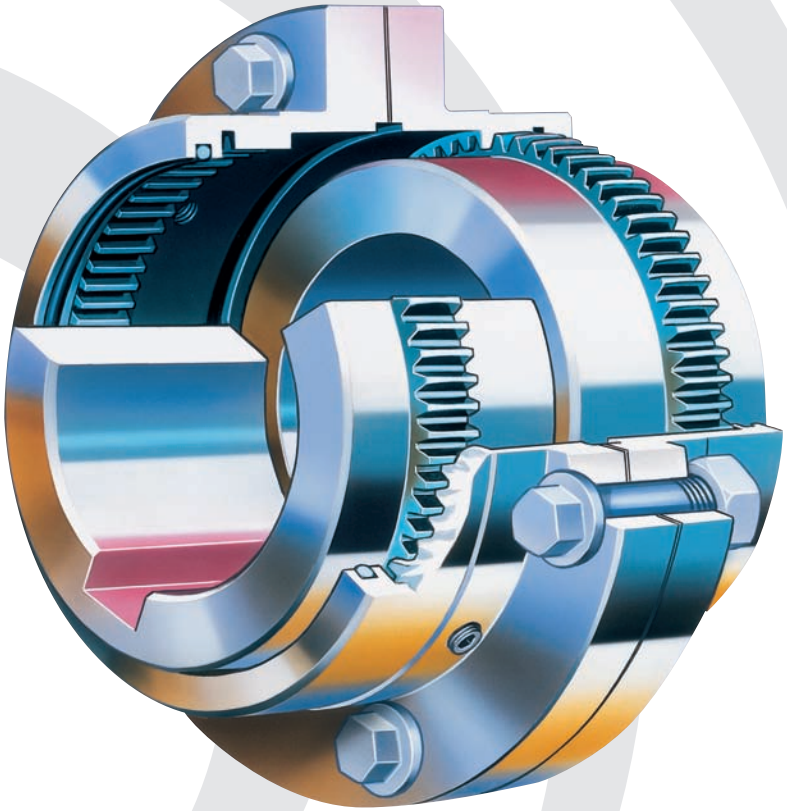
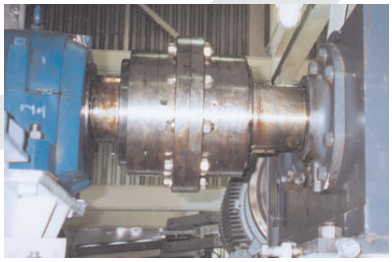
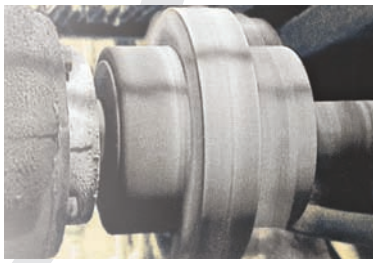
Falk™ Lifelign® Gear Couplings | Save Up Front Money and Increase Equipment Life

(English-Metric)







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.

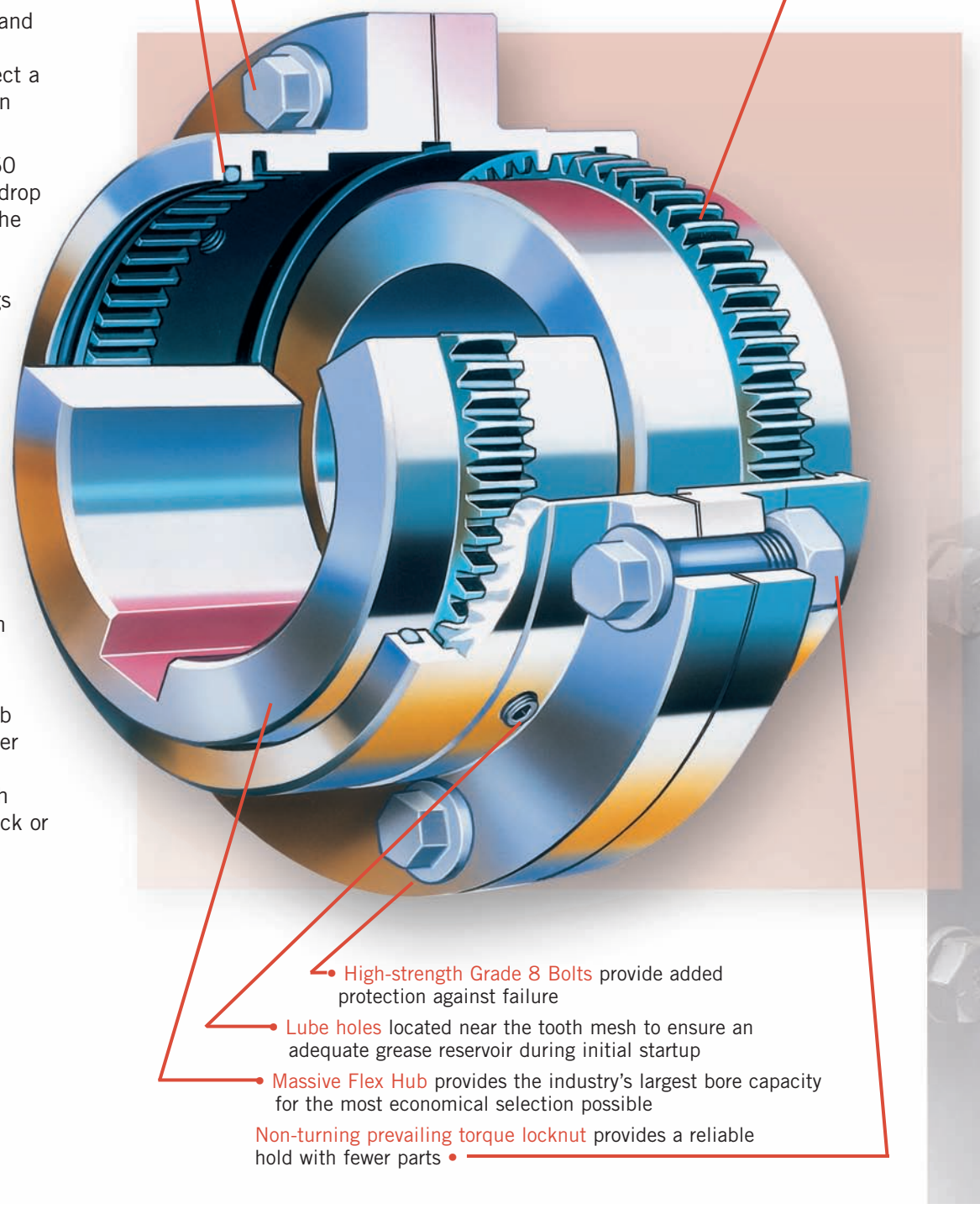
In fact, selections for T frame, 60 hertz electric motors result in a drop of one coupling size for half of the 28 motor frames available. The result: quality, reliability and performance with average savings of 15-20% over competitive offerings.

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.



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

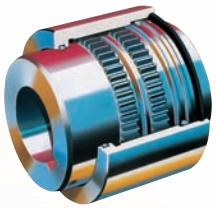
AGMA Coupling Size	Popular Competitive Brands	Falk LIFELIGN Couplings
1	7,500	10,080
1 1/2	18,900	20,790
2	31,500	37,800
2 1/2	56,700	66,150
3	94,500	107,100
3 1/2	151,200	163,800
4	220,500	270,900
4 1/2	302,400	371,700
5	434,700	500,900
5 1/2	573,300	655,200
6	749,700	800,100
7	1,008,000	1,197,000

Designs to Meet a Diverse Range of Needs

G Standard Flanged Sleeve

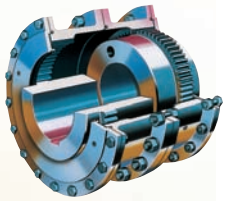
General purpose series used on bulk handling systems, paper machines, fans, pumps, cranes mixers, sugar mills, crushers and many other high-torque applications.

GC Continuous Sleeve



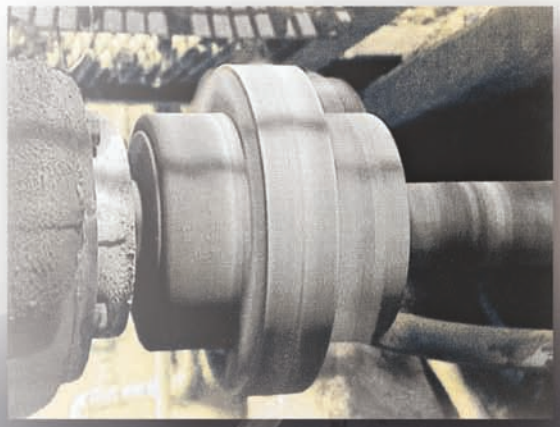
Used on high-speed equipment with low inertia requirements.

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



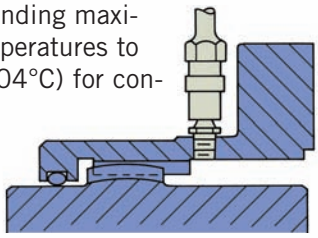
Lifetime Savings

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

Advanced Lube System

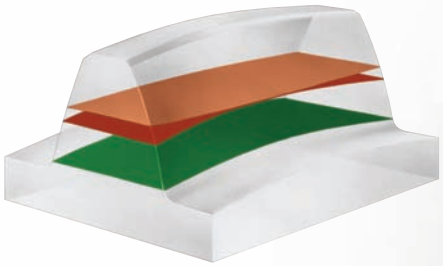
Falk Long Term Grease (LTG) eliminates routine lubrication cycles for up to 3 years. The location of the lubrication hole in the sleeve ensures that an adequate grease reservoir will be maintained close to the gear mesh. Plus, Lifelign's 4-point seal contact provides better retention of lubricant, eliminating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



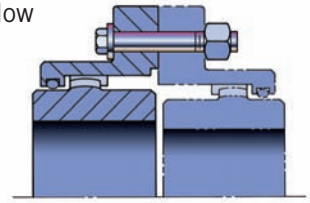
Triple crown protection

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 Lifelign Couplings

Capacity

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

Quality

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

Performance

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

Selection

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

Expertise

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

Packaged System Design

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

Global Availability and Support

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

3-Year Heavy-Duty Warranty

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

Online Support

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

Selection Guide M451-110, October 2006

Table of Contents

THREE YEAR 3 THREE HEAVY DUTY WARRANTY

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

★ Warranty extends for 3 years from date of shipment.

Basic Information

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

WARNING: *Lock out power and remove all external loads from the system before attempting to service any component in the system. Locking out the power and removing the load will reduce the possibility of unexpected motion or reaction in the system.*

Falk Long Term Grease Benefits include: Increased coupling life, significantly extended re-lubrication intervals, reduced maintenance costs, reduced downtime, superior lubrication, high load carrying capabilities and it is usable up to 121°C (250°F).

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

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Taper-Lock is a registered trademark of a bushing under license.
Viton is a registered trademark of the DuPont Co.
The contents of this selection guide are subject to change without notice or obligation. Information contained herein should be confirmed before placing orders.

Lifelign® Gear Coupling Nomenclature

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

1010	GC	02
SIZE	PRODUCT CLASSIFICATION	TYPE

Gear — Continuous Sleeve

GC02 = Double Engagement
GC05 = Single Engagement/Floating Shaft

Type G (Pages 19 thru 41)

1010	G	20
SIZE	PRODUCT CLASSIFICATION	TYPE (Shrouded and Exposed Bolts)

Gear — Standard Flanged Sleeve

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

Type G (Pages 42 thru 55)

1080	G	20
SIZE	PRODUCT CLASSIFICATION	TYPE (Exposed Bolts Only)

Gear — Large Flanged Sleeve

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

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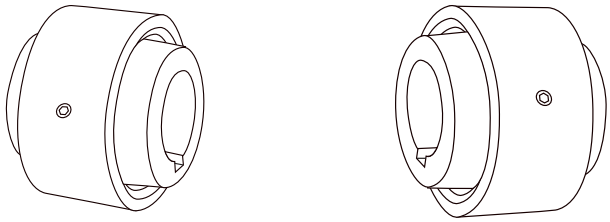
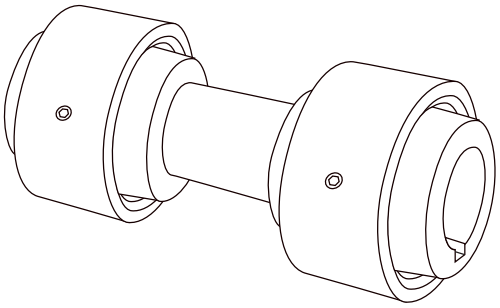
Lifelign Gear Coupling Types



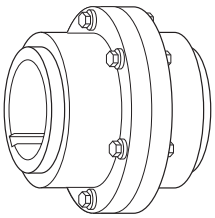
Type GC02 & GC05

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.)

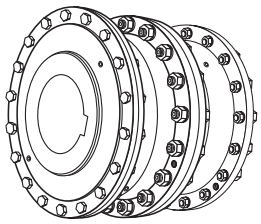


Type GC05 Floating Shaft

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

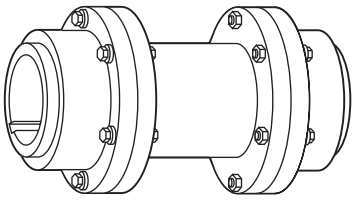


Type G Large Gear Coupling

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 8,185,000 Nm, (72,450,00 lb-in. (See Page 42.)



Type G32

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

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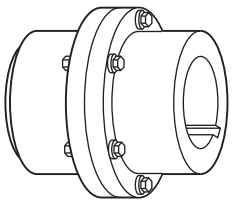
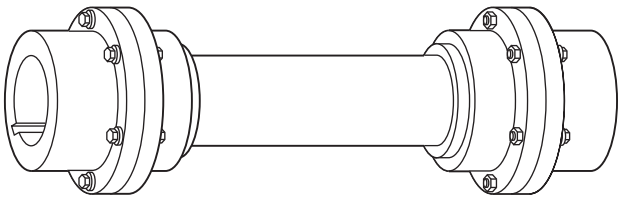


Types G52 & GV52

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 21and 43.)

