 82,3 | 1 530,6◆ | 691,9 | 707,6 | 31 |
| 1300G | 6,760 | 220 | 1 170◆♣ | 476,25 | 25 124 | 1 974,8 | 1 453,9 | 15,7 | 82,3 | 1 638,3◆ | 711,2 | 726,9 | 31 |

★ See Page 15 for General Information and other Reference Notes.

◆ Dimension K may be an "as-cast" surface depending upon coupling size and bore.

* For standard shank diameter hubs.

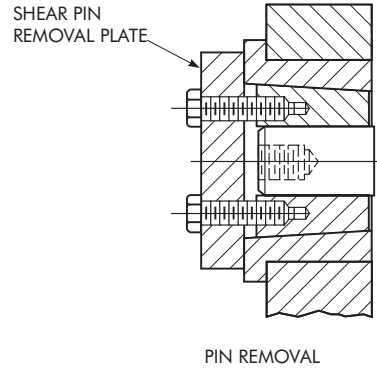
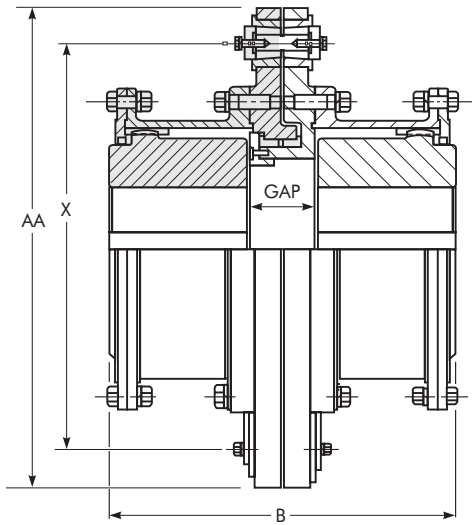
♣ Note: There is no standardization of metric keys and keyways for bores greater than 500 mm.

Maximum bores for rigid hubs 1130G and larger are based on a hub diameter to bore ratio of 1.4.



Type GR20 Large Flanged Sleeve

Shear Pin Double Engagement/Dimensions — Millimeters



| SIZE * | 1000 Series | | 2000 Series | | Allow Speed rpm ‡ | Max Bore (mm) • | Min Bore (mm) = | Approximate Value — Millimeters | | | |
|-------------|--------------------------------------|-------|--------------------------------------|-------|-------------------------|-----------------------|-----------------------|---------------------------------|---------|-----|---------|
| | Shear Torque (Nm x 10 ⁶) | | Shear Torque (Nm x 10 ⁶) | | | | | AA | X | Gap | B |
| | Min | Max | Min | Max | | | | | | | |
| 1080/2080GR | 0,052 | 0,235 | 0,081 | 0,366 | 880 | 266 | 101,6 | 990,6 | 812,8 | 121 | 619,8 |
| 1090/2090GR | 0,071 | 0,319 | 0,107 | 0,495 | 780 | 290 | 114,3 | 1 066,8 | 889,0 | 127 | 679,7 |
| 1100/2100GR | 0,099 | 0,449 | 0,156 | 0,696 | 730 | 320 | 127,0 | 1 117,6 | 939,8 | 146 | 755,9 |
| 1110/2110GR | 0,137 | 0,617 | 0,215 | 0,960 | 670 | 373 | 139,7 | 1 168,4 | 990,6 | 165 | 831,6 |
| 1120/2120GR | 0,176 | 0,795 | 0,271 | 1,22 | 600 | 400 | 152,4 | 1 244,6 | 1 066,8 | 178 | 882,9 |
| 1130/2130GR | 0,216 | 0,983 | 0,327 | 1,47 | 540 | 440 | 165,1 | 1 346,2 | 1 143,0 | 184 | 927,1 |
| 1140/2140GR | 0,258 | 1,16 | 0,403 | 1,82 | 460 | 460 | 177,8 | 1 409,7 | 1 193,8 | 197 | 984,5 |
| 1150/2150GR | 0,299 | 1,34 | 0,460 | 2,07 | 390 | 490 | 190,5 | 1 485,9 | 1 257,3 | 203 | 1 041,4 |
| 1160/2160GR | 0,384 | 1,71 | 0,571 | 2,57 | 330 | 525 ♣ | 254,0 | 1 600,2 | 1 346,2 | 229 | 1 111,5 |
| 1180/2180GR | 0,498 | 2,23 | 0,747 | 3,35 | 240 | 600 ♣ | 285,8 | 1 651,0 | 1 447,8 | 241 | 1 155,7 |
| 1200/2200GR | 0,647 | 3,02 | 1,00 | 4,47 | 190 | 660 ♣ | 317,5 | 1 803,4 | 1 600,2 | 261 | 1 333,5 |
| 1220/2220GR | 0,847 | 3,80 | 1,25 | 5,59 | 150 | 725 ♣ | 349,2 | 1 930,4 | 1 727,2 | 273 | 1 441,7 |
| 1240/2240GR | 1,05 | 4,69 | 1,57 | 7,04 | 140 | 810 ♣ | 381,0 | 2 057,4 | 1 854,2 | 305 | 1 562,1 |
| 1260/2260GR | 1,29 | 5,81 | 1,92 | 8,60 | 130 | 880 ♣ | 412,8 | 2 184,4 | 1 981,2 | 324 | 1 670,3 |
| 1280/2280GR | 1,54 | 6,93 | 2,37 | 10,62 | 120 | 950 ♣ | 444,5 | 2 311,4 | 2 108,2 | 337 | 1 721,1 |
| 1300/2300GR | 1,87 | 8,38 | 2,87 | 12,85 | 110 | 1 025 ♣ | 476,2 | 2 413,0 | 2 209,8 | 362 | 1 784,6 |

* See Page 15 for General Information and Reference Notes.

♣ Note: There is no standardization of metric keys and keyways for bores greater than 500 mm.

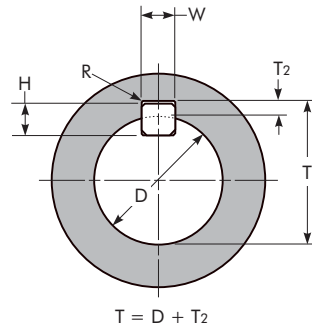
Maximum bores for flex hubs 1150G and larger are based on a hub diameter to bore ratio of 1.4.

Engineering Data — Large Flanged Sleeve

TABLE 24 — Recommended Commercial Keys for Bores with One Key — Millimeters (Per ISO R773 Standard)

| Shaft Diameter | | Key Size |
|----------------|------|----------|
| Over | Thru | |
| 95 | 110 | 28 x 16 |
| 110 | 130 | 32 x 18 |
| 130 | 150 | 36 x 20 |
| 150 | 170 | 40 x 22 |
| 170 | 200 | 45 x 25 |
| 200 | 230 | 50 x 28 |
| 230 | 260 | 56 x 32 |
| 260 | 290 | 63 x 32 |
| 290 | 330 | 70 x 36 |
| 330 | 380 | 80 x 40 |
| 380 | 440 | 90 x 45 |
| 440 | 500 | 100 x 50 |

★ **Note:** For metric recommended keys of shafts above 500 mm, consult the Factory.



Check Key Stresses

TABLE 25 — Recommended Bore Tolerances Rexnord Steel Coupling Hubs – Millimeters

| Shaft Diameter (ISO/R775-1969) | | Bore Diameter Tolerance | | |
|--------------------------------|-----------|-------------------------|--------------|--------------|
| Nominal | Tolerance | Clearance | Transitional | Interference |
| 6 to 30 | i6/k6 ♦ | F7 | H7 | M6 |
| Over 30 to 50 | k6 | F7 | H7 | K6 |
| Over 50 to 80 | m6 | F7 | H7 | K7 |
| Over 80 to 100 | m6 | F7 | H7 | M7 |
| Over 100 to 200 | m6 | F7 | H7 | P7 |
| Over 200 to 355 | m6 | F7 | H7 | R7 |
| Over 355 to 500 | m6 | F7 | H7 | R8 |

♦ Per DIN 748 — Differs with ISO/R775.



