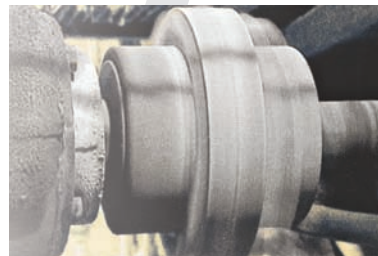
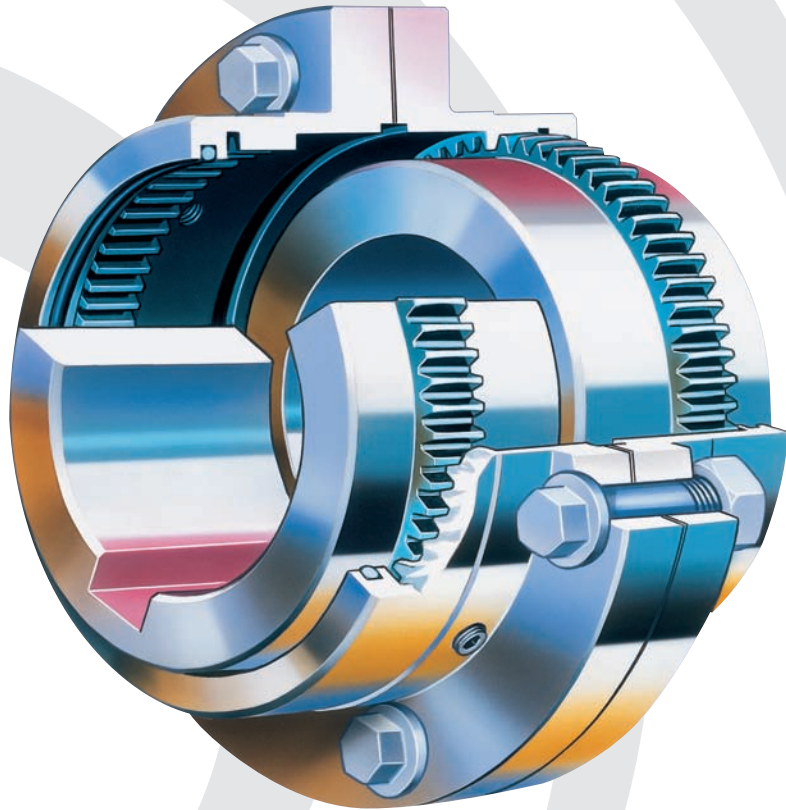


Falk™ Lifelign® Gear Couplings

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



**REXNORD**

# 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.

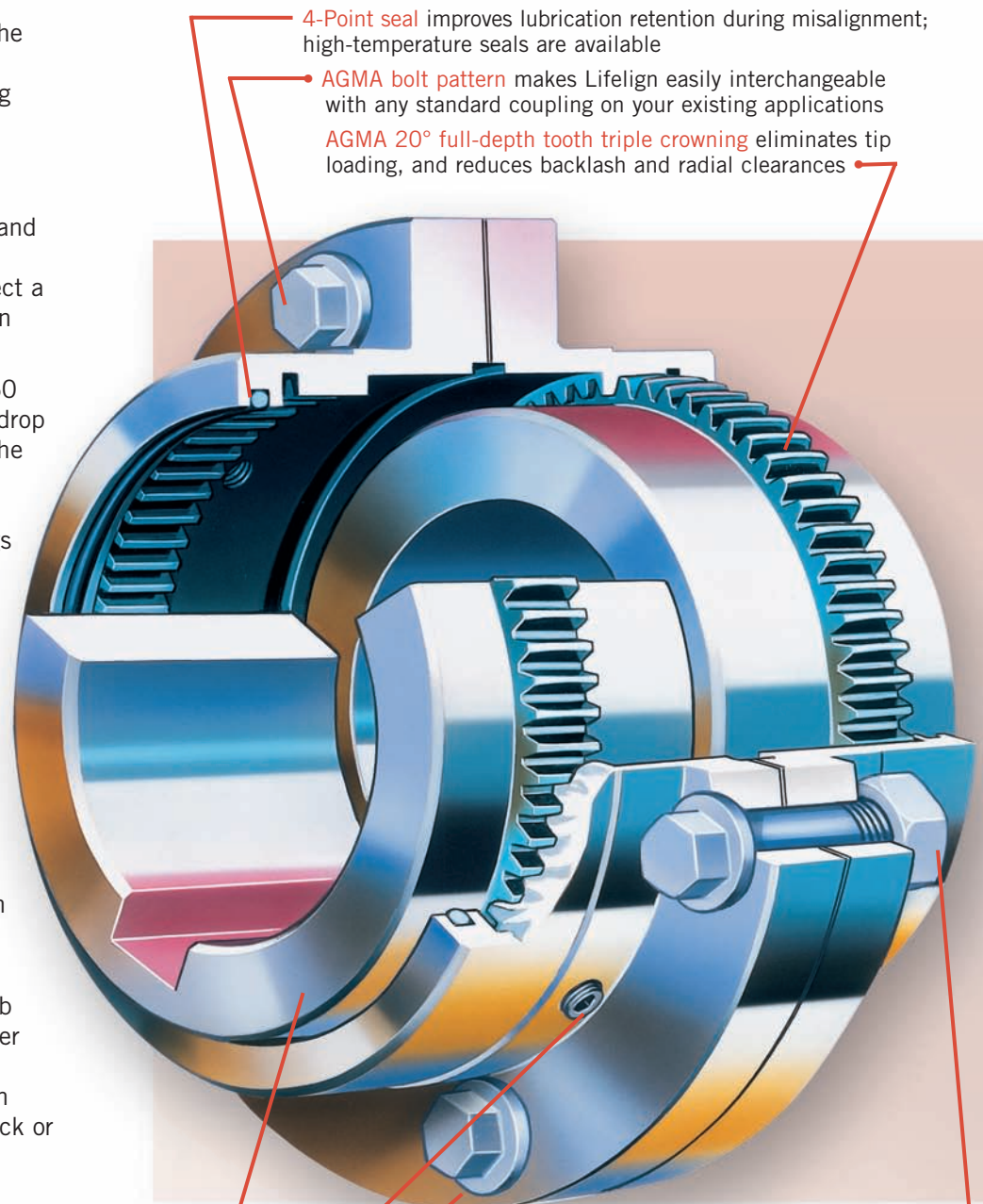
In fact, selections for T frame, 60 hertz electric motors result in a drop of one coupling size for half of the 28 motor frames available. The result: quality, reliability and performance with average savings of 15-20% over competitive offerings.

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

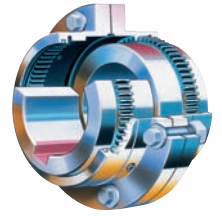
### Higher Torque Ratings

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

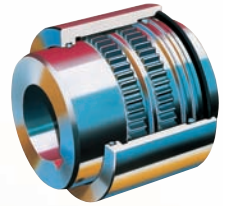
#### G Standard Flanged Sleeve

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



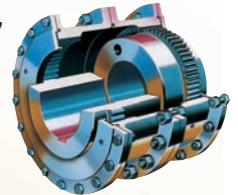
#### GC Continuous Sleeve

Used on high-speed equipment with low inertia requirements.

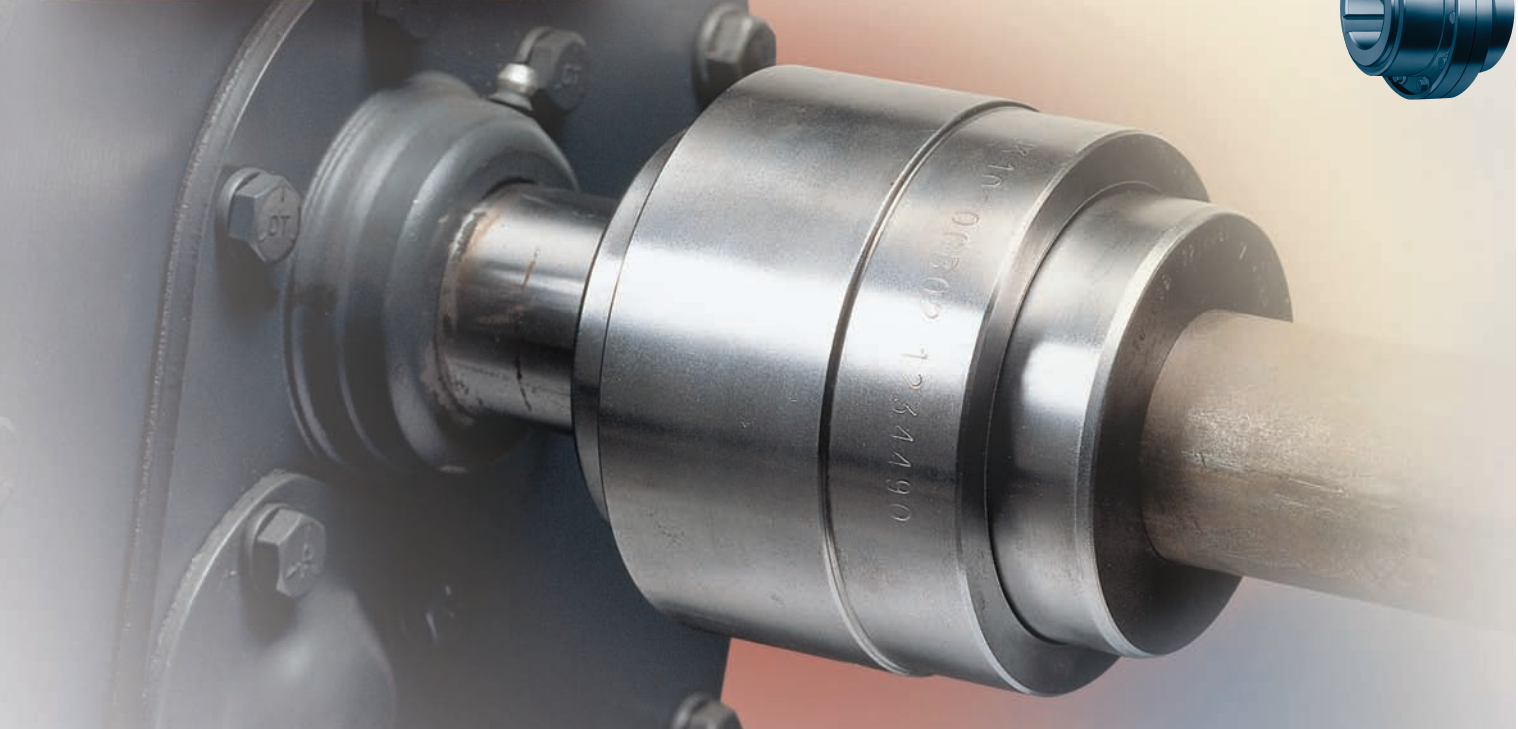
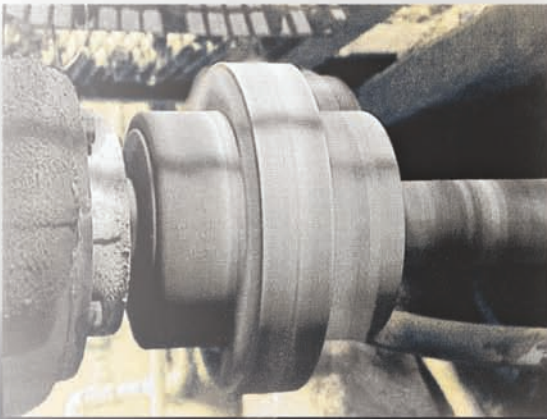


#### G Large Flanged Sleeve

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



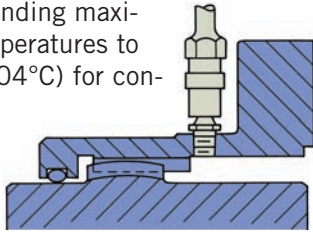
## Lifetime Savings

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

## Advanced Lube System

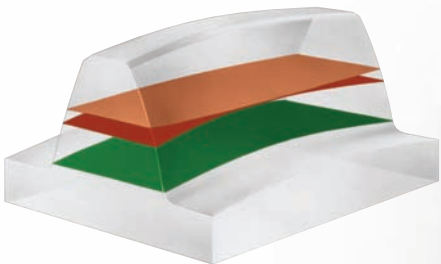
Falk Long Term Grease (LTG) eliminates routine lubrication cycles for up to 3 years. The location of the lubrication hole in the sleeve ensures that an adequate grease reservoir will be maintained close to the gear mesh. Plus, Lifesign's 4-point seal contact provides better retention of lubricant, eliminating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



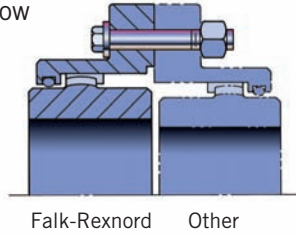
## Triple crown protection

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 451-110, October 2006

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**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 250°F (121°C).

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

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

# Lifelign® Gear Coupling Nomenclature

Type GC (Pages 16 thru 18 & 37 thru 41)

1010

SIZE

GC

PRODUCT  
CLASSIFICATION

Gear — Continuous Sleeve

02

TYPE

GC02 = Double Engagement  
GC05 = Single Engagement/Floating Shaft

Type G (Pages 19 thru 41)

1010

SIZE

G

PRODUCT  
CLASSIFICATION

Gear — Standard Flanged Sleeve

20

TYPE (Shrouded and Exposed Bolts)

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 56)

1080

SIZE

G

PRODUCT  
CLASSIFICATION

Gear — Large Flanged Sleeve

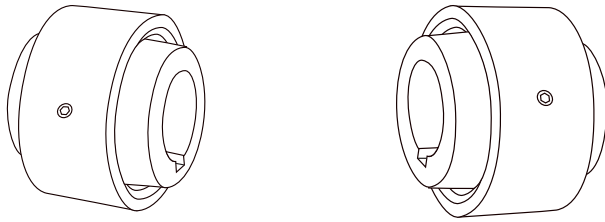
20

TYPE (Exposed Bolts Only)

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

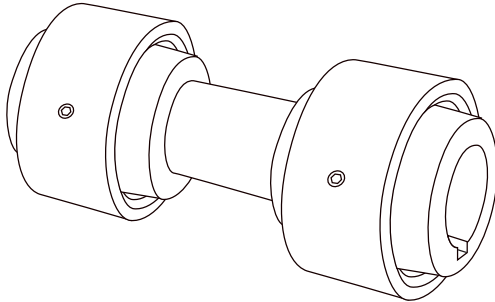
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# Lifeline Gear Coupling Types



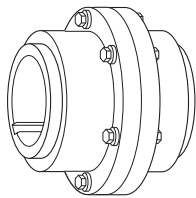
Type GC02 & GC05

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.)

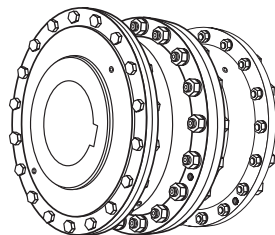


Type GC05 Floating Shaft

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

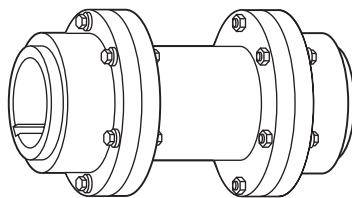


Type G Large Gear Coupling

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.)

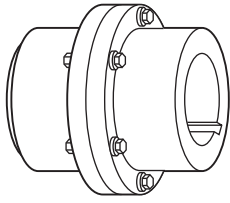
Type GV20 vertical double engagement coupling is a standard horizontal double engagement gear coupling modified to accommodate the sleeve centering assembly. Recommended for inclinations over 10°. (See Pages 24 and 45.)

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



Types G32

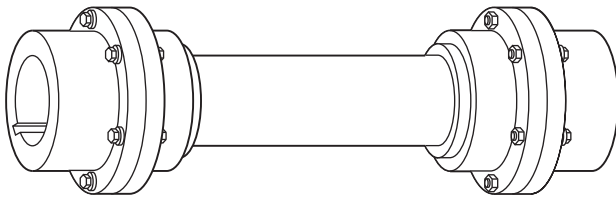
Spacer couplings for pump and compressor applications simplify servicing connected equipment. Spacer couplings use a standard double engagement coupling with a spacer tube and an additional set of fasteners. Stock spacer lengths for quick delivery are available in the popular sizes. Special lengths are 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 10,000 lbs.; Sizes 1035 thru 1070GV52 is 30,000 lbs. and Sizes 1080GV52 and larger is 87,000 lbs. (See Pages 25 & 46.)

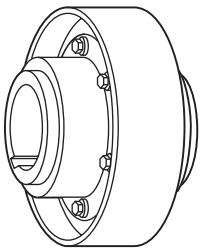


Types G52, GV52

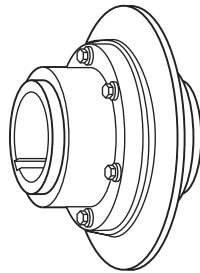
Floating shaft assemblies are used when distance between equipment is too great for spacer couplings. A standard floating shaft assembly consists of two standard single engagement couplings, two gap discs and a connecting shaft. A floating shaft can eliminate the need for additional bearing supports along spanning shafts because the shaft is supported by connected equipment through the single engagement couplings. (See Pages 22, 23, 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.

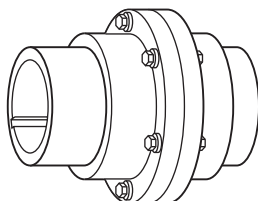


Types G62 & 66



Type G63

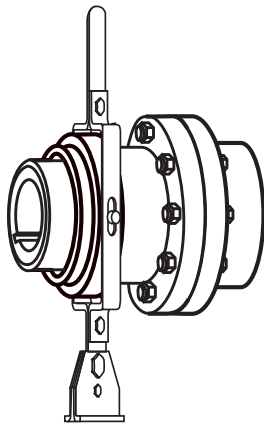
Double or single engagement brakewheel and disc brake couplings are used for applications, such as cranes, hoists and conveyors. Brakewheel and disc brake couplings accommodate misalignment between connected equipment and eliminate the need for double shaft extensions on motors and gear drives for applications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

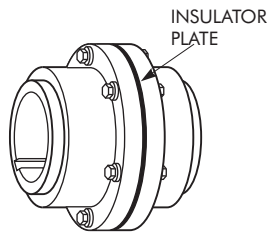




Types G70 & G72

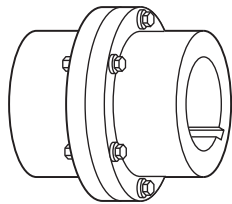
Type G70 Disconnect couplings are used for low speed applications that require quick disconnect of equipment or inching drives. It is used for occasional servicing or inspection of drive system components and is most commonly used on portable or stationary inching drive systems where the driving end 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.)



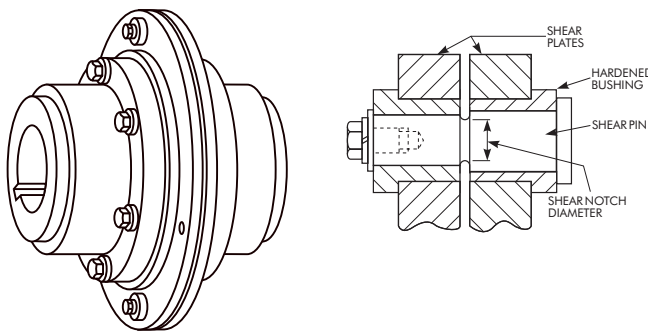
Types GP20, 52 & 82

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 & GV82

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.

- Horsepower or torque
- 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 the Factory.**

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

$$\text{System Torque (lb - in)} = \frac{\text{HP} \times 63,000}{\text{rpm}}$$

Where: HP (Horsepower) 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:

$$\text{Minimum Coupling Rating} = \text{S.F. (Service Factor)} \times \text{Torque (lb-in)}$$

- 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 500 HP, 1170 RPM electric motor to a drive high speed shaft of a maneuvering winch. Maximum shaft separation is .250". Motor shaft diameter is 3.375" and keyway is .875" x .438". Winch shaft diameter is 3.000" and keyway is .750" x .375". Motor and winch extensions are both 6.000" long.

### 1. DETERMINE REQUIRED RATING:

$$\text{System Torque (lb - in)} = \frac{500 \text{ HP} \times 63,000}{1170 \text{ rpm}} = 26,923$$

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

### 3. REQUIRED MINIMUM COUPLING RATING:

$$1.5 \times 26,923 \text{ lb-in} = 40,385 \text{ lb-in}$$

- 4. TYPE:** From Page 7, to connect close coupled shafts (.250" gap) the double engagement Type 1025GC02 or Type 1025G20 coupling is the selection. Refer to Pages 16 or 19 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 66,150 lb-in exceeding the required minimum coupling rating of 40,385 lb-in
- 6. CHECK:** Maximum speed capacity of 3,330 (1025GC02) and 5000 (1025G20) rpm exceeds required speed of 1170 rpm. Maximum bore capacity of 3.625" exceeds the actual shaft diameters.

**TABLE 1 — Torque and Horsepower Ratings**

Coupling Size		Torque Rating (lb-in)		HP per 100 RPM	
1010G/GC		10,080		16	
1015G/GC		20,790		33	
1020G/GC		37,800		60	
1025G/GC		66,150		105	
1030G/GC		107,100		170	
1035G/GC		163,800		260	
1040G		270,900		430	
1045G		371,700		590	
1050G		500,900		795	
1055G		655,200		1,040	
1060G		800,100		1,270	
1070G		1,197,000		1,900	
Coupling		Torque Rating (lb-in— millions)		HP per 100 RPM	
		1000 Series	2000 Series	1000 Series	2000 Series
1080G	2080G	1.506	2.070	2,390	3,285
1090G	2090G	1.997	2.791	3,170	4,430
1100G	2100G	2.747	3.919	4,360	6,220
1110G	2110G	3.654	5.393	5,800	8,560
1120G	2120G	4.914	6.880	7,800	10,920
1130G	2130G	6.363	8.190	10,100	13,000
1140G	2140G	8.064	10.080	12,800	16,000
1150G	2150G	9.702	11.970	15,400	19,000
1160G	2160G	11.592	14.490	18,400	23,000
1180G	2180G	14.679	18.900	23,300	30,000
1200G	2200G	18.963	25.200	30,100	40,000
1220G	2220G	24.066	31.500	38,200	50,000
1240G	2240G	30.744	39.690	48,800	63,000
1260G	2260G	39.753	48.510	63,100	77,000
1280G	2280G	51.660	59.850	82,000	95,000
1300G	2300G	59.850	72.450	95,000	115,000

# 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 (lb-in) = System Peak Torque

or

$$\text{Selection Torque (lb-in)} = \frac{\text{System Peak HP} \times 63,000}{\text{rpm}}$$

### B. REVERSING HIGH PEAK TORQUE

Selection Torque (lb-in) = 1.5 x System Peak Torque

or

$$\text{Selection Torque (lb-in)} = \frac{1.5 \times \text{Peak HP} \times 63,000}{\text{rpm}}$$

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 (lb-in) = .5 x System Peak Torque

or

$$\text{Selection Torque (lb-in)} = \frac{.5 \times \text{Peak HP} \times 63,000}{\text{rpm}}$$

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 (lb-in) = 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.

$$\text{Selection Torque} = \frac{\text{HP} \times 63,000 \times (\text{S.F.} + .25)}{\text{rpm}}$$

- 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 50 hp at its base speed and the system peak torque at the coupling is estimated to be 150,000 lb-in. The coupling speed is 77 rpm at the motor base speed. Drive shaft diameter is 4.000" and keyway is 1.000" x .500". Runout table roll diameter is 5.250" and keyway is 1.250 x .625". Shaft separation is .500" maximum. Motor and drive shaft extensions are both 7.00" long.

- 1. TYPE:** From Page 7, to connect close coupled shafts (.50" 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.  
 $1.5 \times 150,000 = 225,000$  Selection Torque
- 3. SIZE:** From Table 1, Size 1040G20 coupling with torque rating of 270,900 exceeds the selection torque of 225,000 lb-in.
- 4. CHECK:** The maximum bore of 5.75", Table 13, Page 38, allowable speed of 3600 and Dimension M of 5.70", on Page 19, 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 hp required and opposite the service factor determined in Step 2, read the equivalent hp.

## 4. DETERMINE COUPLING SIZE

- A. Refer to Table 3, Page 13. Trace horizontally from the required speed to a value equal to or larger than the equivalent horsepower 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.
- 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 a 450 hp, 1170 rpm electric motor to a gear drive high speed shaft of a maneuvering winch. Maximum shaft shaft separation is .250". Motor shaft diameter is 3.500" and the gear drive shaft is 3.000". Motor and gear drive shaft extensions are both 6.00" long.

### SELECTION:

- 1. To connect close coupled shafts (.250' gap) 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 1.5.
- 3. From Table 2 below, the equivalent hp is 675.
- 4. From Table 3, Page 13, the coupling size is 1025G for 1170 rpm and equivalent hp of 675. From the table on Page 19, the maximum bore of 3.625", allowable speed of 5000 rpm and Dimension M of 3.60" are all satisfactory.

**TABLE 2 — Equivalent Horsepower = (Actual hp x Service Factor)**

Service Factor ‡	Actual HP																									
	3/4	1	1 1/2	2	3	5	7 1/2	10	15	20	25	30	40	50	60	75	100	125	150	200	250	300	350	400	450	500
<b>1.00</b>	.75	1.0	1.5	2.0	3.0	5.0	7.5	10	15	20	25	30	40	50	60	75	100	125	150	200	250	300	350	400	450	500
<b>1.25</b>	.94	1.25	1.9	2.5	3.8	6.3	9.4	12.5	19	25	31	38	50	63	75	94	125	156	188	250	312	375	438	500	563	625
<b>1.50</b>	1.1	1.5	2.3	3.0	4.5	7.5	11.3	15	23	30	38	45	60	75	90	113	150	188	225	300	375	450	525	600	675	750
<b>1.75</b>	1.3	1.8	2.6	3.5	5.3	8.8	13.1	18	26	35	44	53	70	88	105	131	175	219	262	350	438	525	613	700	787	875
<b>2.00</b>	1.5	2.0	3.0	4.0	6.0	10.0	15.0	20	30	40	50	60	80	100	120	150	200	250	300	400	500	600	700	800	900	1000
<b>2.50</b>	1.9	2.5	3.8	5.0	7.5	12.5	18.8	25	38	50	63	75	100	125	150	187	250	312	375	500	625	750	875	1000	1125	1250
<b>3.00</b>	2.3	3.0	4.5	6.0	9.0	15.0	22.5	30	45	60	75	90	120	150	180	225	300	375	450	600	750	900	1050	1200	1350	1500
<b>3.50</b>	2.6	3.5	5.3	7.0	10.5	17.5	26.2	35	52	70	87	105	140	175	210	262	350	437	525	700	875	1050	1225	1400	1575	1750

‡ For service factor not listed, Equivalent hp = Actual hp x Service Factor.







**TABLE 3 — Coupling Selection . . . Based on Equivalent hp Ratings**

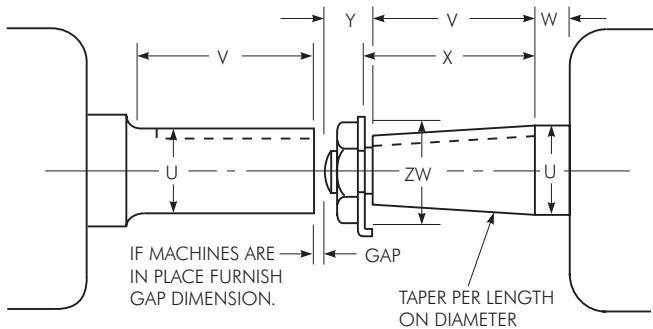
	1010G	1015G	1020G	1025G	1030G	1035G	1040G	1045G	1050G	1055G	1060G	1070G
Max Bore (G10/G20) (Inch)	1.875	2.375	2.875	3.625	4.125	4.875	5.750	6.750	7.375	8.250	9.125	10.875
Max Speed (G10/G20)	8000	6500	5600	5000	4400	3900	3600	3200	2900	2650	2450	2150
Torque (lb-in)	10080	20790	37800	66150	107100	163800	270900	371700	500,900	655,200	800,100	1,197,000
HP / 100 rpm	16	33	60	105	170	260	430	590	795	1040	1270	1900
RPM	HP Ratings											
4500	720	1480	2700	4720	7650	11700	19300					
3600	576	1190	2160	3780	6120	9360	15500					
3000	480	990	1800	3150	5100	7800	12900	17700				
2500	400	825	1500	2620	4250	6500	10700	14700	19900	26000		
2100	336	693	1260	2200	3570	5460	9000	12400	16700	21800	26700	39900
1800	288	594	1080	1890	3060	4680	7700	10600	14300	18700	22900	34200
1750	280	577	1050	1840	2970	4550	7522	10300	13900	18200	22200	33200
1450	232	478	870	1520	2460	3770	6230	8550	11500	15100	18400	27500
1170	187	386	702	1230	1990	3040	5030	6900	9300	12200	14900	22200
1000	160	330	600	1050	1700	2600	4300	5900	7950	10400	12700	19000
870	139	287	522	913	1480	2260	3740	5130	6910	9044	11000	16500
720	115	238	432	756	1220	1870	3090	4250	5720	7490	9140	13700
650	104	214	390	682	1100	1690	2790	3830.0	5170	6760	8250	12300
580	92.8	191	348	609	986	1507	2493	3420.6	4610	6030	7360	11000
520	83.2	172	312	546	884	1350	2240	3070	4130	5410	6600	9880
420	67.2	139	252	441	714	1090	1810	2480	3340	4370	5330	7980
350	56.0	115	210	367	595	910	1500	2060	2780	3640	4440	6650
280	44.8	92.4	168	294	476	728	1200	1650	2230	2910	3550	5320
230	36.8	75.9	138	241	391	598	989	1360	1830	2390	2920	4370
190	30.4	62.7	114	199	323	494	817	1120	1510	1980	2410	3610
155	24.8	51.1	93.0	163	263	403	666	914	1230	1610	1970	2940
125	20.0	41.2	75.0	131	212	325	537	737	993	1300	1590	2370
100	16.0	33.0	60.0	105	170	260	430	590	795	1040	1270	1900
84	13.4	27.7	50.4	88.2	143	218	361	495	668	873	1070	1600
68	10.9	22.4	40.8	71.4	116	177	292	401	540	707	863	1290
56	8.96	18.5	33.6	58.8	95.2	146	241	330	445	582	711	1060
45	7.20	14.8	27.0	47.2	76.5	117	193	265	358	468	571	855
37	5.92	12.2	22.2	38.8	62.9	96.2	159	218	294	385	470	703
30	4.80	9.90	18.0	31.5	51.0	78.0	129	177	238	312	381	570
25	4.00	8.25	15.0	26.2	42.5	65.0	107	147	199	260	317	475
20	3.20	6.60	12.0	21.0	34.0	52.0	86.0	118	159	208	254	380
16.5	2.64	5.44	9.90	17.3	28.0	42.9	70.9	97.3	131	172	209	313
13.5	2.16	4.45	8.10	14.2	22.9	35.1	58.0	79.6	107	140	171	256
11	1.76	3.63	6.60	11.5	18.7	28.6	47.3	64.9	87.4	114	140	209
9	1.44	2.97	5.40	9.45	15.3	23.4	38.7	53.1	71.5	93.6	114	171
7.5	1.20	2.47	4.50	7.87	12.7	19.5	32.2	44.2	59.6	78.0	95.2	142
5	0.800	1.65	3.00	5.25	8.50	13.0	21.5	29.5	39.7	52.0	63.5	95.0



**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 Factory 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 HP, Maximum HP or Torque (lb-in)
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 38 on Page 57 unless specified differently.
8. Shaft Dimensions as follows:

### For Straight Shafts

<b>Driving Shaft</b>	Diameter U _____	<b>Driven Shaft</b>	Diameter U _____
	Length V _____		Length V _____
	Keyway _____		Keyway _____

**NOTE:** Provide shaft tolerances if different than those shown in Table 27, on Page 52. For other shaft/bore requirements, consult Falk.