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

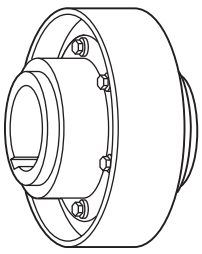


Types G52 & GV52 Floating Shaft

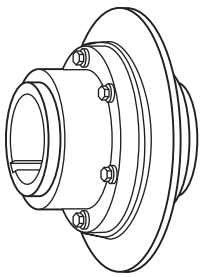
Floating shaft assemblies are used when distance between equipment is too great for spacer couplings. A standard floating shaft assembly consists of two standard single engagement couplings, two gap discs and a connecting shaft. A floating shaft can eliminate the need for additional bearing supports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

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

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

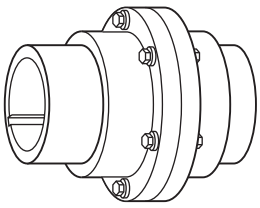


Types G62 & 66



Type G63

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



Types GL20 & GL52

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

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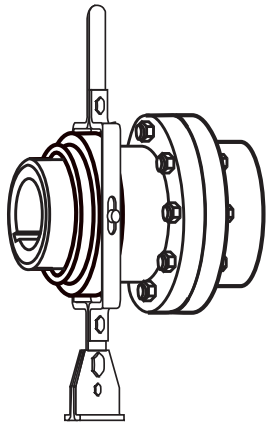
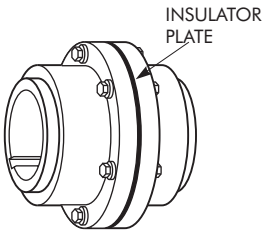


Types G70 & G72

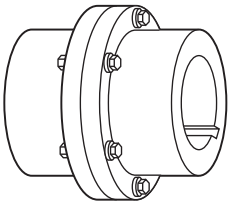
Type G70 Disconnect couplings are used for low speed applications that require quick disconnect of equipment or inching drives. It is used for occasional servicing or inspection of drive system components and is most commonly used on portable or stationary inching drive systems where the driving end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

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



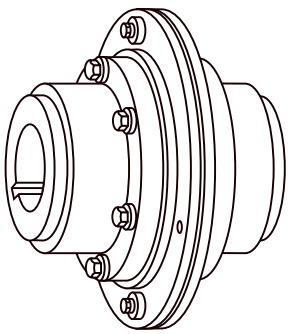
Types GP20, GP52 & GP82

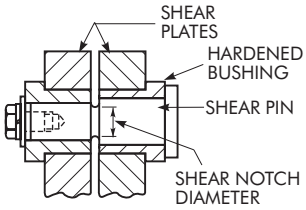
Double, single or rigid engagement insulated couplings are used to eliminate the flow of stray current from one shaft to another and to protect sensitive electrical equipment. They are not intended to withstand high potential currents, short circuits or static charges. Insulated couplings consist of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



Type G82

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





Type GR20

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

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How to Select

Standard Selection Method

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

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

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

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

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

   Where: kW (Kilowatt) is the actual or transmitted power required by the application (if unknown, use the motor or turbine nameplate rating) and rpm is the actual speed the coupling is rotating.
2. **SERVICE FACTOR**: Determine the appropriate service factor from Tables 4 and 5, Page14, or Table 6, Page 15.
3. **REQUIRED MINIMUM COUPLING RATING**: Determine the required minimum coupling rating as shown below

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

STANDARD SELECTION EXAMPLE:

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

1. **DETERMINE REQUIRED RATING:**

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

2. **SERVICE FACTOR**: From Service Factor Table 4, Page 14 =1.5
3. **REQUIRED MINIMUM COUPLING RATING**: 1.5 x 3342 Nm = 5013 Nm
4. **TYPE:** From Page 7, to connect close coupled shafts (6 mm gap) the double engagement Type 1025GC02 or Type 1025G20 coupling is the selection. Refer to Pages 14 or 17 for dimensions.
5. **SIZE**: From Page 16, a Size 1025GC02 or Page 19, a Size 1025G20 is the proper selection based on a torque rating of 7 470 Nm exceeding the required minimum coupling rating of 5013 Nm.
6. **CHECK**: Maximum speed capacity of 3,330 (1025GC02) and 5000 (1025G20) rpm exceeds required speed of 1000 rpm. Maximum bore capacity of 98 mm exceeds the actual shaft diameters.

TABLE 1 — Torque and Horsepower Ratings

Coupling Size	Torque Rating (Nm)	kW per 100 RPM
1010G/GC	1 140	11,9
1015G/GC	2 350	24,6
1020G/GC	4 270	44,7
1025G/GC	7 470	78,3
1030G/GC	12 100	127
1035G/GC	18 500	194
1040G	30 600	321
1045G	42 000	440
1050G	56 600	593
1055G	74 000	775
1060G	90 400	947
1070G	135 000	1 420

Coupling		Torque Rating (Nm) x10³		kW per 100 RPM	
		1000 Series	2000 Series	1000 Series	2000 Series
1080G	2080G	170	234	1 780	2 450
1090G	2090G	226	315	2 360	3 300
1100G	2100G	310	443	3 250	4 640
1110G	2110G	413	609	4 320	6 380
1120G	2120G	555	777	5 810	8 140
1130G	2130G	719	925	7 530	9 690
1140G	2140G	911	1 140	9 540	11 900
1150G	2150G	1 100	1 350	11 500	14 200
1160G	2160G	1 310	1 640	13 700	17 100
1180G	2180G	1 660	2 140	17 400	22 400
1200G	2200G	2 140	2 850	22 400	29 800
1220G	2220G	2 720	3 560	28 500	37 300
1240G	2240G	3 470	4 480	36 400	47 000
1260G	2260G	4 490	5 480	47 000	57 400
1280G	2280G	5 840	6 760	61 100	70 800
1300G	2300G	6 760	8 190	70 800	85 700

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How to Select

Formula Selection Method

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

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

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

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

A. NON-REVERSING HIGH PEAK TORQUE

Selection Torque (Nm) = System Peak Torque

or

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

B. REVERSING HIGH PEAK TORQUE

Selection Torque (Nm) = 1.5 x System Peak Torque

or

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

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

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

or

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

For reversing service, select per Step B, above.

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

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

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

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

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

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

FORMULA SELECTION EXAMPLE — High Peak Load:

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

1. **TYPE**: From Page 7, to connect close coupled shafts (12 mm gap), the double engagement Type G20 coupling is the selection.
2. **REQUIRED MINIMUM COUPLING RATING:**

   Use the Reversing High Peak Torque formula in Step 1B.

   1.5 x 17 000 Nm = 25 500 Selection Torque

3. **SIZE:** From Table 1, Size 1040G20 coupling with torque rating of 30 600 exceeds the selection torque of 25 500 Nm
4. **CHECK:** The maximum bore of 160 mm, Table 13, Page 38, allowable speed of 3600 rpm and Dimension M of 145 mm, on Page 17, meet the requirements.

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Quick Selection Method

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

2. DETERMINE SERVICE FACTOR

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

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

3. DETERMINE EQUIVALENT HORSEPOWER

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

4. DETERMINE COUPLING SIZE

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

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

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

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

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

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

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

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

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

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

SELECTION:

1. To connect close coupled shafts and to accommodate anticipated shaft misalignment, the double engagement Type G20 coupling shown on Page 19, is the selection.

2. From Table 4 on Page 14, the service factor is 1.0.

3. From Table 2, Page 12, the equivalent power is 250 kW.

4. From Table 3 below, the coupling size is 1045G for 68 rpm. From the table on Page 19, the maximum bore of 183 mm, and allowable speed of 3200 rpm are all satisfactory. Check other dimensional information on Page 19 against the available shaft lengths, shaft gaps, and diameter restrictions.

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

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

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Service Factors

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

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

Alphabetical listing of applications

	Service Factor
AERATOR	2,0
AGITATORS	
Vertical and Horizontal Screw, Propeller, Paddle	1,0
BARGE HAUL PULLER	1,5
BLOWERS	
Centrifugal	1,0
Lobe or Vane	1,25
CAR DUMPERS	2.5
CAR PULLERS	1,5
CLARIFIER OR CLASSIFIER	1,0
COMPRESSORS	
Centrifugal	1,0
Rotary, Lobe or Vane	1,25
Rotary, Screw	1,0
Reciprocating	
Direct Connected	Refer to Factory
Without Flywheel	Refer to Factory
✱With Flywheel and Gear between Compressor and Prime Mover	
1 cylinder, single acting	3,0
1 cylinder, double acting	3,0
2 cylinders, single acting	3,0
2 cylinders, double acting	3,0
3 cylinders, single acting	3,0
3 cylinders, double acting	2,0
4 or more cly., single act.	1,75
4 or more cyl., double act.	1,75
▲CONVEYORS	
Apron, Assembly, Belt, Chain, Flight, Screw	1,0
Bucket	1,25
Live Roll, Shaker and Reciprocating	3,0
▲♣CRANES AND HOIST	
Main Hoist	1,75▲
Skip Hoist	1,75▲
Slope	1,5
Bridge, Travel or Trolley	1,75
DYNAMOMETER	1,0
ELEVATORS	
Bucket, Centrifugal Discharge	1,25
Freight or Passenger	**Not Approved**
Gravity Discharge	1,25
ESCALATORS	**Not Approved**
EXCITER, GENERATOR	1,0
EXTRUDER, PLASTIC	1,5
FANS	
Centrifugal	1,0
Cooling Tower	2,0
Forced Draft — Across the Line start	1,5
Forced Draft Motor Driven thru fluid or electric slip clutch	1,0
Gas Recirculating	1,5
Induced Draft with damper control or blade cleaner	1,25
Induced Draft without controls	2,0
FEEDERS	
Apron, Belt, Disc, Screw	1,0
Reciprocating	2.5
GENERATORS	
Even Load	1,0
Hoist or Railway Service	1,5
Welder Load	2,0
HAMMERMILL	1,75
LAUNDRY WASHER OR TUMBLER	2,0
LINE SHAFTS	
Any Processing Machinery	1,5
MACHINE TOOLS	
Auxiliary and Traverse Drive	1,0
Bending Roll, Notching Press, Punch Press, Planer, Plate Reversing	1,75
Main Drive	1,5
MAN LIFTS	**Not Approved**
METAL FORMING MACHINES	
Continuous Caster	1,75
Draw Bench Carriage and Main Drive	2,0
Extruder	2,0
Farming Machine and Forming Mills	2,0
Slitters	1,0
Wire Drawing or Flattening	1,75
Wire Winder	1,5
Coilers and Uncoilers	1,5
MIXERS (see Agitators)	
Concrete	1,75
Muller	1,5
PRESS, PRINTING	1,5
PUG MILL	1,75
PULVERIZERS	
Hammermill and Hog	1,75
Roller	1,5
PUMPS	
Boiler Feed	1,5
Centrifugal — Constant Speed	1,0
Frequent Speed Changes under Load	1,25
Descaling, with accumulators	1,25
Gear, Rotary, or Vane	1,25
Reciprocating, Plunger Piston 1 cyl., single or double act.	3,0
2 cyl., single acting	2,0
2 cyl., double acting	1,75
3 or more cylinders	1,5
Screw Pump, Progressing Cavity	1,25
Vacuum Pump	1,25
SCREENS	
Air Washing	1,0
Grizzly	2,0
Rotary Coal or Sand	1,5
Vibrating	2.5
Water	1,0
SKI TOWS & LIFTS	**Not Approved**
STEERING GEAR	1,0
STOKER	1,0
TIRE SHREDDER	1,50
TUMBLING BARREL	1,75
WINCH, MANEUVERING	
Dredge, Marine	1,5
WINDLASS	1,5
WOODWORKING MACHINERY	1,0
WORK LIFT PLATFORMS	**Not Approved**