Engineering Data — Large Flanged Sleeve

TABLE 26 — Flange Details — Millimeters

| SIZE | A | B | C | E | DD | F | G | H | J Bolts No. Dia x Lgth (Per Flange) (Inch) | K Bolts No. Dia x Lgth (Inch) | T |
|------------|---------|----------|----------|------|------|---------|----------|------|---|-------------------------------------|----------|
| 1080/2080G | 590,6 | 527,05 | 441,33 | 7,9 | 6,4 | 571,5 | 527,05 | 31,8 | 16- 875 x 3.25 | 16- 1.125 x 4.125 | 441,27 |
| 1090/2090G | 660,4 | 590,55 | 495,30 | 7,9 | 6,4 | 641,4 | 590,55 | 38,1 | 18- 1.000 x 3.50 | 18- 1.250 x 4.75 | 495,25 |
| 1100/2100G | 711,2 | 641,35 | 546,10 | 9,7 | 7,9 | 698,5 | 641,35 | 44,4 | 18- 1.000 x 3.50 | 18- 1.250 x 5.25 | 546,05 |
| 1110/2110G | 774,7 | 698,50 | 596,90 | 9,7 | 7,9 | 749,3 | 698,50 | 50,8 | 18- 1.000 x 3.50 | 18- 1.500 x 6.00 | 596,85 |
| 1120/2120G | 838,2 | 762,00 | 654,05 | 9,7 | 7,9 | 825,5 | 762,00 | 53,8 | 18- 1.125 x 3.50 | 18- 1.500 x 6.25 | 654,00 |
| 1130/2130G | 911,4 | 822,33 | 708,03 | 9,7 | 7,9 | 886,0 | 822,33 | 53,8 | 18- 1.250 x 4.50 | 18- 1.500 x 6.25 | 707,97 |
| 1140/2140G | 965,2 | 876,30 | 758,83 | 9,7 | 7,9 | 939,8 | 876,30 | 53,8 | 18- 1.250 x 4.50 | 18- 1.750 x 6.50 | 758,77 |
| 1150/2150G | 1 028,7 | 933,45 | 815,98 | 9,7 | 7,9 | 1 003,3 | 933,45 | 53,8 | 20- 1.250 x 4.50 | 20- 1.750 x 6.50 | 815,92 |
| 1160/2160G | 1 111,2 | 1 009,65 | 863,60 | 12,7 | 9,7 | 1 085,9 | 1 009,65 | 57,2 | 20- 1.250 x 4.50 | 20- 2.000 x 7.00 | 863,50 |
| 1180/2180G | 1 219,2 | 1 117,60 | 984,25 | 12,7 | 9,7 | 1 193,8 | 1 117,60 | 57,2 | 22- 1.250 x 5.00 | 22- 2.000 x 7.00 | 984,15 |
| 1200/2200G | 1 358,9 | 1 231,90 | 1 085,85 | 12,7 | 9,7 | 1 308,1 | 1 231,90 | 63,5 | 22- 1.500 x 5.00 | 22- 2.250 x 7.75 | 1 085,75 |
| 1220/2220G | 1 511,3 | 1 384,30 | 1 212,85 | 15,7 | 12,7 | 1 473,2 | 1 384,30 | 63,5 | 24- 1.500 x 5.00 | 24- 2.250 x 7.75 | 1 212,75 |
| 1240/2240G | 1 632,0 | 1 479,55 | 1 289,05 | 15,7 | 12,7 | 1 581,2 | 1 479,55 | 76,2 | 22- 1.500 x 5.00 | 22- 2.750 x 9.75 | 1 288,95 |
| 1260/2260G | 1 746,2 | 1 593,85 | 1 390,65 | 15,7 | 12,7 | 1 695,5 | 1 593,85 | 76,2 | 24- 1.500 x 5.00 | 24- 2.750 x 9.75 | 1 390,55 |
| 1280/2280G | 1 866,9 | 1 701,80 | 1 492,25 | 15,7 | 12,7 | 1 803,4 | 1 701,80 | 82,6 | 22- 1.500 x 5.00 | 22- 3.000 x 10.50 | 1 492,15 |
| 1300/2300G | 1 974,8 | 1 809,75 | 1 593,85 | 15,7 | 12,7 | 1 911,4 | 1 809,75 | 82,6 | 24- 1.500 x 5.00 | 24- 3.000 x 10.50 | 1 593,75 |

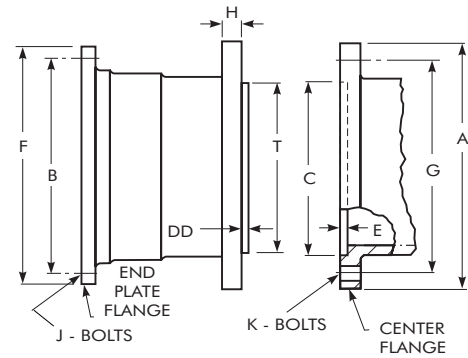


TABLE 27 — Sleeve Jack Screw Holes

| SIZE | B.C. (mm) | Tap Size (in) |
|------------|-----------|---------------|
| 1080/2080G | 527,0 | 875-9 UNC |
| 1090/2090G | 590,6 | 1.000-8 UNC |
| 1100/2100G | 641,4 | 1.000-8 UNC |
| 1110/2110G | 698,5 | 1.000-8 UNC |
| 1120/2120G | 762,0 | 1.125-7 UNC |
| 1130/2130G | 822,3 | 1.250-7 UNC |
| 1140/2140G | 876,3 | 1.250-7 UNC |
| 1150/2150G | 933,4 | 1.250-7 UNC |
| 1160/2160G | 1 009,6 | 1.250-7 UNC |
| 1180/2180G | 1 117,6 | 1.250-7 UNC |
| 1200/2200G | 1 231,9 | 1.500-6 UNC |
| 1220/2220G | 1 384,3 | 1.500-6 UNC |
| 1240/2240G | 1 479,6 | 1.500-6 UNC |
| 1260/2260G | 1 593,8 | 1.500-6 UNC |
| 1280/2280G | 1 701,8 | 1.500-6 UNC |
| 1300/2300G | 1 809,8 | 1.500-6 UNC |

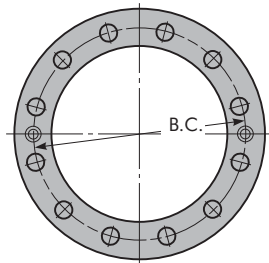
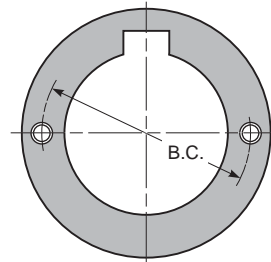


TABLE 28 — Flex Hub Puller Bolt Holes for Standard Shank Diameter Hubs

| SIZE * | B.C. (mm) | Tap Size – UNC (in) |
|------------|-----------|---------------------|
| 1080/2080G | 317,5 | 1.000-8 x 1.18 |
| 1090/2090G | 355,6 | 1.250-7 x 1.50 |
| 1100/2100G | 393,7 | 1.500-6 x 1.75 |
| 1110/2110G | 444,5 | 1.500-6 x 1.75 |
| 1120/2120G | 495,3 | 1.500-6 x 1.75 |
| 1130/2130G | 533,4 | 1.500-6 x 1.75 |
| 1140/2140G | 584,2 | 1.500-6 x 1.75 |
| 1150/2150G | 635,0 | 1.500-6 x 1.75 |
| 1160/2160G | 685,8 | 1.500-6 x 1.75 |
| 1180/2180G | 774,7 | 1.500-6 x 1.75 |
| 1200/2200G | 863,6 | 2.000-4.5 x 2.38 |
| 1220/2220G | 952,5 | 2.000-4.5 x 2.38 |
| 1240/2240G | 1 041,4 | 2.000-4.5 x 2.38 |
| 1260/2260G | 1 143,0 | 2.000-4.5 x 2.38 |
| 1280/2280G | 1 244,6 | 2.000-4.5 x 2.38 |
| 1300/2300G | 1 346,2 | 2.000-4.5 x 2.38 |



* Refer to Table 32 for flex hub puller data on reduced shank diameter hubs, Sizes 1160/2160 thru 1300/2300.

TABLE 29 — Torsional Stiffness – Nm/Radian (10⁶)

| SIZE | Half Coupling | | | | Complete Coupling | | | |
|------------|---------------|-------------|--------------|-------------|-------------------|-------------|--------------|-------------|
| | Flex Half | Rigid Half | | | Type G20 | Type G52 | | |
| | | Large Shank | Medium Shank | Small Shank | | Large Shank | Medium Shank | Small Shank |
| 1080/2080G | 510,7 | 1 412,4 | ... | ... | 255,4 | 375,1 | ... | ... |
| 1090/2090G | 696,0 | 2 056,4 | ... | ... | 348,0 | 519,8 | ... | ... |
| 1100/2100G | 881,3 | 2 248,5 | ... | ... | 440,7 | 632,7 | ... | ... |
| 1110/2110G | 1 068,9 | 3 028,1 | ... | ... | 534,4 | 790,9 | ... | ... |
| 1120/2120G | 1 423,7 | 4 304,9 | ... | ... | 711,8 | 1 070,0 | ... | ... |
| 1130/2130G | 1 794,3 | 5 785,1 | ... | ... | 897,1 | 1 367,2 | ... | ... |
| 1140/2140G | 2 119,7 | 6 835,9 | ... | ... | 1 059,9 | 1 615,8 | ... | ... |
| 1150/2150G | 2 508,2 | 8 802,0 | ... | ... | 1 254,2 | 1 954,7 | ... | ... |
| 1160/2160G | 3 457,5 | 12 078,7 | 7 412,2 | 2 994,2 | 1 728,8 | 2 689,2 | 2 361,5 | 1 604,5 |
| 1180/2180G | 5 265,4 | 18 315,8 | 10 937,5 | 4 700,4 | 2 632,7 | 4 101,6 | 3 559,2 | 2 485,8 |
| 1200/2200G | 5 988,5 | 23 004,9 | 13 705,8 | 6 022,4 | 2 994,2 | 4 745,6 | 4 158,1 | 3 005,5 |
| 1220/2220G | 10 824,5 | 34 857,6 | 17 875,1 | 8 146,6 | 5 412,2 | 8 259,6 | 6 745,5 | 4 643,9 |
| 1240/2240G | 10 508,1 | 40 789,6 | 23 106,6 | 10 496,8 | 5 254,1 | 8 350,0 | 7 220,1 | 5 254,1 |
| 1260/2260G | 13 197,3 | 51 862,6 | 28 993,4 | 13 581,5 | 6 598,6 | 10 519,4 | 9 073,1 | 6 700,3 |
| 1280/2280G | 17 377,9 | 67 737,8 | 37 422,5 | 18 055,9 | 8 689,0 | 13 830,0 | 11 864,0 | 8 858,5 |
| 1300/2300G | 22 146,1 | 86 155,3 | 47 139,6 | 23 264,7 | 11 073,1 | 17 615,2 | 15 072,9 | 11 344,2 |