**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 certified.
- Unless otherwise specified, Rexnord 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

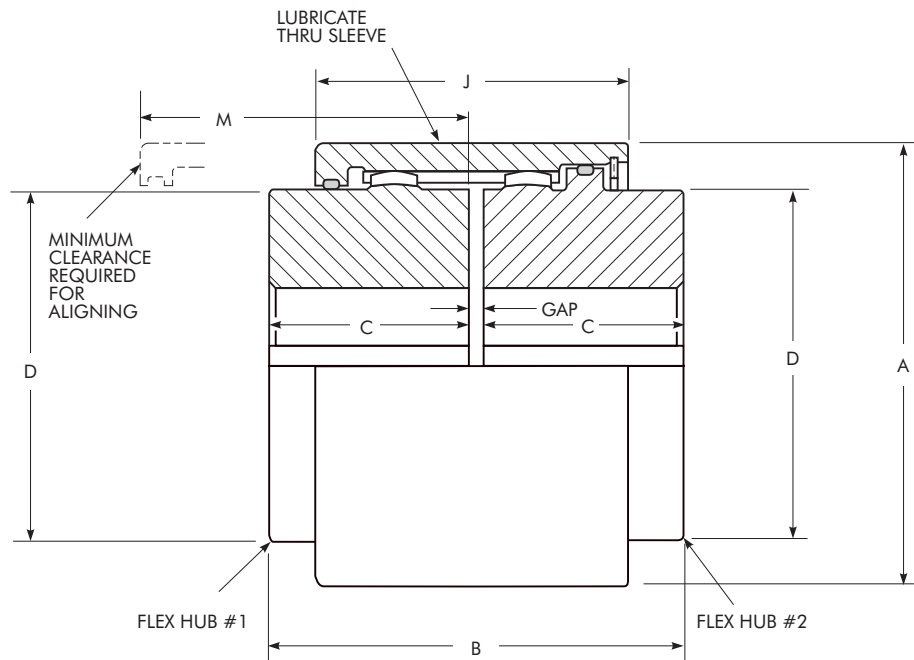
† Peak torque capacity is two times the published rating.

‡ 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 — Inches



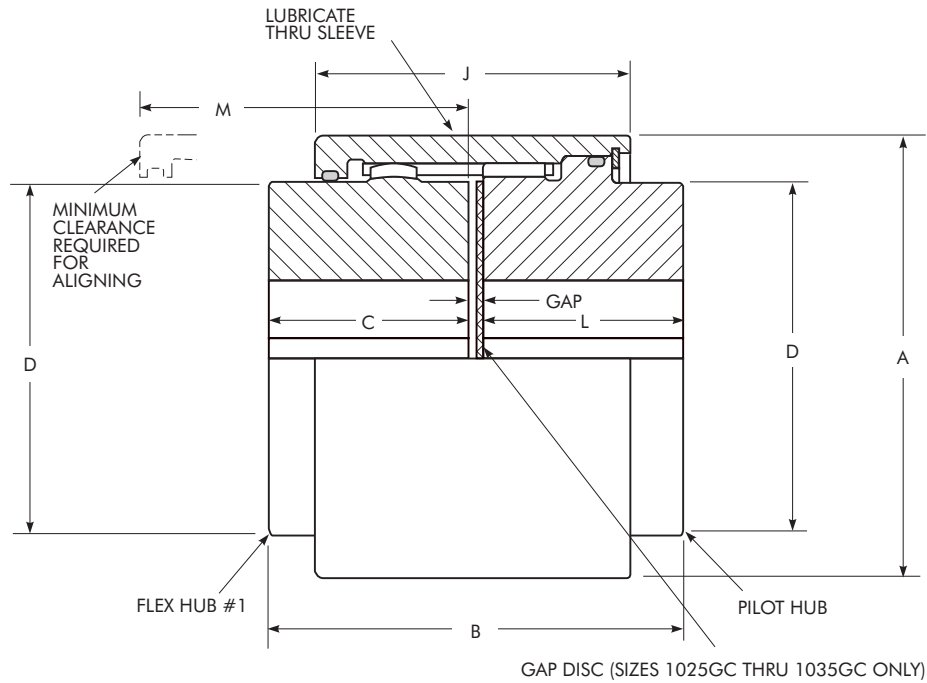
SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore (sq key) ●	Min Bore ■	Cplg Wt With No Bore-lb	Lube Wt (oz)	A	B	C	D	J	M	Gap	SIZE ★
1010GC	10,080	5,300	1.875	.50	7.6	.4	3.50	3.50	1.69	2.70	2.41	2.57	.125	1010GC
1015GC	20,790	4,300	2.375	.75	13.6	1.0	4.30	4.01	1.94	3.40	3.00	3.19	.125	1015GC
1020GC	37,800	3,700	2.875	1.00	25	1.5	5.20	5.00	2.44	4.14	3.72	3.90	.125	1020GC
1025GC	66,150	3,300	3.625	1.25	47	2.3	6.44	6.25	3.03	5.14	4.30	4.55	.188	1025GC
1030GC	107,100	2,900	4.125	1.50	75	3.3	7.50	7.37	3.59	6.00	4.72	4.97	.188	1030GC
1035GC	163,800	2,600	4.875	2.00	114	4.3	8.50	8.63	4.19	7.00	5.25	5.50	.250	1035GC

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



# Type GC05 Continuous Sleeve

## Single Engagement/Dimensions — Inches

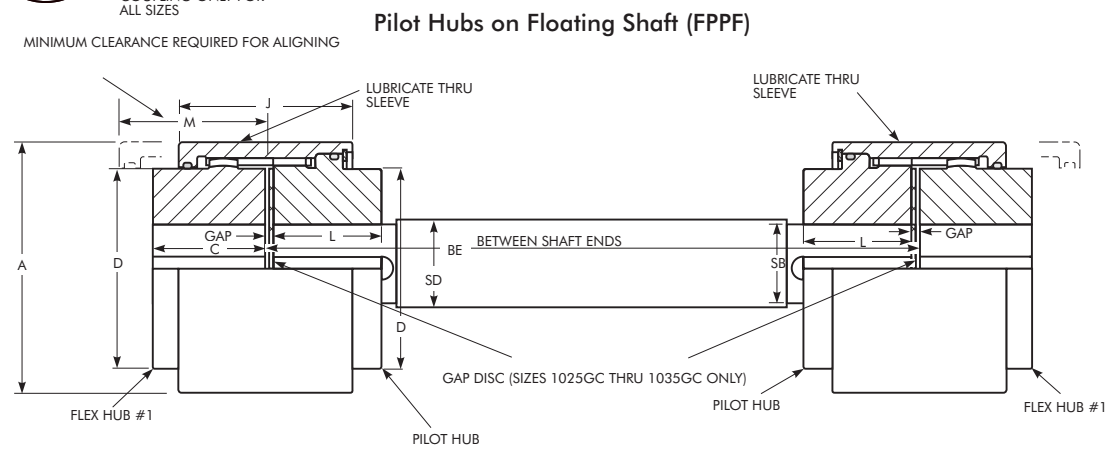
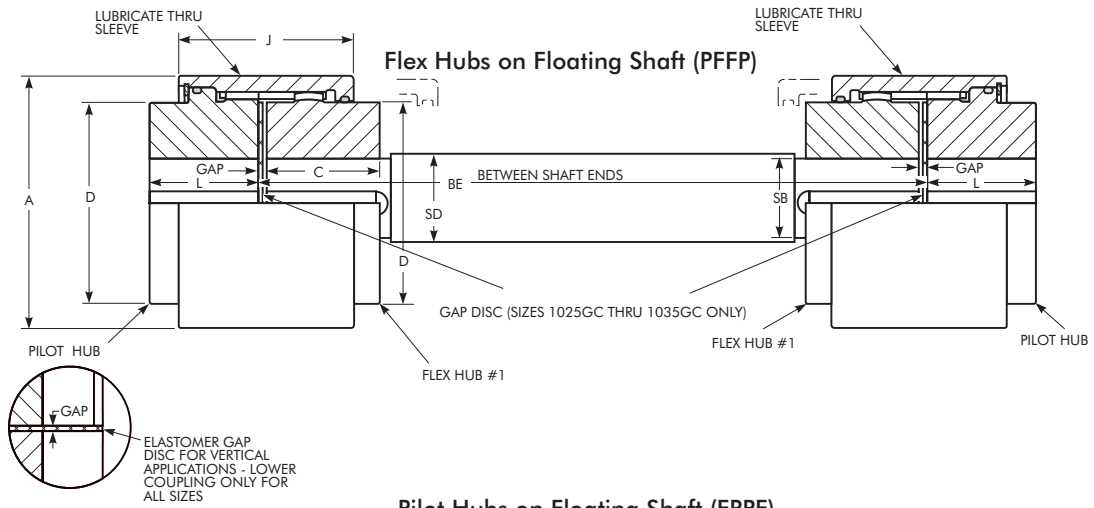


SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore (sq key) ●	Min Bore ■	Cplg Wt With No Bore-lb	Lube Wt (oz)	A	B	C	D	J	L	M	Gap	SIZE ★
1010GC	10,080	5,300	1.875	.50	7.7	.3	3.50	3.50	1.69	2.70	2.41	1.69	2.57	.125	1010GC
1015GC	20,790	4,300	2.375	.75	14.1	.7	4.30	4.08	1.94	3.40	3.00	2.01	3.19	.125	1015GC
1020GC	37,800	3,700	2.875	1.00	26	1.1	5.20	5.07	2.44	4.14	3.72	2.51	3.90	.125	1020GC
1025GC	66,150	3,300	3.625	1.25	48	1.8	6.44	6.25	3.03	5.14	4.30	3.03	4.55	.188	1025GC
1030GC	107,100	2,900	4.125	1.50	76	2.6	7.50	7.37	3.59	6.00	4.72	3.59	4.97	.188	1030GC
1035GC	163,800	2,600	4.875	2.00	115	3.4	8.50	8.63	4.19	7.00	5.25	4.19	5.50	.250	1035GC

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

# Type GC05 Continuous Sleeve

## Floating Shaft Single Engagement/Dimensions — Inches



SIZE ★	Max Bore (sq Key) ●	Min Bore ■	Wt – Each Cplg w/o Bore-lb	Lube Wt Per Cplg (oz)	A	BE Min		C	D	J	L	M	Gap	SIZE ★
						PFFP	FPPF							
1010GC	1.875	.50	7.7	.3	3.50	7.50	3.63	1.69	2.70	2.41	1.69	2.57	.125	1010GC
1015GC	2.375	.75	14.1	.7	4.30	9.25	4.13	1.94	3.40	3.00	2.01	3.19	.125	1015GC
1020GC	2.875	1.00	26	1.1	5.20	11.40	5.13	2.44	4.14	3.72	2.51	3.90	.125	1020GC
1025GC	3.625	1.25	48	1.8	6.44	13.30	6.44	3.03	5.14	4.30	3.03	4.55	.188	1025GC
1030GC	4.125	1.50	76	2.6	7.50	14.50	7.56	3.59	6.00	4.72	3.59	4.97	.188	1030GC
1035GC	4.875	2.00	115	3.4	8.50	16.25	8.88	4.19	7.00	5.25	4.19	5.50	.250	1035GC

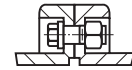
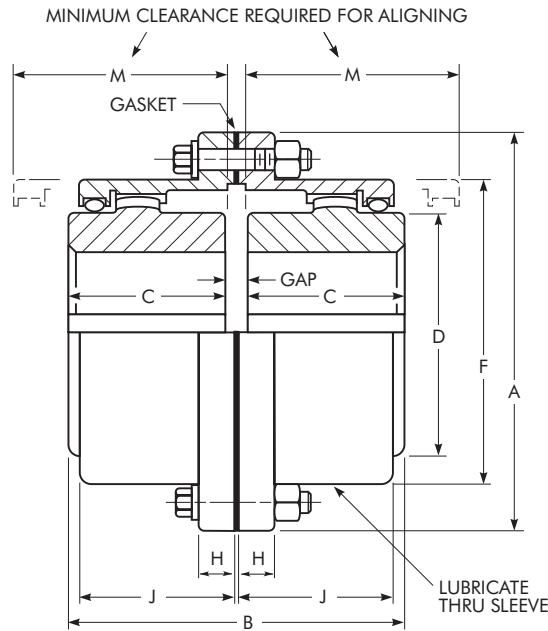
### Floating Shaft

SIZE ★	Ass'y ▲ Torque Rating (lb-in)	SB Shaft End Dia	SD Shaft Dia	Weight (lb-in)	WR2 (lb-in <sup>2</sup> /in)	Floating Shafts – Inches						
						Max BE (in) For Various RPM's ♣						
						1750	1430	1170	870	720	580	540 & Less
1010GC	4,370	1.500	1.562	.54	.17	54	60	66	77	85	94	97
	10,080	1.875	2.000	.89	.45	61	68	75	87	96	107	110
1015GC	10,350	2.000	2.125	1.00	.57	63	70	77	90	99	110	113
	20,790	2.375	2.500	1.39	1.09	69	76	84	97	107	119	123
1020GC	20,200	2.500	2.625	1.53	1.32	70	78	86	100	110	122	126
	37,800	2.875	3.000	2.00	2.25	75	83	92	107	117	131	135
1025GC	39,500	3.125	3.250	2.35	3.10	78	87	96	111	122	136	140
	66,150	3.625	3.750	3.13	5.50	84	93	103	119	131	146	151
1030GC	75,300	3.875	4.000	3.56	7.12	87	96	106	123	136	151	156
	107,100	4.125	4.250	4.02	9.07	89	99	110	127	140	156	160
1035GC	118,000	4.500	4.750	5.02	14.16	95	105	116	134	148	165	169
	163,800	4.875	5.000	5.56	17.38	97	107	119	138	152	169	174

★ See page 15 for General Information and other 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 — Inches



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

SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore ●	Min Bore ■	Cplg Wt With No Bore-lb		Lube Wt lb	A	B	C	D	F	H	J	M	Gap	SIZE ★
					G10	G20											
1010G	10,080	8,000	1.875	.50	9	10	.09	4.56	3.50	1.69	2.70	3.30	.55	1.53	2.00	.125	1010G
1015G	20,790	6,500	2.375	.75	17	20	.16	6.00	4.00	1.94	3.40	4.14	.75	1.88	2.40	.125	1015G
1020G	37,800	5,600	2.875	1.00	30	35	.25	7.00	5.00	2.44	4.14	4.98	.75	2.34	3.00	.125	1020G
1025G	66,150	5,000	3.625	1.25	55	65	.50	8.38	6.25	3.03	5.14	6.10	.86	2.82	3.60	.188	1025G
1030G	107,100	4,400	4.125	1.50	85	95	.80	9.44	7.37	3.59	6.00	7.10	.86	3.30	4.20	.188	1030G
1035G	163,800	3,900	4.875	2.00	135	150	1.20	11.00	8.63	4.19	7.00	8.32	1.12	3.84	5.10	.250	1035G
1040G	270,900	3,600	5.750	2.50	195	215	2.00	12.50	9.75	4.75	8.25	9.66	1.12	4.38	5.70	.250	1040G
1045G	371,700	3,200	6.750	3.00	280	300	2.30	13.62	10.93	5.31	9.25	10.79	1.12	4.84	6.50	.312	1045G
1050G	500,900	2,900	7.375	3.50	390	420	3.90	15.31	12.37	6.03	10.00	12.04	1.50	5.54	7.20	.312	1050G
1055G	655,200	2,650	8.250	4.00	525	550	4.90	16.75	13.56	6.62	11.00	13.16	1.50	6.22	8.00	.312	1055G
1060G	800,100	2,450	9.125	4.50	...	675	7.00	18.00	15.13	7.41	12.00	14.41	1.00	6.66	9.00	.312	1060G
1070G	1,197,000	2,150	10.875	5.00	...	1070	9.60	20.75	17.75	8.69	14.00	16.73	1.12	7.70	10.50	.375	1070G

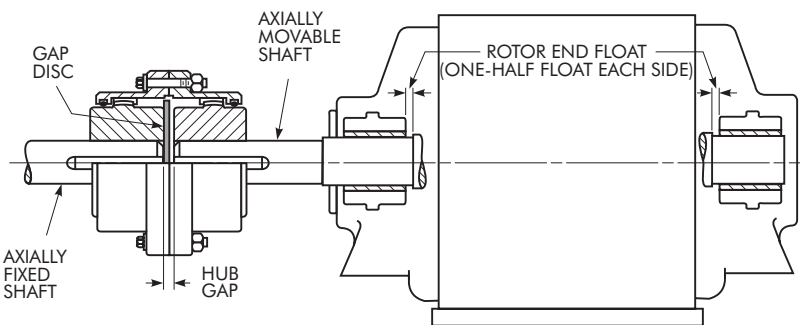
★ See page 15 for General Information and other Reference Notes.

**TABLE 7— Limited End Float & Standard Gap Disc Dimensions – Inches**

SIZE	B	End Float ♦	Gap Disc *		Gap
			Thickness	Dia	
1010G	3.58	.094	.156	2.95	.203
1015G	4.08	.094	.156	3.70	.203
1020G	5.11	.094	.188	4.50	.234
1025G	6.39	.094	.281	5.55	.328
1030G	7.54	.094	.312	6.50	.359
1035G	8.79	.188	.312	7.55	.406
1040G	9.91	.188	.312	8.95	.406
1045G	11.15	.188	.438	9.95	.531
1050G	12.59	.188	.438	10.95	.531
1055G	13.80	.188	.469	12.00	.563
1060G	15.45	.188	.532	13.12	.625
1070G	18.10	.188	.625	15.10	.718

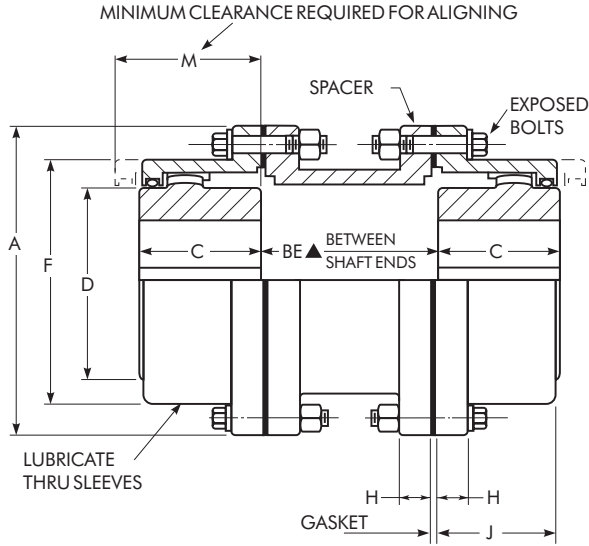
♦ If these values exceed one-half rotor end float or equivalent manufacturer's specification, refer to the Factory.

\* Gap disc material: Neoprene, 70 durometer.



# Type G32 Standard Flanged Sleeve Spacer/Dimensions — Inches

## Without Limited End Float



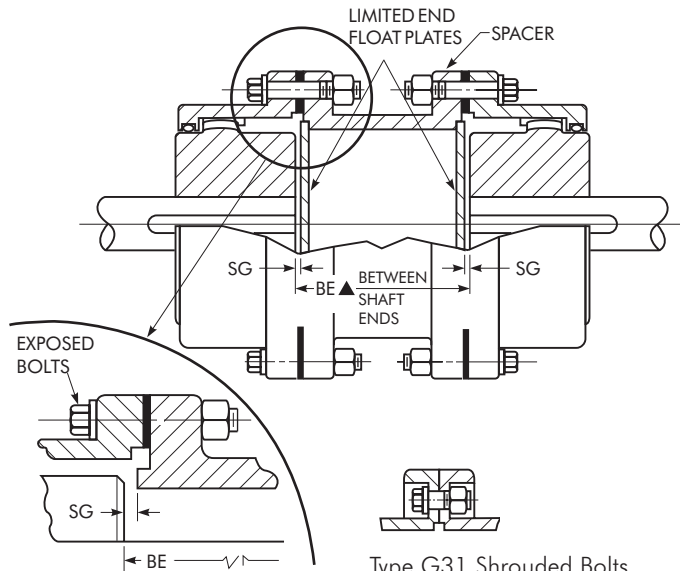
SIZE	End Float ♦	SG	Addition to Stock BE Length *
1015G	.094	.0235	.088
1020G	.094	.0235	.108
1025G	.094	.0235	.145
1030G	.094	.0235	.185
1035G	.188	.047	.186
1040G thru 1070G	.188	.047	None

♦ Refer to the Factory if these values exceed one-half the rotor end float or the equipment manufacturer's 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				
	3.500	4.375	4.500	5.000	7.000
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.

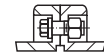
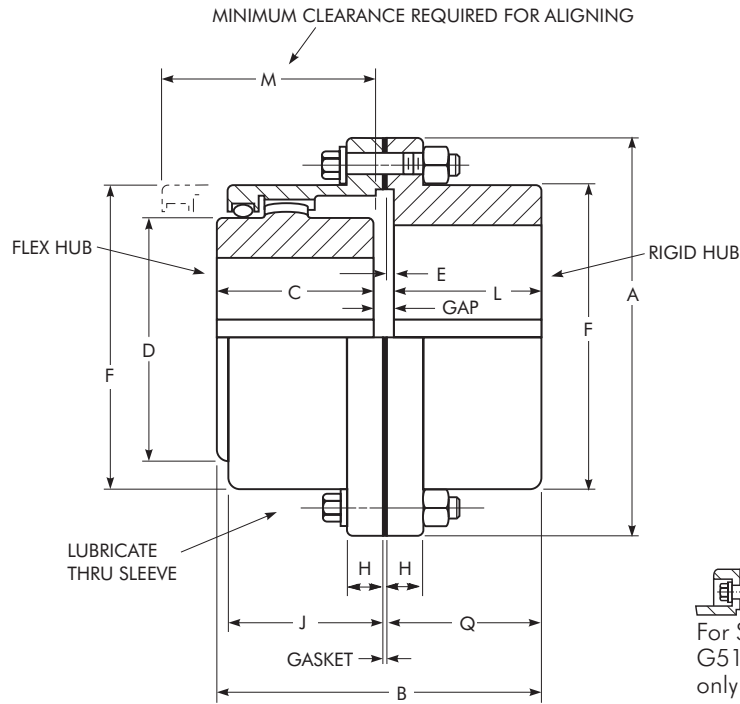
Type G31 Shrouded Bolts  
furnished only when  
specified on order.

SIZES ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore ●	Min Bore ■	Coupling Wt-lb		Lube Wt-lb		A	BE Min ▲		C	D	F	H	J	M	SIZE ★
					Cplg Wt With No Bore and Min BE	Extra Spacer Wt per in of Length	Min Wt Less Spacer	Plus per in of Spacer Length		G31	G32							
1010G	10,080	7,000	1.875	.50	15	.67	.09	...	4.56	3.25	3.25	1.69	2.70	3.30	.55	1.53	1.90	1010G
1015G	20,790	5,500	2.375	.75	30	.71	.16	...	6.00	3.25	3.25	1.94	3.40	4.14	.75	1.88	2.20	1015G
1020G	37,800	4,600	2.875	1.00	45	.93	.25	.03	7.00	3.25	3.25	2.44	4.14	4.98	.75	2.34	2.70	1020G
1025G	66,150	4,000	3.625	1.25	85	1.15	.50	.06	8.38	4.25	3.75	3.03	5.14	6.10	.86	2.82	3.20	1025G
1030G	107,100	3,600	4.125	1.50	120	1.32	.80	.06	9.44	4.25	3.75	3.59	6.00	7.10	.86	3.30	3.70	1030G
1035G	163,800	3,100	4.875	2.00	195	2.01	1.20	.12	11.00	5.12	4.75	4.19	7.00	8.32	1.12	3.84	4.20	1035G
1040G	270,900	2,800	5.750	2.50	270	2.80	2.00	.20	12.50	5.12	4.75	4.75	8.25	9.66	1.12	4.38	4.80	1040G
1045G	371,700	2,600	6.750	3.00	365	4.12	2.30	.20	13.62	5.25	4.75	5.31	9.25	10.79	1.12	4.84	5.30	1045G
1050G	500,900	2,400	7.375	3.50	525	4.56	3.90	.20	15.31	7.25	5.75	6.03	10.00	12.04	1.50	5.54	6.00	1050G
1055G	655,200	2,200	8.250	4.00	675	5.01	4.90	.20	16.75	7.25	5.75	6.62	11.00	13.16	1.50	6.22	6.80	1055G
1060G	800,100	2,100	9.125	4.50	790	6.54	7.00	.20	18.00	...	5.75	7.41	12.00	14.41	1.00	6.66	7.20	1060G
1070G	1,197,000	1,800	10.875	5.00	1240	7.91	9.60	.20	20.75	...	5.75	8.69	14.00	16.73	1.12	7.70	8.20	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 — Inches



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

SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore•		Min Bore ■	Cplg Wt With No Bore-lb		Lube Wt lb	A	B	C	D	E	F	H	J	L	M	Q	Gap	SIZE ★
			Flex Hub	Rigid Hub		G51	G52														
1010G	10,080	8,000	1.875	2.375	.50	9	10	.05	4.56	3.41	1.69	2.70	.10	3.30	.55	1.53	1.56	2.00	1.66	.156	1010G
1015G	20,790	6,500	2.375	2.938	.75	18	20	.09	6.00	3.92	1.94	3.40	.10	4.14	.75	1.88	1.82	2.40	1.92	.156	1015G
1020G	37,800	5,600	2.875	3.625	1.00	30	35	.15	7.00	4.90	2.44	4.14	.10	4.98	.75	2.34	2.30	3.00	2.40	.156	1020G
1025G	66,150	5,000	3.625	4.375	1.25	55	60	.26	8.38	6.12	3.03	5.14	.10	6.10	.86	2.82	2.90	3.60	3.00	.188	1025G
1030G	107,100	4,400	4.125	5.125	1.50	85	95	.40	9.44	7.24	3.59	6.00	.10	7.10	.86	3.30	3.46	4.20	3.56	.188	1030G
1035G	163,800	3,900	4.875	5.875	2.00	135	150	.60	11.00	8.43	4.19	7.00	.10	8.32	1.12	3.84	4.02	5.10	4.12	.218	1035G
1040G	270,900	3,600	5.750	7.250	2.50	200	220	1.03	12.50	9.56	4.75	8.25	.16	9.66	1.12	4.38	4.54	5.70	4.70	.281	1040G
1045G	371,700	3,200	6.750	8.125	3.00	285	300	1.25	13.62	10.75	5.31	9.25	.16	10.79	1.12	4.84	5.14	6.50	5.30	.312	1045G
1050G	500,900	2,900	7.375	9.000	3.50	400	430	2.00	15.31	12.17	6.03	10.00	.20	12.04	1.50	5.54	5.80	7.20	6.00	.344	1050G
1055G	655,200	2,650	8.250	10.000	4.00	555	580	2.50	16.75	13.76	6.62	11.00	.20	13.16	1.50	6.22	6.80	8.00	7.00	.344	1055G
1060G	800,100	2,450	9.125	11.000	4.50	...	715	3.75	18.00	15.16	7.41	12.00	.26	14.41	1.00	6.66	7.34	9.00	7.60	.406	1060G
1070G	1,197,000	2,150	10.875	13.000	5.00	...	1120	5.00	20.75	17.86	8.69	14.00	.33	16.73	1.12	7.70	8.67	10.50	9.00	.500	1070G

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

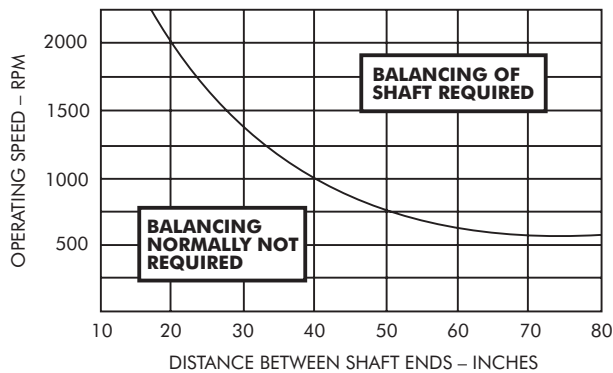
# Type G52 Standard Flanged Sleeve Floating Shafts/Dimensions — Inches

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 shaft because shaft is supported at 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 used.