Alphabetical listing of industries

	Service Factor
AGGREGATE PROCESSING, CEMENT, MINING KILNS; TUBE, ROD AND BALL MILLS	
Direct or on L.S. shaft of Reducer, with final drive Machined Spur Gears	2,0
Single Helical or Herringbone Gears	1,75
Conveyors, Feeders, Screens, Elevators	See General Listing
Crushers, Ore or Stone	2,5
Dryer, Rotary	1,75
Grizzly	2,0
Hammermill or Hog	1,75
Tumbling Mill or Barrel	1,75
BREWING AND DISTILLING	
Bottle and Can Filling Machines	1,0
Brew Kettle	1,0
Cookers, Continuous Duty	1,25
Lauter Tub	1,5
Mash Tub	1,25
Scale Hopper, Frequent Peaks	1,75
CLAY WORKING INDUSTRY	
Brick Press, Briquette Machine, Clay Working Machine, Pug Mill	1,75
DREDGES	
Cable Reel	1,75
Conveyors	1,25
Cutter head, Jig Drive	2,0
Maneuvering Winch	1,5
Pumps (uniform load)	1,5
Screen Drive, Stacker	1,75
Utility Winch	1,5
FOOD INDUSTRY	
Beet Slicer	1,75
Bottling, Can Filling Machine	1,0
Cereal Cooker	1,25
Dough Mixer, Meat Grinder	1,75
LUMBER	
Band Resaw	1,5
Circular Resaw, Cut-off	1,75
Edger, Head Rig, Hog	2,0
Gang Saw (Reciprocating)	Refer to Factory
Log Haul	2,0
Planer	1,75
Rolls, Non-Reversing	1,25
Rolls, Reversing	2,0
Sawdust Conveyor	1,25
Slab Conveyor	1,75
Sorting Table	1,5
Trimmer	1,75
♣METAL ROLLING MILLS	
Coilers (Up or Down) Cold Mills only	1,5
Coilers (Up or Down) Hot Mills only	2,0
Coke Plants	
Pusher Ram Drive	2,5
Door Opener	2,0
Pusher or Larry Car Traction Drive	3,0
Continuous Caster	1,75
Cold Mills —	
Strip Mills	Refer to Factory
Temper Mills	Refer to Factory
Cooling Beds	1,5
Drawbench	2,0
Feed Rolls - Blooming Mills	3,0
Furnace Pushers	2,0
Hot and Cold Saws	2,0
Hot Mills —	
Strip or Sheet Mills	Refer to Factory
Reversing Blooming or Slabbing Mills	Refer to Factory
Edger Drives	Refer to Factory
Ingot Cars	2,0
Manipulators	3,0
Merchant Mills	Refer to Factory
Mill Tables	
Roughing Breakdown Mills	3,0
Hot Bed or Transfer, non-reversing	1,5
Runout, reversing	3,0
Runout, non-reversing, non-plugging	2,0
Reel Drives	1,75
Rod Mills	Refer to Factory
Screwdown	2,0
Seamless Tube Mills	
Piercer	3,0
Thrust Block	2,0
Tube Conveyor Rolls	2,0
Reeler	2,0
Kick Out	2,0
Shear Croppers	Refer to Factory
Sideguards	3.0
Skelp Mills	Refer to Factory
Slitters, Steel Mill Only	1.75
Soaking Pit Cover Drives —	
Lift	1,0
Travel	2,0
Straighteners	2,0
Unscramblers (Billet Bundle Busters)	2,0
Wire Drawing Machinery	1,75
OIL INDUSTRY	
Chiller	1,25
Oilwell Pumping (not over 150% peak torque)	2,0
Paraffin Filter Press	1,5
Rotary Kiln	2,0
PAPER MILLS	
Barker Auxiliary, Hydraulic	2,0
Barker, Mechanical	2,0
Barking Drum	
L.S. shaft of reducer with final drive - Helical or Herringbone Gear	2,0
Machined Spur Gear	2,5
Cast Tooth Spur Gear	3,0
Beater & Pulper	1,75
Bleachers, Coaters	1,0
Calender & Super Calender	1,75
Chipper	2,5
Converting Machine	1,25
Couch	1,75
Cutter, Felt Whipper	2,0
Cylinder	1,75
Dryer	1,75
Felt Stretcher	1,25
Fourdrinier	1,75
Jordan	2,0
Log Haul	2,0
Line Shaft	1,5
Press	1,75
Pulp Grinder	1,75
Reel, Rewinder, Winder	1,5
Stock Chest, Washer, Thickener	1,5
Stock Pumps, Centrifugal Constant Speed	1,0
Frequent Speed Changes Under Load	1,25
Suction Roll	1,75
Vacuum Pumps	1,25
RUBBER INDUSTRY	
Calender	2,0
Cracker, Plasticator	2,5
Extruder	1,75
Intensive or Banbury Mixer	2,5
Mixing Mill, Refiner or Sheeter One or two in line	2,5
Three or four in line	2,0
Five or more in line	1,75
Tire Building Machine	2,5
Tire & Tube Press Opener (Peak Torque)	1,0
Tuber, Strainer, Pelletizer	1,75
Warming Mill One or two Mills in line	2,0
Three or more Mills in line	1,75
Washer	2,5
SEWAGE DISPOSAL EQUIPMENT	
Bar Screen, Chemical Feeders, Collectors, Dewatering Screen, Grit Collector	1,0
SUGAR INDUSTRY	
Cane Carrier & Leveler	1,75
Cane Knife & Crusher	2,0
Mill Stands, Turbine Driver With all helical or Herringbone gears	1,5
Electric Drive or Steam Engine Drive with Helical, Herringbone, or Spur Gears with any Prime Mover	1,75
TEXTILE INDUSTRY	
Batcher	1,25
Calender, Card Machine	1,5
Cloth Finishing Machine	1,5
Dry Can, Loom	1,5
Dyeing Machinery	1,25
Knitting Machine	Refer to Falk
Mangle, Napper, Soaper	1,25
Spinner, Tenter Frame, Winder	1,5

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

✱ For balanced opposed design, refer to the Factory.

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

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

TABLE 5 ♥ — Engine Drive Service Factors

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

No. of Cylinders	4 or 5 ♥						6 or more ♥					
Table 1 S.F.	1,0	1,25	1,5	1,75	2,0	2,5	1,0	1,25	1,5	1,75	2,0	2,5
Engine S.F.	2,0	2,25	2,5	2,75	3,0	3,5	1,5	1,75	2,0	2,25	2,5	3,0

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

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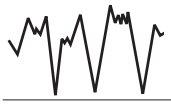
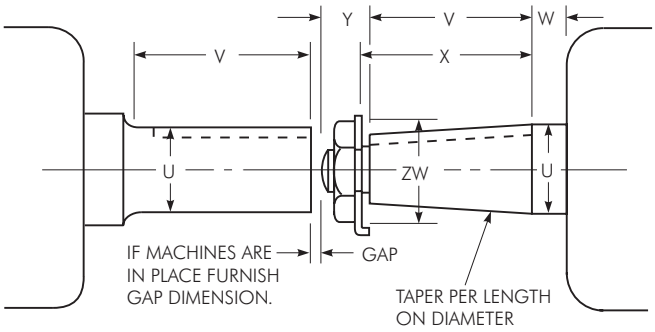
SERVICE FACTORS: are a guide, based on experience of the ratio between coupling catalog rating and system characteristics. The system characteristics are best measured with a torque meter.

TABLE 6 — Service Factors

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



How to Order

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

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

For Straight Shafts

Driving Shaft	Diameter U _____		**Driven Shaft**	Diameter U _____	
	Length V _____			Length V _____	
	Keyway _____			Keyway _____	

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

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

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

General Information

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

Reference Notes

† Peak torque capacity is two times the published rating.

‡ Consult Factory for higher speeds. Balancing may allow up to a 50% increase in speeds shown.

● Maximum bores are reduced for hubs furnished with an INTERFERENCE FIT and a setscrew over the keyway. Maximum bores may also be reduced when puller bolt holes are required. Refer to Tables 13 & 14 on Page 38. Bore capacities can be increased beyond values shown if the coupling torque rating is reduced. Refer to the Factory. Recommended key sizes for the listed maximum bores are shown in Table 11, Page 37, and Table 24, Page 51.

■ Minimum bore is the smallest bore to which a RSB (rough stock bore) hub can be bored. Depending upon coupling size, rough stock bore hubs may have only a blind centering hole or a through hole that will permit remachining of the hubs to the minimum bores specified.

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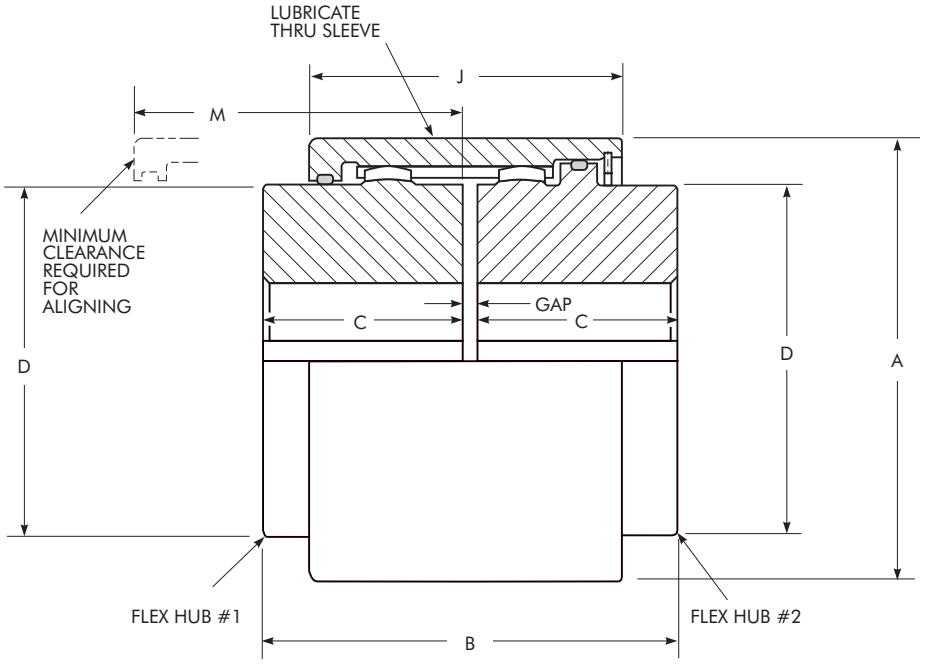
Type GC02 Continuous Sleeve
Double Engagement/Dimensions — Millimeters



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

★ See Page 15 for General Information and Reference Notes.

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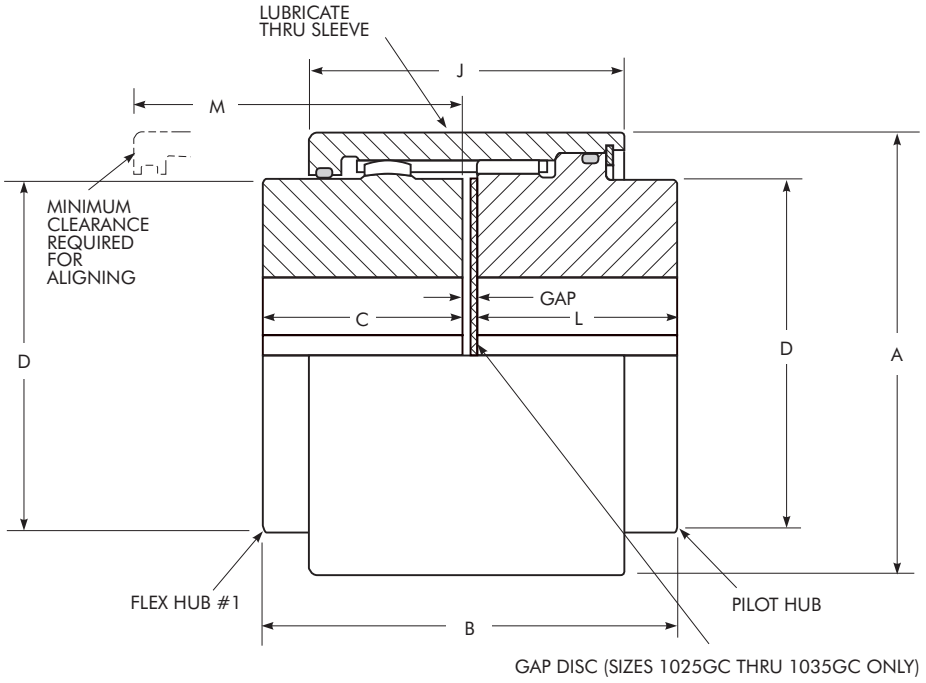
Type GC05 Continuous Sleeve
Single Engagement/Dimensions — Millimeters



SIZE ★	Torque Rating (Nm) †	Allow Speed rpm ‡	Max Bore (mm) •	Min. Bore (mm) ■	Cplg Wt With No Bore (kg)	Lube Wt (kg)	DIMENSIONS — Millimeters								SIZE ★
							A	B	C	D	J	L	M	Gap	
1010GC	1 140	5300	50	12,7	3,49	0,00850	88,9	88,9	42,9	68,6	61,2	42,9	65	3	**1010GC**
1015GC	2 350	4300	65	19,0	6,40	0,0198	109,2	103,6	49,3	86,4	76,2	51,1	81	3	**1015GC**
1020GC	4 270	3700	78	25,4	11,7	0,0312	132,1	128.8	62,0	105,2	94,5	63,8	99	3	**1020GC**
1025GC	7 470	3300	98	31,8	21,8	0,0522	163,6	158,8	77,0	130,6	109,1	77,0	116	5	**1025GC**
1030GC	12 100	2900	111	38,1	34,6	0,0730	190,5	187,2	91,2	152,4	119,9	91,2	126	5	**1030GC**
1035GC	18 500	2600	134	50,8	52,2	0,0957	215,9	219,2	106,4	177,8	133,5	106,4	140	6	**1035GC**

★ See Page 15 for General Information and Reference Notes.