TABLE 30 — WR² Values – KgM²

WR² values are based on hubs with no bore.

| SIZE | Type G20 Double Engagement | Type G52 Single Engagement |
|------------|-------------------------------|-------------------------------|
| 1080/2080G | 22,2 | 21,2 |
| 1090/2090G | 39,9 | 38,0 |
| 1100/2100G | 61,7 | 55,5 |
| 1110/2110G | 93,3 | 86,5 |
| 1120/2120G | 138 | 130 |
| 1130/2130G | 198 | 189 |
| 1140/2140G | 269 | 256 |
| 1150/2150G | 365 | 351 |
| 1160/2160G | 526 | 514 |
| 1180/2180G | 850 | 829 |
| 1200/2200G | 1 455 | 1 425 |
| 1220/2220G | 2 475 | 2 413 |
| 1240/2240G | 3 565 | 3 492 |
| 1260/2260G | 4 887 | 4 883 |
| 1280/2280G | 6 636 | 6 694 |
| 1300/2300G | 8 742 | 8 807 |



Engineering Data — Large Flanged Sleeve

Data for couplings with reduced shank diameter hubs.

Depending upon bore, a reduced shank diameter hub (Dimension "N" or "K") is available for each coupling, sizes 1160/2160 thru 1300/2300. This provides reduced weight and WR².

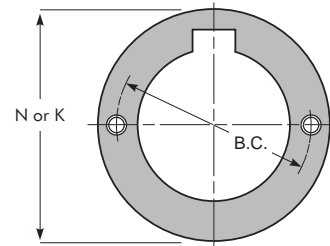


TABLE 31 — Bore Ranges for Reduced Shank Diameter Hubs — Millimeters *

| SIZE ★ | Flex Hub | | | Weight (kg) | | | Rigid Hub | | K † | Weight (kg) * | | | Coupling WR ² (Kgm ²) |
|------------|--------------------|-------------|--------|--|------------------------------------|--|--------------------|-------------|--------|--|---------------------------------------|--|--|
| | Max Bore • ▲ | Min Bore | N † | Sleeves End Rings and Fasteners | Flex Hub With No Bore (Each) | Coupling WR ² (Kgm ²) | Max Bore • ▲ | Min Bore | | Sleeve End Ring and Fasteners | Flex Hub With No Bore (Each) | Rigid Hub With No Bore (Each) | |
| 1160/2160G | 463 | 330 | 647,7 | 1388 | 1388 | 470 | 562 | 375 | 787,4 | 748 | 1388 | 1901 | 418 |
| | 376 | 254 | 527,0 | 1388 | 1193 | 437 | 426 | 254 | 596,9 | ... | 1193 | 1383 | 338 |
| 1180/2180G | 535 | 381 | 749,3 | 1642 | 1878 | 767 | 626 | 419 | 876,3 | 885 | 1878 | 2413 | 671 |
| | 435 | 286 | 609,6 | 1642 | 1601 | 702 | 481 | 286 | 673,1 | ... | 1601 | 1787 | 543 |
| 1200/2200G | 608 | 432 | 850,9 | 2200 | 2749 | 1315 | 689 | 470 | 965,2 | 1184 | 2749 | 3434 | 1152 |
| | 494 | 318 | 692,2 | 2200 | 2291 | 1169 | 535 | 318 | 749,3 | ... | 2291 | 2549 | 922 |
| 1220/2220G | 680 | 489 | 952,5 | 3257 | 3706 | 2275 | 753 | 515 | 1054,1 | 1724 | 3706 | 4468 | 1910 |
| | 558 | 349 | 781,0 | 3257 | 3093 | 2033 | 590 | 350 | 825,5 | ... | 3093 | 3361 | 1545 |
| 1240/2240G | 753 | 540 | 1054,1 | 3633 | 4826 | 3252 | 816 | 565 | 1143,0 | 1978 | 4826 | 5693 | 2808 |
| | 617 | 381 | 863,6 | 3633 | 3978 | 2848 | 644 | 381 | 901,7 | ... | 3978 | 4264 | 2234 |
| 1260/2260G | 826 | 591 | 1155,7 | 3978 | 6142 | 4454 | 880 | 610 | 1231,9 | 2164 | 6142 | 7013 | 3890 |
| | 676 | 413 | 946,2 | 3978 | 5008 | 4588 | 699 | 413 | 977,9 | ... | 5008 | 5298 | 3038 |
| 1280/2280G | 898 | 650 | 1257,3 | 4627 | 7412 | 6081 | 943 | 660 | 1320,8 | 2517 | 7412 | 8319 | 5288 |
| | 739 | 445 | 1035,0 | 4627 | 6055 | 5147 | 753 | 445 | 1054,1 | ... | 6055 | 6382 | 4142 |
| 1300/2300G | 971 | 700 | 1358,9 | 5185 | 8845 | 8035 | 1007 | 705 | 1409,7 | 2817 | 8845 | 9671 | 6961 |
| | 798 | 476 | 1117,6 | 5185 | 7199 | 6742 | 807 | 476 | 1130,3 | ... | 7199 | 7466 | 5435 |

★ See Page 15 for General Information and other reference notes.

† Hubs with the least possible "K" or "N" dimensions for the required bore are normally furnished.

* Total weight of coupling varies with "K" or "N" dimensions of rigid and flex hub selection. Add weight of selected hubs to "Sleeve, End Ring and Fasteners" weight.

▲ Note: Maximum bore dimensions are based upon a N/1.4 or K/1.4 ratio. For key and keyway dimensions, consult the Factory.

TABLE 32 — Flex Hub Puller Bolt Holes for Reduced Shank Diameter Hubs — Millimeters

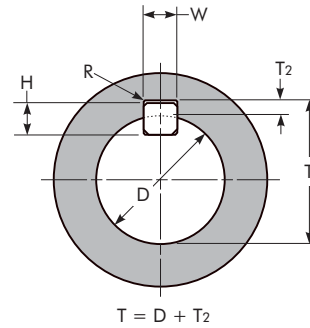
| SIZE ★ | Millimeters | | | SIZE ★ | Millimeters | | |
|------------|-------------|-------|---------------|------------|-------------|---------|---------------|
| | N | B.C. | Tap Size (in) | | N | B.C. | Tap Size (in) |
| 1160/2160G | 647,7 | 571,5 | 1.500-6 UNC | 1240/2240G | 1 054,1 | 927,1 | 2-4.5 UNC |
| | 527,0 | 450,8 | | | 863,6 | 749,3 | |
| 1180/2180G | 749,3 | 660,4 | 1.500-6 UNC | 1260/2260G | 1 155,7 | 1 028,7 | 2-4.5 UNC |
| | 609,6 | 520,7 | | | 946,1 | 819,2 | |
| 1200/2200G | 850,9 | 749,3 | 2-4.5 UNC | 1280/2280G | 1 257,3 | 1 130,3 | 2-4.5 UNC |
| | 692,2 | 590,6 | | | 1 035,0 | 908,0 | |
| 1220/2220G | 952,5 | 838,2 | 2-4.5 UNC | 1300/2300G | 1 358,9 | 1 231,9 | 2-4.5 UNC |
| | 781,1 | 666,8 | | | 1 117,6 | 990,6 | |



Engineering Data — Large Flanged Sleeve

Standard Filleted Keyways & Chamfered Keys

Fillets are standard in metric keyways. If fillets are required in inch keyways, refer to the Factory for recommendations.