## 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.

SIZE ★	Assembly Torque Rating ♦ lb-in	Floating Shaft										
		SB Shaft End Diameter	SD Shaft Diameter	Wt-lbs per inch	WR <sup>2</sup> lb-in <sup>2</sup> per inch	Maximum BE for Various RPM's ▲						
						1750	1430	1170	870	720	580	540 or Less
<b>1010G</b>	4,370	1.500	1.562	.54	.17	54	60	66	77	85	94	97
	10,080	1.875	2.000	.89	.45	61	68	75	87	96	107	110
<b>1015G</b>	10,350	2.000	2.125	1.00	.57	63	70	77	90	99	110	113
	20,790	2.375	2.500	1.39	1.09	69	76	84	97	107	119	123
<b>1020G</b>	20,200	2.500	2.625	1.53	1.32	70	78	86	100	110	122	126
	37,800	2.875	3.000	2.00	2.25	75	83	92	107	117	131	135
<b>1025G</b>	39,500	3.125	3.250	2.35	3.10	78	87	96	111	122	136	140
	66,150	3.625	3.750	3.13	5.50	84	93	103	119	131	146	151
<b>1030G</b>	75,300	3.875	4.000	3.56	7.12	87	96	106	123	136	151	156
	107,100	4.125	4.250	4.02	9.07	89	99	110	127	140	156	160
<b>1035G</b>	118,000	4.500	4.750	5.02	14.16	95	105	116	134	148	165	169
	163,800	4.875	5.000	5.56	17.38	97	107	119	138	152	169	174
<b>1040G</b>	215,300	5.500	5.750	7.36	30.40	104	115	128	148	163	181	187
	270,900	5.750	6.000	8.01	36.05	106	118	130	151	166	185	191
<b>1045G</b>	279,500	6.000	6.500	9.40	49.65	111	123	136	157	173	193	198
	371,700	6.750	8.000	14.24	113.92	123	136	150	175	192	214	220
<b>1050G</b>	335,300	6.375	6.500	9.40	49.65	111	123	136	157	173	193	198
	500,900	7.375	8.000	14.24	113.92	123	136	150	175	192	214	220
<b>1055G</b>	335,300	6.375	6.500	9.40	49.65	111	123	136	157	173	193	198
	655,200	7.875	8.000	14.24	113.92	123	136	150	175	192	214	220
<b>1060G</b>	632,000	7.875	8.000	14.24	113.92	123	136	150	175	192	214	220
	800,100	8.500	8.560	16.30	149.33	127	141	156	181	199	221	228
<b>1070G</b>	632,000	7.875	8.000	14.24	113.92	123	136	150	175	192	214	220
	1,197,000	9.500	9.560	20.34	232.31	134	149	165	191	210	234	241

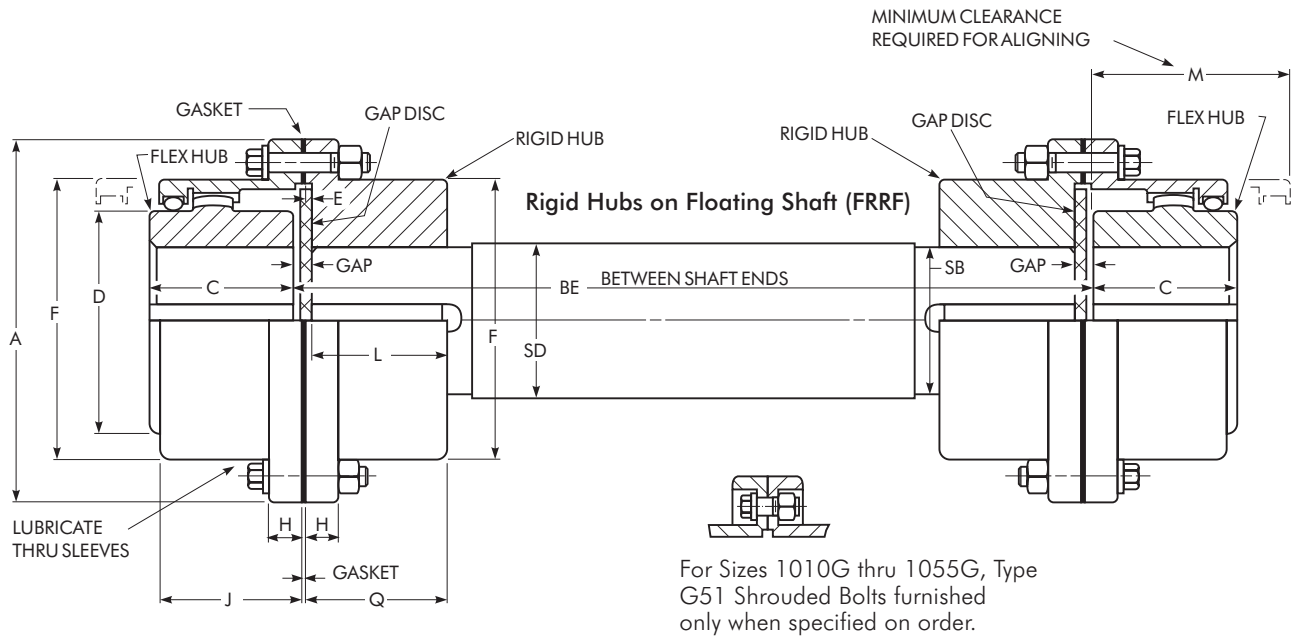
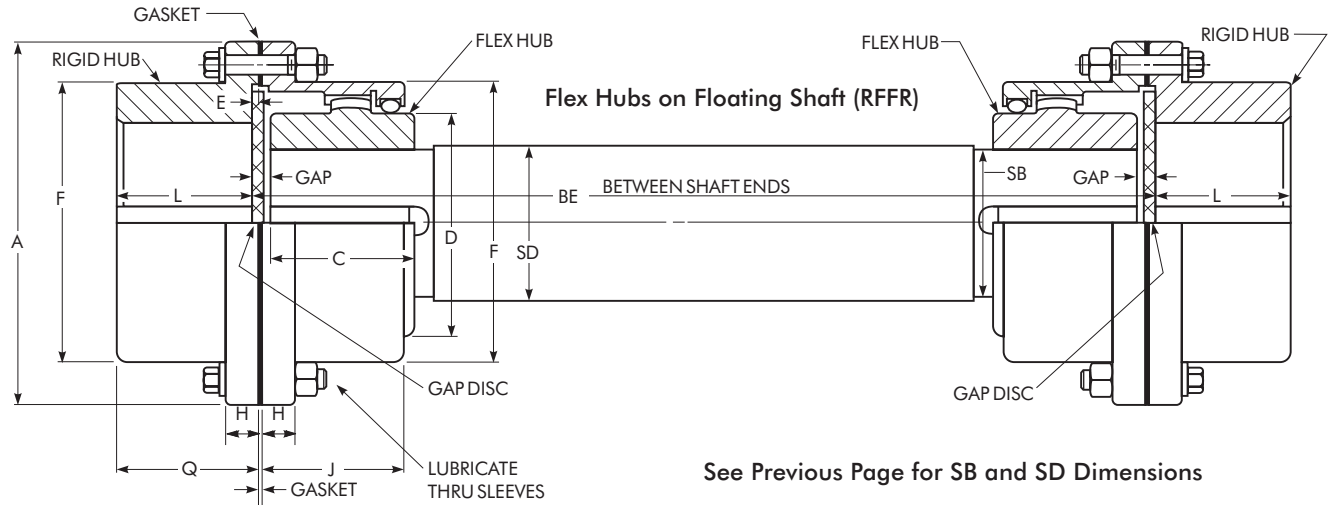
★ See page 15 for General Information and other Reference Notes.

♦ 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 — Inches

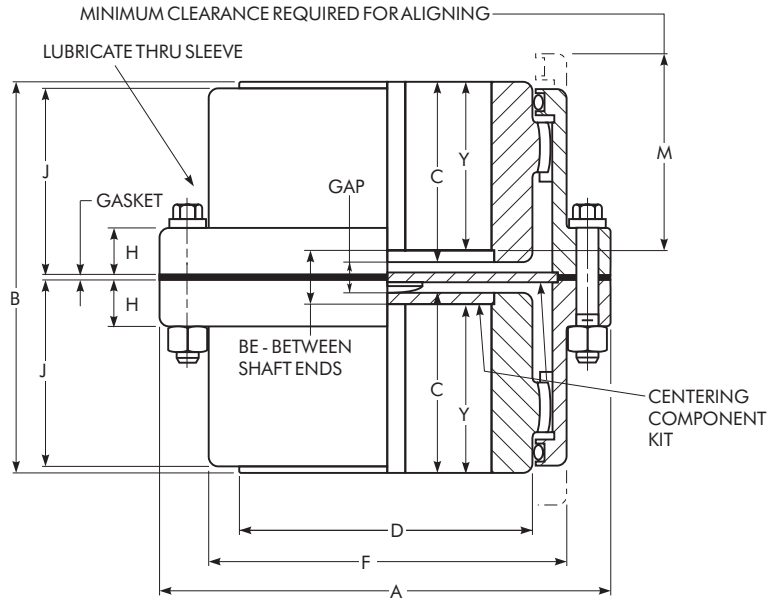


SIZE ★	Max Bore •		Min Bore ■	Wt—One Cplg No Bore—lb		Lube Wt Per Cplg lb	A	BE Min		C	D	E	F	H	J	L	M	Q	Gap	SIZE ★
	Flex Hub	Rigid Hub		G51	G52			RFFR	FRRF											
	<b>1010G</b>	1.875		2.375	.50			9	10											
<b>1015G</b>	2.375	2.938	.75	18	20	.09	6.00	6.25	4.12	1.94	3.40	.10	4.14	.75	1.88	1.82	2.20	1.92	.156	<b>1015G</b>
<b>1020G</b>	2.875	3.625	1.00	30	35	.15	7.00	7.75	5.06	2.44	4.14	.10	4.98	.75	2.34	2.30	2.70	2.40	.156	<b>1020G</b>
<b>1025G</b>	3.625	4.375	1.25	55	60	.26	8.38	9.50	6.38	3.03	5.14	.10	6.10	.86	2.82	2.90	3.20	3.00	.188	<b>1025G</b>
<b>1030G</b>	4.125	5.125	1.50	85	95	.40	9.44	11.00	7.44	3.59	6.00	.10	7.10	.86	3.30	3.46	3.70	3.56	.188	<b>1030G</b>
<b>1035G</b>	4.875	5.875	2.00	135	150	.60	11.00	12.75	8.62	4.19	7.00	.10	8.32	1.12	3.84	4.02	4.20	4.12	.218	<b>1035G</b>
<b>1040G</b>	5.750	7.250	2.50	200	220	1.03	12.50	16.50	9.75	4.75	8.25	.16	9.66	1.12	4.38	4.54	4.80	4.70	.281	<b>1040G</b>
<b>1045G</b>	6.750	8.125	3.00	285	300	1.25	13.62	20.00	11.06	5.31	9.25	.16	10.79	1.12	4.84	5.14	5.30	5.30	.312	<b>1045G</b>
<b>1050G</b>	7.375	9.000	3.50	400	430	2.00	15.31	21.00	12.44	6.03	10.00	.20	12.04	1.50	5.54	5.80	6.00	6.00	.344	<b>1050G</b>
<b>1055G</b>	8.250	10.000	4.00	555	580	2.50	16.75	22.50	14.44	6.62	11.00	.20	13.16	1.50	6.22	6.80	6.80	7.00	.344	<b>1055G</b>
<b>1060G</b>	9.125	11.000	4.50	...	715	3.75	18.00	23.50	15.62	7.41	12.00	.26	14.41	1.00	6.66	7.34	7.20	7.60	.406	<b>1060G</b>
<b>1070G</b>	10.875	13.000	5.00	...	1120	5.00	20.75	26.50	18.50	8.69	14.00	.33	16.73	1.12	7.70	8.67	8.20	9.00	.500	<b>1070G</b>

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

# Type GV20 Standard Flanged Sleeve

## Vertical Double Engagement/Dimensions — Inches



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

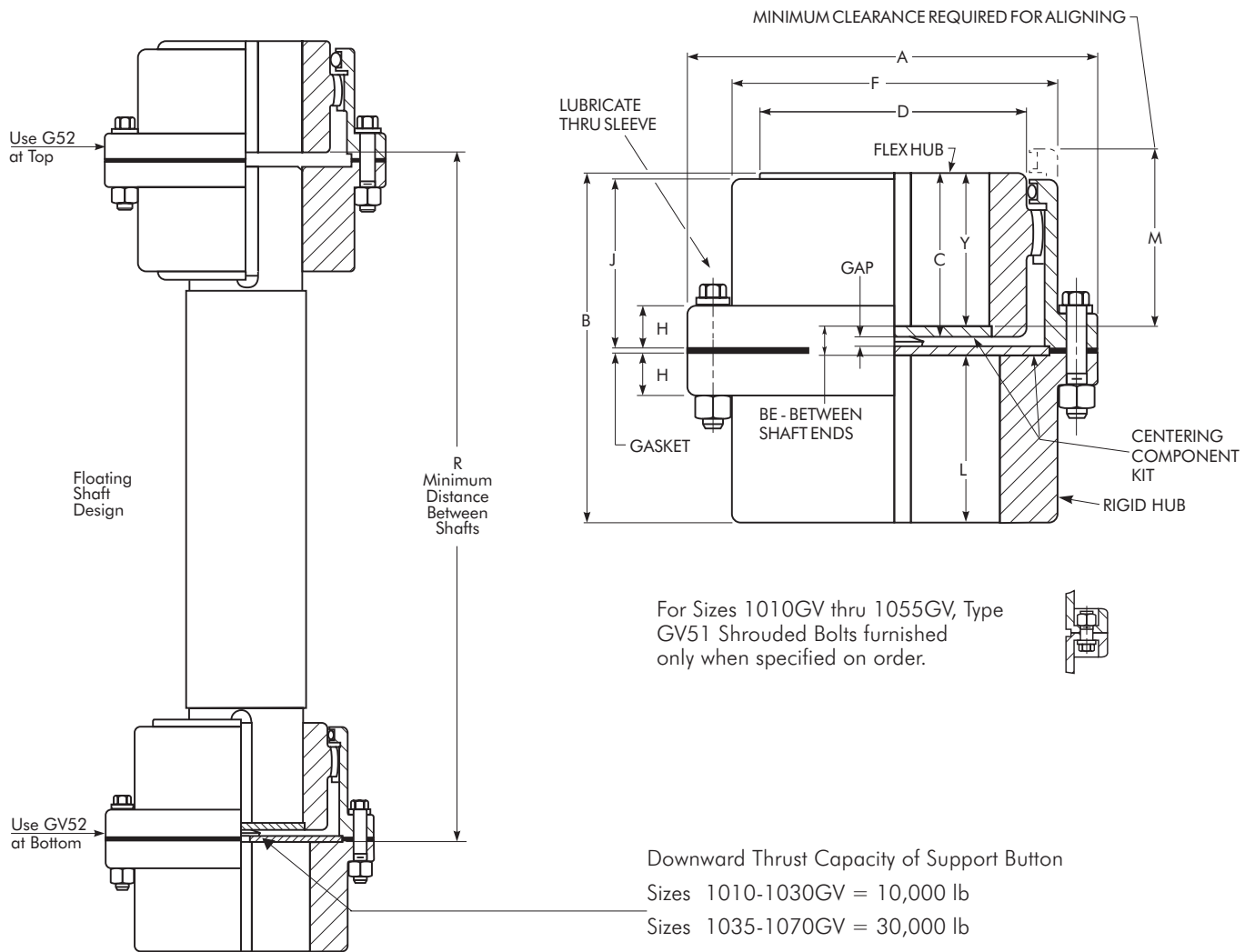
SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore ●	Min Bore ■	Cplg Wt With No Bore-lb		Lube Wt lb	A	B	C	D	F	H	J	M	Y	BE	Gap	SIZE ★
					GV10	GV20													
1010GV	10,080	8,000	1.875	.50	8	9	.18	4.56	3.50	1.53	2.70	3.30	.55	1.53	1.80	1.28	.94	.438	1010GV
1015GV	20,790	6,500	2.375	.75	17	19	.30	6.00	3.98	1.77	3.40	4.14	.75	1.88	2.20	1.52	.94	.438	1015GV
1020GV	37,800	5,600	2.875	1.00	30	32	.50	7.00	4.98	2.27	4.14	4.98	.75	2.34	2.80	2.02	.94	.438	1020GV
1025GV	66,150	5,000	3.625	1.25	52	58	.90	8.38	6.20	2.82	5.14	6.10	.86	2.82	3.40	2.57	1.06	.562	1025GV
1030GV	107,100	4,400	4.125	1.50	80	90	1.40	9.44	7.34	3.39	6.00	7.10	.86	3.30	4.00	3.14	1.06	.562	1030GV
1035GV	163,800	3,900	4.875	2.00	130	145	2.20	11.00	8.59	3.95	7.00	8.32	1.12	3.84	4.90	3.70	1.19	.688	1035GV
1040GV	270,900	3,600	5.750	2.50	195	215	3.20	12.50	9.72	4.42	8.25	9.66	1.12	4.38	5.50	4.17	1.38	.875	1040GV
1045GV	371,700	3,200	6.750	3.00	270	290	4.40	13.62	10.90	4.95	9.25	10.79	1.12	4.84	6.20	4.58	1.74	1.000	1045GV
1050GV	500,900	2,900	7.375	3.50	380	410	6.30	15.31	12.34	5.67	10.00	12.04	1.50	5.54	6.90	5.30	1.74	1.000	1050GV
1055GV	655,200	2,650	8.250	4.00	510	535	8.00	16.75	13.52	6.26	11.00	13.16	1.50	6.22	7.70	5.89	1.74	1.000	1055GV
1060GV	800,100	2,450	9.125	4.50	...	665	10.60	18.00	15.12	7.00	12.00	14.41	1.00	6.66	8.70	6.62	1.88	1.125	1060GV
1070GV	1,197,000	2,150	10.875	5.00	...	1050	15.60	20.75	17.74	8.18	14.00	16.73	1.12	7.70	10.00	7.67	2.40	1.375	1070GV

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



# Type GV52 Standard Flanged Sleeve

## Vertical Single Engagement/Dimensions — Inches

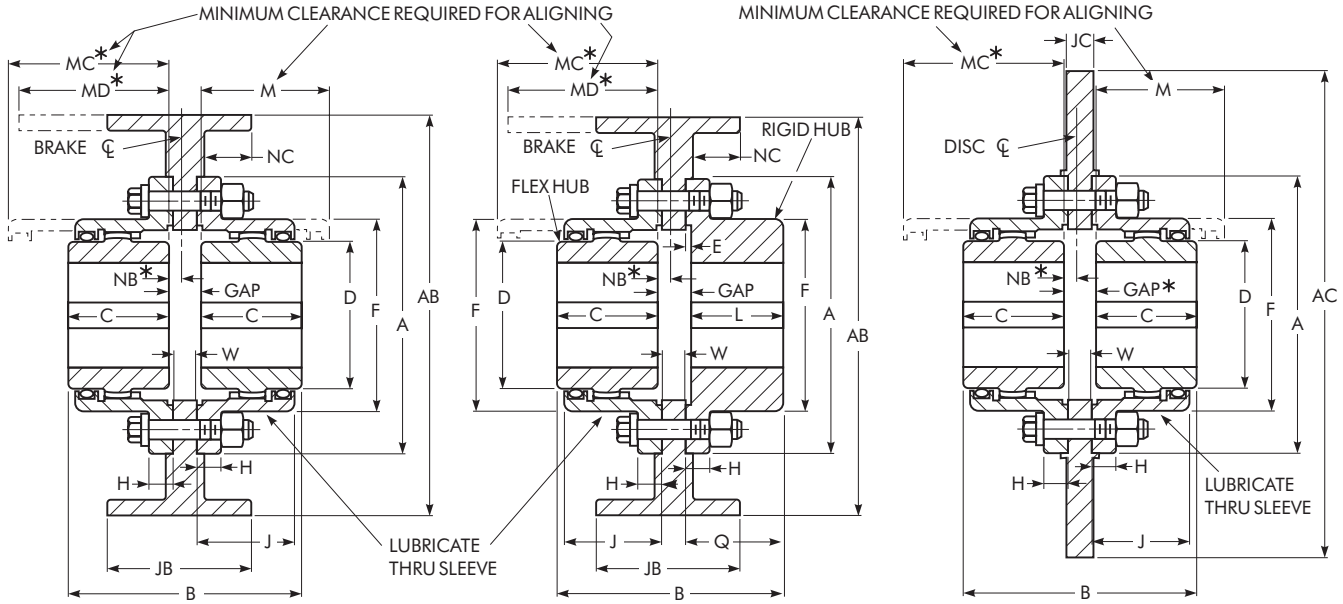


SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm *	Max Bore •		Min Bore ■	Cplg Wt With No Bore-lb		Lube Wt lb	A	B	C	D	F	H	J	L	M	R	Y	BE	Gap	SIZE ★
			Flex Hub	Rigid Hub		GV51	GV52															
			1010GV	10,080		7,000	1.875															
1015GV	20,790	5,500	2.375	2.938	.75	18	20	.12	6.00	3.92	1.77	3.40	4.14	.75	1.88	1.82	2.20	6.00	1.52	.580	.140	1015GV
1020GV	37,800	4,600	2.875	3.625	1.00	32	35	.20	7.00	4.90	2.27	4.14	4.98	.75	2.34	2.30	2.80	7.20	2.02	.580	.140	1020GV
1025GV	66,150	4,000	3.625	4.375	1.25	55	60	.40	8.38	6.11	2.82	5.14	6.10	.86	2.82	2.90	3.40	8.57	2.57	.640	.200	1025GV
1030GV	107,100	3,600	4.125	5.125	1.50	85	95	.60	9.44	7.24	3.39	6.00	7.10	.86	3.30	3.46	4.00	9.75	3.14	.640	.200	1030GV
1035GV	163,800	3,100	4.875	5.875	2.00	135	150	1.00	11.00	8.43	3.95	7.00	8.32	1.12	3.84	4.02	4.90	11.73	3.70	.710	.260	1035GV
1040GV	270,900	2,800	5.750	7.250	2.50	205	225	1.50	12.50	9.58	4.42	8.25	9.66	1.12	4.38	4.54	5.50	13.40	4.17	.865	.300	1040GV
1045GV	371,700	2,600	6.750	8.125	3.00	285	305	2.00	13.62	10.77	4.95	9.25	10.79	1.12	4.84	5.14	6.20	15.28	4.58	1.050	.360	1045GV
1050GV	500,900	2,400	7.375	9.000	3.50	405	435	3.00	15.31	12.19	5.67	10.00	12.04	1.50	5.54	5.80	6.90	16.68	5.30	1.090	.315	1050GV
1055GV	655,200	2,200	8.250	10.000	4.00	560	585	3.70	16.75	13.78	6.26	11.00	13.16	1.50	6.22	6.80	7.70	18.28	5.89	1.090	.315	1055GV
1060GV	800,100	2,100	9.125	11.000	4.50	...	860	5.00	18.00	15.18	7.00	12.00	14.41	1.00	6.66	7.34	8.70	20.56	6.62	1.215	.315	1060GV
1070GV	1,197,000	1,800	10.875	13.000	5.00	...	1140	7.20	20.75	17.88	8.18	14.00	16.73	1.12	7.70	8.67	10.00	24.22	7.67	1.540	.380	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 — Inches

Straight Bores — Wheel Sizes 7" Diameter & Larger



Double Engagement Type G62

Single Engagement Type G66

Double Engagement Type G63<sup>▲</sup>

Brake-wheel Size ♦	CPLG SIZE ★	Brake Rating of Coupling (ft-lb)		Min Bore ■	Coupling Wt No Bore-lb Less Wheel		Lube Wt-lb		B													Gap		
		Flex Hub	Rigid Hub		G62 G63	G66	G62 G63	G66	A	G66 With Std Length Hubs		C	D	E	F	H	J	L	M	Q	W	G62 G63	G66	
										G62 G63	G66													
7	1010G	185	1.875	2.375	.50	10	10	.10	.06	4.56	3.88	3.79	1.69	2.70	.10	3.30	.55	1.53	1.56	2.00	1.66	.38	.500	.536
8	1015G	420	2.375	2.938	.75	20	20	.20	.12	6.00	4.50	4.42	1.94	3.40	.10	4.14	.75	1.88	1.82	2.40	1.92	.50	.625	.656
9.62	1020G	775	2.875	3.625	1.00	35	35	.30	.20	7.00	5.50	5.40	2.44	4.14	.10	4.98	.75	2.34	2.30	3.00	2.40	.50	.625	.656
11.38	1025G	1400	3.625	4.375	1.25	65	60	.60	.35	8.38	6.81	6.68	3.03	5.14	.10	6.10	.86	2.82	2.90	3.60	3.00	.56	.750	.748
12.62	1030G	2300	4.125	5.125	1.50	95	95	.90	.50	9.44	7.93	7.80	3.59	6.00	.10	7.10	.86	3.30	3.46	4.20	3.56	.56	.750	.748
14.62	1035G	3550	4.875	5.875	2.00	150	150	1.25	.75	11.00	9.38	9.18	4.19	7.00	.10	8.32	1.12	3.84	4.02	5.10	4.12	.75	1.000	.968
16.88	1040G	5400	5.750	7.250	2.50	215	220	2.00	1.20	12.50	10.50	10.31	4.75	8.25	.16	9.66	1.12	4.38	4.54	5.70	4.70	.75	1.000	1.031
18	1045G	7400	6.750	8.125	3.00	300	300	2.50	1.40	13.62	11.68	11.50	5.31	9.25	.16	10.79	1.12	4.84	5.14	6.50	5.30	.75	1.062	1.062
19.38	1050G	10000	7.375	9.000	3.50	420	430	4.12	2.50	15.31	13.37	13.17	6.03	10.00	.20	12.04	1.50	5.54	5.80	7.20	6.00	1.00	1.312	1.344
20.88	1055G	13125	8.250	10.000	4.00	550	580	5.12	3.00	16.75	14.56	14.76	6.62	11.00	.20	13.16	1.50	6.22	6.80	8.00	7.00	1.00	1.312	1.344
23	1060G	17000	9.125	11.000	4.50	675	715	7.50	4.25	18.00	16.12	16.16	7.41	12.00	.26	14.41	1.00	6.66	7.34	9.00	7.60	1.00	1.312	1.406
26	1070G	24700	10.875	13.000	5.00	1070	1120	9.80	5.75	20.75	18.75	18.86	8.69	14.00	.33	16.73	1.12	7.70	8.67	10.50	9.00	1.00	1.375	1.500

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

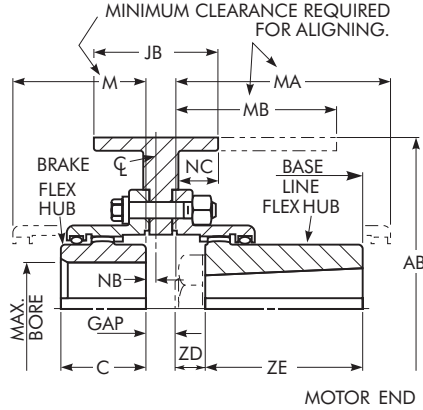
♦ Maximum rim velocity is 6000 feet per minute. Brakewheel must be balanced if peripheral speed exceeds 6000 feet per minute.

■ Dimensions and allowable speed vary with application; consult the Factory.

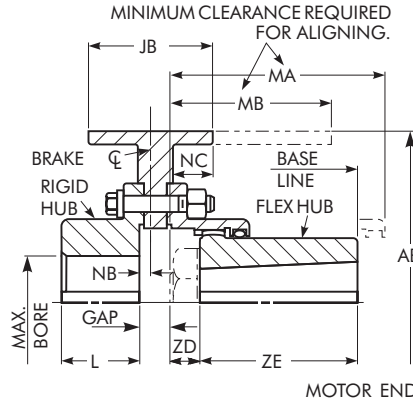
▲ Dimensions AC and JC depend upon customer caliper specifications.

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

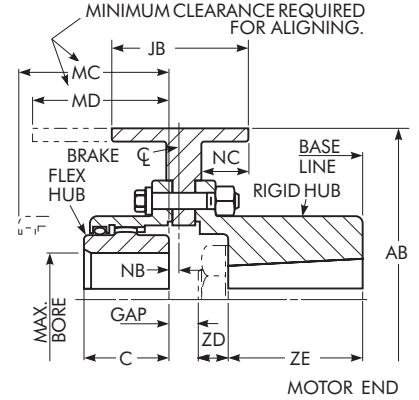
Taper Bores — Wheel Sizes 8" – 30" Diameter & Larger



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 AB x JB	Wheel Drawing Number	CPLG SIZE ★	Mill Motor Size	Allow Speed rpm ▲	Brake Rating lb-ft ◆	Brake Manufacturer & Catalog Number				C	L	M	MA MB Max	MC MD Max	NB		NC	ZD	ZE	Gap	
						C-H Co.	E.C. & M.	G.E.	West						Fig 1 & 3	Fig 2				Fig 1	Fig 2 & 3
8 x 3.25	330155	1015G	802	2,860	100	8	T-08	A100	TM83	1.94	1.82	2.40	4.50	2.90	.56	.61	1.47	.94	3.00	.625	.660
10 x 3.75	330156	1015G	803,804	2,290	200	10	T-10	A101	TM1035	1.94	1.82	2.40	5.00	2.90	.88	.92	2.03	1.00	3.50	.625	.660
13 x 5.75	330158	1020G	806	1,760	550	13	T-13	A102	TM1355	2.44	2.30	3.00	5.62	3.50	.75	.80	2.91	1.13	4.00	.625	.660
13 x 5.75	330159	1025G	808	1,760	550	13	T-13	A102	TM1355	3.03	2.90	3.60	6.25	4.10	1.12	1.14	3.19	1.25	4.50	.750	.750
16 x 6.75	330160	1025G	810	1,430	1000	16	T-16	A103	TM1665	3.03	2.90	3.60	6.38	4.72	.12 *	.14	2.69	1.38	4.50	.750	.750
19 x 8.75	330162	1030G	812	1,200	2000	19	T-19	A104	TM1985	3.59	3.46	4.20	7.00	5.88	.25 *	.23	3.31	1.50	5.00	.750	.750
19 x 8.75	330163	1035G	814	1,200	2000	19	T-19	A104	TM1985	4.19	4.02	5.10	7.12	6.58	.12	.12	3.47	1.63	5.00	1.000	.980
23 x 11.25	330164	1040G	816	995	4000	23	T-23	A105	TM2311	4.75	4.54	5.70	8.20	7.82	0	.05	4.59	1.75	5.50	1.000	1.050
23 x 11.25	330165	1040G	818	995	4000	23	T-23	A105	TM2311	4.75	4.54	5.70	8.31	8.26	.44 *	.39 *	4.16	1.31	6.00	1.000	1.050
30 x 14.25	330166	1050G	820	765	9000	30	...	...	...	6.03	5.80	7.20	8.50	10.63	.44 *	.37 *	5.38	1.75	6.75	1.312	1.360
30 x 14.25	330167	1050G	822	765	9000	30	...	...	...	6.03	5.80	7.20	9.62	9.76	.19	.25	6.00	2.37	7.25	1.312	1.360

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

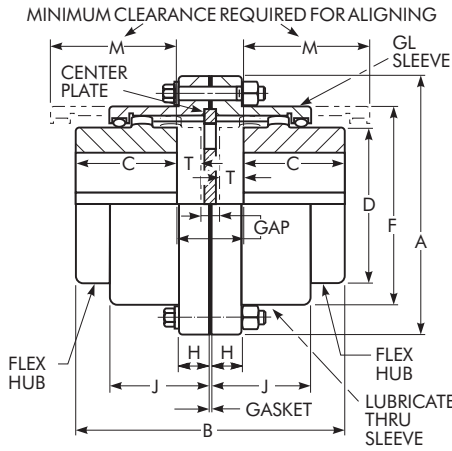
◆ For standard AISE brakes.