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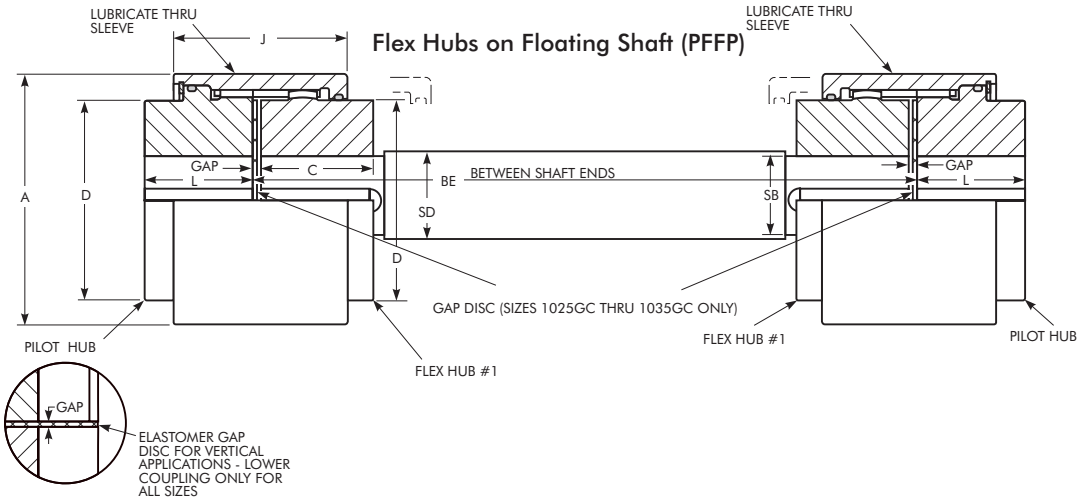
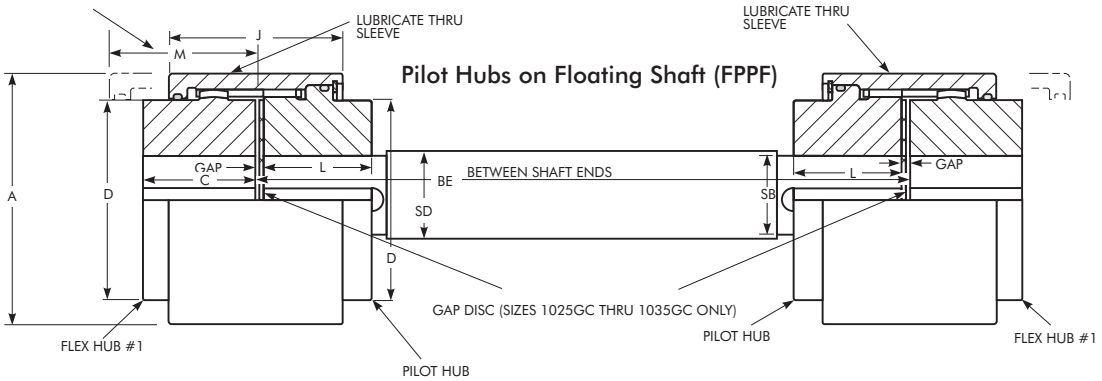
Type GC05 Continuous Sleeve

Floating Shaft Single Engagement/Dimensions — Millimeters



MINIMUM CLEARANCE REQUIRED FOR ALIGNING



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

SIZE ★	Assembly Torque Rating ▲ Nm †	SB Shaft End Diameter (mm)	SD Shaft Diameter (mm)	Weight (kg per mm)	WR² (KgM² per mm)	Maximum BE (mm) for Various RPM's♣ 1750	1430	1170	870	720	580	540 or Less	SIZE ★
1010G	439 1 140	38,1 47,6	39,7 50,8	0,00964 0,0159	0,00000196 0,00000518	1 371 1 549	1 524 1 727	1 676 1 905	1 955 2 209	2 159 2 438	2 387 2 717	2 463 2 794	**1010G**
1015G	1 169 2 350	50,8 60,3	54,0 63,5	0,0179 0,0248	0,00000657 0,0000126	1 600 1 752	1 778 1 930	1 955 2 133	2 286 2 463	2 514 2 717	2 794 3 022	2 870 3 124	**1015G**
1020G	2 282 4 270	63,5 73,0	66,7 76,2	0,0273 0,0357	0,0000152 0,0000259	1 778 1 905	1 981 2 108	2 184 2 336	2 540 2 717	2 794 2 971	3 098 3 237	3 200 3 429	**1020G**
1025G	4 463 7 470	79,4 92,1	82,6 95,2	0,0420 0,0559	0,0000357 0,0000634	1 981 2 133	2 209 2 362	2 438 2 616	2 819 3 022	3 098 3 327	3 454 3 708	3 556 3 835	**1020G**
1030G	8 508 12 100	98,4 104,8	101,6 108,0	0,0636 0,0718	0,0000820 0,000104	2 209 2 260	2 438 2 514	2 692 2 794	3 124 3 225	3 454 3 556	3 835 3 962	3 962 4 064	**1030G**
1035G	13 333 18 500	114,3 123,8	120,6 127,0	0,0896 0,0993	0,000163 0,000200	2 413 2 463	2 667 2 717	2 946 3 022	3 403 3 505	3 759 3 860	4 191 4 292	4 292 4 419	**1035G**

★ Refer to Page 15 for General Information and Reference Notes.
▲ Limited by coupling size, shaft end diameter or both. Refer to Page 22 for selection procedure.
♣ Interpolate for intermediate speeds. Maximum BE is based on 70% of critical speed. Refer to the Factory for higher running speeds.

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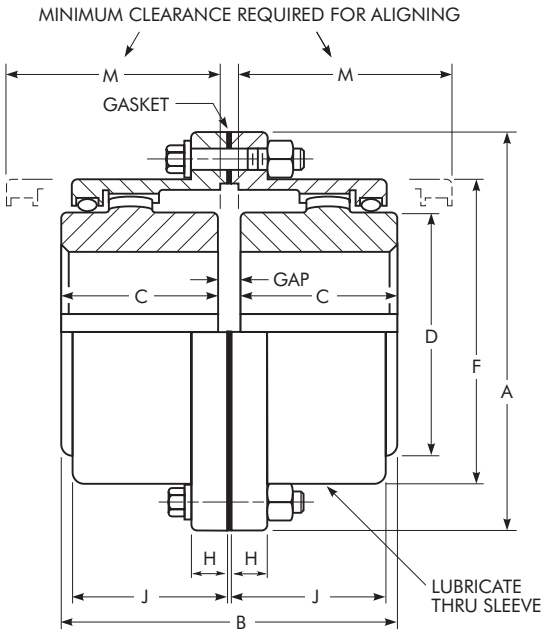
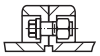
Type G20 Standard Flanged Sleeve
Double Engagement/Dimensions — Millimeters





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

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

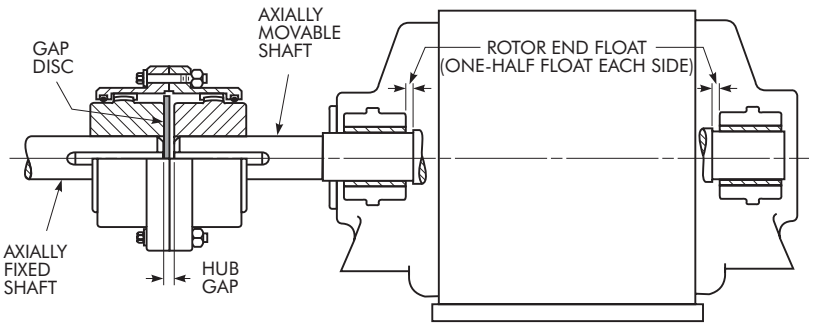
★ See Page 15 for General Information and other Reference Notes.

TABLE 7 — Limited End Float & Standard Gap Disc Dimensions

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

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

✱ Gap disc material: Neoprene, 70 durometer.



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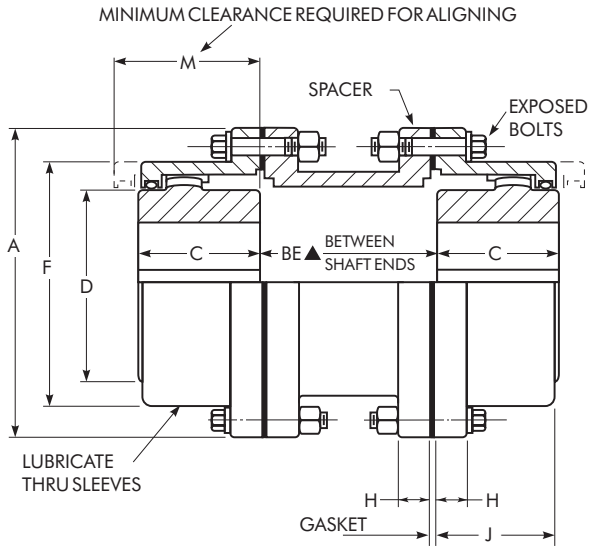
Type G32 Standard Flanged Sleeve
Spacer/Dimensions — Millimeters

Without Limited End Float



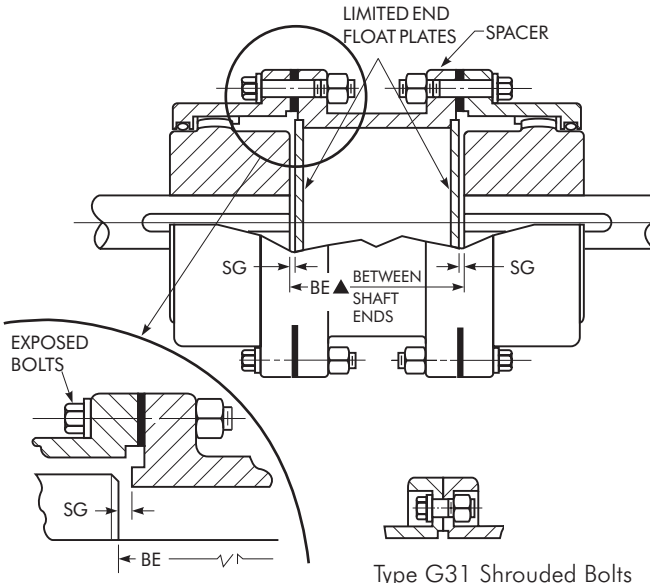
SIZE	BE Spacers in Stock — mm				
	89	111	114	127	178
1010G	●	●	...	●	...
1015G	●	...	...	●	...
1020G	...	●	...	●	●
1025G	...	...	...	●	●
1030G	...	...	...	●	●
1035G	...	...	●♦	...	...

♦ Bolt holes staggered for assembly clearance.

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

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

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



NON-STOCK SPACER DESIGN
SIZES 1010 THRU 1070G32.

Type G31 Shrouded Bolts furnished only when specified on order.

SIZES ★	Torque Rating (Nm) †	Allow Speed rpm ‡	Max Bore (mm) •	Min Bore (mm) ■	Coupling Wt-kg		Lube Wt-kg		DIMENSIONS — Millimeters										SIZES ★
										BE Min ▲		BE Max							
					Cplg Wt With No Bore and Min BE	Extra Spacer Wt per mm of Length	Min Wt Less Spacer	Plus per mm of Spacer Length	A	G31	G32	G31 & G32	C	D	F	H	J	M	
1010G	1 140	7000	50	13	6,80	0,0120	0,0408	...	115,9	82	82	311	42,9	68,6	83,8	14,0	38,9	48	1010G
1015G	2 350	5500	65	20	13,6	0,0127	0,0726	...	152,4	82	82	311	49,3	86,4	105,2	19,0	47,8	56	1015G
1020G	4 270	4600	78	26	20,4	0,0166	0,113	0,000536	177,8	82	82	311	62,0	105,2	126,5	19,0	59,4	69	1020G
1025G	7 470	4000	98	32	38,6	0,0205	0,227	0,00107	212,7	108	95	311	77,0	130,6	154,9	21,8	71,6	81	1025G
1030G	12 100	3600	111	39	54,4	0,0236	0,363	0,00107	239,7	108	95	311	91,2	152,4	180,3	21,8	83.8	94	1030G
1035G	18 500	3100	134	51	88,5	0,0359	0,544	0,00214	279,4	130	120	311	106,4	177,8	211,3	28,4	97,5	107	1035G
1040G	30 600	2800	160	64	122,5	0,0500	0,907	0,00357	317,5	130	120	311	120,6	209,6	245,4	28,4	111,3	122	1040G
1045G	42 000	2600	183	77	166	0,0736	1,04	0,00357	346,1	130	120	311	134,9	235,0	274,1	28,4	122,9	135	1045G
1050G	56 600	2400	200	89	238	0,0814	1,77	0,00357	388,9	184	146	311	153,2	254,0	305,8	38,1	140,7	152	1050G
1055G	74 000	2200	220	102	306	0,0895	2,22	0,00357	425,4	184	146	311	168,1	279,4	334,3	38,1	158,0	173	1055G
1060G	90 400	2100	244	115	358	0,117	3,18	0,00357	457,2	...	146	311	188,2	304,8	366,0	25,4	169,2	183	1060G
1070G	135 000	1800	289	127	562	0,141	4,35	0,00357	527,0	...	146	311	220,7	355,6	424,9	28,4	195,6	208	1070G

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

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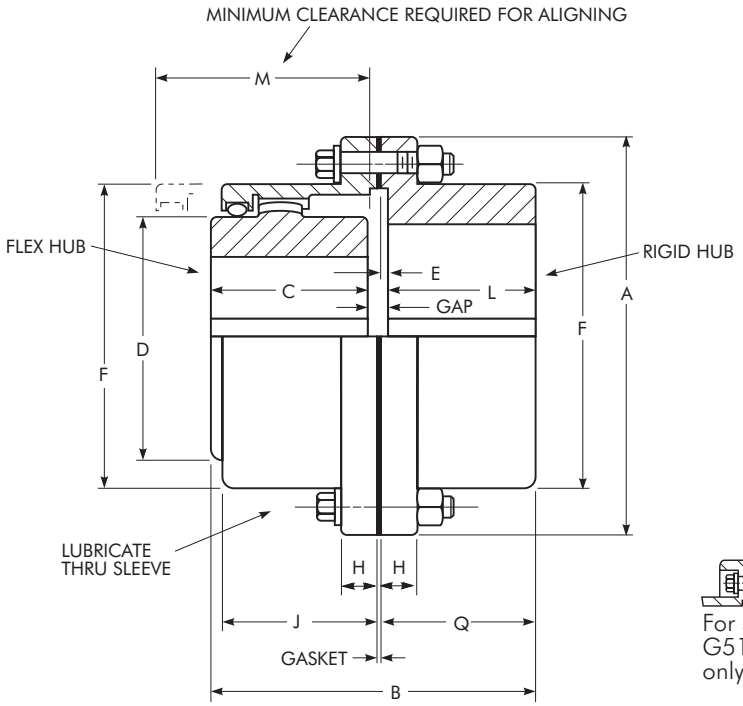
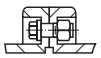
Type G52 Standard Flanged Sleeve
Single Engagement/Dimensions — Millimeters