$$T = D + T_2$$

TABLE 33 — Standard Filleted Keyways & Chamfered Keys — Millimeters

| Nominal Bore | | Key | | Hub Keyway | | | |
|--------------|------|----------------|-----------------------|------------|-----------|-------------|--------------|
| Over | Thru | Size (Nominal) | 45° Chamfer Suggested | Width | | Depth ♦ | Fillet Radii |
| 95 | 110 | 28 x 16 | 0,70 | 28 | +/-0,0260 | 6,4 / 6,6 | 0,60 |
| 110 | 130 | 32 x 18 | 0,70 | 32 | +/-0,0260 | 7,4 / 7,6 | 0,60 |
| 130 | 150 | 36 x 20 | 1,10 | 36 | +/-0,0260 | 8,4 / 8,7 | 1,00 |
| 150 | 170 | 40 x 22 | 1,10 | 40 | +/-0,0260 | 9,4 / 9,7 | 1,00 |
| 170 | 200 | 45 x 25 | 1,10 | 45 | +/-0,0260 | 10,4 / 10,7 | 1,00 |
| 200 | 230 | 50 x 28 | 1,10 | 50 | +/-0,0260 | 11,4 / 11,7 | 1,00 |
| 230 | 260 | 56 x 32 | 1,80 | 56 | +/-0,0260 | 12,4 / 12,7 | 1,60 |
| 260 | 290 | 63 x 32 | 1,80 | 63 | +/-0,0260 | 12,4 / 12,7 | 1,60 |
| 290 | 330 | 70 x 36 | 1,80 | 70 | +/-0,0260 | 14,4 / 14,7 | 1,60 |
| 330 | 380 | 80 x 40 | 2,70 | 80 | +/-0,0260 | 15,4 / 15,7 | 2,50 |
| 380 | 440 | 90 x 45 | 2,70 | 90 | +/-0,0260 | 17,4 / 17,7 | 2,50 |
| 440 | 500 | 100 x 50 | 2,70 | 100 | +/-0,0260 | 19,5 / 19,8 | 2,50 |

♦ Shallow keyway depth must equal or exceed $\frac{2}{3}$ of the full keyway depth of the square keys shown above.

Engineering Data — Large Flanged Sleeve

Double Engagement Couplings

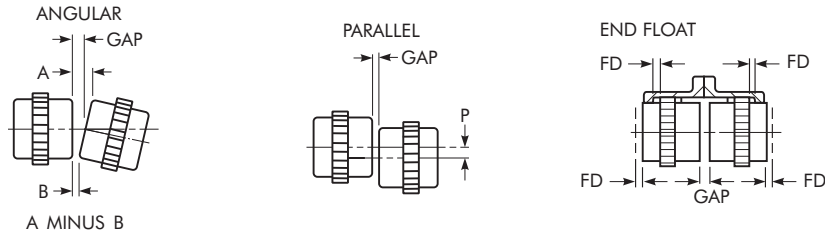


TABLE 34 — Misalignment & End Float – Double Engagement Couplings

| SIZE | Angular Misalignment Limits | | | | | | Parallel Misalignment Limits | | | | | | End Float | | |
|-----------|-----------------------------|------------------|----------------|------------------|----------------|------------------|------------------------------|------------------|-------------|------------------|----------|------------------|-----------------|------------------------|--------------------------------------|
| | Installation | | Operating * | | Static * | | Installation | | Operating * | | Static * | | Std FD Min (mm) | Normal Gap +/-10% (mm) | Physical Limit Min (2) FD + Gap (mm) |
| | A Minus B (mm) | Degrees Per Mesh | A Minus B (mm) | Degrees Per Mesh | A Minus B (mm) | Degrees Per Mesh | P (mm) | Degrees Per Mesh | P (mm) | Degrees Per Mesh | P (mm) | Degrees Per Mesh | | | |
| 1080/2080 | 0,81 | 1/16° | 4,83 | 3/8° | 9,65 | 3/4° | 0,41 | 1/16° | 2,46 | 3/8° | 4,90 | 3/4° | 4,32 | 10 | 18 |
| 1090/2090 | 0,91 | 1/16° | 5,49 | 3/8° | 10,97 | 3/4° | 0,43 | 1/16° | 2,64 | 3/8° | 5,23 | 3/4° | 6,30 | 13 | 25 |
| 1100/2100 | 1,02 | 1/16° | 6,15 | 3/8° | 12,29 | 3/4° | 0,48 | 1/16° | 2,97 | 3/8° | 5,94 | 3/4° | 6,30 | 13 | 25 |
| 1110/2110 | 1,14 | 1/16° | 6,81 | 3/8° | 13,64 | 3/4° | 0,56 | 1/16° | 3,30 | 3/8° | 6,58 | 3/4° | 6,30 | 13 | 25 |
| 1120/2120 | 1,24 | 1/16° | 7,49 | 3/8° | 14,99 | 3/4° | 0,58 | 1/16° | 3,51 | 3/8° | 7,04 | 3/4° | 6,30 | 13 | 25 |
| 1130/2130 | 1,32 | 1/16° | 7,98 | 3/8° | 15,95 | 3/4° | 0,61 | 1/16° | 3,61 | 3/8° | 7,24 | 3/4° | 8,76 | 19 | 37 |
| 1140/2140 | 1,45 | 1/16° | 8,64 | 3/8° | 17,30 | 3/4° | 0,64 | 1/16° | 3,81 | 3/8° | 7,59 | 3/4° | 8,76 | 19 | 37 |
| 1150/2150 | 1,55 | 1/16° | 9,32 | 3/8° | 18,62 | 3/4° | 0,69 | 1/16° | 4,17 | 3/8° | 8,33 | 3/4° | 8,76 | 19 | 37 |
| 1160/2160 | 1,60 | 1/16° | 9,65 | 3/8° | 19,28 | 3/4° | 0,71 | 1/16° | 4,22 | 3/8° | 8,41 | 3/4° | 11,68 | 25 | 49 |
| 1180/2180 | 1,83 | 1/16° | 10,97 | 3/8° | 21,95 | 3/4° | 0,74 | 1/16° | 4,37 | 3/8° | 8,74 | 3/4° | 11,68 | 25 | 49 |
| 1200/2200 | 2,03 | 1/16° | 12,14 | 3/8° | 24,28 | 3/4° | 0,89 | 1/16° | 5,28 | 3/8° | 10,57 | 3/4° | 11,68 | 25 | 49 |
| 1220/2220 | 2,21 | 1/16° | 13,31 | 3/8° | 26,59 | 3/4° | 0,99 | 1/16° | 5,87 | 3/8° | 11,73 | 3/4° | 11,68 | 25 | 49 |
| 1240/2240 | 2,46 | 1/16° | 14,78 | 3/8° | 29,59 | 3/4° | 1,07 | 1/16° | 6,40 | 3/8° | 12,80 | 3/4° | 11,68 | 25 | 49 |
| 1260/2260 | 2,69 | 1/16° | 16,13 | 3/8° | 32,46 | 3/4° | 1,17 | 1/16° | 6,93 | 3/8° | 13,89 | 3/4° | 11,68 | 25 | 49 |
| 1280/2280 | 2,92 | 1/16° | 17,45 | 3/8° | 34,90 | 3/4° | 1,19 | 1/16° | 7,14 | 3/8° | 14,30 | 3/4° | 11,68 | 25 | 49 |
| 1300/2300 | 3,12 | 1/16° | 18,80 | 3/8° | 37,57 | 3/4° | 1,22 | 1/16° | 7,37 | 3/8° | 14,71 | 3/4° | 11,68 | 25 | 49 |

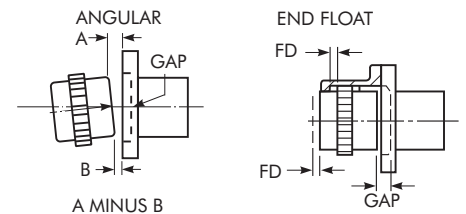
♦ These maximum operating alignment limits are each based on 3/8° per flex half coupling. Combined values of parallel and angular misalignment should not exceed 3/8°. Type GL slide couplings are limited to 1/4° per flex half. Application requirements in excess of these values should be referred to the the Factory for review.

TABLE 35 — Misalignment & End Float – Single Engagement Couplings

| SIZE | Angular Misalignment Limits * | | | | | | End Float | | | |
|-----------|-------------------------------|------------------|----------------|------------------|----------------|------------------|-----------------|-----------------------|--------------------------|----------------------------------|
| | Installation | | Operating | | Static | | Std FD Min (mm) | Normal Shaft Gap (mm) | Normal Face Gap (X) (mm) | Physical Limit Min FD + Gap (mm) |
| | A Minus B (mm) | Degrees Per Mesh | A Minus B (mm) | Degrees Per Mesh | A Minus B (mm) | Degrees Per Mesh | | | | |
| 1080/2080 | 0,81 | 1/8° | 2,41 | 3/8° | 4,83 | 3/4° | 4,57 | 13 | 5 | 17 |
| 1090/2090 | 0,91 | 1/8° | 2,74 | 3/8° | 5,49 | 3/4° | 6,55 | 14 | 6 | 21 |
| 1100/2100 | 1,02 | 1/8° | 3,07 | 3/8° | 6,15 | 3/4° | 6,48 | 16 | 6 | 22 |
| 1110/2110 | 1,14 | 1/8° | 3,40 | 3/8° | 6,81 | 3/4° | 6,48 | 16 | 6 | 22 |
| 1120/2120 | 1,24 | 1/8° | 3,73 | 3/8° | 7,49 | 3/4° | 6,48 | 16 | 6 | 22 |
| 1130/2130 | 1,32 | 1/8° | 3,99 | 3/8° | 7,98 | 3/4° | 8,64 | 19 | 9 | 28 |
| 1140/2140 | 1,45 | 1/8° | 4,32 | 3/8° | 8,64 | 3/4° | 8,64 | 19 | 9 | 28 |
| 1150/2150 | 1,55 | 1/8° | 4,65 | 3/8° | 9,32 | 3/4° | 8,64 | 19 | 9 | 28 |
| 1160/2160 | 1,60 | 1/8° | 4,83 | 3/8° | 9,65 | 3/4° | 11,43 | 25 | 13 | 37 |
| 1180/2180 | 1,83 | 1/8° | 5,49 | 3/8° | 10,97 | 3/4° | 11,43 | 25 | 13 | 37 |
| 1200/2200 | 2,03 | 1/8° | 6,07 | 3/8° | 12,14 | 3/4° | 11,43 | 25 | 13 | 37 |
| 1220/2220 | 2,21 | 1/8° | 6,65 | 3/8° | 13,31 | 3/4° | 11,43 | 29 | 13 | 40 |
| 1240/2240 | 2,46 | 1/8° | 7,39 | 3/8° | 14,78 | 3/4° | 11,43 | 29 | 13 | 40 |
| 1260/2260 | 2,69 | 1/8° | 8,05 | 3/8° | 16,13 | 3/4° | 11,43 | 29 | 13 | 40 |
| 1280/2280 | 2,92 | 1/8° | 8,74 | 3/8° | 17,45 | 3/4° | 11,30 | 29 | 13 | 40 |
| 1300/2300 | 3,12 | 1/8° | 9,40 | 3/8° | 18,80 | 3/4° | 11,30 | 29 | 13 | 40 |