▲ Based on maximum rim velocity of 6000 feet per minute.

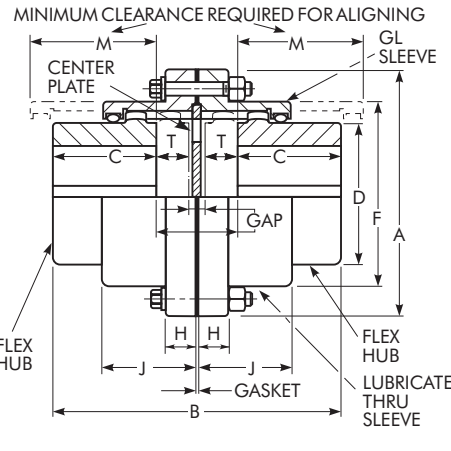
\* Symbol indicates that Dimension NB and the brakewheel centerline are to the left of the hub face.

# Type GL20 Standard Flanged Sleeve

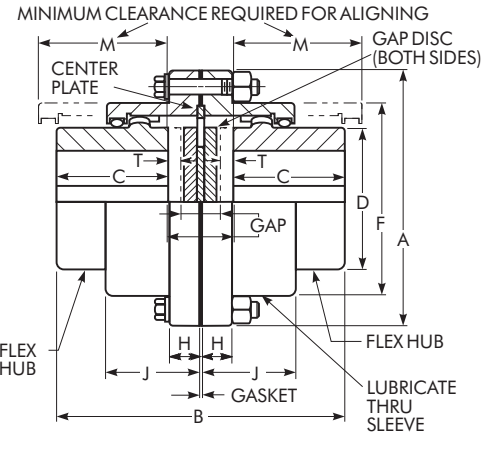
## Slide Double Engagement/Dimensions — Inches



**Type GL20-1**  
Long Tooth Sleeve  
Reversed Std. Hubs  
Center Plate



**Type GL20-2**  
Long Tooth Sleeves  
Cutoff Long Hubs  
Center Plate



**Type GL20-4**  
Std. Tooth Sleeves  
Reversed Std. Hubs  
Center Plate

### 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 (lb-in) †	Allow Speed rpm ‡	Max Bore ●	Min Bore ■	Cplg Wt with No Bore-lb	Lube Wt lb	A	C	D	F	H	J	SIZE ★
1010GL	10,080	5,300	1.875	.50	10	.05	4.56	1.69	2.70	3.30	.55	1.53	1010GL
1015GL	20,790	4,300	2.375	.75	20	.08	6.00	1.94	3.40	4.14	.75	1.88	1015GL
1020GL	37,800	3,700	2.875	1.00	35	.14	7.00	2.44	4.14	4.98	.75	2.34	1020GL
1025GL	66,150	3,300	3.625	1.25	65	.25	8.38	3.03	5.14	6.10	.86	2.82	1025GL
1030GL	107,100	2,900	4.125	1.50	90	.40	9.44	3.59	6.00	7.10	.86	3.30	1030GL
1035GL	163,800	2,600	4.875	2.00	150	.60	11.00	4.19	7.00	8.32	1.12	3.84	1035GL
1040GL	270,900	2,400	5.750	2.50	220	1.00	12.50	4.75	8.25	9.66	1.12	4.38	1040GL
1045GL	371,700	2,100	6.750	3.00	300	1.12	13.62	5.31	9.25	10.79	1.12	4.84	1045GL
1050GL	500,900	1,900	7.375	3.50	425	2.00	15.31	6.03	10.00	12.04	1.50	5.54	1050GL
1055GL	655,200	1,800	8.250	4.00	560	2.50	16.75	6.62	11.00	13.16	1.50	6.22	1055GL
1060GL	800,100	1,600	9.125	4.50	700	3.50	18.00	7.41	12.00	14.41	1.00	6.66	1060GL
1070GL	1,197,000	1,400	10.875	5.00	1100	4.80	20.75	8.69	14.00	16.73	1.12	7.70	1070GL

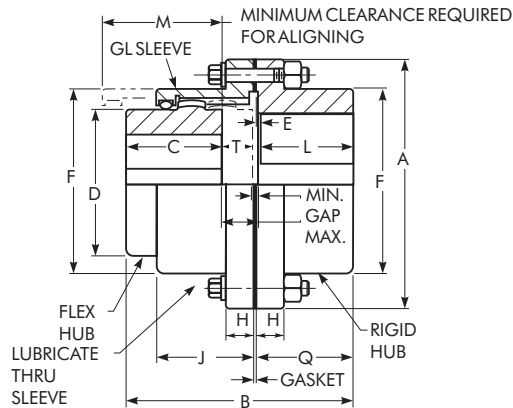
SIZE ★	Type GL20-1						Type GL20-2						Type GL20-4 ♦					
	B Max	M	T (Max)		Gap		B Max	M	T (Max)		Gap		B Max	M	T (Max)		Gap	
			Each	Total	Min	Max			Each	Total	Min	Max			Each	Total	Min	Max
1010GL	3.79	2.12	.05	.10	.31	.41	4.97	2.30	.64	1.28	.31	1.59	3.79	2.12	.08	.17	.24	.41
1015GL	5.01	2.35	.41	.82	.31	1.13	6.01	2.70	.91	1.82	.31	2.13	5.01	2.35	.29	.59	.54	1.13
1020GL	5.93	3.04	.37	.74	.31	1.05	7.33	3.30	1.07	2.14	.31	2.45	5.93	3.04	.39	.79	.26	1.05
1025GL	7.39	3.68	.48	.96	.37	1.33	9.11	4.00	1.34	2.68	.37	3.05	7.39	3.68	.24	.49	.84	1.33
1030GL	8.95	4.26	.70	1.40	.37	1.77	10.37	3.60	1.41	2.82	.37	3.19	8.95	4.26	.45	.91	.86	1.77
1035GL	10.77	4.90	.97	1.94	.45	2.39	12.39	4.10	1.78	3.56	.45	4.01	10.77	4.90	.55	1.10	1.29	2.39
1040GL	12.61	5.46	1.27	2.54	.57	3.11	14.27	4.70	2.10	4.20	.57	4.77	12.61	5.46	.64	1.28	1.83	3.11
1045GL	13.99	6.08	1.37	2.74	.63	3.37	15.97	5.10	2.36	4.72	.63	5.35	13.99	6.08	.76	1.52	1.85	3.37
1050GL	16.07	6.91	1.65	3.30	.71	4.01	18.09	5.90	2.66	5.32	.71	6.03	16.07	6.91	.81	1.63	2.38	4.01
1055GL	18.51	7.51	2.28	4.56	.71	5.27	20.09	6.60	3.07	6.14	.71	6.85	18.51	7.51	.83	1.66	3.61	5.27
1060GL	19.83	8.33	2.09	4.18	.83	5.01	22.17	7.20	3.26	6.52	.83	7.35	19.83	8.33	.97	1.95	3.06	5.01
1070GL	23.30	9.66	2.44	4.88	1.04	5.92	26.16	8.30	3.87	7.74	1.04	8.78	23.30	9.66	1.06	2.13	3.79	5.92

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

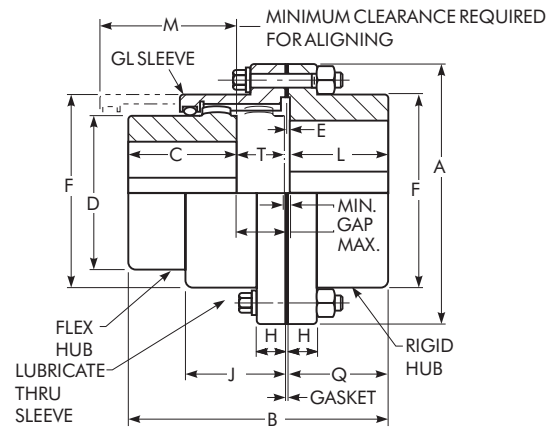
♦ Gap discs are not required for Sizes 1010 and 1020GL.

# Type GL52 Standard Flanged Sleeve

## Slide Single Engagement/Dimensions — Inches



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.

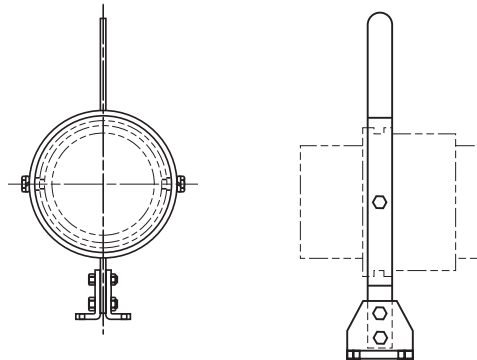
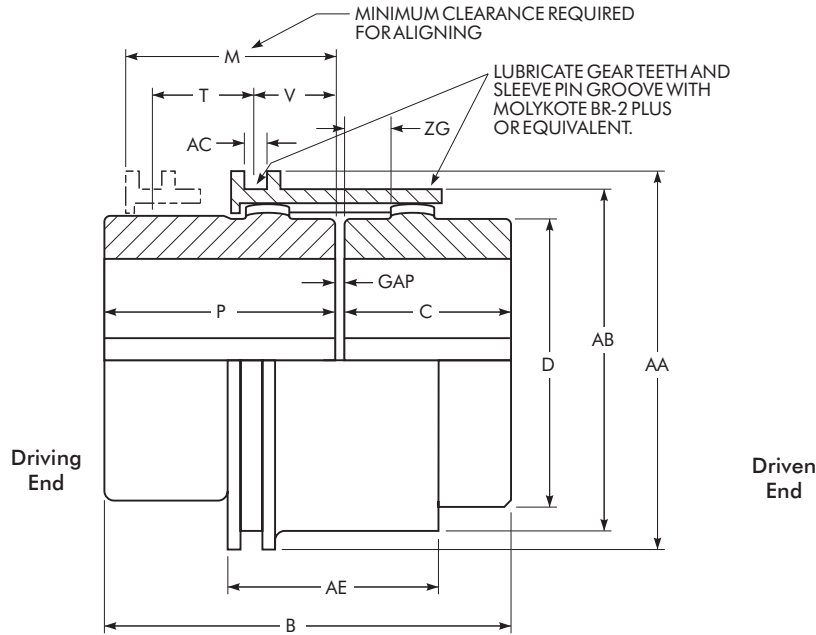
SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore •		Min Bore ■	Cplg Wt with No Bore-lb	Lube Wt lb	A	C	D	E	F	H	J	L	Q	SIZE ★
			Flex Hub	Rigid Hub													
1010GL	10,080	5,300	1.875	2.375	.50	10	.03	4.56	1.69	2.70	.10	3.30	.55	1.53	1.56	1.66	1010GL
1015GL	20,790	4,300	2.375	2.938	.75	20	.05	6.00	1.94	3.40	.10	4.14	.75	1.88	1.82	1.92	1015GL
1020GL	37,800	3,700	2.875	3.625	1.00	35	.08	7.00	2.44	4.14	.10	4.98	.75	2.34	2.30	2.40	1020GL
1025GL	66,150	3,300	3.625	4.375	1.25	65	.14	8.38	3.03	5.14	.10	6.10	.86	2.82	2.90	3.00	1025GL
1030GL	107,100	2,900	4.125	5.125	1.50	95	.25	9.44	3.59	6.00	.10	7.10	.86	3.30	3.46	3.56	1030GL
1035GL	163,800	2,600	4.875	5.875	2.00	150	.40	11.00	4.19	7.00	.10	8.32	1.12	3.84	4.02	4.12	1035GL
1040GL	270,900	2,400	5.750	7.250	2.50	220	.60	12.50	4.75	8.25	.16	9.66	1.12	4.38	4.54	4.70	1040GL
1045GL	371,700	2,100	6.750	8.125	3.00	300	.75	13.62	5.31	9.25	.16	10.79	1.12	4.84	5.14	5.30	1045GL
1050GL	500,900	1,900	7.375	9.000	3.50	430	1.20	15.31	6.03	10.00	.20	12.04	1.50	5.54	5.80	6.00	1050GL
1055GL	655,200	1,800	8.250	10.000	4.00	580	1.60	16.75	6.62	11.00	.20	13.16	1.50	6.22	6.80	7.00	1055GL
1060GL	800,100	1,600	9.125	11.000	4.50	715	2.12	18.00	7.41	12.00	.26	14.41	1.00	6.66	7.34	7.60	1060GL
1070GL	1,197,000	1,400	10.875	13.000	5.00	1125	3.00	20.75	8.69	14.00	.33	16.73	1.12	7.70	8.67	9.00	1070GL

★ See Page 15 for General Information and Reference Notes.

SIZE ★	Type GL52-1					Type GL52-2				
	B Max	M	T Max	Gap		B Max	M	T Max	Gap	
				Min	Max				Min	Max
1010GL	3.55	2.12	.14	.16	.30	4.14	2.30	.73	.16	.89
1015GL	4.42	2.35	.50	.16	.66	4.92	2.70	1.00	.16	1.16
1020GL	5.36	3.34	.46	.16	.62	6.06	3.30	1.16	.16	1.32
1025GL	6.68	3.68	.57	.19	.76	7.55	4.00	1.43	.19	1.62
1030GL	8.03	4.26	.79	.19	.98	8.74	3.60	1.50	.19	1.69
1035GL	9.50	4.90	1.07	.22	1.29	10.31	4.10	1.88	.22	2.10
1040GL	11.00	5.46	1.43	.28	1.71	11.83	4.70	2.26	.28	2.54
1045GL	12.39	6.08	1.53	.31	1.84	13.30	5.10	2.52	.31	2.83
1050GL	14.02	6.91	1.85	.34	2.19	15.03	5.90	2.86	.34	3.20
1055GL	16.24	7.51	2.48	.34	2.82	17.03	6.60	3.27	.34	3.61
1060GL	17.51	8.33	2.35	.41	2.76	18.68	7.20	3.52	.41	3.93
1070GL	20.63	9.66	2.77	.50	3.27	22.06	8.30	4.20	.50	4.70

# Type G70

## Disconnect (Inching Drives)/Dimensions — Inches



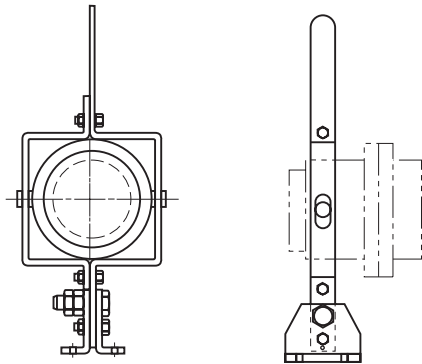
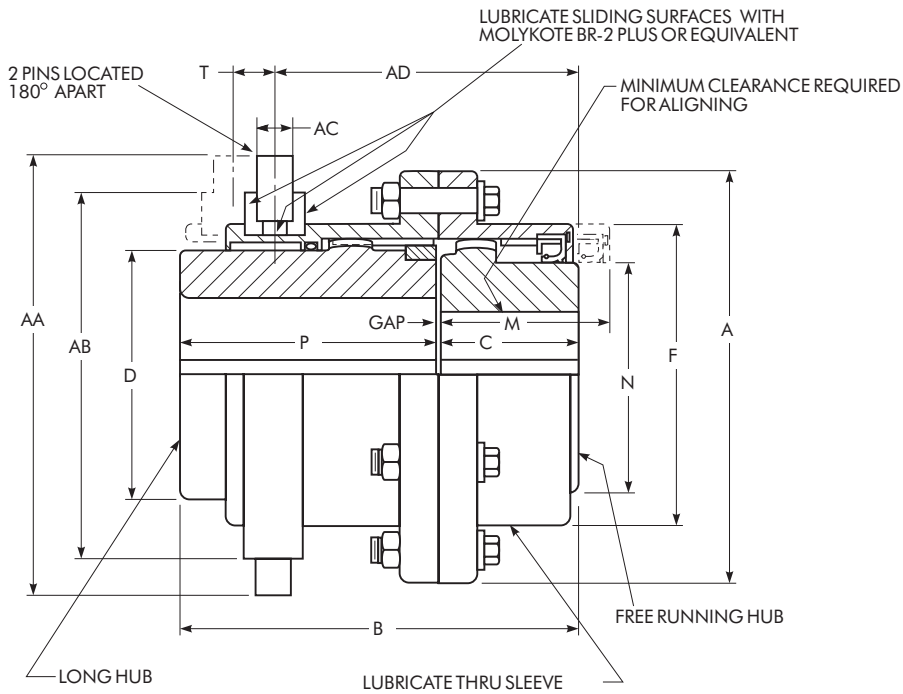
Optional hand operated shifter mechanism to shift and secure the proper position of the sleeve assembly.

SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore ●	Min Bore ■	Cplg Wt With No Bore-lb	B	C	D	M	P	T	V	AA	AB	AC	AE	ZG	Gap	SIZE ★
1010G	10,080	630	1.875	.50	9	4.56	1.69	2.70	2.74	2.74	1.18	.86	3.82	3.30	.32	2.36	.58	.125	1010G
1015G	20,790	500	2.375	.75	15	4.76	1.94	3.40	2.70	2.70	1.16	.84	4.76	4.23	.32	2.32	.50	.125	1015G
1020G	37,800	400	2.875	1.00	30	6.02	2.44	4.14	3.46	3.46	1.50	1.14	5.74	5.10	.44	3.08	.70	.125	1020G
1025G	66,150	330	3.625	1.25	53	7.42	3.03	5.14	4.20	4.20	1.90	1.48	6.80	6.16	.44	3.82	.86	.188	1025G
1030G	107,100	280	4.125	1.50	80	8.50	3.59	6.00	4.72	4.72	2.16	1.68	7.92	7.16	.56	4.34	.96	.188	1030G
1035G	163,800	240	4.875	2.00	123	9.70	4.19	7.00	5.26	5.26	2.48	1.90	9.10	8.35	.56	4.88	1.06	.250	1035G
1040G	270,900	200	5.750	2.50	183	10.62	4.75	8.25	5.62	5.62	2.66	2.08	10.60	9.85	.56	5.24	1.08	.250	1040G
1045G	371,700	180	6.750	3.00	262	12.04	5.31	9.25	6.42	6.42	3.04	2.36	11.74	10.85	.68	6.04	1.24	.312	1045G
1050G	500,900	170	7.375	3.50	353	13.34	6.03	10.00	7.00	7.00	3.32	2.64	13.04	12.16	.68	6.60	1.37	.312	1050G
1055G	655,200	150	8.250	4.00	439	14.04	6.62	11.00	7.10	7.10	3.38	2.68	14.04	13.16	.68	6.70	1.29	.312	1055G
1060G	800,100	140	9.125	4.50	603	16.02	7.41	12.00	8.30	8.30	3.94	3.22	15.62	14.41	.76	7.92	1.67	.312	1060G
1070G	1,197,000	120	10.875	5.00	935	18.36	8.69	14.00	9.40	9.30	4.60	3.67	17.94	16.73	.76	9.03	1.96	.375	1070G

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

# Type G72

## Disconnect/Dimensions — Inches



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

SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore •		Min Bore ■	Cplg Wt With No Bore-lb	Lube Wt lb	A	B	C	D	F	M	N	P	T	AA	AB	AC	AD	Gap	SIZE ★
			Long Hub	Free Hub																		
1010G	10,080	4,200	1.875	1.500	.50	15	.07	4.56	5.06	1.68	2.70	3.30	2.30	2.25	3.25	.50	6.25	5.00	.62	3.68	.125	1010G
1015G	20,790	3,200	2.375	2.062	.75	29	.12	6.00	5.81	2.06	3.40	4.14	3.00	3.00	3.62	.56	7.25	6.00	.62	4.26	.125	1015G
1020G	37,800	2,450	2.875	2.688	1.00	50	.20	7.00	7.06	2.44	4.14	4.98	3.30	3.88	4.50	.88	7.75	6.50	.62	5.38	.125	1020G
1025G	66,150	2,000	3.625	3.250	1.25	79	.38	8.38	8.44	2.88	5.14	6.10	3.60	4.75	5.38	.88	9.00	7.50	.75	6.50	.188	1025G
1030G	107,100	1,650	4.125	4.000	1.50	115	.60	9.44	9.68	3.88	6.00	7.10	4.20	5.75	5.62	1.00	9.75	8.50	.88	7.86	.188	1030G
1035G	163,800	1,530	4.875	4.312	2.00	180	.90	11.00	10.88	4.00	7.00	8.32	4.10	6.25	6.62	1.12	11.88	10.62	.88	8.64	.250	1035G
1040G	270,900	1,200	5.750	5.562	2.50	267	1.50	12.50	12.05	4.42	8.25	9.66	4.90	8.00	7.38	1.25	13.88	11.62	1.00	9.66	.250	1040G
1045G	371,700	1,060	6.750	6.188	3.00	336	1.70	13.62	12.38	4.82	9.25	10.79	5.50	8.88	7.25	1.56	15.50	13.00	1.00	9.91	.312	1045G
1050G	500,900	950	7.375	7.375	3.50	461	3.00	15.31	14.19	5.62	10.00	12.04	7.20	10.00	8.25	1.75	15.00	12.75	1.00	11.16	.312	1050G
1055G	655,200	860	8.250	7.375	4.00	612	3.70	16.75	15.19	6.62	11.00	13.16	7.25	10.00	8.25	2.12	17.75	15.75	1.12	13.31	.312	1055G
1060G	800,100	830	9.125	8.625	4.50	809	5.25	18.00	18.31	7.12	12.00	14.41	7.62	11.50	10.88	2.00	18.25	16.62	1.12	14.56	.312	1060G
1070G	1,197,000	680	10.875	10.875	5.00	1155	7.20	20.75	18.88	7.75	14.00	16.73	10.50	14.00	10.75	2.25	23.00	20.00	1.12	15.08	.375	1070G

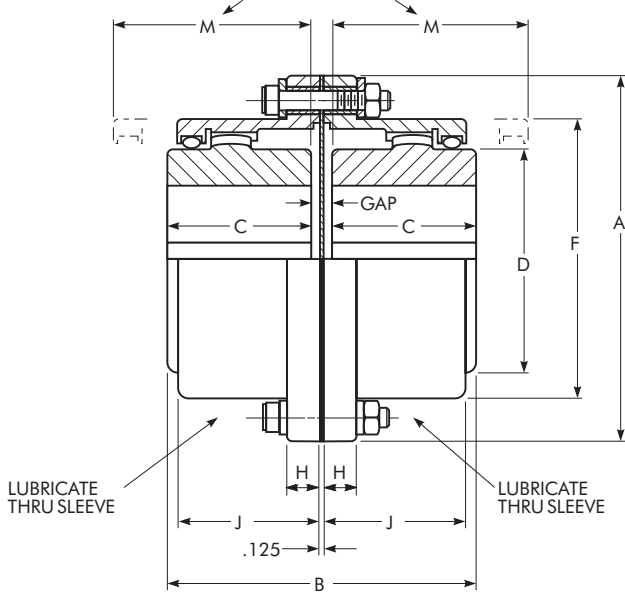
★ See Page 15 for General Information and Reference Notes.

# Type GP20/52/82 Standard Flanged Sleeve

## Insulated/Dimensions — Inches

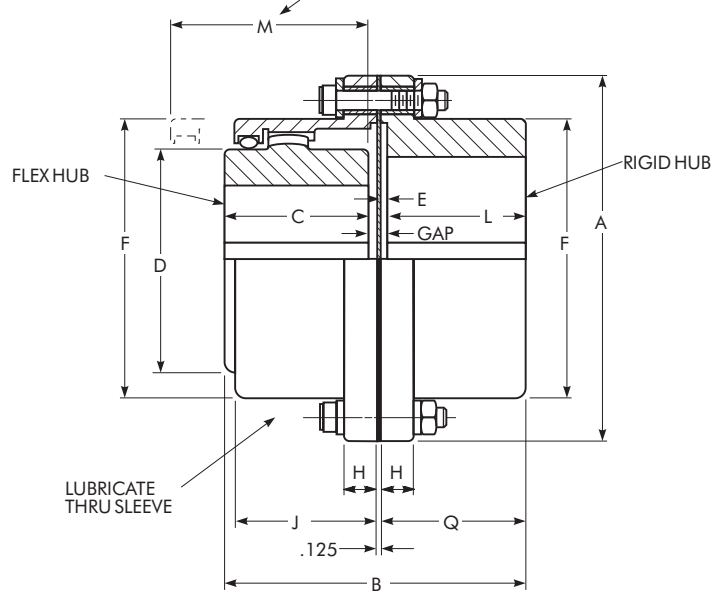
Type GP20 Double Engagement Coupling

MINIMUM CLEARANCE REQUIRED FOR ALIGNING



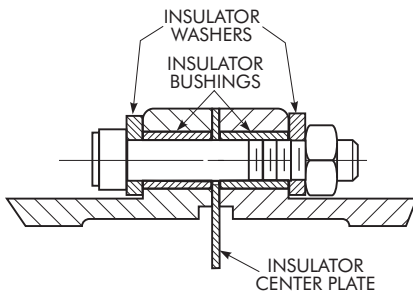
Type GP52 Single Engagement Coupling

MINIMUM CLEARANCE REQUIRED FOR ALIGNING

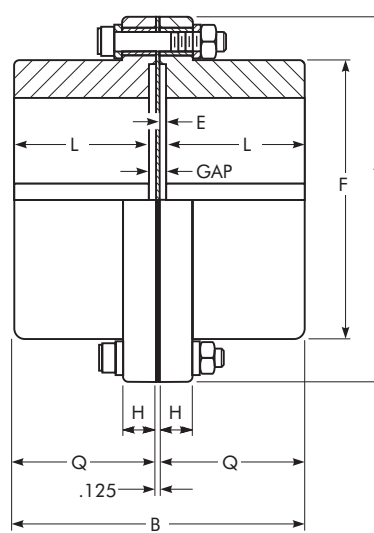


SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore •		Min Bore ■	Cplg Wt With No Bore-lb			Lube Wt-lb	
			Flex Hub	Rigid Hub		GP20	GP52	GP82	GP20	GP52
1025G	66,150	5,000	3.625	4.375	1.25	65	60	60	.50	.26
1030G	107,100	4,400	4.125	5.125	1.50	95	95	95	.80	.40
1035G	163,800	3,900	4.875	5.875	2.00	150	150	155	1.20	.60
1040G	270,900	3,600	5.750	7.250	2.50	215	220	225	2.00	1.03
1045G	371,700	3,200	6.750	8.125	3.00	300	300	310	2.30	1.25
1050G	500,900	2,900	7.375	9.000	3.50	420	430	450	3.90	2.00
1055G	655,200	2,650	8.250	10.000	4.00	550	580	620	4.90	2.50
1060G	800,100	2,450	9.125	11.000	4.50	675	715	740	7.00	3.75
1070G	1,197,000	2,150	10.875	13.000	5.00	1070	1120	1180	9.60	5.00

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



Type GP82 Rigid Coupling

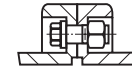
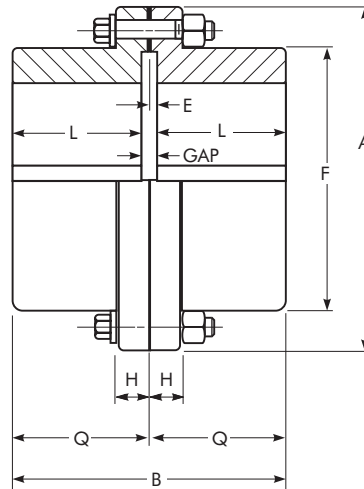


SIZE ★	Flange Bolt		A	B			C	D	E	F	H	J	L	M	Q	Gap			SIZE ★
	Dia & Length	Torque (lb-in)		GP20	GP52	GP82										GP20	GP52	GP82	
1025GP	.500-13 x 3.00	420	8.38	6.38	6.24	6.12	3.03	5.14	.10	6.10	.86	2.82	2.90	3.60	3.00	.325	.325	.335	1025GP
1030GP	.500-13 x 3.00	420	9.44	7.49	7.36	7.24	3.59	6.00	.10	7.10	.86	3.30	3.46	4.20	3.56	.325	.325	.335	1030GP
1035GP	.625-11 x 4.00	840	11.00	8.75	8.55	8.36	4.19	7.00	.10	8.32	1.12	3.84	4.02	5.10	4.12	.385	.350	.335	1035GF
1040GP	.625-11 x 4.00	840	12.50	9.88	9.68	9.52	4.75	8.25	.16	9.66	1.12	4.38	4.54	5.70	4.70	.385	.420	.455	1040GP
1045GP	.625-11 x 4.00	840	13.62	11.06	10.87	10.72	5.31	9.25	.16	10.79	1.12	4.84	5.14	6.50	5.30	.450	.450	.455	1045GP
1050GP	.750-10 x 5.00	1440	15.31	12.49	12.29	12.12	6.03	10.00	.20	12.04	1.50	5.54	5.80	7.20	6.00	.450	.480	.535	1050GP
1055GP	.750-10 x 5.00	1440	16.75	13.68	13.88	14.12	6.62	11.00	.20	13.16	1.50	6.22	6.80	8.00	7.00	.450	.480	.535	1055GP
1060GP	.750-10 x 4.00	1440	18.00	15.24	15.28	15.32	7.41	12.00	.26	14.41	1.00	6.66	7.34	9.00	7.60	.450	.540	.655	1060GP
1070GP	.875-9 x 4.50	1800	20.75	17.89	17.98	18.12	8.69	14.00	.33	16.73	1.12	7.70	8.67	10.50	9.00	.510	.635	.795	1070GP



# Type G82 Standard Flanged Sleeve

## Rigid/Dimensions — Inches



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

SIZE ★	Torque Rating (lb-in) †	Allow Speed rpm ‡	Max Bore ●	Min Bore ■	Cplg Wt With No Bore-lb		A	B	E	F	H	L	Q	Gap	SIZE ★
					G81	G82									
<b>1010G</b>	10,080	8,000	2.375	.50	9	10	4.56	3.32	.10	3.30	.55	1.56	1.66	.200	<b>1010G</b>
<b>1015G</b>	20,790	6,500	2.938	.75	19	20	6.00	3.84	.10	4.14	.75	1.82	1.92	.200	<b>1015G</b>
<b>1020G</b>	37,800	5,600	3.625	1.00	30	35	7.00	4.80	.10	4.98	.75	2.30	2.40	.200	<b>1020G</b>
<b>1025G</b>	66,150	5,000	4.375	1.25	55	60	8.38	6.00	.10	6.10	.86	2.90	3.00	.200	<b>1025G</b>
<b>1030G</b>	107,100	4,400	5.125	1.50	90	95	9.44	7.12	.10	7.10	.86	3.46	3.56	.200	<b>1030G</b>
<b>1035G</b>	163,800	3,900	5.875	2.00	135	155	11.00	8.24	.10	8.32	1.12	4.02	4.12	.200	<b>1035G</b>
<b>1040G</b>	270,900	3,600	7.250	2.50	210	225	12.50	9.40	.16	9.66	1.12	4.54	4.70	.320	<b>1040G</b>
<b>1045G</b>	371,700	3,200	8.125	3.00	290	310	13.62	10.60	.16	10.79	1.12	5.14	5.30	.320	<b>1045G</b>
<b>1050G</b>	500,900	2,900	9.000	3.50	415	450	15.31	12.00	.20	12.04	1.50	5.80	6.00	.400	<b>1050G</b>
<b>1055G</b>	655,200	2,650	10.000	4.00	590	620	16.75	14.00	.20	13.16	1.50	6.80	7.00	.400	<b>1055G</b>
<b>1060G</b>	800,100	2,450	11.000	4.50	...	740	18.00	15.20	.26	14.41	1.00	7.34	7.60	.520	<b>1060G</b>
<b>1070G</b>	1,197,000	2,150	13.000	5.00	...	1180	20.75	18.00	.33	16.73	1.12	8.67	9.00	.660	<b>1070G</b>

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

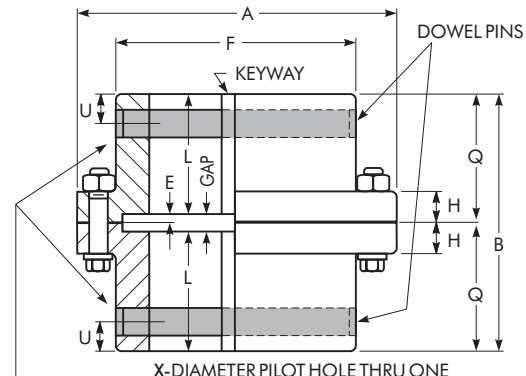
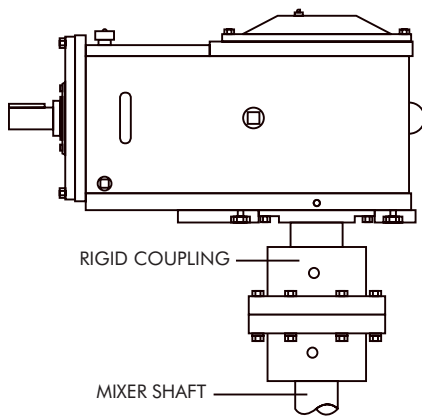
# Type GV82 Standard Flanged Sleeve

## Rigid Thrust/Dimensions — Inches

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.