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

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

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

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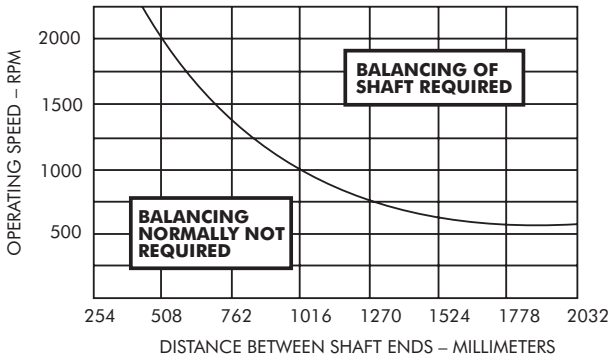
Type G52 Standard Flanged Sleeve
Floating Shafts/Dimensions — Millimeters

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

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

Flex Hubs on Floating Shaft (RFFR)

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



Rigid Hubs on Floating Shaft (FRRF)

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

Solid Floating Shaft Selection

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

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

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

SIZE ★	Assembly Torque Rating ▲ Nm †	Floating Shafts — Millimeters										
		SB Shaft End Diameter (mm)	SD Shaft Diameter (mm)	Wt-kg per mm	WR^2 kgm^2 per mm	Maximum BE (mm) for Various RPM's *						
						1750	1430	1170	870	720	580	540 or less
1010G	493 1 140	38,1 47,6	39,7 50,8	0,00964 0,0159	0,00000196 0,00000518	1 371 1 549	1 524 1 727	1 676 1 905	1 955 2 209	2 159 2 438	2 387 2 717	2 463 2 794
1015G	1 169 2 349	50,8 60,3	54,0 76,2	0,0179 0,0248	0,00000657 0,0000126	1 600 1 752	1 778 1 930	1 955 2 133	2 286 2 463	2 514 2 717	2 794 3 022	2 870 3 124
1020G	2 282 4 271	63,5 73,0	66,7 95,2	0,0273 0,0557	0,0000152 0,0000259	1 778 1 905	1 981 2 108	2 184 2 336	2 540 2 717	2 794 2 971	3 098 3 327	3 200 3 429
1025G	4 463 7 474	79,4 92,1	82,6 95,2	0,0420 0,0559	0,0000357 0,0000634	1 981 2 133	2 209 2 362	2 438 2 616	2 819 3 022	3 098 3 237	3 454 3 708	3 556 3 835
1030G	8 508 12 101	98,4 104,8	101,6 127,0	0,0636 0,0718	0,0000820 0,000104	2 209 2 260	2 438 2 514	2 692 2 794	3 124 3 225	3 454 3 556	3 835 3 962	3 962 4 064
1035G	13 333 18 508	114,3 123,8	120,6 146,0	0,0896 0,993	0,000163 0,000200	2 413 2 463	2 667 2 717	2 946 3 022	3 403 3 505	3 759 3 860	4 191 4 292	4 292 4 419
1040G	24 327 30 609	139,7 146,0	146,0 165,1	0,131 0,143	0,000350 0,000415	2 641 2 692	2 921 2 997	3 251 3 302	3 759 3 835	4 140 4 216	4 597 4 699	4 749 4 851
1045G	31 581 41 999	152,4 171,5	165,1 203,2	0,168 0,254	0,000572 0,00131	2 819 3 124	3 124 3 454	3 454 3 810	3 987 4 445	4 394 4 876	4 902 5 435	5 029 5 588
1050G	37 886 56 597	161,9 187,3	165,1 203,2	0,168 0,254	0,000572 0,00131	2 819 3 124	3 124 3 454	3 454 3 810	3 987 4 445	4 394 4 876	4 902 5 435	5 029 5 588
1055G	37 886 74 031	161,9 200,0	165,1 203,2	0,168 0,254	0,000572 0,00131	2 819 3 124	3 124 3 454	3 454 3 810	3 987 4 445	4 394 4 876	4 902 5 435	5 029 5 588
1060G	71 410 90 404	200,0 215,9	203,2 217,4	0,254 0,291	0,00131 0,00172	3 124 3 225	3 454 3 581	3 810 3 962	4 445 4 597	4 876 5 054	5 435 5 613	5 588 5 791
1070G	71 410 135 250	200,0 241,3	203,2 242,8	0,254 0,363	0,00131 0,00268	3 124 3 403	3 454 3 784	3 810 4 191	4 445 4 851	4 876 5 334	5 435 5 943	5 588 6 121

★ Refer to Page 15 for General Information and Reference Notes.
▲ Assembly torque rating is limited by coupling size, shaft end diameter or both.
✱ Interpolate for intermediate speeds. Maximum BE is based on 70% of critical speed. Refer to the Factory for higher running speeds.

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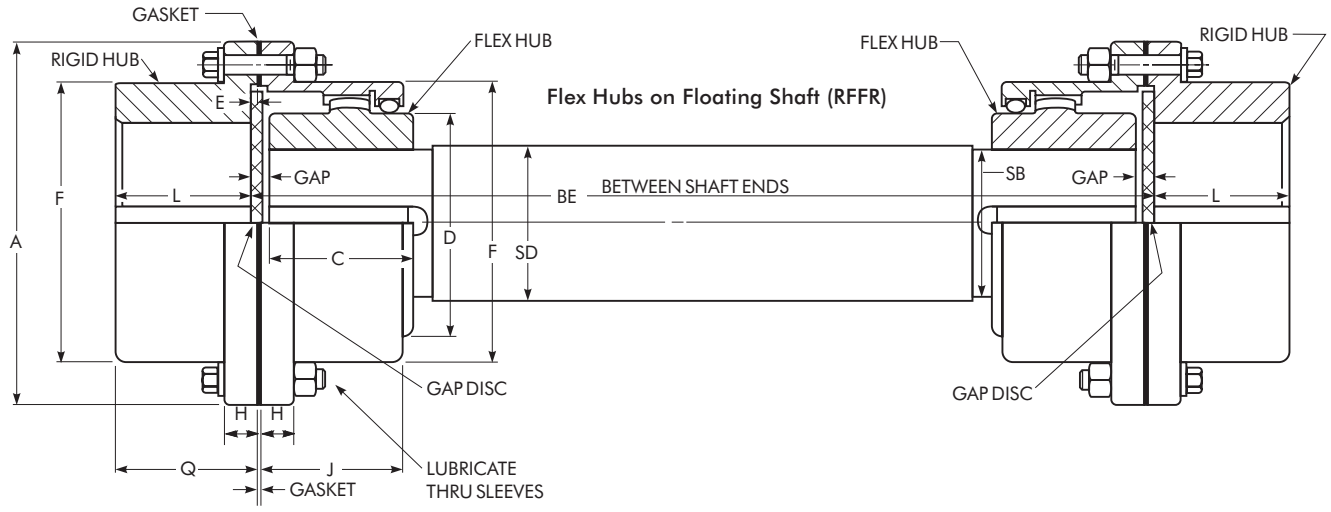
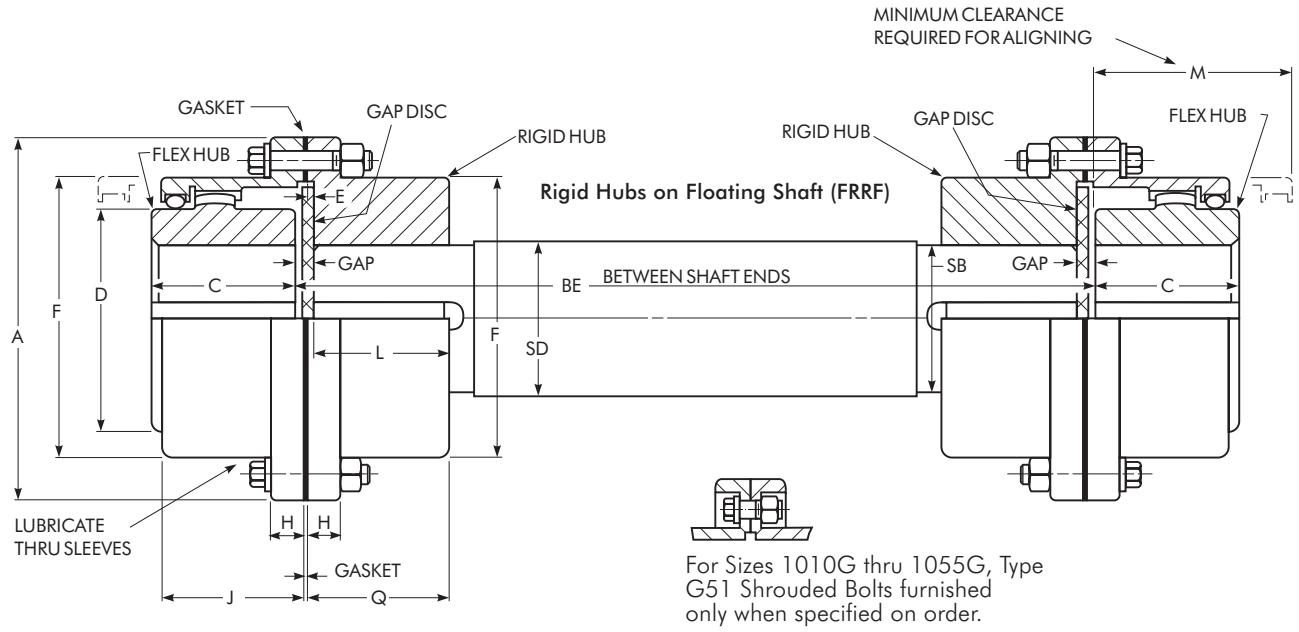
Type G52 Standard Flanged Sleeve
Floating Shaft/Dimensions — Millimeters





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

SIZE ★	Max Bore (mm) •		Min Bore (mm) ■	Wt–One Cplg No Bore–kg		Lube Wt Per Cplg (kg)	DIMENSIONS — Millimeters												
	Flex Hub	Rigid Hub		G51	G52		A	BE Min RFFR	BE Min FRRF	C	D	E	F	H	J	L	M	Q	Gap
1010G	50	65	13	4,08	4,54	0,0227	115,9	133	92	42,9	68,6	2,5	83,8	14,0	38,9	39,6	48	42,2	4
1015G	65	80	20	8,16	9,07	0,0408	152,4	159	105	49,3	86,4	2,5	105,2	19,0	47,8	46,2	56	48,8	4
1020G	78	98	26	13,6	15,9	0,0680	177,8	197	129	62,0	105,2	2,5	126,5	19,0	59,4	58,4	69	61,0	4
1025G	98	118	32	24,9	27,2	0,118	212,7	241	162	77,0	130,6	2,5	154,9	21,8	71,6	73,7	81	76,2	5
1030G	111	140	39	38,6	43,1	0,181	239,7	279	189	91,2	152,4	2,5	108,3	21,8	83,8	87,9	94	90,4	5
1035G	134	163	51	61,2	68,0	0,272	279,4	324	219	106,4	177,8	2,5	211,3	28,4	97,5	102,1	107	104,6	6
1040G	160	196	64	90,7	99,8	0,467	317,5	419	248	120,6	209,6	4,1	245,4	28,4	111,3	115,3	122	119,4	7
1045G	183	216	77	129,3	136	0,557	346,1	508	281	134,9	235,0	4,1	274,1	28,4	122,9	130,8	135	134,6	8
1050G	200	235	89	181,4	195	0,907	388,9	533	316	153,2	254,0	5,1	305,8	38,1	140,7	147,3	152	152,4	9
1055G	220	266	102	251,7	263	1,13	425,4	572	367	168,1	279,4	5,1	334,3	38,1	158,0	172,7	173	177,8	9
1060G	244	290	115	. . .	324	1,70	457,2	597	397	188,2	304,8	6,6	366,0	25,4	169,2	186,4	183	193,0	10
1070G	289	340	127	. . .	508	2.27	527.0	673	470	220.7	355.6	8.4	424.9	28.4	195.6	220.2	208	228.6	13

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

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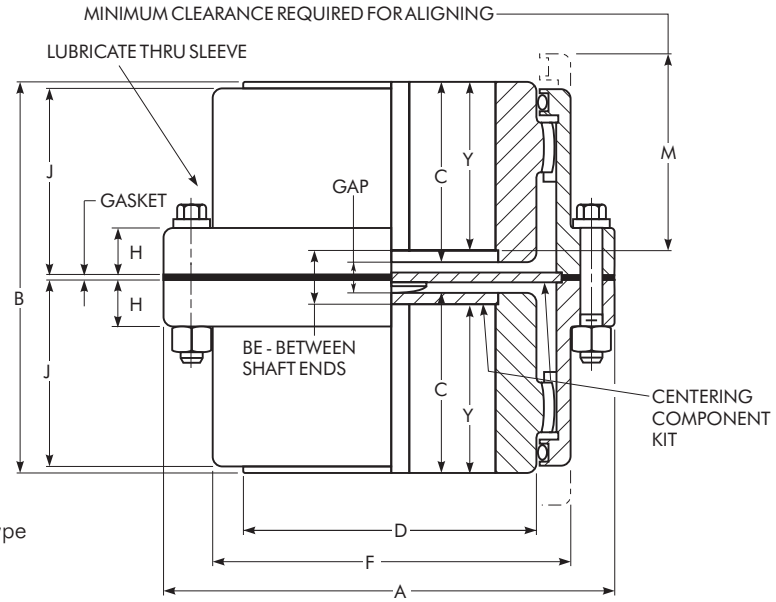
Type GV20 Standard Flanged Sleeve