* Do not use single engagement couplings to compensate for parallel offset misalignment.

Single Engagement Couplings



Engineering Data — All Gear Couplings

TABLE 36 — Recommended Bores for Metric Shafts – Millimeters (Per ISO/R775–1969)

| | Shaft Diameter | Clearance Fit | | Transitional Fit | | Interference Fit | |
|-------|------------------------------|------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|--------------------------------|
| | | Hub Bore | Fit ♦ | Hub Bore | Fit ♦ | Hub Bore | Fit ♦ |
| | i6 +0,008 / -0,003 | F7 +0,016 / +0,034 | +0,008 +0,037 | H7 +0,000 / +0,018 | -0,008 +0,021 | M6 -0,015 / -0,064 | -0,023 -0,001 |
| 12 | 12,008 / 11,997 | 12,016 / 12,034 | ↓ | 12,000 / 12,018 | ↓ | 11,985 / 11,996 | ↓ |
| 14 | 14,008 / 13,997 | 14,016 / 14,034 | ↓ | 14,000 / 14,018 | ↓ | 13,985 / 13,996 | ↓ |
| 16 | 16,008 / 15,997 | 16,016 / 16,034 | ↓ | 16,000 / 16,018 | ↓ | 15,985 / 15,996 | ↓ |
| 18 | 18,008 / 17,997 | 18,016 / 18,034 | ↓ | 18,000 / 18,018 | ↓ | 17,985 / 17,996 | ↓ |
| | i6 0,009 / -0,004 | F7 +0,020 / +0,041 | +0,011 +0,045 | H7 +0,000 / +0,021 | -0,009 +0,025 | M6 -0,017 / -0,004 | -0,026 +0,000 |
| 19 | 19,009 / 18,996 | 19,020 / 19,041 | ↓ | 19,000 / 19,021 | ↓ | 18,983 / 18,996 | ↓ |
| 20 | 20,009 / 19,996 | 20,020 / 20,041 | ↓ | 20,000 / 20,021 | ↓ | 19,983 / 19,996 | ↓ |
| 22 | 22,009 / 21,996 | 22,020 / 22,041 | ↓ | 22,000 / 22,021 | ↓ | 21,983 / 21,996 | ↓ |
| 24 | 24,009 / 23,996 | 24,020 / 24,041 | ↓ | 24,000 / 24,021 | ↓ | 23,983 / 23,996 | ↓ |
| 25 | 25,009 / 24,996 | 25,020 / 25,041 | ↓ | 25,000 / 25,021 | ↓ | 24,983 / 24,996 | ↓ |
| 28 | 28,009 / 27,996 | 28,020 / 28,041 | ↓ | 28,000 / 28,021 | ↓ | 27,983 / 27,996 | ↓ |
| 30 | 30,008 / 29,996 | 30,020 / 30,041 | ↓ | 30,000 / 30,021 | ↓ | 29,983 / 29,996 | ↓ |
| > 30 | k6 +0,018 / +0,002 | F7 +0,025 / +0,050 | +0,007 +0,048 | H7 +0,000 / +0,025 | -0,018 +0,023 | K6 -0,013 / +0,003 | -0,031 +0,001 |
| 32 | 32,018 / 32,002 | 32,025 / 32,050 | ↓ | 32,000 / 32,025 | ↓ | 31,987 / 32,003 | ↓ |
| 35 | 35,018 / 35,002 | 32,025 / 32,050 | ↓ | 35,000 / 35,025 | ↓ | 34,987 / 35,003 | ↓ |
| 38 | 38,018 / 38,002 | 38,025 / 38,050 | ↓ | 38,000 / 38,025 | ↓ | 37,987 / 38,003 | ↓ |
| 40 | 40,018 / 40,002 | 40,025 / 40,050 | ↓ | 40,000 / 40,025 | ↓ | 39,987 / 40,003 | ↓ |
| 42 | 42,018 / 42,002 | 42,025 / 42,050 | ↓ | 42,000 / 42,025 | ↓ | 41,987 / 42,003 | ↓ |
| 45 | 45,018 / 45,002 | 45,025 / 45,050 | ↓ | 45,000 / 45,025 | ↓ | 44,987 / 45,003 | ↓ |
| 48 | 48,018 / 48,002 | 48,025 / 48,050 | ↓ | 48,000 / 48,025 | ↓ | 47,987 / 48,003 | ↓ |
| 50 | 50,018 / 50,002 | 50,025 / 50,050 | ↓ | 50,000 / 50,025 | ↓ | 49,987 / 50,003 | ↓ |
| > 50 | m6 +0,030 / +0,011 | F7 +0,030 / +0,060 | +0,000 +0,049 | H7 +0,000 / +0,030 | -0,030 +0,019 | K7 -0,021 / +0,009 | -0,051 -0,002 |
| 55 | 55,030 / 55,011 | 55,030 / 55,060 | ↓ | 55,000 / 55,030 | ↓ | 54,979 / 55,009 | ↓ |
| 56 | 56,030 / 56,011 | 56,030 / 56,060 | ↓ | 56,000 / 56,030 | ↓ | 55,979 / 56,009 | ↓ |
| 60 | 60,030 / 60,011 | 60,030 / 60,060 | ↓ | 60,000 / 60,030 | ↓ | 59,979 / 60,009 | ↓ |
| 63 | 63,030 / 63,011 | 63,030 / 63,060 | ↓ | 63,000 / 63,030 | ↓ | 62,979 / 63,009 | ↓ |
| 65 | 65,030 / 65,011 | 65,030 / 65,060 | ↓ | 65,000 / 65,030 | ↓ | 64,979 / 65,009 | ↓ |
| 70 | 70,030 / 70,011 | 70,030 / 70,060 | ↓ | 70,000 / 70,030 | ↓ | 69,979 / 70,009 | ↓ |
| 71 | 71,030 / 71,011 | 71,030 / 71,060 | ↓ | 71,000 / 71,030 | ↓ | 70,799 / 71,009 | ↓ |
| 75 | 75,030 / 75,011 | 75,030 / 75,060 | ↓ | 75,000 / 75,030 | ↓ | 74,979 / 75,009 | ↓ |
| 80 | 80,030 / 80,011 | 80,030 / 80,060 | ↓ | 80,000 / 80,030 | ↓ | 79,979 / 80,009 | ↓ |
| > 80 | m6 +0,035 / +0,013 | F7 +0,036 / +0,071 | +0,001 +0,058 | H7 +0,000 / +0,035 | -0,035 +0,022 | M7 -0,035 / +0,000 | -0,070 -0,013 |
| 85 | 85,035 / 85,013 | 85,036 / 85,071 | ↓ | 85,000 / 85,035 | ↓ | 84,965 / 85,000 | ↓ |
| 90 | 90,035 / 90,013 | 90,036 / 90,071 | ↓ | 90,000 / 90,035 | ↓ | 89,965 / 90,000 | ↓ |
| 95 | 95,035 / 95,013 | 95,036 / 95,071 | ↓ | 95,000 / 95,035 | ↓ | 94,965 / 95,000 | ↓ |
| 100 | 100,035 / 100,013 | 100,036 / 100,071 | ↓ | 100,000 / 100,035 | ↓ | 99,965 / 100,000 | ↓ |
| > 100 | m6 +0,035 / +0,013 | F7 +0,036 / +0,071 | ↓ | H7 +0,000 / +0,035 | ↓ | P7 -0,059 / -0,024 | -0,094 -0,037 |
| 110 | 100,035 / 110,013 | 110,036 / 110,071 | ↓ | 110,000 / 110,035 | ↓ | 109,941 / 109,976 | ↓ |
| 120 | 120,035 / 120,013 | 120,036 / 120,071 | ↓ | 120,000 / 120,035 | ↓ | 119,941 / 119,976 | ↓ |
| > 120 | m6 0,040 / +0,015 | F7 +0,043 / +0,083 | +0,003 +0,068 | H7 +0,000 / +0,040 | -0,040 +0,025 | P7 -0,068 / -0,028 | -0,108 -0,043 |
| 125 | 125,040 / 125,015 | 125,043 / 125,083 | ↓ | 125,000 / 125,040 | ↓ | 124,932 / 124,972 | ↓ |
| 130 | 130,040 / 130,015 | 130,043 / 130,083 | ↓ | 130,000 / 130,040 | ↓ | 129,932 / 129,972 | ↓ |
| 140 | 140,040 / 140,015 | 140,043 / 140,083 | ↓ | 140,000 / 140,040 | ↓ | 139,932 / 139,972 | ↓ |
| 150 | 150,040 / 150,015 | 150,043 / 150,083 | ↓ | 150,000 / 150,040 | ↓ | 149,932 / 149,972 | ↓ |
| 160 | 160,040 / 160,015 | 160,043 / 160,083 | ↓ | 160,000 / 160,040 | ↓ | 159,932 / 159,972 | ↓ |
| 170 | 170,040 / 170,015 | 170,043 / 170,083 | ↓ | 170,000 / 170,040 | ↓ | 169,932 / 169,972 | ↓ |
| 180 | 180,040 / 180,015 | 180,043 / 180,083 | ↓ | 180,000 / 180,040 | ↓ | 179,932 / 179,972 | ↓ |