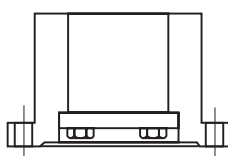
X-DIAMETER PILOT HOLE THRU ONE WALL IN EACH HUB AT 90° TO KEYWAY FOR W-DOWEL. AFTER MOUNTING HUBS, DRILL AND REAM THRU FOR .0010" T TO .0005" L DOWEL FIT. STAKE DOWELS IN PLACE.

SIZE ★	Torque Rating (lb-in) †	Hub Bore Range ●	Cplg Wt With No Bore-lb	A	B	E	F	H	L	Q	U	W ♦		X	Gap	Size ★
												Dowel Dia x Length	Dowel Hole-Dia +.0005 -.0000			
1010GV	10,080	1.375-2.250	10	4.56	3.32	.10	3.30	.55	1.56	1.66	.38	.375 x 3.22	.3740	.344	.200	1010GV
1015GV	20,790	1.625-2.750	20	6.00	3.84	.10	4.14	.75	1.82	1.92	.50	.500 x 4.06	.4990	.469	.200	1015GV
1020GV	37,800	2.500-3.250	35	7.00	4.80	.10	4.98	.75	2.30	2.40	.75	.750 x 4.88	.7490	.719	.200	1020GV
1025GV	66,150	3.250-4.000	60	8.38	6.00	.10	6.10	.86	2.90	3.00	1.00	1.000 x 5.98	.9990	.938	.200	1025GV
1030GV	107,100	3.500-4.500	95	9.44	7.12	.10	7.10	.86	3.46	3.56	1.12	1.125 x 6.96	1.1240	1.063	.200	1030GV
1035GV	163,800	4.000-5.250	155	11.00	8.24	.10	8.32	1.12	4.02	4.12	1.25	1.250 x 8.20	1.2490	1.188	.200	1035GV
1040GV	270,900	4.500-6.250	225	12.50	9.40	.16	9.66	1.12	4.54	4.70	1.38	1.375 x 9.52	1.3740	1.313	.320	1040GV
1045GV	371,700	5.000-7.000	310	13.62	10.60	.16	10.79	1.12	5.14	5.30	1.50	1.500 x 10.64	1.4990	1.438	.320	1045GV
1050GV	500,900	5.750-7.750	450	15.31	12.00	.20	12.04	1.50	5.80	6.00	1.75	1.750 x 11.86	1.7490	1.688	.400	1050GV
1055GV	655,200	5.750-8.500	620	16.75	14.00	.20	13.16	1.50	6.80	7.00	1.75	1.750 x 13.00	1.7490	1.688	.400	1055GV
1060GV	800,100	6.750-9.250	740	18.00	15.20	.26	14.41	1.00	7.34	7.60	2.00	2.000 x 14.22	1.9990	1.938	.520	1060GV
1070GV	1,197,000	6.750-10.750	1180	20.75	18.00	.33	16.73	1.12	8.67	9.00	2.00	2.000 x 16.56	1.9990	1.938	.660	1070GV

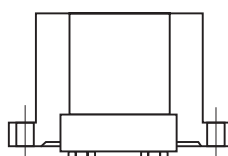
★ Refer to Page 15 for General Information and other Reference Notes.

♦ Dowels: diameters, +.000", -.001" material, AISI 4140 hardness, 310-350 HB; furnished by the Factory. Customer is responsible for checking and furnishing driven shaft with satisfactory capacity.

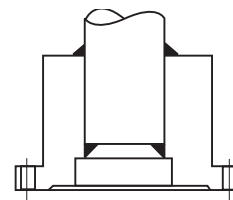
### OTHER AXIAL RETENTION OPTIONS — AVAILABLE ON TYPE GXVF (Refer to Falk)



KEEPER PLATE



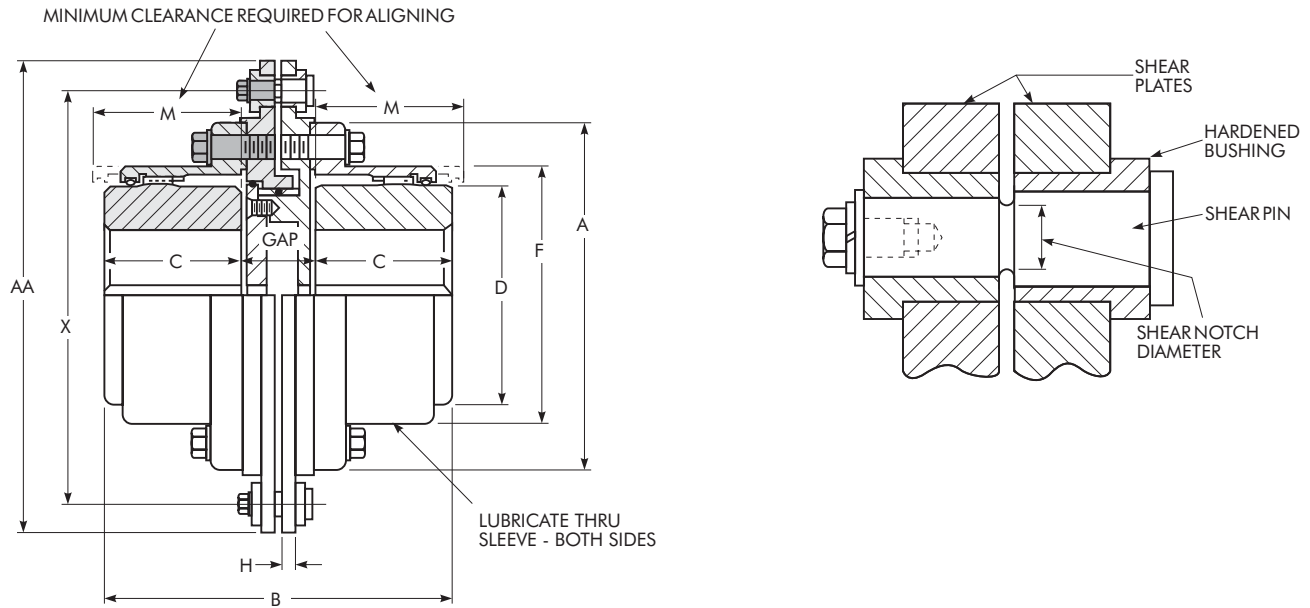
REGISTERED KEEPER PLATE



WELDED

# Type GR20 Standard Flanged Sleeve

## Shear Pin/Double Engagement Dimensions — Inches



SIZE ★	Torque Rating (lb-in) †	Shear Torque (lb-in x 1000)		Allow Speed rpm ‡	Cplg Wt With No Bore-lb	Lube Wt-lb	A	B	C	D	F	H	M	X	AA	Gap	SIZE ★
		Min.	Max.														
1010GR	10,080	1.1	9.5	5,000	19	.09	4.56	4.79	1.69	2.70	3.30	.360	2.00	5.812	6.812	1.406	1010GR
1015GR	20,790	2.5	21.3	4,000	33	.16	6.00	5.44	1.94	3.40	4.14	.360	2.40	7.250	8.250	1.562	1015GR
1020GR	37,800	5.3	39.4	3,600	62	.25	7.00	6.70	2.44	4.14	4.98	.480	3.00	8.250	9.250	1.819	1020GR
1025GR	66,150	9.4	70.9	2,700	108	.50	8.38	7.94	3.03	5.14	6.10	.480	3.60	10.500	12.500	1.875	1025GR
1030GR	107,100	15.7	118.1	2,400	146	.80	9.44	9.22	3.59	6.00	7.10	.480	4.20	11.562	13.312	2.040	1030GR
1035GR	163,800	22.5	181.1	2,100	225	1.20	11.00	10.76	4.19	7.00	8.32	.480	5.10	13.125	14.875	2.375	1035GR
1040GR	270,900	27.8	275.6	1,900	304	2.00	12.50	11.88	4.75	8.25	9.66	.480	5.70	14.625	16.375	2.375	1040GR
1045GR	371,700	48.1	378.0	1,800	407	2.30	13.62	13.00	5.31	9.25	10.79	.480	6.50	15.750	17.750	2.375	1045GR
1050GR	500,900	61.8	511.9	1,750	616	3.90	15.31	15.53	6.03	10.00	12.04	.980	7.20	17.250	19.000	3.470	1050GR
1055GR	655,200	79.0	669.4	1,500	797	4.90	16.75	16.71	6.62	11.00	13.16	.980	8.00	19.000	21.000	3.470	1055GR
1060GR	800,100	111.3	886.3	1,400	972	7.00	18.00	18.29	7.41	12.00	14.41	.980	9.00	20.500	23.260	3.470	1060GR
1070GR	1,197,000	159.7	1260.6	1,250	1478	9.60	20.75	20.85	8.69	14.00	16.73	.980	10.50	23.250	26.000	3.470	1070GR

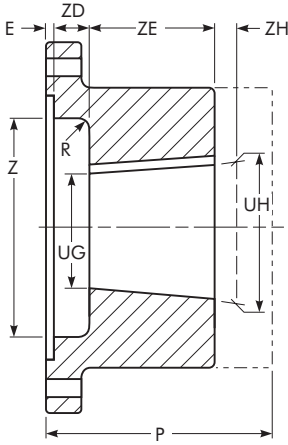
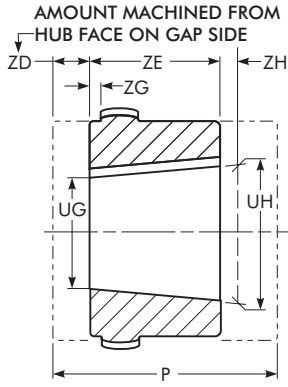
★ Refer to Page 15 for General Information and other Reference Notes. Minimum and maximum bores are the same as those for Type G20, Page 19.

**TABLE 8 — Shear Pin Design Criteria**

Size	Shear Torque (lb-in)			
	2- Pin Design		4- Pin Design	
	Minimum	Maximum	Minimum	Maximum
1010GR	1,100	3,780	3,790	9,500
1015GR	2,500	8,500	8,510	21,300
1020GR	5,300	15,750	15,760	39,400
1025GR	9,400	28,350	28,360	70,900
1030GR	15,700	47,250	47,260	118,100
1035GR	22,500	72,450	72,460	181,100
1040GR	27,800	110,250	110,260	275,600
1045GR	48,100	151,200	151,210	378,000
1050GR	61,800	204,750	204,760	511,900
1055GR	79,000	267,800	267,810	669,400
1060GR	111,300	354,500	354,510	886,300
1070GR	159,700	504,000	504,010	1,260,600

# Type G Standard Flanged Sleeve

## Mill Motor & Taper Bores/Dimensions — Inches



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

Motor Frame Sizes			COUPLING SIZE ★	E	R	UG	UH	Keyway	Z	ZD	ZE	ZG	ZH +.000 -.000
2 602	802 A, B & C	AC 1, 2 & 4	1015G	.10								.06	.024
			1020G	.10	.31	1.437	1.750	.500 x .250	3.250	.94	3.00	.22	
			1025G	.10								.49	
603 604	803 804	...	1015G	.10								.00	.029
			1020G	.10	.38	1.635	2.000	.500 x .250	3.375	1.00	3.50	.16	
			1025G	.10								.43	
			1030G	.10								.75	
606	806	AC 8 & 12	1020G	.10								.04	.029
			1025G	.10	.38	2.083	2.500	.500 x .250	4.000	1.12	4.00	.30	
			1030G	.10								.62	
			1035G	.10								1.00	
608	808	...	1025G	.10								.18	.029
			1030G	.10	.50	2.531	3.000	.750 x .250	5.250	1.25	4.50	.50	
			1035G	.10								.88	
			1040G	.16								1.26	
610	810	AC180	1025G	.10								.05	.034
			1030G	.10	.25	2.781	3.250	.750 x .250	5.625♦	1.38	4.50	.38	
			1035G	.10								.76	
			1040G	.16								1.14	
612	812	AC 25 & 30	1030G	.10								.25	.034
			1035G	.10	.50	3.104	3.625	.750 x .250	6.250	1.50	5.00	.63	
			1040G	.16								1.01	
			1045G	.16								1.27	
614	814	AC 40 & 50	1035G	.10								.50	.034
			1040G	.16	.50	3.729	4.250	1.000 x .375	6.875	1.62	5.00	.89	
			1045G	.16								1.15	
			1050G	.20								1.60	
616	816	...	1035G	.10			4.559*		7.690		4.870*	.38	.034
			1040G	.16	.62	4.052	4.625	1.250 x .375	7.875	1.75	5.500	.76	
			1045G	.16			4.625		7.875		5.500	1.02	
			1050G	.20			4.625		7.875		5.500	1.46	
618	818	...	1040G	.16								1.20	0.38
			1045G	.16	.62	4.375	5.000	1.250 x .500	8.375	1.32	6.00	1.47	
			1050G	.20								1.91	
620	820	...	1045G	.16								1.02	.038
			1050G	.20	.75	5.172	5.875	1.500 x .750	9.750	1.75	6.75	1.47	
			1055G	.20								2.02	
622	822	...	1045G	.16								.40	.038
			1050G	.20	.75	5.495	6.250	1.500 x .750	9.750	2.37	7.25	.85	
			1055G	.20								1.39	
			1060G	.26								1.64	
624	824	...	1050G	.20								.84	.038
			1055G	.20	.75	6.037	7.000	1.500 x .750	9.750	2.37	9.25	1.39	
			1060G	.26								1.64	
			1070G	.33								2.35	

★ 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 Counter Bore Limitations ▲**

SIZE ★	Flex Hub						Rigid Hub						SIZE ★
	P Max ♣	UG Min	UH Max	ZD Max	ZE Min	Keyway ▼	P Max ♣	UG Min	UH Max	Z Max	ZE Min	Keyway ▼	
1010G	4.00	.50	1.88	.73	1.69	.500 x .250	4.10	.50	2.38	3.00	1.56	.500 x .250	1010G
1015G	4.50	.75	2.38	1.00	1.94	.625 x .312	4.60	.75	2.94	3.38	1.82	.625 x .312	1015G
1020G	5.12	1.00	2.88	1.16	2.44	.750 x .375	5.22	1.00	3.75	4.00	2.30	.750 x .375	1020G
1025G	5.88	1.25	3.62	1.43	3.03	.875 x .438	5.98	1.25	4.38	5.62	2.90	.875 x .438	1025G
1030G	6.50	1.50	4.12	1.75	3.59	1.000 x .500	6.60	1.50	5.12	6.25	3.46	1.000 x .500	1030G
1035G	7.25	2.00	4.88	2.13	4.19	1.250 x .625	6.72	2.00	5.88	6.88	4.02	1.250 x .625	1035G
1040G	8.00	2.50	5.75	2.51	4.75	1.500 x .750	7.52	2.50	6.75	8.38	4.50	1.500 x .750	1040G
1045G	9.62	3.00	6.50	2.77	5.31	1.500 x .750	9.82	3.00	7.50	9.75	5.10	1.500 x .750	1045G
1050G	11.62	3.50	7.00	3.22	6.03	1.750 x .875	11.82	3.50	8.75	10.75	5.80	1.750 x .875	1050G
1055G	11.75	4.00	7.75	3.77	6.62	2.000 x 1.000	11.94	4.00	9.50	11.75	6.80	2.000 x 1.000	1055G
1060G	12.00	4.50	8.75	4.02	7.41	2.000 x 1.000	12.25	4.50	10.50	13.00	7.34	2.000 x 1.000	1060G
1070G	12.20	5.00	10.00	4.73	8.69	2.500 x 1.250	12.32	5.00	12.00	15.00	8.67	2.500 x 1.250	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 shown is for maximum bore with square key.

# Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

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

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	...	...	...

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	...	...	...

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

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

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	

# Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

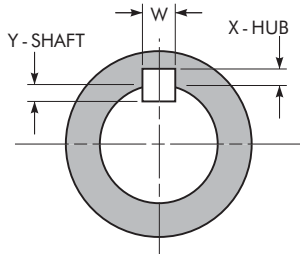
**TABLE 13 — Type G & GC Flex/Pilot Hub Maximum Bores — Inches & Millimeters**

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

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

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

★ See page 15 for General Information and other Reference Notes.  
 ■ Shaded areas indicate maximum bores for standard keys recommended in Table 11.



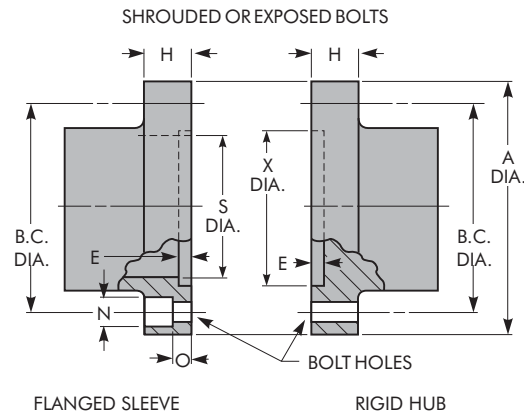
Check Key Stresses

**TABLE 15 — Recommended Bore Tolerances  
Rexnord 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

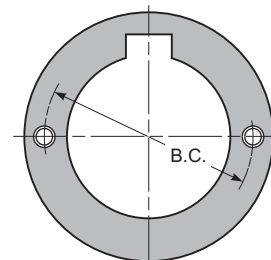


**TABLE 16 — Flanged Sleeve and Rigid Hub Details**

SIZE ★	Shrouded or Exposed Bolts					Shrouded				Exposed	
	A +.000 -.004	E ± .010	H	S ±.010	X ±.010	B.C.	Bolt No.-Dia	N	O	B.C.	Bolt No.-Dia
1010G	4.562	.100	.55	3.060	3.180	3.750	6-.250	.46	.250	3.750	6-.250
1015G	6.000	.100	.75	3.810	3.920	4.812	8-.375	.58	.250	4.812	8-.375
1020G	7.000	.100	.75	4.640	4.800	5.812	10-.375	.58	.250	5.875	6-.500
1025G	8.375	.100	.86	5.700	5.860	7.000	10-.500	.78	.320	7.125	6-.625
1030G	9.438	.100	.86	6.660	6.820	8.000	12-.500	.78	.320	8.125	8-.625
1035G	11.000	.100	1.12	7.690	7.860	9.281	12-.625	.97	.400	9.500	8-.750
1040G	12.500	.160	1.12	9.060	9.250	10.625	14-.625	.97	.400	11.000	8-.750
1045G	13.625	.160	1.12	10.060	10.250	11.750	14-.625	.97	.400	12.000	10-.750
1050G	15.313	.200	1.50	11.060	11.420	13.188	14-.750	1.16	.560	13.500	8-.875
1055G	16.750	.200	1.50	12.090	12.420	14.438	16-.750	1.16	.560	14.500	14-.875
1060G	18.000	.260	1.00	13.280	13.920	...	...	...	...	15.750	14-.875
1070G	20.750	.330	1.12	15.300	15.940	...	...	...	...	18.250	16-1.000

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

SIZE ★	B.C.		Tap Size UNC
	Flex Hub/Pilot Hub	Rigid Hub	
1010G/GC †	2.060	2.625	.375-16 x .50
1015G/GC †	2.750	3.375	.375-16 x .50
1020G/GC	3.500	4.250	.375-16 x .50
1025G/GC	4.440	5.240	.375-16 x .50
1030G/GC	5.060	6.160	.375-16 x .50
1035G/GC	6.000	7.180	.500-13 x .62
1040G	7.125	8.260	.625-11 x .75
1045G	7.875	9.180	.625-11 x .75
1050G	8.500	10.200	.750-10 x .88
1055G	9.375	11.200	.750-10 x .88
1060G	10.375	12.460	.750-10 x .88
1070G	12.250	14.500	1.000-8 x 1.18



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 limitations.

# Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

**TABLE 18 — Torsional Stiffness—lb-in/Radian (10<sup>6</sup>) With No Bores**

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	42	91	21	28	28	84	14	21	29	28
1015G/GC	107	213	53	71	79	188	39	55	60	59
1020G/GC	162	349	81	110	128	317	64	91	103	102
1025G/GC	246	611	123	177	197	557	99	146	194	195
1030G/GC	355	912	177	255	293	848	146	218	304	306
1035G/GC	469	1501	234	357	496	1371	248	364	433	442
1040G	963	2376	481	685	698	2138	349	526	...	...
1045G	1223	3144	611	880	1017	2942	508	756	...	...
1050G	1966	4226	983	1342	1573	4052	786	1133	...	...
1055G	2167	5375	1083	1554	1954	4994	977	1404	...	...
1060G	2588	6584	1294	1857	...	...	...	...	...	...
1070G	4276	10202	2138	3013	...	...	...	...	...	...

**TABLE 19 — WR<sup>2</sup> (lb-in<sup>2</sup>) Values With No Bores**

SIZE ★	Type G and GP										Type GL		Type GV				Type GC		
	G10	G20 GP20	G32 ♦		Spacer * WR <sup>2</sup> per inch	G51	G52 GP52	G70	G72	G81	G82 GP82 GV82	GL20	GL52	GV10	GV20	GV51	GV52	GC02	GC05
			Min. BE	Cplg. WR <sup>2</sup>															
1010G/GC	16	19	3.25	35	1.51	17	20	11	21	17	20	20	20	16	19	17	20	10.2	10.4
1015G/GC	55	70	3.25	125	1.81	56	71	29	77	57	73	72	72	54	69	57	72	29	30
1020G/GC	123	150	3.25	245	4.10	130	155	80	170	135	160	155	155	125	145	130	160	77	80
1025G/GC	302	385	3.75	610	7.78	320	400	210	425	340	420	395	405	305	385	325	405	220	225
1030G/GC	580	705	3.75	1,085	11.67	620	745	450	800	660	785	740	760	580	705	625	750	468	478
1035G/GC	1,320	1,625	4.75	2,495	26.50	1,390	1,695	940	1,780	1,440	1,765	1,685	1,720	1,310	1,615	1,385	1,705	910	927
1040G	2,595	3,105	4.75	4,520	49.10	2,735	3,250	1,970	3,355	2,850	3,400	3,260	3,300	2,580	3,090	2,750	3,285	...	...
1045G	4,235	5,035	4.75	7,060	88.30	4,475	5,195	3,440	5,170	4,680	5,360	5,270	5,270	4,195	4,995	4,495	5,235	...	...
1050G	7,530	8,990	5.75	13,220	120.00	8,040	9,520	5,610	9,510	8,545	10,040	9,425	9,670	7,550	9,010	8,155	9,635	...	...
1055G	12,470	13,785	5.75	19,755	159.00	13,555	15,000	8,190	14,300	14,630	16,190	14,465	15,220	12,485	13,795	13,710	15,170	...	...
1060G	...	18,210	5.75	24,245	226.00	...	19,795	13,520	20,810	...	21,375	19,430	20,205	...	18,340	...	20,165	...	...
1070G	...	38,760	5.75	50,620	332.00	...	42,040	28,320	40,350	...	45,295	41,150	42,775	...	38,880	...	42,780	...	...

★ See page 15 for General Information and other Reference Notes.  
 ♦ To determine total WR<sup>2</sup> 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 WR<sup>2</sup> and add to coupling WR<sup>2</sup> at minimum BE.  
 \* Values apply to the tube portion only. Flange WR<sup>2</sup> is included in the spacer WR<sup>2</sup> for minimum BE.

**TABLE 20 — Standard Filleted Keyways & Chamfered Keys**

Nominal Bore		Key		Hub Keyway			
Over	Thru	Size (Nominal)	45° Chamfer Suggested	Width	Depth ▲ +.010 to +.020	Fillet Radii	
.438	.562	.125 x .125	.031	.125	} +.002	.062	.016
.562	.875	.187 x .187	.031	.187		} -.000	.093
.875	1.250	.250 x .250	.031	.250	} +.0025		.125
1.250	1.375	.312 x .312	.047	.312		} -.0000	.156
1.375	1.750	.375 x .375	.047	.375	} +.003		.187
1.750	2.250	.500 x .500	.047	.500		} -.000	.250
2.250	2.750	.625 x .625	.078	.625	} +.003		.312
2.750	3.250	.750 x .750	.078	.750		} -.000	.375
3.250	3.750	.875 x .875	.078	.875	} +.0035		.437
3.750	4.500	1.000 x 1.000	.078	1.000		} -.0000	.500
4.500	5.500	1.250 x 1.250	.156	1.250	} +.004		.625
5.500	6.500	1.500 x 1.500	.156	1.500		} -.000	.750
6.500	7.500	1.750 x 1.500	.156	1.750	} +.004		.750
7.500	9.000	2.000 x 1.500	.156	2.000		} -.000	.750
9.000	11.000	2.500 x 1.750	.156	2.500	} +.005		.875
11.000	13.000	3.000 x 2.000	.219	3.000		} -.000	1.000

▲ Shallow keyway depths must be equal or exceed 2/3 of the full keyway depth of the square keys shown above.



# 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.

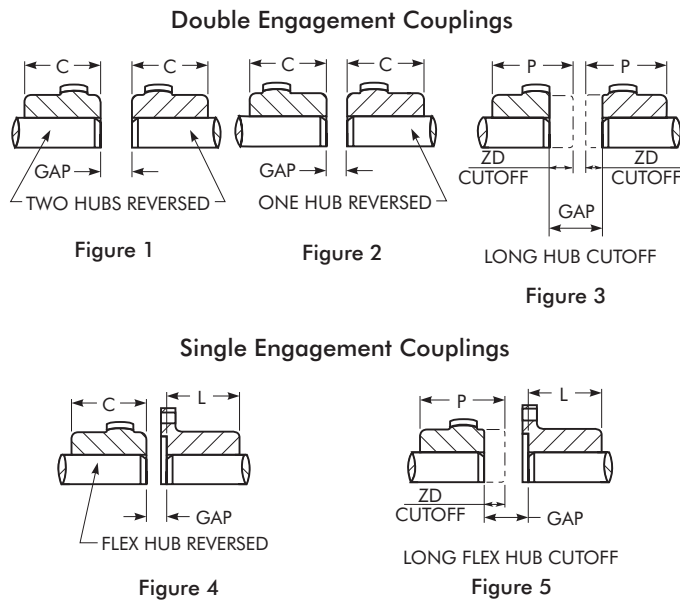
**CAUTION:** The effect of open keyways on coupling balance should always be considered.