Vertical Double Engagement/Dimensions — Millimeters

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



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

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

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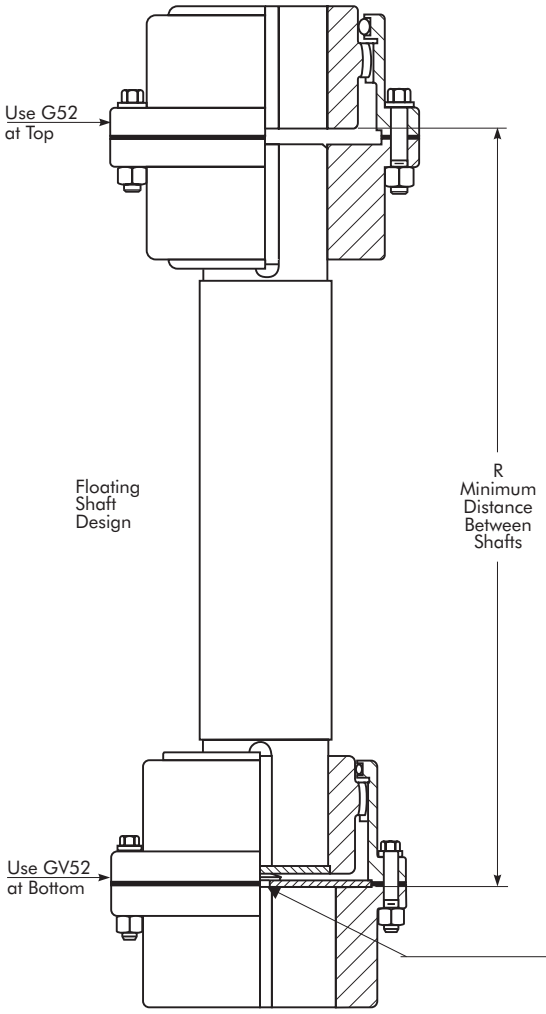
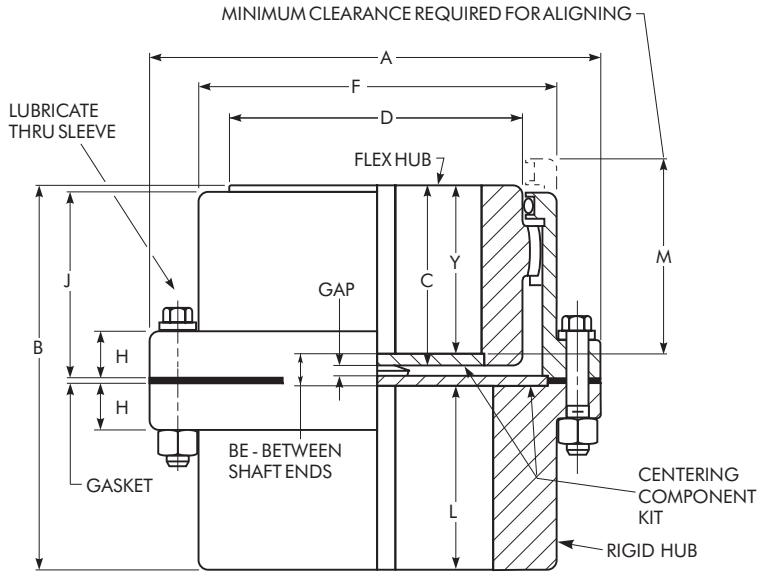
Type GV52 Standard Flanged Sleeve
Vertical Single Engagement/Dimensions — Millimeters





For Sizes 1010GV thru 1055GV, Type GV51 Shrouded Bolts furnished only when specified on order.

Downward load capacity of lower support button
Sizes 1010 thru1030GV52 is 4 536 kg
Sizes 1035 thru 1070GV52 is 13 608 kg

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

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

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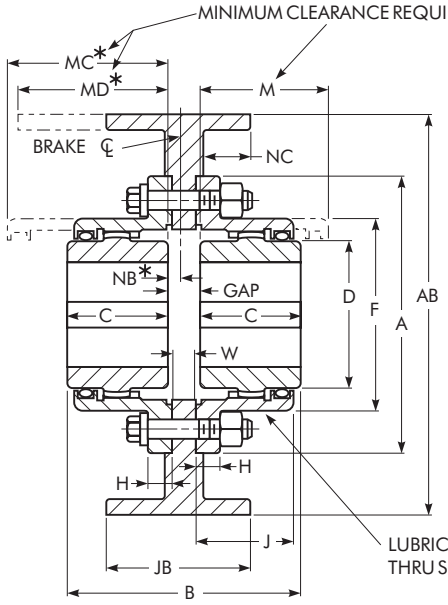
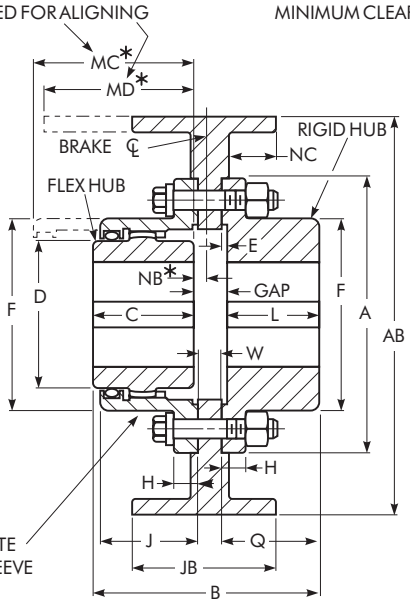
Types G62, G63 & G66 Standard Flanged Sleeve

Brakewheel/Disc Brake/Dimensions — Millimeters

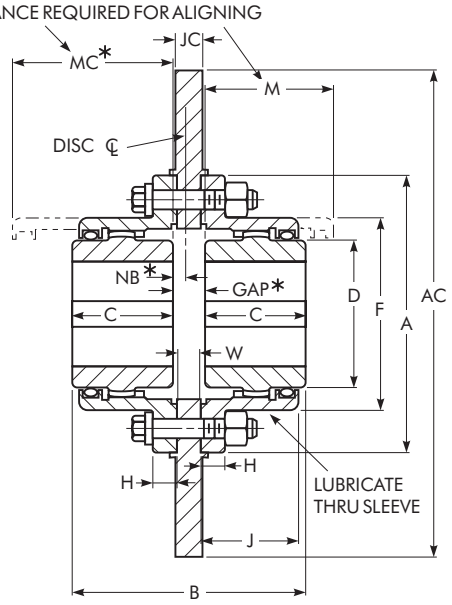
Straight Bores — Wheel Sizes 177,8 Millimeters Diameter & Larger



Double Engagement Type G62



Single Engagement Type G66



Double Engagement Type G63 ▲

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

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

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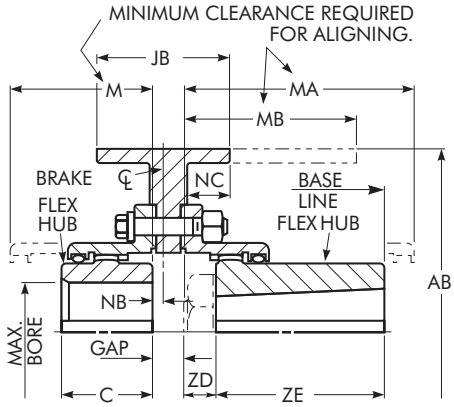
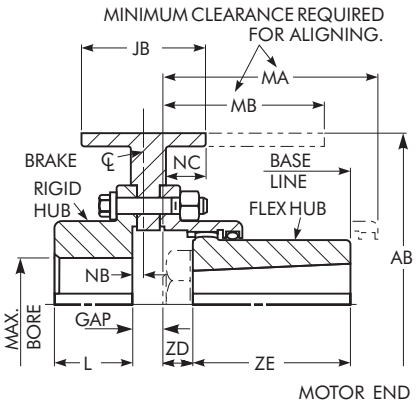
Types G62/G66 Standard Flanged Sleeve
Brakewheel (for AISE Brakes)/Dimensions — Millimeters

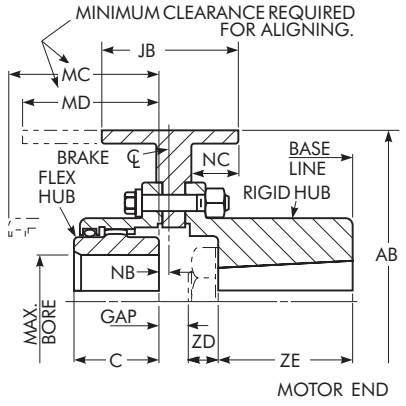
Taper Bores — Wheel Sizes 203,2 Millimeters – 762 Millimeters Diameter & Larger



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



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



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

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

★ See Page 15 for General Information and other Reference Notes.
♦ For standard AISE brakes.
▲ Based on maximum rim velocity of 182,88 meters per minute.
✱ Symbol indicates that Dimension NB and the brakewheel centerline are to the left of the hub face.

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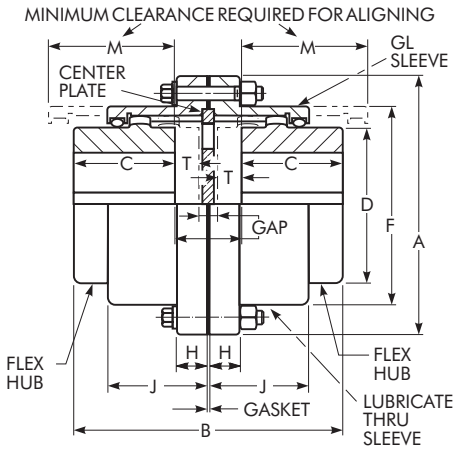
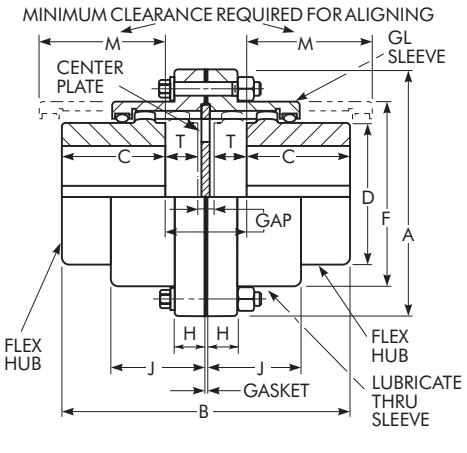
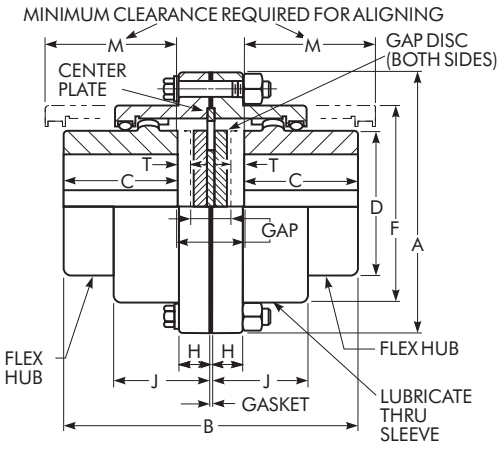
Type GL20 Standard Flanged Sleeve
Slide Double Engagement/Dimensions — Millimeters



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

SIZE	DIMENSIONS — Millimeters																	
	Type GL20-1						Type GL20-2						Type GL20-4					
	B Max	M	T (Max)		Gap		B Max	M	T (Max)		Gap		B Max	M	T (Max)		Gap	
			Each	Total	Min	Max			Each	Total	Min	Max			Each	Total	Min	Max
1010GL	96,3	53,8	12,7	2,5	8	10	126,2	58,4	16,3	32,5	8	40	96,3	53,8	2,0	4,3	6	10
1015GL	127,3	59,7	10,4	20,8	8	29	152,7	68,6	23,1	46,2	8	54	127,3	59,7	7,4	15,0	14	29
1020GL	150,6	77,2	94,0	18,8	8	27	186,2	83,8	27,2	54,4	8	62	150,6	77,2	9,9	20,1	7	27
1025GL	187,7	93,5	12,2	24,4	9	34	231,4	101,6	34,0	68,1	9	78	187,7	93,5	6,1	12,4	21	34
1030GL	227,3	108,2	17,8	35,6	9	45	263,4	91,4	35,8	71,6	9	81	227,3	108,2	11,4	23,1	22	45
1035GL	273,6	124,5	24,6	49,3	11	61	314,7	104,1	45,2	90,4	11	102	273,6	124,5	14,0	27,9	33	61
1040GL	320,3	138,7	32,3	64,5	15	79	362,5	119,4	53,3	106,7	15	121	320,3	138,7	16,3	32,5	47	79
1045GL	355,3	154,4	34,8	69,6	16	86	405,6	129,5	59,9	119,9	16	136	355,3	154,4	19,3	38,6	47	86
1050GL	408,2	175,5	41,9	83,8	18	102	459,5	149,9	67,6	135,1	18	153	408,2	175,5	20,6	41,4	61	102
1055GL	470,2	190,8	57,9	115,8	18	134	510,3	167,6	78,0	156,0	18	174	470,2	190,8	21,1	42,2	92	134
1060GL	503,7	211,6	53,1	106,2	21	127	563,1	182,9	82,8	165,6	21	187	503,7	211,6	24,6	49,5	78	127
1070GL	591,8	245,4	62,0	124,0	26	150	664,5	210,8	98,3	196,6	26	223	591,8	245,4	26,9	54,1	96	150

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

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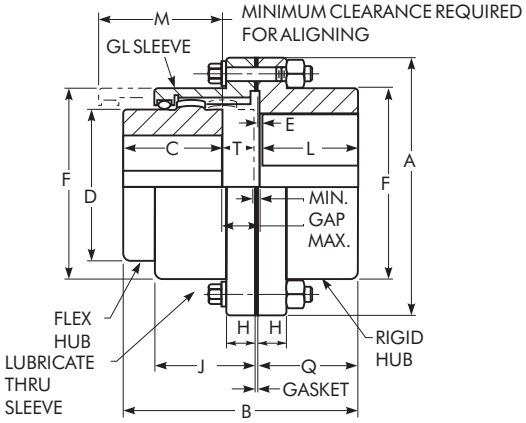
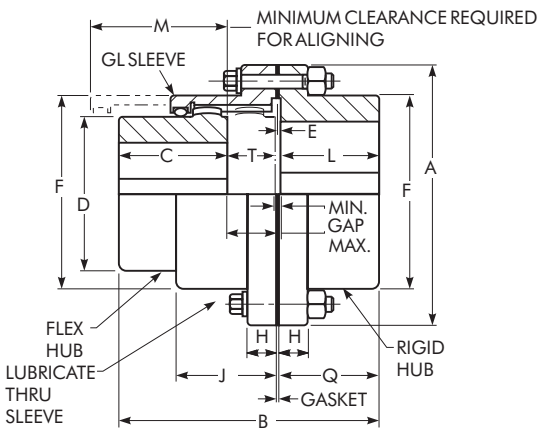
Type GL52 Standard Flanged Sleeve
Slide Single Engagement/Dimensions — Millimeters



Type GL52-1 Long Tooth Sleeve
Reversed Std. Hub



Type GL52-2 Long Tooth Sleeve
Cutoff Long Hub

Choosing an Assembly

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

GL52-1 — Moderate slide capacity, moderate price.
GL52-2 — Greatest slide capacity, highest price.