♦ Positive values are clearance, negative values are interference.

Continued on Page 57



Engineering Data — All Gear Couplings

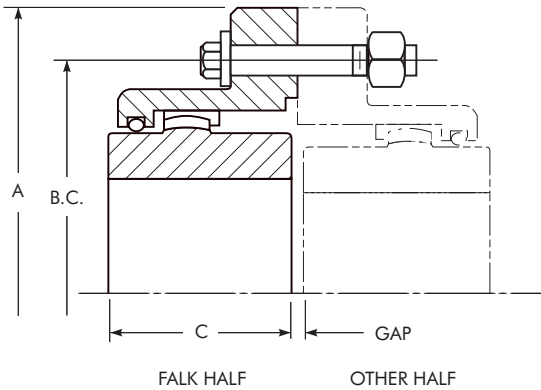
TABLE 36 — Recommended Bores for Metric Shafts – Millimeters (Per ISO/R775–1969) – Cont.

| | Shaft Diameter | Clearance Fit | | Transitional Fit | | Interference Fit | |
|-------|------------------------------|------------------------------|------------------|------------------------------|------------------|------------------------------|------------------|
| | | Hub Bore | Fit* | Hub Bore | Fit* | Hub Bore | Fit* |
| > 180 | m6 +0,046 / +0,017 | F7 +0,050 / +0,096 | +0,004 +0,079 | H7 +0,000 / +0,046 | -0,046 +0,029 | P7 -0,079 / -0,033 | -0,125 -0,050 |
| | 190 190,046 / 190,017 | 190,050 / 190,096 | ↓ | 190,000 / 190,460 | ↓ | 189,921 / 189,967 | ↓ |
| | 200 200,046 / 200,017 | 200,050 / 200,096 | ↓ | 200,000 / 200,046 | ↓ | 199,921 / 199,967 | ↓ |
| > 200 | m6 +0,046 / +0,017 | F7 +0,050 / +0,096 | ↓ | H7 +0,000 / +0,046 | ↓ | R7 -0,109 / -0,063 | -0,155 -0,080 |
| | 210 210,046 / 210,017 | 210,050 / 210,096 | ↓ | 210,000 / 210,046 | ↓ | 209,891 / 209,937 | ↓ |
| | 220 220,046 / 220,017 | 220,050 / 220,096 | ↓ | 220,000 / 220,046 | ↓ | 219,891 / 219,937 | ↓ |
| | 225 225,046 / 225,017 | 225,050 / 225,096 | ↓ | 225,000 / 225,046 | ↓ | 224,891 / 224,937 | ↓ |
| > 225 | m6 +0,046 / +0,017 | F7 +0,050 / +0,096 | ↓ | H7 +0,000 / +0,046 | ↓ | R7 -0,113 / -0,067 | -0,159 -0,084 |
| | 230 230,046 / 230,017 | 230,050 / 230,096 | ↓ | 230,000 / 230,046 | ↓ | 229,887 / 229,933 | ↓ |
| | 240 240,046 / 240,017 | 240,050 / 240,096 | ↓ | 240,000 / 240,046 | ↓ | 239,887 / 239,933 | ↓ |
| | 250 250,046 / 250,017 | 250,050 / 250,096 | ↓ | 250,000 / 250,046 | ↓ | 249,887 / 249,933 | ↓ |
| > 250 | m6 +0,052 / +0,020 | F7 +0,056 / +0,108 | +0,004 +0,088 | H7 +0,000 / +0,052 | -0,052 +0,032 | R7 -0,126 / -0,074 | -0,178 -0,094 |
| | 260 260,052 / 260,020 | 260,056 / 260,108 | ↓ | 260,000 / 260,052 | ↓ | 259,874 / 259,926 | ↓ |
| | 270 270,052 / 270,020 | 270,056 / 270,108 | ↓ | 270,000 / 270,052 | ↓ | 269,874 / 269,926 | ↓ |
| | 280 280,052 / 280,020 | 280,056 / 280,108 | ↓ | 280,000 / 280,052 | ↓ | 279,874 / 279,926 | ↓ |
| > 280 | m6 +0,052 / +0,020 | F7 +0,056 / +0,108 | ↓ | H7 +0,000 / +0,052 | ↓ | R7 -0,130 / -0,078 | -0,182 -0,098 |
| | 290 290,052 / 290,020 | 290,056 / 290,108 | ↓ | 290,000 / 290,052 | ↓ | 289,870 / 289,922 | ↓ |
| | 300 300,052 / 300,020 | 300,056 / 300,108 | ↓ | 300,000 / 300,052 | ↓ | 299,870 / 299,922 | ↓ |
| | 310 310,052 / 310,020 | 310,056 / 310,108 | ↓ | 310,000 / 310,052 | ↓ | 309,870 / 309,922 | ↓ |
| | 315 315,052 / 315,020 | 315,056 / 315,108 | ↓ | 315,000 / 315,052 | ↓ | 314,870 / 314,922 | ↓ |
| > 315 | m6 +0,057 / +0,021 | F7 +0,062 / +0,119 | +0,005 +0,098 | H7 +0,000 / +0,057 | -0,057 +0,036 | R7 -0,144 / -0,187 | -0,201 -0,108 |
| | 320 320,057 / 320,021 | 320,062 / 320,119 | ↓ | 320,000 / 320,057 | ↓ | 319,856 / 319,913 | ↓ |
| | 330 330,057 / 330,021 | 330,062 / 330,119 | ↓ | 330,000 / 330,057 | ↓ | 329,856 / 329,913 | ↓ |
| | 340 340,057 / 340,021 | 340,062 / 340,119 | ↓ | 340,000 / 340,057 | ↓ | 339,856 / 339,913 | ↓ |
| | 350 350,057 / 350,021 | 350,062 / 350,119 | ↓ | 350,000 / 350,057 | ↓ | 349,856 / 349,913 | ↓ |
| | 355 355,057 / 355,021 | 355,062 / 355,119 | ↓ | 355,000 / 355,057 | ↓ | 354,856 / 354,913 | ↓ |
| > 355 | m6 +0,057 / +0,021 | F7 +0,062 / +0,119 | ↓ | H7 +0,000 / +0,057 | ↓ | R8 -0,203 / -0,114 | -0,260 -0,136 |
| | 360 360,057 / 360,021 | 360,062 / 360,119 | ↓ | 360,000 / 360,057 | ↓ | 359,797 / 359,886 | ↓ |
| | 370 370,057 / 370,021 | 370,062 / 370,119 | ↓ | 370,000 / 370,057 | ↓ | 369,797 / 369,886 | ↓ |
| | 380 380,057 / 380,021 | 380,062 / 380,119 | ↓ | 380,000 / 380,057 | ↓ | 379,797 / 379,886 | ↓ |
| | 390 390,057 / 390,021 | 390,062 / 390,119 | ↓ | 390,000 / 390,057 | ↓ | 389,797 / 389,886 | ↓ |
| | 400 400,057 / 400,021 | 400,062 / 400,119 | ↓ | 400,000 / 400,057 | ↓ | 399,797 / 399,886 | ↓ |
| > 400 | m6 +0,063 / +0,023 | F7 +0,068 / +0,131 | +0,005 +0,108 | H7 +0,000 / +0,063 | -0,063 +0,040 | R8 -0,223 / -0,126 | -0,286 -0,149 |
| | 410 410,063 / 410,023 | 410,068 / 410,131 | ↓ | 410,000 / 410,063 | ↓ | 409,777 / 409,874 | ↓ |
| | 420 420,063 / 420,023 | 420,068 / 420,131 | ↓ | 420,000 / 420,063 | ↓ | 419,777 / 419,874 | ↓ |
| | 430 430,063 / 430,023 | 430,068 / 430,131 | ↓ | 430,000 / 430,063 | ↓ | 429,777 / 429,874 | ↓ |
| | 440 440,063 / 440,023 | 440,068 / 440,131 | ↓ | 440,000 / 440,063 | ↓ | 439,777 / 439,874 | ↓ |
| | 450 450,063 / 450,023 | 450,068 / 450,131 | ↓ | 450,000 / 450,063 | ↓ | 449,777 / 449,874 | ↓ |
| > 450 | m6 +0,063 / +0,023 | F7 +0,068 / +0,131 | ↓ | H7 +0,000 / +0,063 | ↓ | R8 -0,229 / -0,132 | -0,292 -0,155 |
| | 460 460,063 / 460,023 | 460,068 / 460,131 | ↓ | 460,000 / 460,063 | ↓ | 459,771 / 459,868 | ↓ |
| | 470 470,063 / 470,023 | 470,068 / 470,131 | ↓ | 470,000 / 470,063 | ↓ | 469,771 / 469,868 | ↓ |
| | 480 480,063 / 480,023 | 480,068 / 480,131 | ↓ | 480,000 / 480,063 | ↓ | 479,771 / 479,868 | ↓ |
| | 490 490,063 / 490,023 | 490,068 / 490,131 | ↓ | 490,000 / 490,063 | ↓ | 489,771 / 489,868 | ↓ |
| | 500 500,063 / 500,023 | 500,068 / 500,131 | ↓ | 500,000 / 500,063 | ↓ | 499,771 / 499,868 | ↓ |