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  $1\text{-}1/2^\circ$  per gear mesh. The recommended installation misalignment is limited to  $1/8^\circ$  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.

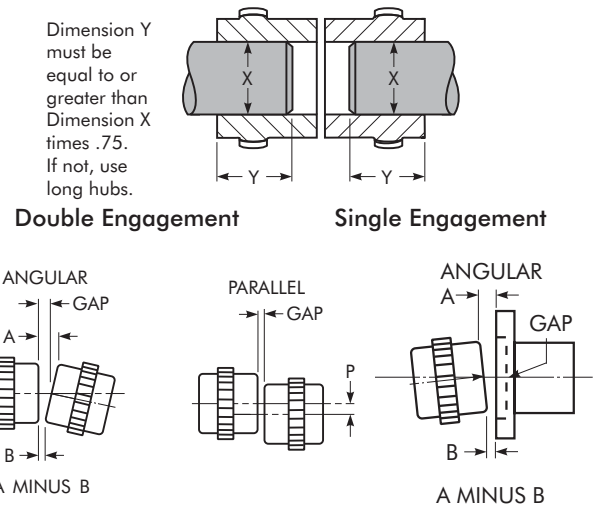


**TABLE 21 — Type G Only Variable Gap**

SIZE ★	C Std	L Std	P Max	ZG Max ◆	Coupling Gap						
					Double Engagement			Single Engagement			
					Std	Fig 1	Fig 2	Fig 3	Std	Fig 4	Fig 5
1010G	1.69	1.56	4.00	.728	.125	.409	.267	1.581	.156	.298	.884
1015G	1.94	1.82	4.50	1.000	.125	1.125	.625	2.125	.156	.656	1.156
1020G	2.44	2.30	5.12	1.160	.125	1.045	.585	2.445	.156	.616	1.316
1025G	3.03	2.90	5.88	1.430	.188	1.328	.758	3.048	.188	.758	1.618
1030G	3.59	3.46	6.50	1.750	.188	1.768	.978	3.688	.188	.978	1.938
1035G	4.19	4.02	7.25	2.130	.250	2.390	1.320	4.510	.218	1.288	2.348
1040G	4.75	4.54	8.00	2.510	.250	3.110	1.680	5.270	.281	1.711	2.791
1045G	5.31	5.14	9.62	2.770	.312	3.372	1.842	5.852	.312	1.842	3.082
1050G	6.03	5.80	11.62	3.220	.312	4.012	2.162	6.752	.344	2.194	3.564
1055G	6.62	6.80	11.75	3.770	.312	5.272	2.792	7.852	.344	2.824	4.114
1060G	7.41	7.34	12.00	4.020	.312	5.012	2.662	8.352	.406	2.756	4.426
1070G	8.69	8.67	12.20	4.730	.375	5.915	3.145	9.835	.500	3.270	5.230

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

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



**TABLE 22 — Misalignment Capacity \***

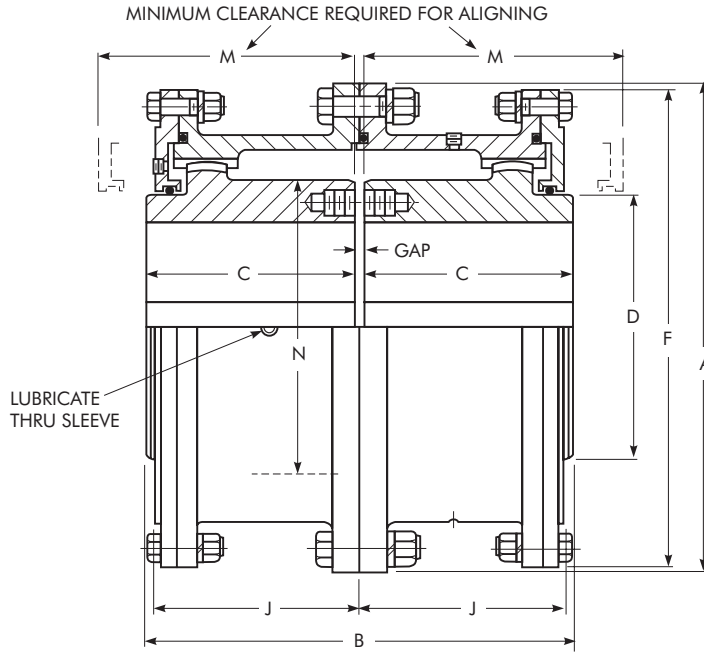
SIZE ★	Double Engagement				Single Engagement ▲	
	Recommended Installation Maximum		Maximum Operating *		Angular Maximum Inches	
	Parallel Offset-in. P	Angular Inches A Minus B	Parallel Offset-in. P	Angular Inches A Minus B	Recommended Installation A Minus B	Maximum Operating * A Minus B
1010G	.002	.006	.026	.071	.006	.035
1010GC	.002	.003	.011	.071	.006	.035
1015G	.003	.007	.034	.089	.007	.045
1015GC	.002	.007	.017	.089	.007	.045
1020G	.003	.009	.040	.108	.009	.054
1020GC	.002	.009	.019	.108	.009	.054
1025G	.004	.011	.050	.135	.011	.067
1025GC	.002	.011	.024	.135	.011	.067
1030G	.005	.013	.060	.157	.013	.079
1030GC	.002	.013	.027	.157	.013	.079
1035G	.006	.015	.072	.183	.015	.092
1035GC	.003	.013	.032	.183	.015	.092
1040G	.007	.018	.084	.216	.018	.108
1045G	.008	.020	.094	.242	.020	.121
1050G	.009	.022	.107	.262	.022	.131
1055G	.011	.024	.123	.288	.024	.144
1060G	.011	.026	.132	.314	.026	.157
1070G	.013	.031	.155	.367	.031	.183

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

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

# Type G20 Large Flanged Sleeve

## Double Engagement/Dimensions — Inches



SIZE ★	Torque Rating lb-in (millions) †		Allow Speed rpm ‡	Max Bore One Rect Key ●	Min Bore ■	Cplg Wt With No Bore-lb	Lube Wt lb	A	B	C	D	F	J	M	N	Gap
	1000 Series	2000 Series														
1080/2080G	1.506	2.070	1,750	10.50	4.000	1550	21	23.25	20.02	9.82	14.00	22.50	9.56	11.81	14.50	.375
1090/2090G	1.997	2.791	1,550	11.25	4.500	2170	27	26.00	22.26	10.88	15.50	25.25	10.44	12.88	16.50	.500
1100/2100G	2.747	3.919	1,450	12.75	5.000	2870	33	28.00	24.50	12.00	17.50	27.50	11.56	14.00	18.50	.500
1110/2110G	3.654	5.393	1,330	14.00	5.500	3700	39	30.50	26.74	13.12	19.50	29.50	12.69	15.12	20.50	.500
1120/2120G	4.914	6.880	1,200	15.25	6.000	4660	46	33.00	28.26	13.88	21.50	32.50	13.44	15.88	22.50	.500
1130/2130G	6.363	8.190	1,075	16.25	6.500	5720	72	35.88	29.99	14.62	23.00	34.88	14.25	17.12	24.00	.750
1140/2140G	8.064	10.080	920	17.75	7.000	6850	73	38.00	31.71	15.48	25.00	37.00	14.88	18.00	26.00	.750
1150/2150G	9.702	11.970	770	19.00	7.500	8300	90	40.50	33.75	16.50	27.00	39.50	16.06	19.00	28.00	.750
1160/2160G	11.592	14.490	650	21.00 ♦	10.000	10380	95	43.75	35.75	17.375	29.00	42.75	16.50	19.75	30.00 ♦	1.000
1180/2180G	14.679	18.900	480	24.25 ♦	11.250	13800	110	48.00	37.00	18.00	33.00	47.00	17.12	20.50	34.00 ♦	1.000
1200/2200G	18.963	25.200	370	27.00 ♦	12.500	18920	150	53.50	43.25	21.125	36.50	51.50	20.25	25.00	38.00 ♦	1.000
1220/2220G	24.066	31.500	290	30.00 ♦	13.750	25760	235	59.50	47.00	23.00	40.00	58.00	22.25	27.00	42.00 ♦	1.000
1240/2240G	30.744	39.690	270	33.75 ♦	15.000	32200	240	64.25	50.50	24.75	44.50	62.25	23.88	28.50	46.00 ♦	1.000
1260/2260G	39.753	48.510	250	37.00 ♦	16.250	39240	270	68.75	54.00	26.50	48.50	66.75	25.50	30.50	50.00 ♦	1.000
1280/2280G	51.660	59.850	230	39.00 ♦	17.500	46720	300	73.50	55.48	27.24	52.50	71.00	26.25	31.25	54.00 ♦	1.000
1300/2300G	59.850	72.450	220	42.00 ♦	18.750	54690	330	77.75	57.00	28.00	56.50	75.25	27.00	31.50	58.00 ♦	1.000

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

♦ Reduced shank diameter hubs are available where required bore permits. See Table 33, Page 54 for selection.

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

SIZE	B	End Float ♦	Gap Disc *		Gap
			Thickness	Dia	
1080/2080G	20.36	.188	.625	16.38	.719
1090/2090G	22.73	.188	.875	18.50	.969
1100/2100G	24.97	.188	.875	20.50	.969
1110/2110G	27.21	.188	.875	22.38	.969
1120/2120G	28.73	.188	.875	24.50	.969
1130/2130G	30.65	.188	1.312	26.62	1.406
1140/2140G	32.37	.188	1.312	28.62	1.406
1150/2150G	34.41	.188	1.312	30.62	1.406

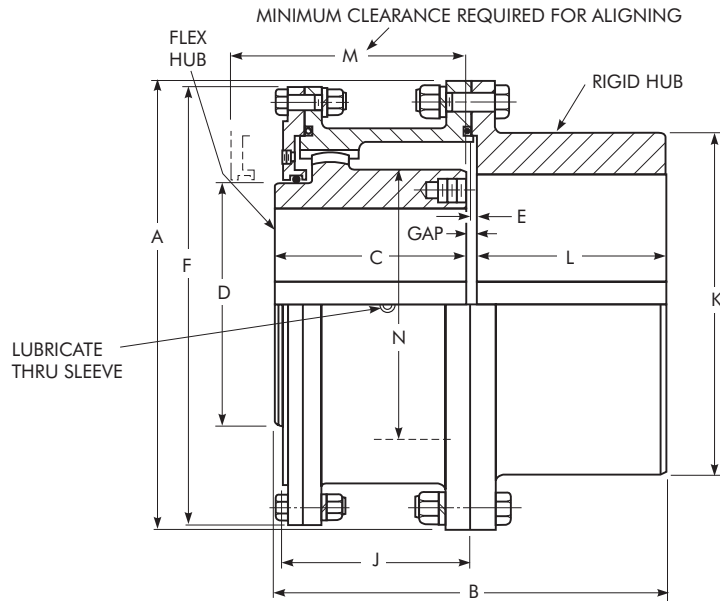
♦ If this value exceeds one-half rotor end float or equivalent manufacturer's specifications, refer to the Factory.

\* Gap disc material: Neoprene, 70 durometer.

# Type G52 Large Flanged Sleeve

## Single Engagement/Dimensions — Inches

**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 lb-in (millions) †		Allow Speed rpm ‡	Max Bore One Rect Key •		Min Bore ■	Cplg Wt With No Bore-lb	Lube Wt lb	A	B	C	D	E	F	J	K*	L	M	N	Gap
	1000 Series	2000 Series		Flex Hub	Rigid Hub															
	<b>1080/2080G</b>	1.506		2.070	1,750															
<b>1090/2090G</b>	1.997	2.791	1,550	11.25	15.00	4.500	2170	14	26.00	22.30	10.88	15.50	.32	25.25	10.44	20.00	10.86	12.88	16.50	.56
<b>1100/2100G</b>	2.747	3.919	1,450	12.75	15.50	5.000	2760	17	28.00	24.62	12.00	17.50	.38	27.50	11.56	20.88	12.00	14.00	18.50	.62
<b>1110/2110G</b>	3.654	5.393	1,330	14.00	17.25	5.500	3610	20	30.50	26.86	13.12	19.50	.38	29.50	12.69	23.00	13.12	15.12	20.50	.62
<b>1120/2120G</b>	4.914	6.880	1,200	15.25	19.00	6.000	4580	24	33.00	28.37	13.88	21.50	.38	32.50	13.44	25.50	13.87	15.88	22.50	.62
<b>1130/2130G</b>	6.363	8.190	1,075	16.25	20.75	6.500	5670	37	35.88	29.99	14.62	23.00	.38	34.88	14.25	27.88	14.62	17.12	24.00	.75
<b>1140/2140G</b>	8.064	10.080	920	17.75	22.00	7.000	6750	38	38.00	31.73	15.48	25.00	.38	37.00	14.88	29.50	15.50	18.00	26.00	.75
<b>1150/2150G</b>	9.702	11.970	770	19.00	24.00	7.500	8270	46	40.50	33.75	16.50	27.00	.38	39.50	16.06	32.00	16.50	19.00	28.00	.75
<b>1160/2160G</b>	11.592	14.490	650	21.00 ♦	26.00 ♦	10.000	10210	48	43.75	35.76	17.375	29.00	.50	42.75	16.50	34.88 ♦	17.38	19.75	30.00 ♦	1.00
<b>1180/2180G</b>	14.679	18.900	480	24.25 ♦	30.00 ♦	11.250	13380	56	48.00	37.00	18.00	33.00	.50	47.00	17.12	39.12 ♦	18.00	20.50	34.00 ♦	1.00
<b>1200/2200G</b>	18.963	25.200	370	27.00 ♦	33.25 ♦	12.500	18700	76	53.50	43.25	21.125	36.50	.50	51.50	20.25	43.12 ♦	21.12	25.00	38.00 ♦	1.00
<b>1220/2220G</b>	24.066	31.500	290	30.00 ♦	38.00 ♦	13.750	25750	120	59.50	47.12	23.00	40.00	.62	58.00	22.25	49.00 ♦	23.00	27.00	42.00 ♦	1.12
<b>1240/2240G</b>	30.744	39.690	270	33.75 ♦	40.00 ♦	15.000	31720	125	64.25	50.62	24.75	44.50	.62	62.25	23.88	51.76 ♦	24.75	28.50	46.00 ♦	1.12
<b>1260/2260G</b>	39.753	48.510	250	37.00 ♦	43.50 ♦	16.250	39070	135	68.75	54.12	26.50	48.50	.62	66.75	25.50	56.00 ♦	26.50	30.50	50.00 ♦	1.12
<b>1280/2280G</b>	51.660	59.850	230	39.00 ♦	46.25 ♦	17.500	46540	155	73.50	55.60	27.24	52.50	.62	71.00	26.25	60.26 ♦	27.24	31.25	54.00 ♦	1.12
<b>1300/2300G</b>	59.850	72.450	220	42.00 ♦	50.00 ♦	18.750	54480	170	77.75	57.12	28.00	56.50	.62	75.25	27.00	64.50 ♦	28.00	31.50	58.00 ♦	1.12

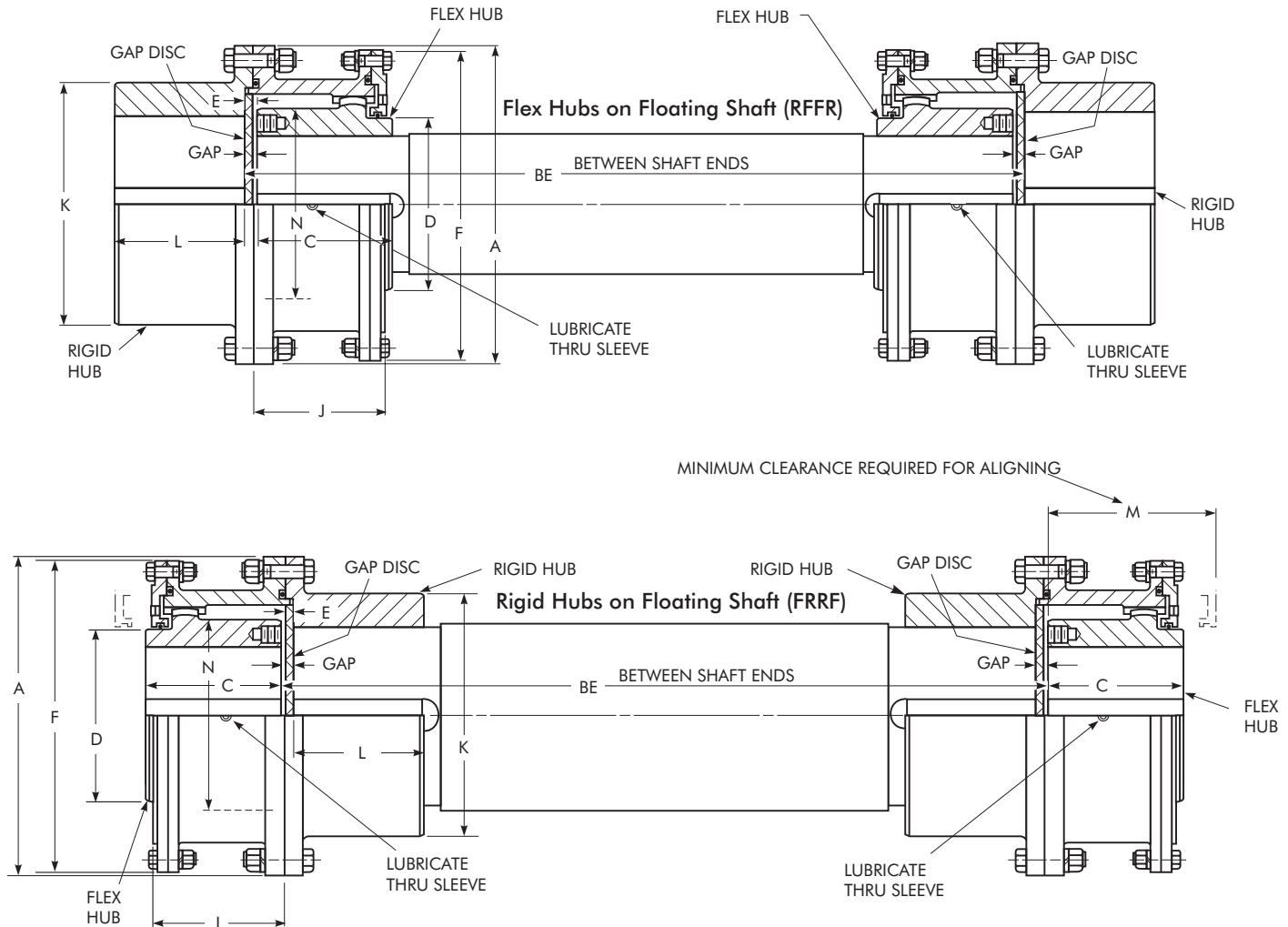
★ See page 15 for General Information and other Reference Notes.

♦ Reduced shank diameter hubs are available where required bore permits. See Table 33, Page 54 for selection.

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

# Type G52 Large Flanged Sleeve

## Floating Shaft Single Engagement/Dimensions — Inches



SIZE ★	Torque Rating lb-in (millions) †		Allow Speed rpm ▲	Max Bore • One Rect Key		Cplg Wt With No Bore-lb	Lube Wt lb	BE Min			C	D	E	F	J	K*	L	M	N	Gap
	1000 Series	2000 Series		Flex Hub	Rigid Hub			A	RFFR	RRRF										
									RFFR	RRRF										
1080/2080G	1.506	2.070	1,300	10.50	13.25	1540	11	23.25	30.50	21.62	9.82	14.00	.32	22.50	9.56	17.75	9.80	11.81	14.50	.50
1090/2090G	1.997	2.791	1,160	11.25	15.00	2170	14	26.00	32.50	23.88	10.88	15.50	.32	25.25	10.44	20.00	10.86	12.88	16.50	.56
1100/2100G	2.747	3.919	1,090	12.75	15.50	2760	17	28.00	36.50	26.25	12.00	17.50	.38	27.50	11.56	20.88	12.00	14.00	18.50	.62
1110/2110G	3.654	5.393	1,000	14.00	17.25	3610	20	30.50	40.50	28.50	13.12	19.50	.38	29.50	12.69	23.00	13.12	15.12	20.50	.62
1120/2120G	4.914	6.880	900	15.25	19.00	4580	24	33.00	43.50	30.00	13.88	21.50	.38	32.50	13.44	25.50	13.87	15.88	22.50	.62
1130/2130G	6.363	8.190	800	16.25	20.75	5670	37	35.88	44.50	31.75	14.62	23.00	.38	34.88	14.25	27.88	14.62	17.12	24.00	.75
1140/2140G	8.064	10.080	700	17.75	22.00	6750	38	38.00	46.50	33.50	15.48	25.00	.38	37.00	14.88	29.50	15.50	18.00	26.00	.75
1150/2150G	9.702	11.970	580	19.00	24.00	8270	46	40.50	51.00	35.50	16.50	27.00	.38	39.50	16.06	32.00	16.50	19.00	28.00	.75
1160/2160G	11.592	14.490	490	21.00 ♦	26.00 ♦	10210	48	43.75	52.00	37.75	17.38	29.00	.50	42.75	16.50	34.88 ♦	17.38	19.75	30.00 ♦	1.00
1180/2180G	14.679	18.900	360	24.25 ♦	30.00 ♦	13380	56	48.00	53.50	39.00	18.00	33.00	.50	47.00	17.12	39.12 ♦	18.00	20.50	34.00 ♦	1.00
1200/2200G	18.963	25.200	280	27.00 ♦	33.25 ♦	18700	76	53.50	65.00	45.25	21.12	36.50	.50	51.50	20.25	43.12 ♦	21.12	25.00	38.00 ♦	1.00
1220/2220G	24.066	31.500	220	30.00 ♦	38.00 ♦	25750	120	59.50	72.00	49.25	23.00	40.00	.62	58.00	22.25	49.00 ♦	23.00	27.00	42.00 ♦	1.12
1240/2240G	30.744	39.690	200	33.75 ♦	40.00 ♦	31720	125	64.25	78.50	52.75	24.75	44.50	.62	62.25	23.88	51.76 ♦	24.75	28.50	46.00 ♦	1.12
1260/2260G	39.753	48.510	190	37.00 ♦	43.50 ♦	39070	135	68.75	85.00	56.25	26.50	48.50	.62	66.75	25.50	56.00 ♦	26.50	30.50	50.00 ♦	1.12
1280/2280G	51.660	59.850	175	39.00 ♦	46.25 ♦	46540	155	73.50	87.50	57.25	27.24	52.50	.62	71.00	26.25	60.26 ♦	27.24	31.25	54.00 ♦	1.12
1300/2300G	59.850	72.450	165	42.00 ♦	50.00 ♦	54480	170	77.75	90.00	59.25	28.00	56.50	.62	75.25	27.00	64.50 ♦	28.00	31.50	58.00 ♦	1.12

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

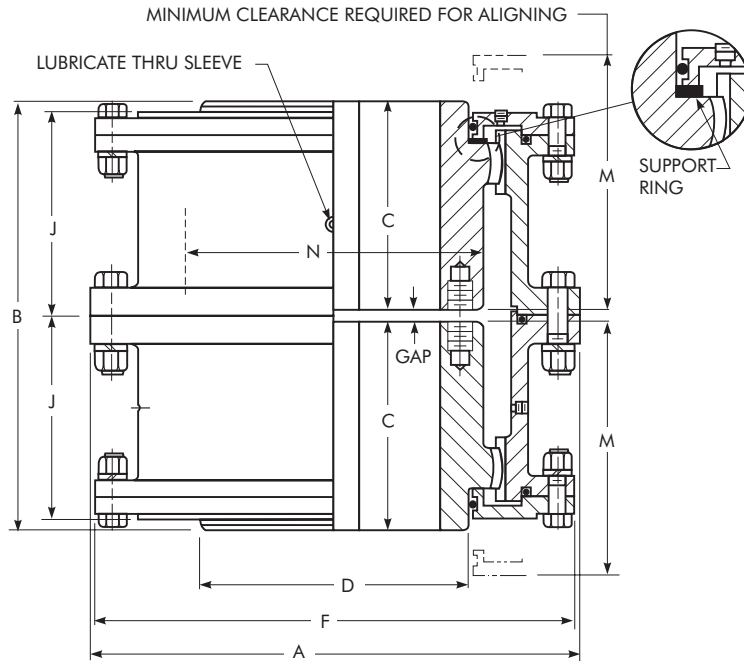
♦ Reduced shank diameter hubs are available when required bore permits. See Table 33, Page 54 for selection.

\* Dimension K may be an "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.

# Type GV20 Large Flanged Sleeve

## Vertical Double Engagement/Dimensions — Inches



SIZE ★	Torque Rating lb-in (millions) †		Allow Speed rpm ‡	Max Bore One Rect Key ●	Min Bore ■	Cplg Wt With No Bore-lb	Lube Wt lb	A	B	C	D	F	J	M	N	Gap
	1000 Series	2000 Series														
1080/2080GV	1.506	2.070	1,750	10.50	4.000	1550	28	23.25	20.02	9.82	14.00	22.50	9.56	11.81	14.50	.375
1090/2090GV	1.997	2.791	1,550	11.25	4.500	2170	37	26.00	22.26	10.88	15.50	25.25	10.44	12.88	16.50	.500
1100/2100GV	2.747	3.919	1,450	12.75	5.000	2870	46	28.00	24.50	12.00	17.50	27.50	11.56	14.00	18.50	.500
1110/2110GV	3.654	5.393	1,330	14.00	5.500	3700	54	30.50	26.74	13.12	19.50	29.50	12.69	15.12	20.50	.500
1120/2120GV	4.914	6.880	1,200	15.25	6.000	4660	66	33.00	28.26	13.88	21.50	32.50	13.44	15.88	22.50	.500
1130/2130GV	6.363	8.190	1,075	16.25	6.500	5720	98	35.88	29.99	14.62	23.00	34.88	14.25	17.12	24.00	.750
1140/2140GV	8.064	10.080	920	17.75	7.000	6850	109	38.00	31.71	15.48	25.00	37.00	14.88	18.00	26.00	.750
1150/2150GV	9.702	11.970	770	19.00	7.500	8300	131	40.50	33.75	16.50	27.00	39.50	16.06	19.00	28.00	.750
1160/2160GV	11.592	14.490	650	21.00 ♦	10.000	10380	311	43.75	35.75	17.38	29.00	42.75	16.50	19.75	30.00 ♦	1.000
1180/2180GV	14.679	18.900	480	24.25 ♦	11.250	13800	370	48.00	37.00	18.00	33.00	47.00	17.12	20.50	34.00 ♦	1.000
1200/2200GV	18.963	25.200	370	27.00 ♦	12.500	18920	500	53.50	43.25	21.12	36.50	51.50	20.25	25.00	38.00 ♦	1.000
1220/2220GV	24.066	31.500	290	30.00 ♦	13.750	25760	703	59.50	47.00	23.00	40.00	58.00	22.25	27.00	42.00 ♦	1.000
1240/2240GV	30.744	39.690	270	33.75 ♦	15.000	32200	751	64.25	50.50	24.75	44.50	62.25	23.88	28.50	46.00 ♦	1.000
1260/2260GV	39.753	48.510	250	37.00 ♦	16.250	39240	887	68.75	54.00	26.50	48.50	66.75	25.50	30.50	50.00 ♦	1.000
1280/2280GV	51.660	59.850	230	39.00 ♦	17.500	46720	991	73.50	55.48	27.24	52.50	71.00	26.25	31.25	54.00 ♦	1.000
1300/2300GV	59.850	72.450	220	42.00 ♦	18.750	54690	1101	77.75	57.00	28.00	56.50	75.25	27.00	31.50	58.00 ♦	1.000

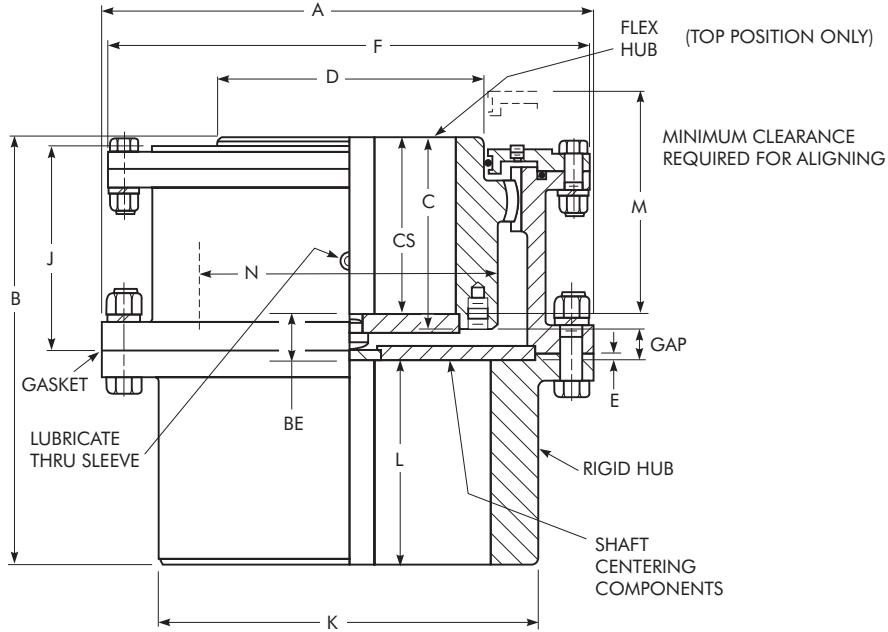
★ See page 15 for General Information and other Reference Notes.

♦ Reduced shank diameter hubs are available where required bore permits. See Table 33, Page 54, for selections.