SIZE ★	Torque Rating (Nm) †	Allow Speed rpm ‡	Max Bore (mm) •		Min Bore (mm) ■	Cplg Wt With No Bore (kg)	Lube Wt (kg)	DIMENSIONS — Millimeters									SIZE ★
			Flex Hub	Rigid Hub				A	C	D	E	F	H	J	L	Q	
1010GL	1 140	5300	50	65	13	4,54	0,0136	115,9	42,9	68,6	2,5	83,8	14,0	38,9	39,6	42,2	**1010GL**
1015GL	2 350	4300	65	80	20	9,07	0,0227	152,4	49,3	86,4	2,5	105,2	19,0	47,8	46,2	48,8	**1015GL**
1020GL	4 270	3700	78	98	26	15,9	0,0363	177,8	62,0	105,2	2,5	126,5	19,0	59,4	58,4	61,0	**1020GL**
1025GL	7 470	3300	98	118	32	29,5	0,0635	212,7	77,0	130.6	2,5	154,9	21,8	71,6	73,7	76,2	**1025GL**
1030GL	12 100	2900	111	140	39	43,1	0,1134	239,7	91,2	152,4	2,5	180,3	21,8	83,8	87,9	90,4	**1030GL**
1035GL	18 500	2600	134	163	51	68,0	0,1814	279,4	106,4	177,8	2,5	211,3	28,4	97,5	102,1	104,6	**1035GL**
1040GL	30 600	2400	160	196	64	99,8	0,2722	317,5	120,6	209,6	4,1	245,4	28,4	111,3	115,3	119,4	**1040GL**
1045GL	42 000	2100	183	216	77	136	0,3402	346,1	134,9	235,0	4,1	274,1	28,4	122,9	130,6	134,6	**1045GL**
1050GL	56 600	1900	200	235	89	195	0,5443	388,9	153,2	254,0	5,1	305,8	38,1	140,7	147,3	152,4	**1050GL**
1055GL	74 000	1800	220	266	102	263	0,7257	425,4	168,1	279,4	5,1	334,3	38,1	158,0	172,7	177,8	**1055GL**
1060GL	90 400	1600	244	290	115	324	0,9616	457,2	188,2	304,8	6,6	366,0	25,4	169,2	186,4	193,0	**1060GL**
1070GL	135 000	1400	289	340	127	510	1,3608	527,0	220,7	355,6	8,4	424,9	28,4	195,6	220,2	228,6	**1070GL**

★ See Page 15 for General Information and Reference Notes

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

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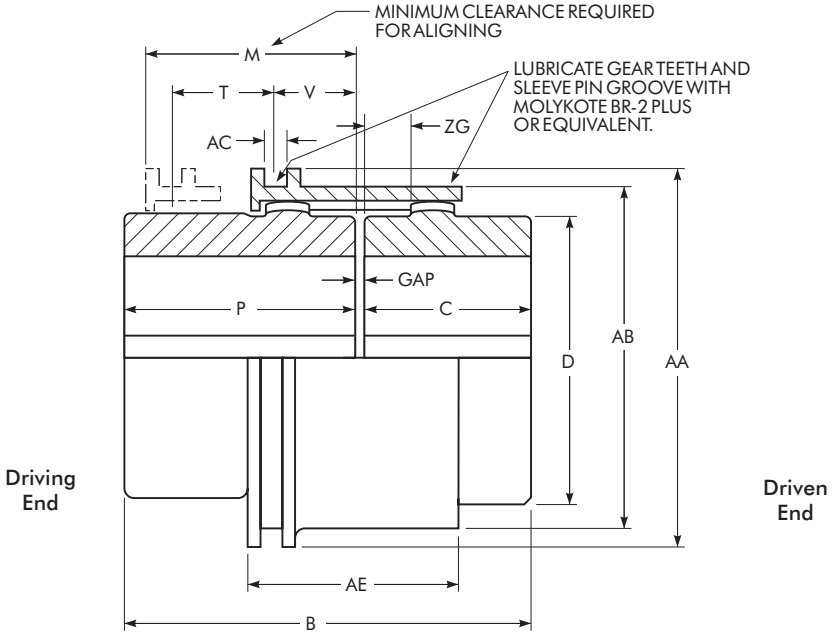
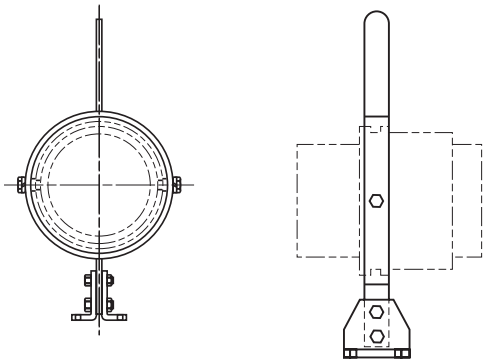
Type G70
Disconnect (Inching Drives)/Dimensions — Millimeters





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

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

★ See Page 15 for General Information and Reference Notes.

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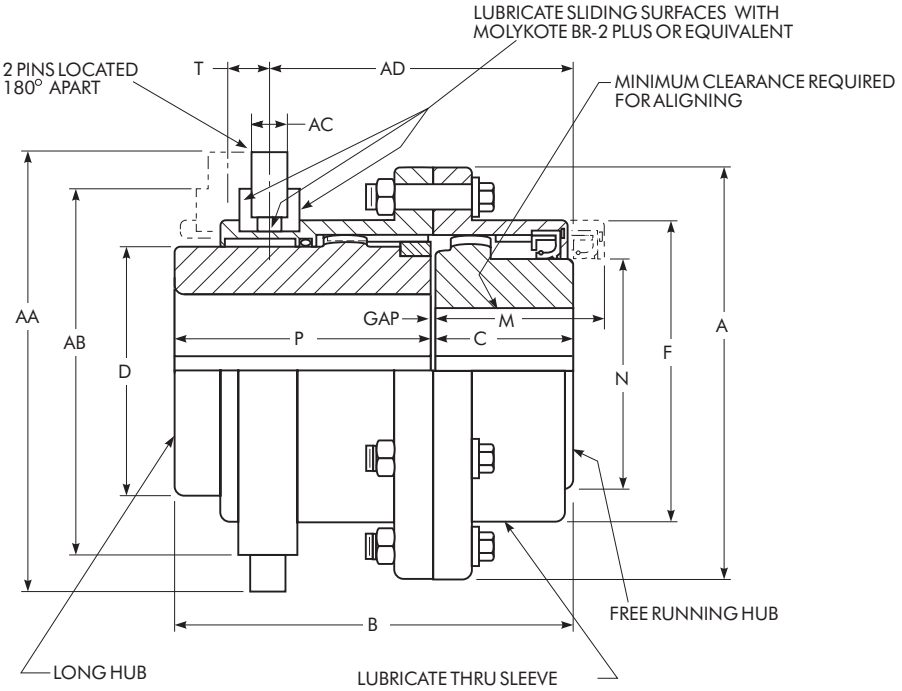
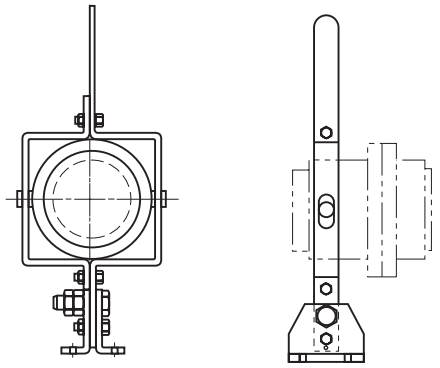
Type G72
Disconnect/Dimensions — Millimeters





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

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

★ See Page 15 for General Information and Reference Notes.

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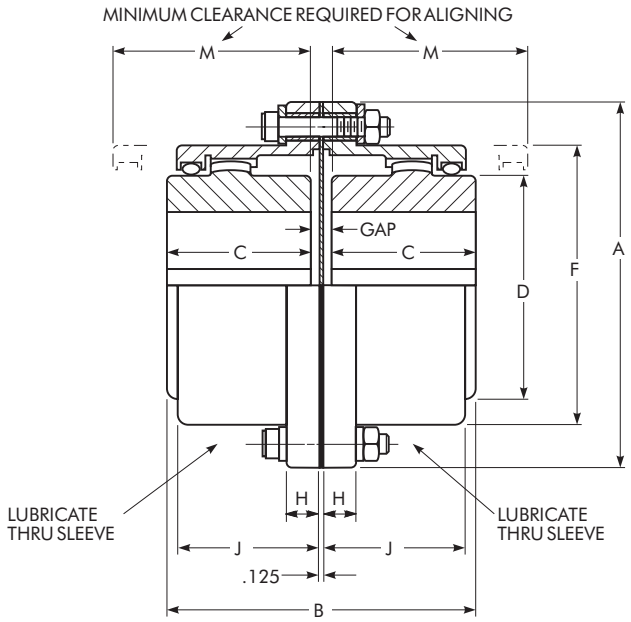
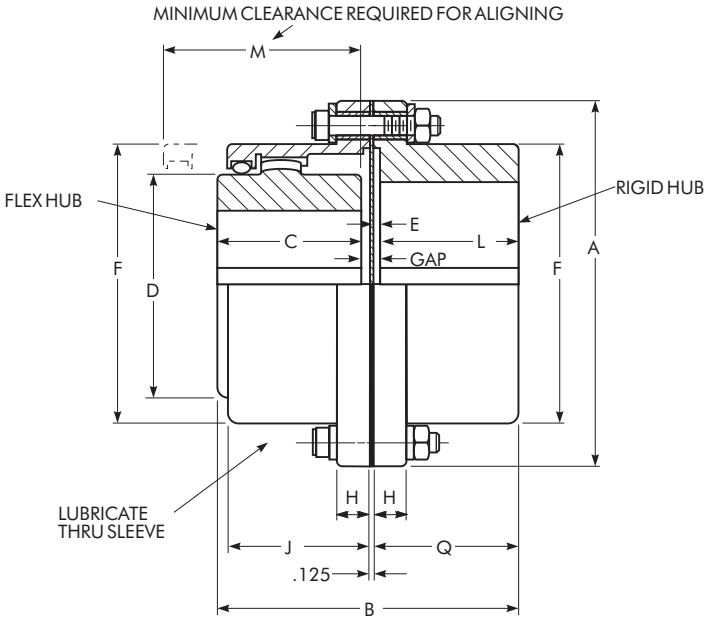
Type GP20/52/82 Standard Flanged Sleeve
Insulated/Dimensions — Millimeters

Type GP20 Double Engagement Coupling



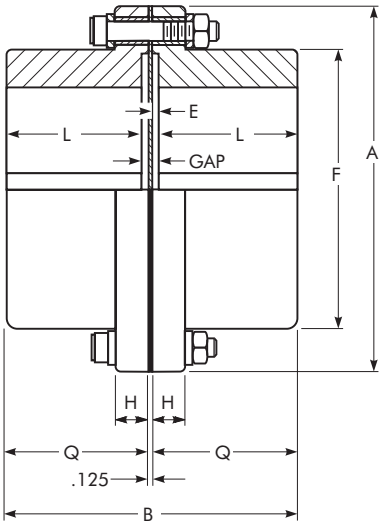
Type GP52 Single Engagement Coupling

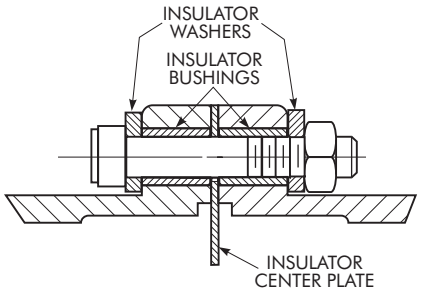


SIZE ★	Torque Rating (Nm) †	Allow Speed rpm ‡	Max Bore (mm) • Flex Hub	Max Bore (mm) • Rigid Hub	Min Bore (mm) ■	Cplg Wt With No Bore-kg GP20	Cplg Wt With No Bore-kg GP52	Cplg Wt With No Bore-kg GP82	Lube Wt-kg GP20	Lube Wt-kg GP52
1025G	7 470	5000	98	118	32	29,5	27,2	27,2	0,2268	0,1179
1030G	12 100	4400	111	140	39	43,1	43,1	43,1	0,3629	0,1814
1035G	18 500	3900	134	163	51	68,0	68,0	70,3	0,5443	0,2722
1040G	30 600	3600	160	196	64	97,5	99,8	102,1	0,9072	0,4672
1045G	42 000	3200	183	216	77	136.1	136,1	140,6	1,04	0,5670
1050G	56 600	2900	200	235	89	190,5	195,0	204,1	1,77	0.9072
1055G	74 000	2650	220	266	102	249,5	263,1	281,2	2,22	1,13
1060G	90 400	2450	244	290	115	306,2	324,3	335,7	3,18	1,70
1070G	135 000	2150	289	340	127	485,3	508,0	535,2	4,35	2,27