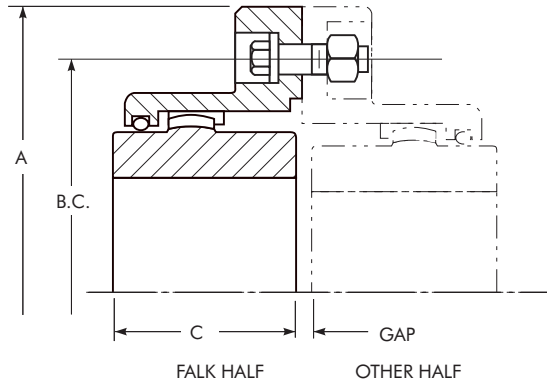
♦ Positive values are clearance, negative values are interference.



Interchange Guide ♦ — Flanged Sleeve Gear Couplings



Exposed Bolt — Falk G20 (1000 Series) Half & Other Half



Shrouded Bolt — Falk G10 (1000 Series) Half & Other Half

Exposed & Shrouded Bolts

| Common Dimensions | | | | | | Falk G20 Exposed & Falk G10 Shrouded (1000 Series) | | | | Falk GF Steel Mill Exposed & Shrouded | | | | Lovejoy® Sier-Bath-F® Exposed & Shrouded | | | | Falk G20 Exposed & Falk G20 Shrouded (10 Series) | | | | |
|-------------------|---------|----------------------|----------|----------------------|------|--|-----------------------|------------------|------|---------------------------------------|-----------------------|----------|------|--|-----------------------|----------|-------|--|-----------------------|----------|-------|-----|
| A | Exposed | | Shrouded | | Gap | SIZE | Torque Rating (lb-in) | Max Bore Std Key | C | SIZE | Torque Rating (lb-in) | Max Bore | C | SIZE | Torque Rating (lb-in) | Max Bore | C | SIZE | Torque Rating (lb-in) | Max Bore | C | |
| | B.C. | Cap Screw Size & Qty | B.C. | Cap Screw Size & Qty | | | | | | | | | | | | | | | | | | |
| 4.562 | 3.562 | 6-312 | 3.562 | 6-312 | .125 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4.562 | 3.750 | 6-250 | 3.750 | 6-250 | .125 | 1010G | 10,800 | 1.875 | 1.69 | 1GF | 7,600 | 1.625 | 1.69 | F-1 | 7,560 | 1.625 | 1.687 | 10G | 5,040 | 1.375 | 1.500 | |
| 6.000 | 4.812 | 8-375 | 4.812 | 8-375 | .125 | 1015G | 20,790 | 2.375 | 1.94 | 1-1/2GF | 18,900 | 2.125 | 1.94 | F-1 1/2 | 18,900 | 2.125 | 1.937 | 15G | 15,120 | 2.125 | 2.000 | |
| 7.000 | 5.875 | 6-500 | 5.812 | 10-375 | .125 | 1020G | 37,800 | 2.875 | 2.44 | 2GF | 31,500 | 2.750 | 2.44 | F-2 | 31,500 | 2.750 | 2.437 | 20G | 31,500 | 2.625 | 2.437 | |
| 8.375 | 7.125 | 6-625 | 7.000 | 10-500 | .187 | 1025G | 66,150 | 3.625 | 3.03 | 2-1/2GF | 56,700 | 3.250 | 3.03 | F-2 1/2 | 56,700 | 3.250 | 3.031 | 25G | 56,700 | 3.250 | 3.031 | |
| 9.437 | 8.125 | 8-625 | 8.000 | 12-500 | .187 | 1030G | 107,100 | 4.125 | 3.59 | 3GF | 101,000 | 4.000 | 3.59 | F-3 | 94,500 | 4.000 | 3.593 | 30G | 94,500 | 3.750 | 3.593 | |
| 11.000 | 9.500 | 8-750 | 9.281 | 12-625 | .250 | 1035G | 163,800 | 4.875 | 4.19 | 3-1/2GF | 151,300 | 4.500 | 4.19 | F-3 1/2 | 151,200 | 4.500 | 4.187 | 35G | 126,000 | 4.500 | 4.187 | |
| 12.500 | 11.000 | 8-750 | 10.625 | 14-625 | .125 | 1040G | 270,900 | 5.750 | 4.75 | 4GF | 236,000 | 5.375 | 4.75 | F-4 | 220,500 | 5.375 | 4.750 | 40G | 189,000 | 5.125 | 4.750 | |
| 13.625 | 12.000 | 10-750 | 11.750 | 14-625 | .312 | 1045G | 371,700 | 6.750 | 5.31 | 4-1/2GF | 324,000 | 6.500 | 5.31 | F-4 1/2 | 302,400 | 6.500 | 5.312 | 45G | 267,750 | 5.500 | 5.312 | |
| 15.312 | 13.500 | 8-875 | 13.187 | 14-750 | .312 | 1050G | 500,900 | 7.375 | 6.03 | 5GF | 441,000 | 7.000 | 6.03 | F-5 | 434,700 | 7.000 | 6.031 | 50G | 368,550 | 6.375 | 6.031 | |
| 16.750 | 14.500 | 14-875 | 14.437 | 16-750 | .312 | 1055G | 655,200 | 8.250 | 6.62 | 5-1/2GF | 580,000 | 7.750 | 6.91 | F-5 1/2 | 573,300 | 7.750 | 6.906 | 55G | 491,400 | 7.250 | 6.625 | |
| 18.000 | 15.750 | 14-875 | NA | NA | .312 | 1060G | 800,100 | 9.125 | 7.41 | 6GF | 759,000 | 8.750 | 7.41 | F-6 | 749,700 | 8.750 | 7.406 | 60G | 630,000 | 8.250 | 7.375 | |

Exposed & Shrouded Bolts (Continued)