# Type GV52 Large Flanged Sleeve

## Vertical Single Engagement/Dimensions — Inches

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



SIZE ★	Torque Rating lb-in (millions) †		Allow Speed rpm ‡	Max Bore ♦ One Rect. Key		Min Bore Both Hubs ■	Cplg Wt With No Bore- lb	Lube Wt lb	A	B	C	D	E	F	J	K*	L	M	N	BE	CS	Gap
	1000 Series	2000 Series		Flex Hub	Rigid Hub																	
	1080/2080G	1.506		2.070	1,750																	
1090/2090G	1.997	2.791	1,550	11.25	15.00	4.50	2170	14	26.00	22.33	10.31	15.50	.31	25.25	10.44	20.00	10.86	12.38	16.50	1.66	9.81	1.16
1100/2100G	2.747	3.919	1,450	12.75	15.50	5.00	2760	17	28.00	24.62	11.37	17.50	.38	27.50	11.56	20.88	12.00	13.38	18.50	1.90	10.75	1.28
1110/2110G	3.654	5.393	1,330	14.00	17.25	5.50	3610	20	30.50	26.88	12.49	19.50	.38	29.50	12.69	23.00	13.12	14.50	20.50	1.90	11.87	1.28
1120/2120G	4.914	6.880	1,200	15.25	19.00	6.00	4580	24	33.00	28.40	13.25	21.50	.38	32.50	13.44	25.50	13.87	15.25	22.50	1.90	12.63	1.28
1130/2130G	6.363	8.190	1,075	16.25	20.75	6.50	5670	37	35.88	30.00	13.86	23.00	.38	34.88	14.25	27.88	14.62	16.50	24.00	2.16	13.24	1.54
1140/2140G	8.064	10.080	920	17.75	22.00	7.00	6750	38	38.00	31.75	14.72	25.00	.38	37.00	14.88	29.50	15.50	17.38	26.00	2.16	14.10	1.54
1150/2150G	9.702	11.970	770	19.00	24.00	7.50	8270	46	40.50	33.75	15.74	27.00	.38	39.50	16.06	32.00	16.50	18.38	28.00	2.16	15.12	1.54
1160/2160G	11.592	14.490	650	21.00 ♦	26.00 ♦	10.00	10210	48	43.75	35.75	16.38	29.00	.50	42.75	16.50	34.88 ♦	17.38	19.00	30.00 ♦	2.77	15.63	2.02
1180/2180G	14.679	18.900	480	24.25 ♦	30.00 ♦	11.25	13380	56	48.00	37.00	17.00	33.00	.50	47.00	17.12	39.12 ♦	18.00	19.75	34.00 ♦	2.77	16.25	2.02
1200/2200G	18.963	25.200	370	27.00 ♦	33.25 ♦	12.50	18700	76	53.50	43.25	20.12	36.50	.50	51.50	20.25	43.12 ♦	21.12	24.25	38.00 ♦	2.77	19.38	2.02
1220/2220G	24.066	31.500	290	30.00 ♦	38.00 ♦	13.75	25750	120	59.50	47.12	21.88	40.00	.62	58.00	22.25	49.00 ♦	23.00	26.00	42.00 ♦	3.28	20.88	2.28
1240/2240G	30.744	39.690	270	33.75 ♦	40.00 ♦	15.00	31720	125	64.25	50.62	23.62	44.50	.62	62.25	23.88	51.76 ♦	24.75	27.50	46.00 ♦	3.28	22.62	2.28
1260/2260G	39.753	48.510	250	37.00 ♦	43.50 ♦	16.25	39070	135	68.75	54.12	25.38	48.50	.62	66.75	25.50	56.00 ♦	26.50	29.50	50.00 ♦	3.27	24.38	2.27
1280/2280G	51.660	59.850	230	39.00 ♦	46.25 ♦	17.50	46540	155	73.50	55.62	26.12	52.50	.62	71.00	26.25	60.26 ♦	27.24	30.25	54.00 ♦	3.27	25.12	2.27
1300/2300G	59.850	72.450	220	42.00 ♦	50.00 ♦	18.75	54480	170	77.75	57.12	26.88	56.50	.62	75.25	27.00	64.50 ♦	28.00	30.50	58.00 ♦	3.27	25.88	2.27

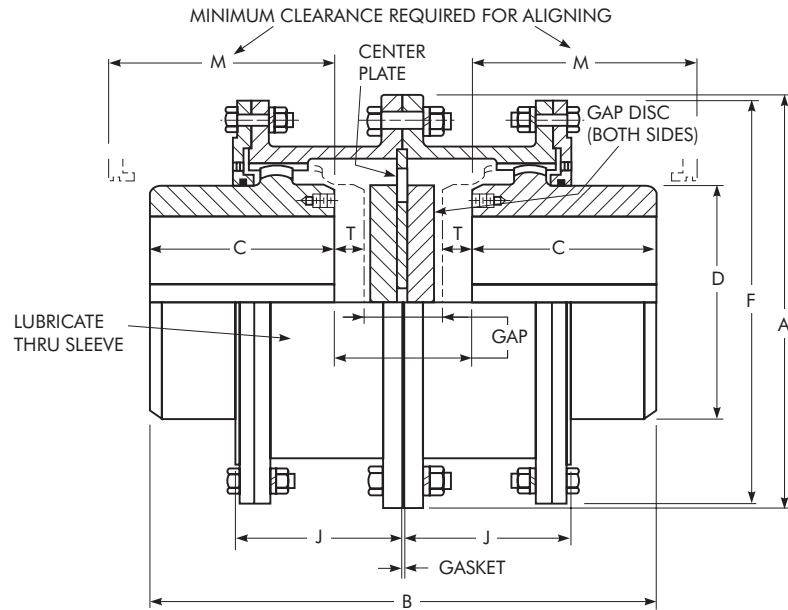
★ See page 15 for General Information and other Reference Notes. Downward thrust capacity of lower supporting button for Sizes 1080 and larger is 87,000 pounds.

♦ Reduced shank diameter hubs are available where required bore permits. See Table 33, Page 54, for selections.

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

# Type GL20-4 Large Flanged Sleeve

## Slide Double Engagement/Dimensions — Inches

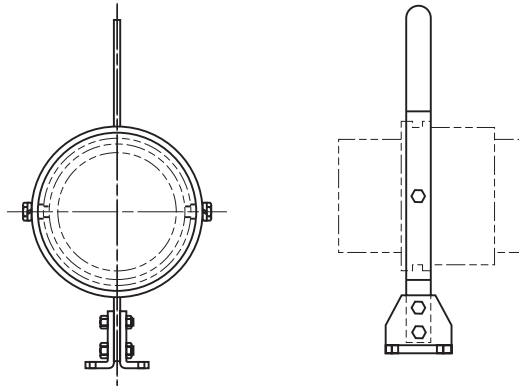
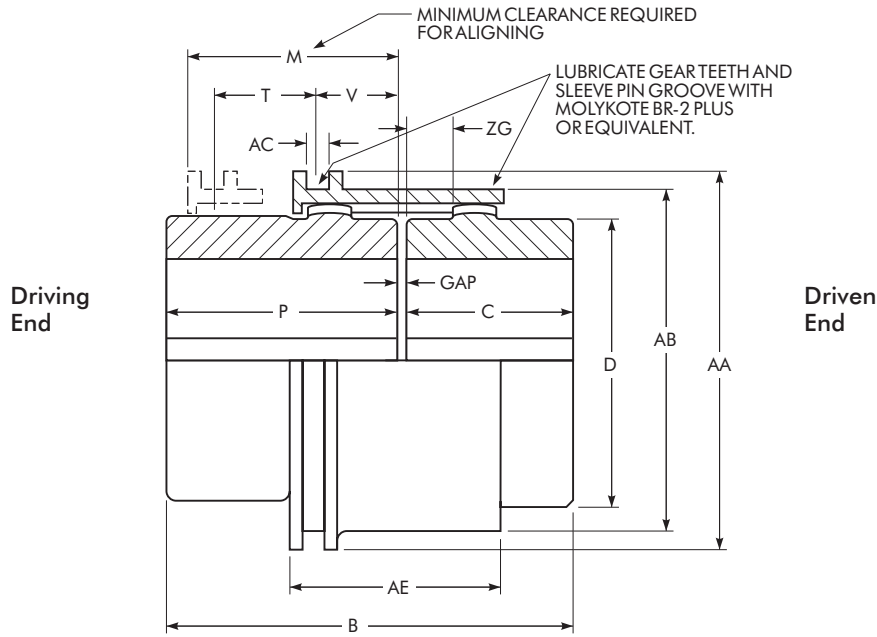


SIZE ★	Torque Rating lb-in (millions) †		Allow Speed rpm ‡	Max Bore One Rect Key ●	Min Bore ■	Cplg Wt With No Bore lb	Lube Wt lb	A	B Max	C	D	F	J	M	T (Max)		Gap	
	1000 Series	2000 Series													Each	Total	Min	Max
	1080/2080GL	1.506													2.070	1,160	10.50	4.00
1090/2090GL	1.997	2.791	1,030	11.25	4.50	2080	27	26.00	31.22	10.88	15.50	25.25	10.44	12.88	.90	1.80	7.66	9.46
1100/2100GL	2.747	3.919	960	12.75	5.00	2750	33	28.00	35.18	12.00	17.50	27.50	11.56	14.00	.83	1.66	9.52	11.18
1110/2110GL	3.654	5.393	880	14.00	5.50	3550	39	30.50	39.14	13.12	19.50	29.50	12.69	15.12	.75	1.50	11.40	12.90
1120/2120GL	4.914	6.880	800	15.25	6.00	4490	46	33.00	41.78	13.88	21.50	32.50	13.44	15.88	.75	1.50	12.52	14.02

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

# Type G70

## Disconnect/Dimensions — Inches



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

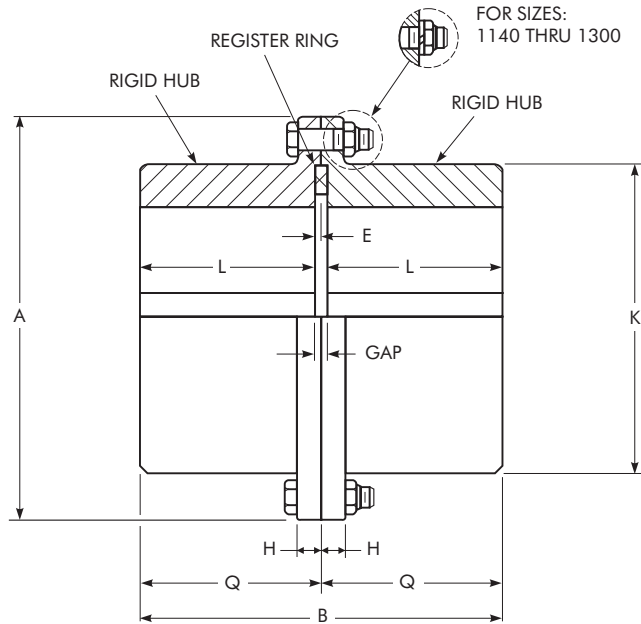
SIZE ★	Torque Rating lb-in (millions) †	Allow Speed rpm ‡	Max Bore One Rect. Key ●	Min Bore ■	Cplg Wt With No Bore lb	B	C	D	M	P	T	V	AA	AB	AC	AE	ZG	Gap
<b>1080G</b>	1.506	110	10.50	4.00	1098	20.00	9.82	14.50	9.00	9.82	4.26	3.48	19.36	18.16	.76	8.50	1.63	.375
<b>1090G</b>	1.997	100	11.25	4.50	1538	22.02	10.88	16.50	10.38	10.64	5.14	3.74	21.90	20.30	1.00	9.88	2.08	.500
<b>1100G</b>	2.747	90	12.75	5.00	2108	24.50	12.00	18.50	11.14	12.00	5.40	4.24	23.90	22.30	1.00	10.64	2.08	.500
<b>1110G</b>	3.654	80	14.00	5.50	2769	26.74	13.12	20.50	11.66	13.12	5.66	4.50	25.80	24.20	1.00	11.16	2.08	.500
<b>1120G</b>	4.914	75	15.25	6.00	3436	27.66	13.88	22.50	11.50	13.28	5.88	4.12	28.00	26.40	1.00	11.00	2.06	.500
<b>1130G</b>	6.363	70	16.25	6.50	3922	27.44	13.34	24.00	11.36	13.34	5.58	4.04	30.64	28.64	1.24	10.86	1.26	.750
<b>1140G</b>	8.064	65	17.75	7.00	4690	28.32	13.78	26.00	11.36	13.78	5.58	4.04	32.60	30.60	1.24	10.86	1.06	.750
<b>1150G</b>	9.702	60	19.00	7.50	5782	30.32	14.78	28.00	11.36	14.78	5.58	4.04	34.74	32.74	1.24	10.86	.84	.750

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



# Type G82 Large Flanged Sleeve

## Rigid/Dimensions — Inches



SIZE ★	Torque Rating lb-in (millions) †	Allow Speed rpm ‡	Max Bore One Rect Key ●	Min Bore ■	Cplg Wt With No Bore-lb	A	B	E	H	K*	L	Q	Gap
1080G	1.506	1,750	13.25	4.00	1540	23.25	20.24	.32	1.24	17.75	9.80	10.12	.64
1090G	1.997	1,550	15.00	4.50	2170	26.00	22.36	.32	1.50	20.00	10.86	11.18	.64
1100G	2.747	1,450	15.50	5.00	2660	28.00	24.76	.38	1.74	20.88	12.00	12.38	.76
1110G	3.654	1,330	17.25	5.50	3530	30.50	27.00	.38	2.00	23.00	13.12	13.50	.76
1120G	4.914	1,200	19.00	6.00	4520	33.00	28.50	.38	2.12	25.50	13.87	14.25	.76
1130G	6.363	1,075	20.75	6.50	5640	35.88	30.00	.38	2.12	27.88	14.62	15.00	.76
1140G	8.064	920	22.00	7.00	6680	38.00	31.76	.38	2.12	29.50	15.50	15.88	.76
1150G	9.702	770	24.00	7.50	8260	40.50	33.76	.38	2.12	32.00	16.50	16.88	.76
1160G	11.592	650	26.00 ♦	10.00	10320	43.75	35.76	.50	2.25	34.88 ♦	17.38	17.88	1.00
1180G	14.679	480	30.00 ♦	11.25	13280	48.00	37.00	.50	2.25	39.12 ♦	18.00	18.50	1.00
1200G	18.963	370	33.25 ♦	12.50	18900	53.50	43.24	.50	2.50	43.12 ♦	21.12	21.62	1.00
1220G	24.066	290	38.00 ♦	13.75	26220	59.50	47.24	.62	2.50	49.00 ♦	23.00	23.62	1.24
1240G	30.744	270	40.00 ♦	15.00	32020	64.25	50.74	.62	3.00	51.76 ♦	24.75	25.38	1.24
1260G	39.753	250	43.50 ♦	16.25	39760	68.75	54.24	.62	3.00	56.00 ♦	26.50	27.12	1.24
1280G	51.660	230	46.25 ♦	17.50	47340	73.50	55.72	.62	3.24	60.26 ♦	27.24	27.86	1.24
1300G	59.850	220	50.00 ♦	18.75	55390	77.75	57.24	.62	3.24	64.50 ♦	28.00	28.62	1.24

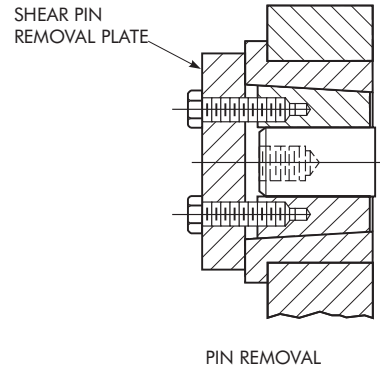
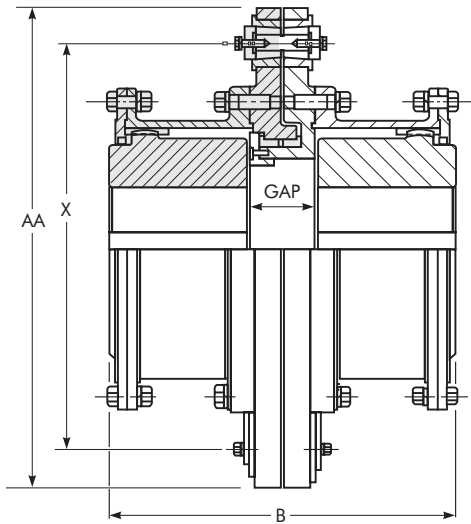
★ See page 15 for General Information and other Reference Notes.

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

\* For standard shank diameter hubs.

# Type GR20 Large Flanged Sleeve

## Shear Pin Double Engagement/Dimensions — Inches



SIZE ★	1000 Series		2000 Series		Allow Speed rpm ‡	Max Bore One Rect Key ●	Min Bore ■	Approximate Values—Inches			
	Shear Torque lb-in x 10 <sup>6</sup>		Shear Torque lb-in x 10 <sup>6</sup>					AA	X	Gap	B
	Min	Max	Min	Max							
1080/2080GR	.46	2.08	.72	3.24	880	10.500	4.000	39.0	32.0	4.76	24.40
1090/2090GR	.63	2.82	.95	4.38	780	11.250	4.500	42.0	35.0	5.00	26.76
1100/2100GR	.88	3.97	1.38	6.16	730	12.750	5.000	44.0	37.0	5.76	29.76
1110/2110GR	1.21	5.46	1.9	8.5	670	14.000	5.500	46.0	39.0	6.50	32.74
1120/2120GR	1.56	7.04	2.4	10.8	600	15.250	6.000	49.0	42.0	7.00	34.76
1130/2130GR	1.91	8.7	2.89	13.02	540	16.250	6.500	53.0	45.0	7.26	36.50
1140/2140GR	2.28	10.3	3.57	16.07	460	17.750	7.000	55.5	47.0	7.76	38.76
1150/2150GR	2.65	11.9	4.07	18.31	390	19.000	7.500	58.5	49.5	8.00	41.00
1160/2160GR	3.4	15.1	5.05	22.73	330	21.000	10.000	63.0	53.0	9.00	43.76
1180/2180GR	4.41	19.78	6.61	29.67	240	24.250	11.250	65.0	57.0	9.50	45.50
1200/2200GR	5.73	26.70	8.82	39.56	190	27.000	12.500	71.0	63.0	10.26	52.50
1220/2220GR	7.50	33.63	11.02	49.45	150	30.000	13.750	76.0	68.0	10.76	56.76
1240/2240GR	9.26	41.54	13.89	62.31	140	33.750	15.000	81.0	73.0	12.00	61.50
1260/2260GR	11.46	51.43	16.98	76.16	130	37.000	16.250	86.0	78.0	12.76	65.76
1280/2280GR	13.67	61.32	20.95	93.96	120	39.000	17.500	91.0	83.0	13.26	67.76
1300/2300GR	16.54	74.18	25.36	113.75	110	42.000	18.750	95.0	87.0	14.26	70.26

★ See Page 15 for General Information and Reference Notes.

# Engineering Data — Large Flanged Sleeve

**TABLE 24 — Recommended Commercial Keys for Bores with One & Two Keys — Inches (Per ANSI B17.1 Standard)**

Shaft Diameter		One Key	Shaft Diameter		Two Keys
Over	Thru		Over	Thru	
3.750	4.500	1.000 x 1.000	9.000	10.500	1.500 x 1.000
4.500	5.500	1.250 x 1.250	10.500	12.000	1.750 x 1.500
5.500	6.500	1.500 x 1.500	12.000	13.500	2.000 x 1.500
6.500	7.500	1.750 x 1.500	13.500	16.000	2.500 x 1.750
7.500	9.000	2.000 x 1.500	16.000	19.500	3.000 x 2.000
9.000	11.000	2.500 x 1.750	19.500	23.000	3.500 x 2.500
11.000	13.000	3.000 x 2.000	23.000	28.000	4.000 x 3.000
13.000	15.000	3.500 x 2.500	28.000	34.000	5.000 x 3.500
15.000	18.000	4.000 x 3.000	34.000	41.000	6.000 x 4.000
18.000	22.000	5.000 x 3.500	41.000	49.000	7.000 x 5.000
22.000	26.000	6.000 x 4.000	49.000	55.000	8.000 x 5.500
26.000	30.000	7.000 x 5.000			
30.000	34.000	8.000 x 5.500			
34.000	38.000	9.000 x 6.000			
38.000	42.000	10.000 x 7.000			
42.000	46.000	11.000 x 7.500			
46.000	50.000	12.000 x 8.000			
50.000	54.000	13.000 x 9.000			

# Engineering Data — Large Flanged Sleeve

**TABLE 25 — Type G Large Flanged Sleeve Flexible Hub Maximum Bores — Inches**

SIZE ★	With One Key						With Two Keys						N ◆
	Square Key			Rectangular Key			Square Key			Rectangular Key			
	Max Bore ●	Y = X		Max Bore ●	Y = X		Max Bore ●	Y = X		Max Bore ●	Y = X		
		W	X		W	X		W	X		W	X	
1080/2080G	10.000	2.500	1.250	10.500	2.500	.875	10.500	1.500	.750	10.750	1.750	.750	14.500
1090/2090G	10.500	2.500	1.250	11.250	3.000	1.000	11.250	1.750	.875	12.000	1.750	.750	16.500
1100/2100G	12.000	3.000	1.500	12.750	3.000	1.000	12.750	2.000	1.000	13.500	2.000	.750	18.500
1110/2110G	13.250	3.500	1.750	14.000	3.500	1.250	14.000	2.500	1.250	15.250	2.500	.875	20.500
1120/2120G	14.750	3.500	1.750	15.250	4.000	1.500	15.750	2.500	1.250	16.750	3.000	1.000	22.500
1130/2130G	15.250	4.000	2.000	16.250	4.000	1.500	16.250	3.000	1.500	18.000	3.000	1.000	24.000
1140/2140G	17.000	4.000	2.000	17.750	4.000	1.500	18.000	3.000	1.500	19.500	3.000	1.000	26.000
1150/2150G	18.000	4.000	2.000	19.000	5.000	1.750	19.500	3.000	1.500	21.000	3.500	1.250	28.000
1160/2160G	20.000	5.000	2.500	21.000 ◆	5.000	1.750	21.000	3.500	1.750	23.000	3.500	1.250	30.000
1180/2180G	22.500	6.000	3.000	24.250 ◆	6.000	2.000	24.000	4.000	2.000	25.750	4.000	1.500	34.000
1200/2200G	25.750	6.000	3.000	27.000 ◆	7.000	2.500	27.500	4.000	2.000	28.750	5.000	1.750	38.000
1220/2220G	28.000	7.000	3.500	30.000 ◆	7.000	2.500	29.750	5.000	2.500	31.500	5.000	1.750	42.000
1240/2240G	31.000	8.000	4.000	33.750 ◆	8.000	2.750	33.250	5.000	2.500	35.000	6.000	2.000	46.000
1260/2260G	34.000	8.000	4.000	37.000 ◆	9.000	3.000	35.500	6.000	3.000	38.500	6.000	2.000	50.000
1280/2280G	36.000	9.000	4.500	39.000 ◆	10.000	3.500	39.000	6.000	3.000	41.000	6.000	2.000	54.000
1300/2300G	39.000	10.000	5.000	42.000 ◆	10.000	3.500	41.500	7.000	3.500	44.000	7.000	2.500	58.000

**TABLE 26 — Type G Large Flanged Sleeve Rigid Hub Maximum Bores — Inches**

SIZE ★	With One Key						With Two Keys						K ◆
	Square Key			Rectangular Key			Square Key			Rectangular Key			
	Max Bore ●	Y = X		Max Bore ●	Y = X		Max Bore ●	Y = X		Max Bore ●	Y = X		
		W	X		W	X		W	X		W	X	
1080/2080G	13.000	3.000	1.500	13.250	3.500	1.250	13.250	2.000	1.000	13.750	2.500	.875	17.750
1090/2090G	14.250	3.500	1.750	15.000	3.500	1.250	15.000	2.500	1.250	16.000	2.500	.875	20.000
1100/2100G	15.000	3.500	1.750	15.500	4.000	1.500	15.500	2.500	1.250	16.250	3.000	1.000	20.875
1110/2110G	16.250	4.000	2.000	17.250	4.000	1.500	17.000	3.000	1.500	18.000	3.000	1.000	23.000
1120/2120G	18.000	4.000	2.000	19.000	5.000	1.750	19.000	3.000	1.500	19.750	3.500	1.250	25.500
1130/2130G	19.250	5.000	2.500	20.750	5.000	1.750	20.500	3.500	1.750	21.750	3.500	1.250	27.875
1140/2140G	20.250	5.000	2.500	22.000	5.000	1.750	21.750	3.500	1.750	23.000	3.500	1.250	29.500
1150/2150G	22.000	5.000	2.500	24.000	6.000	2.000	23.500	4.000	2.000	24.750	4.000	1.500	32.000
1160/2160G	24.500	6.000	3.000	26.000	6.000	2.000	26.000	4.000	2.000	27.750	4.000	1.500	34.875
1180/2180G	27.750	7.000	3.500	30.000	7.000	2.500	28.750	5.000	2.500	31.000	5.000	1.750	39.125
1200/2200G	30.500	8.000	4.000	33.250	8.000	2.750	32.500	5.000	2.500	34.000	5.000	1.750	43.125
1220/2220G	35.000	9.000	4.500	38.000	9.000	3.000	37.000	6.000	3.000	39.750	6.000	2.000	49.000
1240/2240G	37.500	9.000	4.500	40.000	10.000	3.500	39.250	6.000	3.000	41.000	6.000	2.000	51.750
1260/2260G	40.000	10.000	5.000	43.500	11.000	3.750	41.500	7.000	3.500	44.500	7.000	2.500	56.000
1280/2280G	42.750	11.000	5.000	46.250	12.000	4.000	45.500	7.000	3.500	48.500	7.000	2.500	60.250
1300/2300G	46.000	11.000	5.500	50.000	12.000	4.000	49.000	7.000	3.500	52.000	8.000	2.750	64.500

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

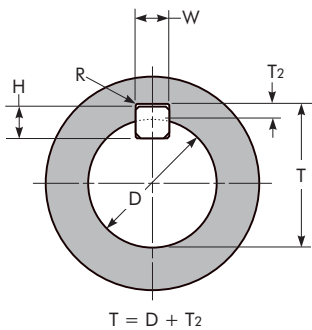
◆ See Table 33, Page 54 for maximum bores of couplings with reduced shank diameter hubs.

■ Shaded areas indicate maximum bores for standard keys recommended in Table 24, Page 51.

**TABLE 27 — 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.

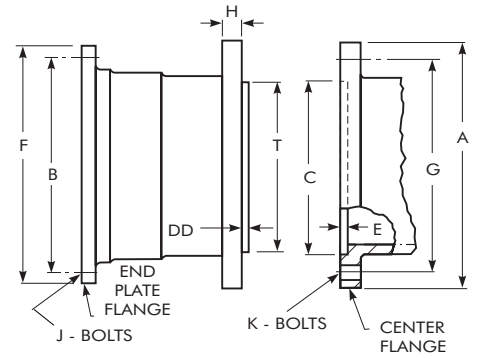


Check Key Stresses

# Engineering Data — Large Flanged Sleeve

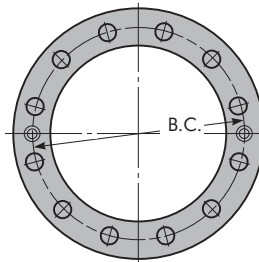
**TABLE 28 — Flange Details**

SIZE	A	B	C	E	DD	F	G	H	J Bolts No. Dia x Length (Per Flange)	K Bolts No. Dia x Length	T
1080/2080G	23.25	20.750	17.375	.31	.25	22.50	20.750	1.25	16- .875 x 3.25	16- 1.125 x 4.125	17.373
1090/2090G	26.00	23.250	19.500	.31	.25	25.25	23.250	1.50	18- 1.000 x 3.50	18- 1.250 x 4.75	19.498
1100/2100G	28.00	25.250	21.500	.38	.31	27.50	25.250	1.75	18- 1.000 x 3.50	18- 1.250 x 5.25	21.498
1110/2110G	30.50	27.500	23.500	.38	.31	29.50	27.500	2.00	18- 1.000 x 3.50	18- 1.500 x 6.00	23.498
1120/2120G	33.00	30.000	25.750	.38	.31	32.50	30.000	2.12	18- 1.125 x 3.50	18- 1.500 x 6.25	25.748
1130/2130G	35.88	32.375	27.875	.38	.31	34.88	32.375	2.12	18- 1.250 x 4.50	18- 1.500 x 6.25	27.873
1140/2140G	38.00	34.500	29.875	.38	.31	37.00	34.500	2.12	18- 1.250 x 4.50	18- 1.750 x 6.50	29.873
1150/2150G	40.50	36.750	32.125	.38	.31	39.50	36.750	2.12	20- 1.250 x 4.50	20- 1.750 x 6.50	32.123
1160/2160G	43.75	39.750	34.000	.50	.38	42.75	39.750	2.25	20- 1.250 x 4.50	20- 2.000 x 7.00	33.996
1180/2180G	48.00	44.000	38.750	.50	.38	47.00	44.000	2.25	22- 1.250 x 4.50	22- 2.000 x 7.00	38.746
1200/2200G	53.50	48.500	42.750	.50	.38	51.50	48.500	2.50	22- 1.500 x 5.00	22- 2.250 x 7.75	42.746
1220/2220G	59.50	54.500	47.750	.62	.50	58.00	54.500	2.50	24- 1.500 x 5.00	24- 2.250 x 7.75	47.746
1240/2240G	64.25	58.250	50.750	.62	.50	62.25	58.250	3.00	22- 1.500 x 5.00	22- 2.750 x 9.75	50.746
1260/2260G	68.75	62.750	54.750	.62	.50	66.75	62.750	3.00	24- 1.500 x 5.00	24- 2.750 x 9.75	54.746
1280/2280G	73.50	67.000	58.750	.62	.50	71.00	67.000	3.25	22- 1.500 x 5.00	22- 3.000 x 10.50	58.746
1300/2300G	77.75	71.250	62.750	.62	.50	75.25	71.250	3.25	24- 1.500 x 5.00	24- 3.000 x 10.50	62.746



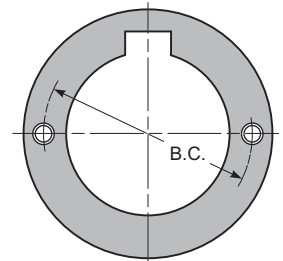
**TABLE 29 — Sleeve Jack Screw Holes**

SIZE	B.C.	Tap Size
1080/2080G	20.750	.875-9 UNC
1090/2090G	23.250	1.000-8 UNC
1100/2100G	25.250	1.000-8 UNC
1110/2110G	27.500	1.000-8 UNC
1120/2120G	30.000	1.125-7 UNC
1130/2130G	32.375	1.250-7 UNC
1140/2140G	34.500	1.250-7 UNC
1150/2150G	36.750	1.250-7 UNC
1160/2160G	39.750	1.250-7 UNC
1180/2180G	44.000	1.250-7 UNC
1200/2200G	48.500	1.500-6 UNC
1220/2220G	54.500	1.500-6 UNC
1240/2240G	58.250	1.500-6 UNC
1260/2260G	62.750	1.500-6 UNC
1280/2280G	67.000	1.500-6 UNC
1300/2300G	71.250	1.500-6 UNC



**TABLE 30 — Flex Hub Puller Bolt Holes for Standard Shank Diameter Hubs**

SIZE ♦	B.C.	Tap Size – UNC
1080/2080G	12.500	1.000-8 x 1.18
1090/2090G	14.000	1.250-7 x 1.50
1100/2100G	15.500	1.500-6 x 1.75
1110/2110G	17.500	1.500-6 x 1.75
1120/2120G	19.500	1.500-6 x 1.75
1130/2130G	21.000	1.500-6 x 1.75
1140/2140G	23.000	1.500-6 x 1.75
1150/2150G	25.000	1.500-6 x 1.75
1160/2160G	27.000	1.500-6 x 1.75
1180/2180G	30.500	1.500-6 x 1.75
1200/2200G	34.000	2.000-4.5 x 2.38
1220/2220G	37.500	2.000-4.5 x 2.38
1240/2240G	41.000	2.000-4.5 x 2.38
1260/2260G	45.000	2.000-4.5 x 2.38
1280/2280G	49.000	2.000-4.5 x 2.38
1300/2300G	53.000	2.000-4.5 x 2.38



♦ Refer to Table 34 for flex hub puller data on reduced shank diameter hubs, Sizes 1160/2160 thru 1300/2300.

**TABLE 31 — Torsional Stiffness – lb-in/Radian (10<sup>6</sup>)**

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	4520	12500	...	...	2260	3320	...	...
1090/2090G	6160	18200	...	...	3080	4600	...	...
1100/2100G	7800	19900	...	...	3900	5600	...	...
1110/2110G	9460	26800	...	...	4730	7000	...	...
1120/2120G	12600	38100	...	...	6300	9470	...	...
1130/2130G	15880	51200	...	...	7940	12100	...	...
1140/2140G	18760	60500	...	...	9380	14300	...	...
1150/2150G	22000	77900	...	...	11100	17300	...	...
1160/2160G	30600	106900	65600	26500	15300	23800	20900	14200
1180/2180G	46600	162100	96800	41600	23300	36300	31500	22000
1200/2200G	53000	203600	121300	53300	26500	42000	36800	26600
1220/2220G	95800	308500	158200	72100	47900	73100	59700	41100
1240/2240G	93000	361000	204500	92900	46500	73900	63900	46500
1260/2260G	116800	459000	256600	120200	58400	93100	80300	59300
1280/2280G	153800	595500	331200	159800	76900	122400	105000	78400
1300/2300G	196000	762500	417200	205900	98000	155900	133400	100400

**TABLE 32 — WR<sup>2</sup> Values—lb-in<sup>2</sup>**

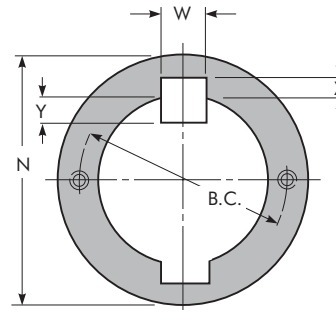
WR<sup>2</sup> values are based on hubs with no bore.

SIZE	Type G20 Double Engagement	Type G52 Single Engagement
1080/2080G	75,835	72,330
1090/2090G	136,510	129,990
1100/2100G	210,965	189,795
1110/2110G	318,700	295,605
1120/2120G	470,600	445,750
1130/2130G	677,715	644,475
1140/2140G	920,940	874,830
1150/2150G	1,245,820	1,199,785
1160/2160G	1,798,710	1,755,170
1180/2180G	2,903,395	2,832,400
1200/2200G	4,971,175	4,869,620
1220/2220G	8,459,975	8,246,620
1240/2240G	12,184,330	11,935,924
1260/2260G	16,701,335	16,689,170
1280/2280G	22,679,330	22,877,185
1300/2300G	29,876,435	30,100,765

# 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 WR<sup>2</sup>.



**TABLE 33 — Bore Ranges for Reduced Shank Diameter Hubs — Inches**

SIZE ★	G20								G52								
	Flex Hub				N ♦	Weight * — lbs			Rigid Hub				K ♦	Weight * — lbs			Coupling WR <sup>2</sup> (lb-in <sup>2</sup> )
	Max Bore — 2 Rectangular Keys •			Min. Bore		Sleeves, End Rings and Fasteners	Flex Hub With No Bore (Each)	Coupling WR <sup>2</sup> (lb-in <sup>2</sup> )	Max Bore — 2 Rectangular Keys •			Min. Bore		Sleeve End Ring and Fastener	Flex Hub With No Bore (Each)	Rigid Hub With No Bore (Each)	
	Bore	Keyway Y=X							Bore	Keyway Y = X							
W		X	W	X													
1160/2160G	19.25	3.000	1.000	13.00	25.50	3060	3060	1,607,330	23.75	4.000	1.500	14.75	31.00	1650	3060	4190	1,428,355
	14.25	2.500	.875	10.00	20.75			1,492,100	17.00	3.000	1.000	10.00	23.50				26.50
1180/2180G	22.25	3.500	1.250	15.00	29.50	3620	4140	2,621,895	26.75	4.000	1.500	16.50	34.50	1950	4140	5320	2,294,025
	17.00	3.000	1.000	11.25	24.00			2,397,515	19.50	3.000	1.000	11.25	26.50				26.50
1200/2200G	26.00	4.000	1.500	17.00	33.50	4850	6060	4,493,550	29.75	5.000	1.750	18.50	38.00	2610	6060	7570	3,936,305
	19.75	3.500	1.250	12.50	27.25			3,995,335	22.00	3.500	1.250	12.50	29.50				29.50
1220/2220G	28.75	5.000	1.750	19.25	37.50	7180	8170	7,774,455	33.00	5.000	1.750	20.25	41.50	3800	8170	9850	6,526,670
	22.75	3.500	1.250	13.75	30.75			6,948,365	24.00	4.000	1.500	13.75	32.50				32.50
1240/2240G	32.50	5.000	1.750	21.25	41.50	8010	10640	11,114,330	35.25	6.000	2.000	22.25	45.00	4360	10640	12550	9,596,235
	25.00	4.000	1.500	15.00	34.00			9,731,830	26.75	4.000	1.500	15.00	35.50				35.50
1260/2260G	35.25	6.000	2.000	23.25	45.50	8770	13540	15,220,935	38.75	6.000	2.000	24.00	48.50	4770	13540	15460	13,293,705
	28.00	4.000	1.500	16.25	37.25			15,680,760	28.75	5.000	1.750	16.25	38.50				38.50
1280/2280G	39.00	6.000	2.000	25.50	49.50	10200	16340	20,783,330	41.00	6.000	2.000	26.00	52.00	5550	16340	18340	18,070,985
	30.00	5.000	1.750	17.50	40.75			17,591,530	31.00	5.000	1.750	17.50	41.50				41.50
1300/2300G	41.25	7.000	2.500	27.50	53.50	11430	19500	27,459,315	43.00	7.000	2.500	27.75	55.50	6210	19500	21320	23,791,805
	33.00	5.000	1.750	18.75	44.00			23,041,885	33.75	5.000	1.750	18.75	44.50				44.50

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

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

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

**TABLE 34 — Flex Hub Puller Bolt Holes for Reduced Shank Diameter Hubs — Inches**













SIZE ★	Inches			SIZE ★	Inches		
	N	B.C.	Tap Size		N	B.C.	Tap Size
1160/2160G	25.50	22.50	1.500-6 UNC	1240/2240G	41.50	36.50	2-4.5 UNC
	20.75	17.75			34.00	29.00	
1180/2180G	29.50	26.00	1.500-6 UNC	1260/2260G	45.50	40.50	2-4.5 UNC
	24.00	20.50			37.25	32.25	
1200/2200G	33.50	29.50	2-4.5 UNC	1280/2280G	49.50	44.50	2-4.5 UNC
	27.25	23.25			40.75	35.75	
1220/2220G	37.50	33.00	2-4.5 UNC	1300/2300G	53.50	48.50	2-4.5 UNC
	30.75	26.25			44.00	39.00	

# Engineering Data — Large Flanged Sleeve

## Standard Filleted Keyways & Chamfered Keys

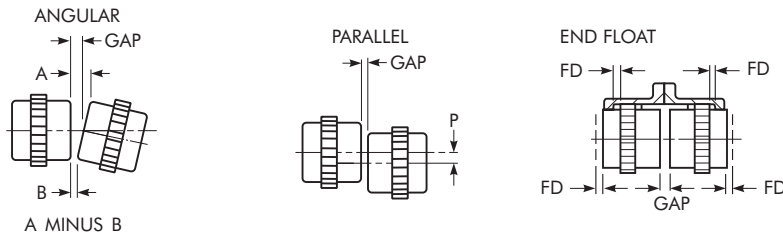
It is general practice in industry to supply coupling hubs with minimum fillet radii in the keyway corners to permit the use of standard commercial keys without chamfered edges. Falk will cut filleted keyways when specified in accordance with the established industry standards as shown in Table 35 at no extra charge.

**TABLE 35 — Standard Filleted Keyways & Chamfered Keys**

Nominal Bore		Key			Hub Keyway			
Over	Thru	Size (Nominal)	45° Chamfer Suggested		Width	Depth ♦ +.010 to .+.020	Fillet Radii	
<b>4.000</b>	<b>4.500</b>	1.000 x 1.000	.078		1.000	+.0030 -.0000	.500	.062
<b>4.500</b>	<b>5.500</b>	1.250 x 1.250	.156		1.2500	+.0035	.625	.125
<b>5.500</b>	<b>6.500</b>	1.500 x 1.500	.156		1.5000	-.0000	.750	.125
<b>6.500</b>	<b>7.500</b>	1.750 x 1.500	.156		1.750	+.0040	.750	.125
<b>7.500</b>	<b>9.000</b>	2.000 x 1.500	.156		2.000	-.0000	.750	.125
<b>9.000</b>	<b>11.000</b>	2.500 x 1.750	.156		2.500	+.0045	.875	.125
<b>11.000</b>	<b>13.000</b>	3.000 x 2.000	.219		3.000	-.0000	1.000	.188
<b>13.000</b>	<b>15.000</b>	3.500 x 2.500	.219		3.500	+.0050	1.250	.188
<b>15.000</b>	<b>18.000</b>	4.000 x 3.000	.281		4.000	-.0000	1.500	.250
<b>18.000</b>	<b>22.000</b>	5.000 x 3.500	.281		5.000	+.0060	1.750	.250
<b>22.000</b>	<b>26.000</b>	6.000 x 4.000	.406		6.000	-.0000	2.000	.375
<b>26.000</b>	<b>30.000</b>	7.000 x 5.000	.406		7.000	+.0060 -.0000	2.500	.375

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

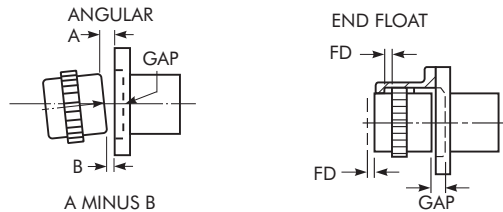
# Engineering Data — Large Flanged Sleeve



**TABLE 36 — Misalignment & End Float – Double Engagement Couplings**

SIZE	Angular Misalignment Limits						Parallel Misalignment Limits						End Float		
	Installation		Operating ♦		Static ♦		Installation		Operating ♦		Static ♦		Std FD (Min)	Normal Gap +/-10%	Physical Limit (Min) (2) FD + Gap
	A Minus B Inches	Degrees Per Mesh	A Minus B Inches	Degrees Per Mesh	A Minus B Inches	Degrees Per Mesh	P Inches	Degrees Per Mesh	P Inches	Degrees Per Mesh	P Inches	Degrees Per Mesh			
1080/2080	.032	1/16°	.190	3/8°	.380	3/4°	.016	1/16°	.097	3/8°	.193	3/4°	.170	.375	.715
1090/2090	.036	1/16°	.216	3/8°	.432	3/4°	.017	1/16°	.104	3/8°	.206	3/4°	.248	.500	.996
1100/2100	.040	1/16°	.242	3/8°	.484	3/4°	.019	1/16°	.117	3/8°	.234	3/4°	.248	.500	.996
1110/2110	.045	1/16°	.268	3/8°	.537	3/4°	.022	1/16°	.130	3/8°	.259	3/4°	.248	.500	.996
1120/2120	.049	1/16°	.295	3/8°	.590	3/4°	.023	1/16°	.138	3/8°	.277	3/4°	.248	.500	.996
1130/2130	.052	1/16°	.314	3/8°	.628	3/4°	.024	1/16°	.142	3/8°	.285	3/4°	.345	.750	1.440
1140/2140	.057	1/16°	.340	3/8°	.681	3/4°	.025	1/16°	.150	3/8°	.299	3/4°	.345	.750	1.440
1150/2150	.061	1/16°	.367	3/8°	.733	3/4°	.027	1/16°	.164	3/8°	.328	3/4°	.345	.750	1.440
1160/2160	.063	1/16°	.380	3/8°	.759	3/4°	.028	1/16°	.166	3/8°	.331	3/4°	.460	1.000	1.920
1180/2180	.072	1/16°	.432	3/8°	.864	3/4°	.029	1/16°	.172	3/8°	.344	3/4°	.460	1.000	1.920
1200/2200	.080	1/16°	.478	3/8°	.956	3/4°	.035	1/16°	.208	3/8°	.416	3/4°	.460	1.000	1.920
1220/2220	.087	1/16°	.524	3/8°	1.047	3/4°	.039	1/16°	.231	3/8°	.462	3/4°	.460	1.000	1.920
1240/2240	.097	1/16°	.582	3/8°	1.165	3/4°	.042	1/16°	.252	3/8°	.504	3/4°	.460	1.000	1.920
1260/2260	.106	1/16°	.635	3/8°	1.278	3/4°	.046	1/16°	.273	3/8°	.547	3/4°	.460	1.000	1.920
1280/2280	.115	1/16°	.687	3/8°	1.374	3/4°	.047	1/16°	.281	3/8°	.563	3/4°	.460	1.000	1.920
1300/2300	.123	1/16°	.740	3/8°	1.479	3/4°	.048	1/16°	.290	3/8°	.579	3/4°	.460	1.000	1.920

♦ 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 Factory for review.



**TABLE 37 — Misalignment & End Float – Single Engagement Couplings**

SIZE	Angular Misalignment Limits *						End Float			
	Installation		Operating		Static		Std FD (Min)	Normal Shaft Gap	Normal Face Gap (X)	Physical Limit (Min) FD + Gap
	A Minus B Inches	Degrees Per Mesh	A Minus B Inches	Degrees Per Mesh	A Minus B Inches	Degrees Per Mesh				
1080/2080	.032	1/8°	.095	3/8°	.190	3/4°	.180	.500	.180	.680
1090/2090	.036	1/8°	.108	3/8°	.216	3/4°	.258	.562	.242	.820
1100/2100	.040	1/8°	.121	3/8°	.242	3/4°	.255	.625	.245	.880
1110/2110	.045	1/8°	.134	3/8°	.268	3/4°	.255	.625	.245	.880
1120/2120	.049	1/8°	.147	3/8°	.295	3/4°	.255	.625	.245	.880
1130/2130	.052	1/8°	.157	3/8°	.314	3/4°	.340	.750	.370	1.090
1140/2140	.057	1/8°	.170	3/8°	.340	3/4°	.340	.750	.370	1.090
1150/2150	.061	1/8°	.183	3/8°	.367	3/4°	.340	.750	.370	1.090
1160/2160	.063	1/8°	.190	3/8°	.380	3/4°	.450	1.000	.500	1.450
1180/2180	.072	1/8°	.216	3/8°	.432	3/4°	.450	1.000	.500	1.450
1200/2200	.080	1/8°	.239	3/8°	.478	3/4°	.450	1.000	.500	1.450
1220/2220	.087	1/8°	.262	3/8°	.524	3/4°	.450	1.125	.500	1.575
1240/2240	.097	1/8°	.291	3/8°	.582	3/4°	.450	1.125	.500	1.575
1260/2260	.106	1/8°	.317	3/8°	.635	3/4°	.450	1.125	.500	1.575
1280/2280	.115	1/8°	.344	3/8°	.687	3/4°	.445	1.125	.505	1.575
1300/2300	.123	1/8°	.370	3/8°	.740	3/4°	.445	1.125	.505	1.575

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





# Coupling Application Data Sheet

Company \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date \_\_\_\_\_  
Phone \_\_\_\_\_  
Fax \_\_\_\_\_  
Response Req'd By \_\_\_\_\_  
Submitted By \_\_\_\_\_  
\_\_\_\_\_

## COUPLING DESIGN:

Disc  Grid  Gear  Elastomer   
Horizontally Mounted  Vertically Mounted

## COUPLING TYPE:

Close Coupled  Spacer  Other \_\_\_\_\_

## SECTION I — PRIME MOVER:

Type: Electric Motor  Engine  (No. of Cyl.) \_\_\_\_\_ Turbine   
Rating (hp, kW) \_\_\_\_\_ Diesel  Gasoline  Gas  Steam  Air  Gas   
Base Speed (rpm) \_\_\_\_\_ Maximum Speed (rpm) \_\_\_\_\_

## SECTION II — APPLICATION DATA

Description \_\_\_\_\_  
\_\_\_\_\_

Load Characteristics:  
Unidirectional  Reversing   
Smooth  Light Shock  Heavy Shock   
Little Vibration  Med. Vibration  Hvy. Vibration

Duty Cycle: Continuous  Intermittent

Environmental Concerns (Temperature, Moisture, Dust, Corrosive Materials) \_\_\_\_\_  
\_\_\_\_\_

## SECTION III — COUPLING SELECTION DATA

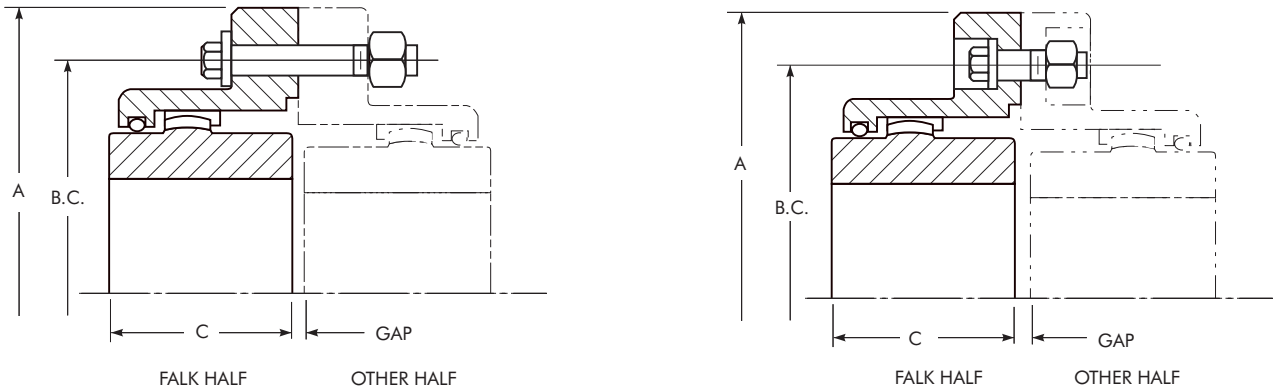
hp/bhp/kW \_\_\_\_\_ Torque \_\_\_\_\_  
Coupling Speed \_\_\_\_\_ rpm  
Distance Between Shaft Ends or Shaft Gap \_\_\_\_\_  
Driver Shaft Diameter \_\_\_\_\_ Key \_\_\_\_\_  
Fit: Clearance  Interference  Other \_\_\_\_\_  
Driven Shaft Diameter \_\_\_\_\_ Key \_\_\_\_\_  
Fit: Clearance  Interference  Other \_\_\_\_\_  
Specifications Applicable:  
API-610  API-671  Others \_\_\_\_\_  
Service Factor:  
AGMA Recommended  Other \_\_\_\_\_  
Competitive Data:  
Make \_\_\_\_\_  
Size & Type \_\_\_\_\_  
Bores \_\_\_\_\_ & \_\_\_\_\_  
Price \_\_\_\_\_

Design Requirements: Balance Class \_\_\_\_\_  
Weight \_\_\_\_\_ WR<sup>2</sup> \_\_\_\_\_  
Stiffness \_\_\_\_\_  
Misalignment:  
Angular \_\_\_\_\_ Offset \_\_\_\_\_  
Axial \_\_\_\_\_

SKETCH AREA																			

Additional Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# 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)				Kop-Flex® (Koppers) HM (Exposed) HS (Shrouded)				Falk GF Steel Mill Exposed & Shrouded				Zurn® Amerigear-F Exposed & Shrouded (200 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	0.125	1010G	10,080	1.875	1.690	1HM/HS	7,560	1.625	1.687	1GF	7,600	1.625	1.69	...	...	...	...
4.562	3.750	6-250	3.750	6-250	0.125	1015G	20,790	2.375	1.940	1-1/2 HM/HS	17,010	2.250	1.937	1 1/2 GF	18,900	2.125	1.94	F201-1/2	17,010	2.250	1.937
6.000	4.812	8-375	4.812	8-375	0.125	1020G	37,800	2.875	2.440	2HM/HS	31,500	2.750	2.437	2GF	31,500	2.750	2.44	F202	31,500	2.750	2.437
7.000	5.875	6-500	5.812	10-375	0.125	1025G	66,150	3.625	3.030	2-1/2 HM/H	56,700	3.500	3.031	2-1/2 GF	56,700	3.250	3.03	F202-1/2	53,550	3.500	3.031
8.375	7.125	6-625	7.000	10-500	0.187	1030G	107,100	4.125	3.590	3HM/HS	88,200	4.000	3.593	3GF	101,000	4.000	3.59	F203	94,500	4.000	3.593
9.437	8.125	8-625	8.000	12-500	0.187	1035G	163,800	4.875	4.190	3-1/2 HM/HS	129,150	4.500	4.187	3-1/2 GF	151,300	4.500	4.19	F203-1/2	141,750	4.500	4.187
11.000	9.500	8-750	9.281	12-625	0.250	1040G	270,900	5.750	4.750	4HM/HS	204,750	5.500	4.750	4GF	236,000	5.375	4.75	F204	214,200	5.500	4.750
12.500	11.000	8-750	10.625	14-625	0.125	1045G	371,700	6.750	5.310	4-1/2 HM/HS	277,200	6.000	5.312	4-1/2 GF	324,000	6.500	5.31	F204-1/2	324,450	6.250	5.312
13.625	12.000	10-750	11.750	14-625	0.312	1050G	500,900	7.375	6.030	5HM/HS	384,300	6.875	6.031	5GF	441,000	7.000	6.03	F205	415,800	6.750	6.031
15.312	13.500	8-875	13.187	14-750	0.312	1055G	655,200	8.250	6.620	5-1/2 HM/HS	504,000	7.750	6.906	5-1/2 GF	580,000	7.750	6.91	F205-1/2	551,250	7.620	6.625
16.750	14.500	14-875	14.437	16-750	0.312	1060G	800,100	9.125	7.410	6H	661,500	8.625	7.406	6GF	759,000	8.750	7.41	F206	749,700	8.620	7.406
18.000	15.750	14-875	NA	NA	0.312	1070G	1,197,000	10.875	8.690	7HM	1,008,000	10.375	8.687	7GF	1,160,000	9.750	8.69	F207	1,033,200	10.250	8.687
20.750	18.250	16-1	NA	NA	0.375																

Lovejoy® Sier-Bath-F® Exposed & Shrouded				Kop-Flex (Waldron)® EB (Exposed) SB (Shrouded)				Falk G20 Exposed & Falk G20 Shrouded (10 Series)				Kop-Flex (Fast)® EB (Exposed) SB (Shrouded)				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
...	...	...	...	1EB/SB	6,300	1.625	1.687	10G	5,040	1.375	1.500	...	...	...	...	...	...	...	...
F-1	7,560	1.625	1.687	1-1/2EB/SB	15,120	2.187	2.062	15G	15,120	2.125	2.000	1-1/2EB/SB	17,010	1.625	1.937	1-1/2	2,016	1.750	1.937
F-1 1/2	18,900	2.125	1.937	2EB/SB	31,500	2.750	2.437	20G	31,500	2.625	2.437	2EB/SB	31,500	2.125	2.437	2	34,650	2.250	2.437
F-2	31,500	2.750	2.437	2-1/2EB/SB	56,700	3.250	3.031	25G	56,700	3.250	3.031	2-1/2EB/SB	56,700	2.750	3.031	2-1/2	59,850	2.750	3.031
F-2 1/2	56,700	3.250	3.031	3EB/SB	94,500	4.000	3.593	30G	94,500	3.750	3.593	3EB/SB	100,800	3.125	3.593	3	99,540	3.250	3.593
F-3	94,500	4.000	3.593	3-1/2EB/SB	144,900	4.750	4.187	35G	126,000	4.500	4.187	3-1/2EB/SB	148,050	3.750	4.187	3-1/2	149,940	3.750	4.187
F-3 1/2	151,200	4.500	4.187	4EB/SB	220,500	5.375	4.750	40G	189,000	5.125	4.750	4EB/SB	236,250	4.250	4.750	4	269,640	4.250	4.750
F-4	220,500	5.375	4.750	4-1/2EB/SB	302,400	6.000	5.375	45G	267,750	5.500	5.312	4-1/2EB/SB	318,150	4.750	5.312	4-1/2	369,810	4.750	5.312
F-4 1/2	302,400	6.500	5.312	5EB/SB	409,500	7.000	6.125	50G	368,550	6.375	6.031	5EB/SB	441,000	5.500	6.031	5	499,590	5.500	6.031
F-5	434,700	7.000	6.031	5-1/2EB/SB	535,500	7.750	6.625	55G	491,400	7.250	6.625	5-1/2EB/SB	579,600	5.875	6.906	5-1/2	650,160	6.250	6.906
F-5 1/2	573,300	7.750	6.906	6EB	693,000	8.750	7.375	60G	630,000	8.250	7.375	6EB	759,150	6.500	7.406	6	749,700	7.375	7.406
F-6	749,700	8.750	7.406	7EB	1,010,000	9.750	8.687	70G	1,008,000	9.000	8.687	7EB	1,159,200	8.000	8.687	7	926,100	8.750	8.687
F-7	1,008,000	9.850	8.687																

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

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

**ALERT:** Exposed bolt sleeves will not mate to shrouded bolt designs regardless of the manufacturer. Shrouded bolt designs have a different bolt circle and a greater number of smaller diameter fasteners.

# 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
<b>Falk</b>							<b>Lovejoy Sier-Bath</b>							<b>Kop-Flex Waldron</b>						
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
1015GC	2.375	20,790	4,300	4.30	4.08	.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
1020GC	2.875	37,800	3,700	5.20	5.07	.125	2C	2.13	20,160	4,200	4.75	4.25	.125	1 1/2P	2.19	15,120	9,000	4.12	4.25	.125
1025GC	3.625	66,150	3,300	6.44	6.25	.188	2-1/2P	2.63	30,240	3,750	5.50	4.75	.250	2P	2.75	31,500	7,200	5.19	5.00	.125
1030GC	4.125	107,100	2,900	7.50	7.37	.188	3C	3.13	50,400	3,000	6.63	5.50	.250	2 1/2P	3.25	56,700	6,000	6.00	6.25	.188
1035GC	4.875	163,800	2,600	8.50	8.63	.250	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
							4-1/2C	4.75	183,960	2,200	9.50	10.25	.250	3-1/2P	4.75	144,900	4,600	8.25	8.62	.250
							5C	5.75	270,900	2,100	10.75	12.25	.250	4P	5.38	220,500	4,200	9.25	9.75	.250
<b>Falk</b>							<b>Zurn</b>							<b>System Components</b>						
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
1015GC	2.375	20,790	4,300	4.30	4.08	.125	201-1/4CS	1.625	7,560	8,900	3.19	3.50	.125	10S	1.630	9,765	7,560	3.44	1.84	.094
1020GC	2.875	37,800	3,700	5.20	5.07	.125	201-1/2CS	2.250	17,010	7,700	4.38	4.00	.125	12S	1.940	13,860	6,900	3.94	1.84	.094
1025GC	3.625	66,150	3,300	6.44	6.25	.188	202CS	2.750	31,500	6,200	5.38	5.00	.125	15S	2.130	19,530	6,600	4.13	2.78	.125
1030GC	4.125	107,100	2,900	7.50	7.37	.188	202-1/2CS	3.500	53,500	6,000	6.50	6.25	.188	20S	2.750	32,130	5,280	5.13	3.19	.125
1035GC	4.875	163,800	2,600	8.50	8.63	.250	203CS	4.000	94,500	5,200	7.44	7.37	.188	25S	3.250	56,700	4,500	6.03	3.88	.188
							203-1/2CS	4.500	141,750	4,400	8.32	8.63	.250	30S	3.750	95,760	3,960	6.84	4.53	.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
														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.

♦ Refer to the Factory for higher speeds.

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# World Class Customer Service

For more than 100 years, the dedicated people of Rexnord have delivered excellence in quality and service to our customers around the globe. Rexnord is a trusted name when it comes to providing skillfully engineered products that improve productivity and efficiency for industrial applications worldwide. We are committed to exceeding customer expectations in every area of our business: product design, application engineering, operations, and customer service.

Because of our customer focus, we are able to thoroughly understand the needs of your business and have the resources available to work closely with you to reduce maintenance costs, eliminate redundant inventories and prevent equipment down time.

Rexnord represents the most comprehensive portfolio of power transmission and conveying components in the world with the brands you know and trust.

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## WORLDWIDE CUSTOMER SERVICE

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