| Kop-Flex® (Koppers) HM (Exposed) HS (Shrouded) | | | | Kop-Flex (Fast)® EB (Exposed) SB (Shrouded) | | | | Kop-Flex (Waldron)® EB (Exposed) SB (Shrouded) | | | | Zurn® Amerigear-F Exposed & Shrouded (200 Series) | | | | Renold® Metal Seal Exposed & Shrouded | | | |
|--|-----------------------|----------|-------|---|-----------------------|----------|-------|--|-----------------------|----------|-------|--|-----------------------|----------|-------|---|-----------------------|----------|-------|
| SIZE | Torque Rating (lb-in) | Max Bore | C | SIZE | Torque Rating (lb-in) | Max Bore | C | SIZE | Torque Rating (lb-in) | Max Bore | C | SIZE | Torque Rating (lb-in) | Max Bore | C | SIZE | Torque Rating (lb-in) | Max Bore | C |
| 1HM/HS | 7,560 | 1.625 | 1.687 | ... | ... | ... | ... | 1EB/SB | 6,300 | 1.625 | 1.687 | ... | ... | ... | ... | ... | ... | ... | ... |
| 1-1/2HM/HS | 17,010 | 2.250 | 1.937 | 1-1/2EB/SB | 17,010 | 1.625 | 1.937 | 1-1/2EB/SB | 15,120 | 2.187 | 2.062 | F201-1/2 | 17,010 | 2.250 | 1.937 | 1-1/2 | 2,016 | 1.750 | 1.937 |
| 2HM/HS | 31,500 | 2.750 | 2.437 | 2EB/B | 31,500 | 2.125 | 2.437 | 2EB/SB | 31,500 | 2.750 | 2.437 | F202 | 31,500 | 2.750 | 2.437 | 2 | 34,650 | 2.250 | 2.437 |
| 2-1/2HM/HS | 56,700 | 3.500 | 3.031 | 2-1/2EB/SB | 56,700 | 2.750 | 3.031 | 2-1/2EB/SB | 56,700 | 3.250 | 3.031 | F202-1/2 | 53,550 | 3.500 | 3.031 | 2-1/2 | 59,850 | 2.750 | 3.031 |
| 3HM/HS | 88,200 | 4.000 | 3.593 | 3EB/B | 100,800 | 3.125 | 3.593 | 3EB/SB | 94,500 | 4.000 | 3.593 | F203 | 94,500 | 4.000 | 3.593 | 3 | 99,540 | 3.250 | 3.593 |
| 3-1/2HM/HS | 129,150 | 4.500 | 4.187 | 3-1/2EB/SB | 148,050 | 3.750 | 4.187 | 3-1/2EB/SB | 144,900 | 4.750 | 4.187 | F203-1/2 | 141,750 | 4.500 | 4.187 | 3-1/2 | 149,940 | 3.750 | 4.187 |
| 4HM/HS | 204,750 | 5.500 | 4.750 | 4EB/B | 236,250 | 4.250 | 4.750 | 4EBSB | 220,500 | 5.375 | 4.750 | F204 | 214,200 | 5.500 | 4.750 | 4 | 269,640 | 4.250 | 4.750 |
| 4-1/2HM/HS | 277,200 | 6.000 | 5.312 | 4-1/2EB/SB | 318,150 | 4.750 | 5.312 | 4-1/2EBSB | 302,400 | 6.000 | 5.375 | F204-1/2 | 324,450 | 6.250 | 5.312 | 4-1/2 | 369,810 | 4.750 | 5.312 |
| 5HM/HS | 384,300 | 6.875 | 6.031 | 5EB/B | 441,000 | 5.500 | 6.031 | 5EB/SB | 409,500 | 7.000 | 6.125 | F205 | 415,800 | 6.750 | 6.031 | 5 | 499,590 | 5.500 | 6.031 |
| 5-1/2HM/HS | 504,000 | 7.750 | 6.906 | 5-1/2EB/SB | 579,600 | 5.875 | 6.906 | 5-1/2EBSB | 535,500 | 7.750 | 6.625 | F205-1/2 | 551,250 | 7.620 | 6.625 | 5-1/2 | 650,160 | 6.250 | 6.906 |
| 6HM | 661,500 | 8.625 | 7.406 | 6EB | 759,150 | 6.500 | 7.406 | 6EB | 693,000 | 8.750 | 7.375 | F206 | 749,700 | 8.620 | 7.406 | 6 | 749,700 | 7.375 | 7.406 |
| 7HM | 1,008,000 | 10.375 | 8.687 | 7EB | 1,159,200 | 8.000 | 8.687 | 7EB | 1,010,000 | 9.750 | 8.687 | F207 | 1,033,200 | 10.250 | 8.687 | 7 | 926,100 | 8.750 | 8.687 |

□ Based on the original Sier-Bath design. Component parts are interchangeable.

♦ Competitive complete half couplings are interchangeable because O.D., bolt circle, quantity and size are the same.



Interchange Guide — Continuous Sleeve Gear Couplings ▲

| SIZE | Max Bore | Torque (lb-in) | RPM ♦ | O.D. | Overall Length | Gap | SIZE | Max Bore | Torque (lb-in) | RPM | O.D. | Overall Length | Gap | SIZE | Max Bore | Torque (lb-in) | RPM | O.D. | Overall Length | Gap |
|-------------|----------|----------------|-------|------|----------------|------|--------------------------|----------|----------------|-------|-------|----------------|------|--------------------------|----------|----------------|--------|-------|----------------|------|
| Falk | | | | | | | Lovejoy Sier-Bath | | | | | | | Kop-Flex Waldron | | | | | | |
| 1010GC | 1.875 | 10,800 | 5,300 | 3.50 | 3.50 | .125 | 7/8C | 1.25 | 2,520 | 6,000 | 3.31 | 3.13 | .125 | 1-1/8PL | 1.250 | 2,520 | 14,000 | 2.94 | 3.00 | .125 |
| | | | | | | | 1-1/2C | 1.63 | 7,560 | 5,000 | 3.75 | 3.75 | .125 | 1-5/8PL | 1.750 | 7,560 | 11,000 | 3.56 | 3.62 | .125 |
| 1015GC | 2.375 | 20,790 | 4,300 | 4.30 | 4.08 | .125 | 2C | 2.13 | 20,160 | 4,200 | 4.75 | 4.25 | .125 | 1½P | 2.19 | 15,120 | 9,000 | 4.12 | 4.25 | .125 |
| 1020GC | 2.875 | 37,800 | 3,700 | 5.20 | 5.07 | .125 | 2-1/2C | 2.63 | 30,240 | 3,750 | 5.50 | 4.75 | .250 | 2P | 2.75 | 31,500 | 7,200 | 5.19 | 5.00 | .125 |
| | | | | | | | 3C | 3.13 | 50,400 | 3,000 | 6.63 | 5.50 | .250 | 2½P | 3.25 | 56,700 | 6,000 | 6.00 | 6.25 | .188 |
| 1025GC | 3.625 | 66,150 | 3,300 | 6.44 | 6.25 | .188 | 3-1/2C | 3.63 | 88,200 | 2,800 | 7.50 | 8.75 | .250 | 3P | 4.00 | 94,500 | 5,200 | 7.00 | 7.38 | .188 |
| | | | | | | | 4C | 4.13 | 126,000 | 2,400 | 8.75 | 9.00 | .250 | 3-½P | 4.75 | 144,900 | 4,600 | 8.25 | 8.62 | .250 |
| 1030GC | 4.125 | 107,100 | 2,900 | 7.50 | 7.37 | .188 | 4-1/2C | 4.75 | 183,960 | 2,200 | 9.50 | 10.25 | .250 | 4P | 5.38 | 220,500 | 4,200 | 9.25 | 9.75 | .250 |
| 1035GC | 4.875 | 163,800 | 2,600 | 8.50 | 8.63 | .250 | 5C | 5.75 | 270,900 | 2,100 | 10.75 | 12.25 | .250 | | | | | | | |
| ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | | | | |
| Falk | | | | | | | Zurn | | | | | | | System Components | | | | | | |
| 1010GC | 1.875 | 10,800 | 5,300 | 3.50 | 3.50 | .125 | 201CS | 1.250 | 3,150 | 9,800 | 2.69 | 2.88 | .125 | 8S | 1.310 | 4,410 | 9,600 | 2.81 | 1.41 | .094 |
| | | | | | | | 201-¼CS | 1.625 | 7,560 | 8,900 | 3.19 | 3.50 | .125 | 10S | 1.630 | 9,765 | 7,560 | 3.44 | 1.84 | .094 |
| 1015GC | 2.375 | 20,790 | 4,300 | 4.30 | 4.08 | .125 | 201-½CS | 2.250 | 17,010 | 7,700 | 4.38 | 4.00 | .125 | 12S | 1.940 | 13,860 | 6,900 | 3.94 | 1.84 | .094 |
| 1020GC | 2.875 | 37,800 | 3,700 | 5.20 | 5.07 | .125 | 202CS | 2.750 | 31,500 | 6,200 | 5.38 | 5.00 | .125 | 15S | 2.130 | 19,530 | 6,600 | 4.13 | 2.78 | .125 |
| | | | | | | | 202-½CS | 3.500 | 53,500 | 6,000 | 6.50 | 6.25 | .188 | 20S | 2.750 | 32,130 | 5,280 | 5.13 | 3.19 | .125 |
| 1025GC | 3.625 | 66,150 | 3,300 | 6.44 | 6.25 | .188 | 203CS | 4.000 | 94,500 | 5,200 | 7.44 | 7.37 | .188 | 25S | 3.250 | 56,700 | 4,500 | 6.03 | 3.88 | .188 |
| | | | | | | | 203-½CS | 4.500 | 141,750 | 4,400 | 8.32 | 8.63 | .250 | 30S | 3.750 | 95,760 | 3,960 | 6.84 | 4.53 | .188 |
| 1030GC | 4.125 | 107,100 | 2,900 | 7.50 | 7.37 | .188 | 204CS | 5.500 | 214,200 | 3,550 | 9.86 | 9.75 | .250 | 35S | 4.250 | 151,200 | 3,480 | 7.88 | 5.41 | .250 |
| 1035GC | 4.875 | 163,800 | 2,600 | 8.50 | 8.63 | .250 | | | | | | | | 40S | 5.000 | 226,800 | 2,940 | 9.13 | 5.59 | .250 |
| ... | ... | ... | ... | ... | ... | ... | | | | | | | | 45S | 5.500 | 333,900 | 2,640 | 10.41 | 6.66 | .312 |

▲ Couplings are functionally interchangeable only; components are not interchangeable. Verify interchange against specific application selection criteria.
 ♦ Consult the Factory for higher speeds.



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