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

Type GP82 Rigid Coupling





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

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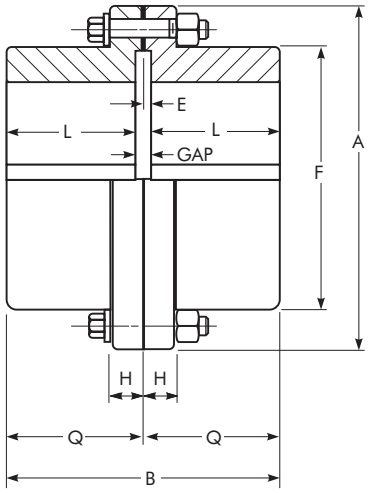
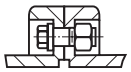
Type G82 Standard Flanged Sleeve
Rigid/Dimensions — Millimeters





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

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

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

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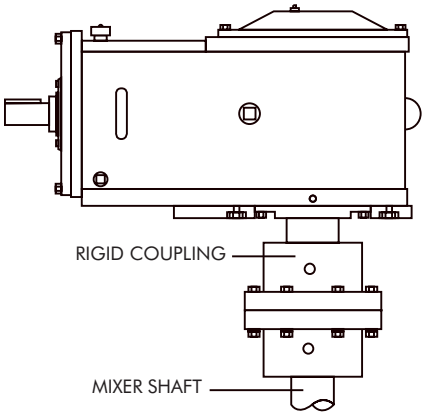
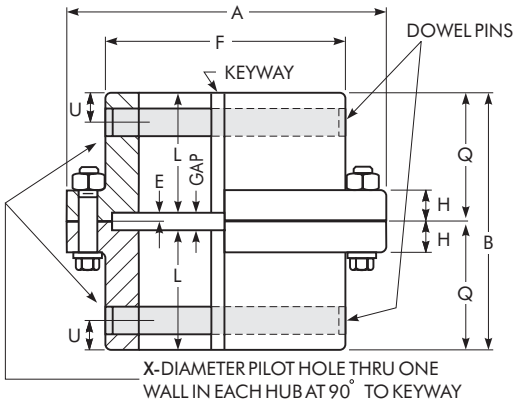
Type GV82 Standard Flanged Sleeve
Rigid Thrust/Dimensions — Millimeters

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

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

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



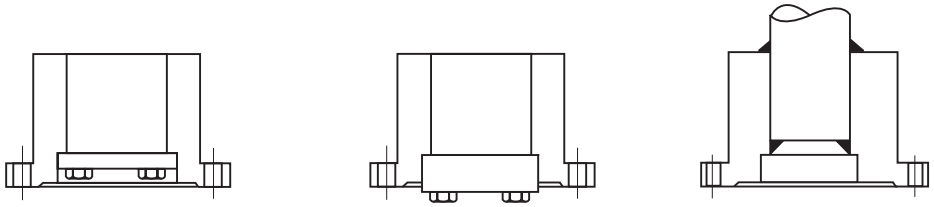


X-DIAMETER PILOT HOLE THRU ONE WALL IN EACH HUB AT 90° TO KEYWAY FOR W-DOWEL. AFTER MOUNTING HUBS, DRILL AND REAM THRU FOR 0,0254 mm TIGHT TO 0,0127 mm LOOSE DOWEL FIT. STAKE DOWELS IN PLACE.

SIZE ★	Torque Rating (Nm) †	Hub Bore Range (mm) •	Cplg Wt With No Bore-kg	DIMENSIONS — Millimeters												SIZE ★
				A	B	E	F	H	L	Q	U	W Dowel Dia x Length	W Dowel Hole-Dia +.0,0127 –.0,0000	X	Gap	
1010GV	1 140	34,9 – 57,2	4,5	115,9	84,3	2,5	83,8	14,0	39,6	42,2	9,7	9,5 x 81,8	9,5	8,7	5	**1010GV**
1015GV	2 350	41,3 – 69,8	9,1	152,4	97,5	2,5	105,2	19,0	46,2	48,8	12,7	12,7 x 103,1	12,7	11,9	5	**1015GV**
1020GV	4 270	63,5 – 82,6	15,9	177,8	121,9	2,5	126,5	19,0	58,4	61,0	19,1	19,1 x 124,0	19,0	18,3	5	**1020GV**
1025GV	7 470	82,6 – 101,6	27,2	212,7	152,4	2,5	154,9	21,8	73,7	76,2	25,4	25,4 x 151,9	25,4	23,8	5	**1025GV**
1030GV	12 100	88,9 – 114,3	43,1	239,7	180,8	2,5	180,3	21,8	87,9	90,4	28,4	28,6 x 176,8	28,5	27,0	5	**1030GV**
1035GV	18 500	101,6 – 133,4	70,3	279,4	209,3	2,5	211,3	28,4	102,1	104,6	31,8	31,8 x 208,3	31,7	30,2	5	**1035GV**
1040GV	30 600	114.3 – 158,8	102	317,5	238,8	4,1	245,4	28,4	115,3	119,4	35,1	34,9 x 241,8	34,9	33,4	8	**1040GV**
1045GV	42 000	127,0 – 177,8	141	346,1	269,2	4,1	274,1	28,4	130,6	134,6	38,1	38,1 x 270,3	38,1	36,5	8	**1045GV**
1050GV	56 600	146,0 – 196,8	204	388,9	304,8	5,1	305,8	38,1	147,3	152,4	44,5	44,4 x 301,2	44,4	42,9	10	**1050GV**
1055GV	74 000	146,0 – 215,9	281	425,4	355,6	5,1	334,3	38,1	172,7	177,8	44,5	44,4 x 330,2	44,4	42,9	10	**1055GV**
1060GV	90 400	171,4 – 235,0	336	457,2	386,1	6,6	366,0	25,4	186,4	193,0	50,8	50,8 x 361,2	50,8	49,2	13	**1060GV**
1070GV	135 000	171,4 – 273,1	535	527,0	457,2	8,4	424,9	28,4	220,2	228,6	50,8	50,8 x 420,6	50,8	49,2	17	**1070GV**

★ Refer to Page 15 for General Information and other Reference Notes.
♦ Dowels: diameters, +0,000,-.0,025 mm material, AISI 4140 hardness, 310-350HB; furnished by the Factory . Customer is responsible for checking and furnishing driven shaft with satisfactory capacity.

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



KEEPER PLATE | REGISTERED KEEPER PLATE | WELDED

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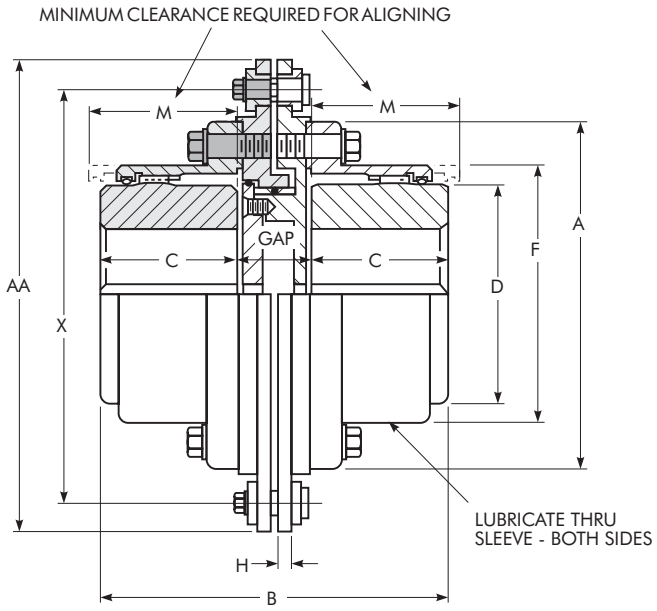
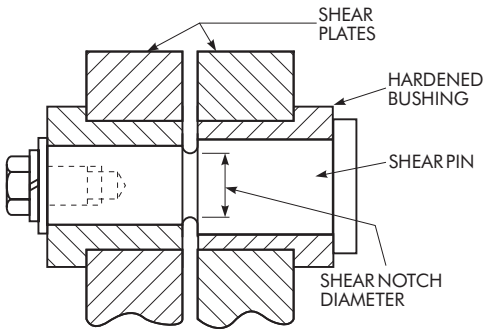
Type GR20 Standard Flanged Sleeve

Shear Pin/Double Engagement Dimensions — Millimeters





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

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

TABLE 8 — Shear Pin Design Criteria

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

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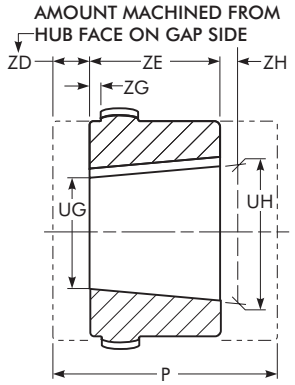
Type G Standard Flanged Sleeve

Mill Motor & Taper Bores/Metric Equivalent Dimensions — Millimeters



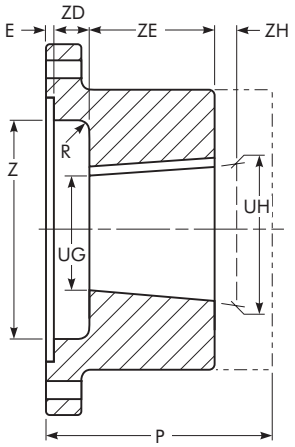


TABLE 9 — Standard AISE AC & DC Mill Motor Coupling Selections

Motor Frame Sizes			COUPLING SIZE ★	E (mm)	R (mm)	UG (mm)	UH (mm)	Keyway (mm)	Z (mm)	ZD (mm)	ZE (mm)	ZG (mm)	ZH (mm) +,XXX −,000
2 602	**802 A, B & C**	**AC 1, 2 & 4**	1015G 1020G 1025G	2,5 2,5 2,5	7,9	36,5	44,4	12,7 x .6,4	82,6	23,9	76,2	1,5 5,6 12,4	0,6
603 604	**803 804**	**...**	1015G 1020G 1025G 1030G	2,5 2,5 2,5 2,5	9,7	41,5	50,8	12,7 x 6,4	85,7	25,4	88,9	0,0 4,1 10,9 19,1	0,7
606	**806**	**AC 8 &12**	1020G 1025G 1030G 1035G	2,5 2,5 2,5 2,5	9,7	52,9	63,5	12,7 x 6,4	101,6	28,4	101,6	1,0 7,6 15,7 25,4	0,7
608	**808**	**...**	1025G 1030G 1035G 1040G	2,5 2,5 2,5 4,1	12,7	64,3	76,2	19,0 x 6,4	133,4	31,8	114,3	4,6 12,7 22,4 32,0	0,7
610	**810**	**AC180**	1025G 1030G 1035G 1040G	2,5 2,5 2,5 4,1	12,7	70,6	82,6	19,0 x 6,4	142,9♦	35,1	114,3	1,3 9,7 19,3 29,0	0,9
612	**812**	**AC 25 & 30**	1030G 1035G 1040G 1045G	2,5 2,5 4,1 4,1	12,7	78,8	92,1	19,0 x 6,4	158,8	38,1	127,0	6,4 16,0 25,7 32,3	0,9
614	**814**	**AC 40 & 50**	1035G 1040G 1045G 1050G	2,5 4,1 4,1 5,1	12,7	94,7	108,0	25,4 x 9,5	174,6	41,1	127,0	12,7 22,6 29,2 40,6	0,9
616	**816**	**...**	1035G 1040G 1045G 1050G	2,5 4,1 4,1 5,1	15,7	102,9	115,8 ✱ 117,5 117,5 117,5	31,8 x 9,5	195,3 200,0 200,0 200,0	44,4	123,7 ✱ 139,7 139,7 139,7	9,7 19,3 25,9 37,1	0,9
618	**818**	**...**	1040G 1045G 1050G	4,1 4,1 5,1	15,7	111,1	127,0	31,8 x 12,7	212,7	33,5	152,4	30,5 37,3 48,5	1,0
620	**820**	**...**	1045G 1050G 1055G	4,1 5,1 5,1	19,0	131,4	149,2	38,1 x 19,0	247,6	44,4	171,4	25,9 37,3 51,3	1,0
622	**822**	**...**	1045G 1050G 1055G 1060G	4,1 5,1 5,1 6,6	19,0	139,6	158,8	38,1 x 19,0	247,6	60,2	184,2	10,2 21,6 35,3 41,7	1,0
624	**824**	**...**	1050G 1055G 1060G 1070G	5,1 5,1 6,6 8,4	19,0	153,3	177,8	38,1 x 19,0	247,6	60,2	235,0	21,3 35,3 41,7 59,7	1,0

★ See Page 15 for General Information and other Reference Notes. Minimum coupling selections are based on coupling bore capacity. Check coupling rating for all selections. Refer to Pages 19 & 21 for coupling dimensions.
♦ Spanner wrench required for Size 1025G.
✱ For rigid hub only.

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

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

▲ This table specifies the taper bore limitations for the usual requirements. For hubs longer than those listed, refer to the Factory.
♣ Standard Long Hub length, consult the Factory for longer lengths.
♥ Keyway for keys shown in Table 11, Page 37.

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

MILLIMETERS (Per ISO R773 Standard)

Shaft Diameter		Key	Shaft Diameter		Key	Shaft Diameter		Key	Shaft Diameter		Key
Over	Through		Over	Through		Over	Through		Over	Through	
6	8	2 x 2	38	44	12 x 8	95	110	28 x 16	260	290	63 x 32
8	10	3 x 3	44	50	14 x 9	110	130	32 x 18	290	330	70 x 36
10	12	4 x 4	50	58	16 x10	130	150	36 x 20	330	380	80 x 40
12	17	5 x 5	58	65	18 x11	150	170	40 x 22	380	440	90 x 45
17	22	6 x 6	65	75	20 x12	170	200	45 x 25	440	500	100 x 50
22	30	8 x 7	75	85	22 x14	200	230	50 x 28	. . .	. . .	. . .
30	38	10 x 8	85	95	25 x14	230	260	56 x 32	. . .	. . .	. . .

INCHES (Per ANSI B17.1 Standard)

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

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

50 HERTZ METRIC MOTORS (kW)

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

NEMA 60 HERTZ MOTORS (hp)

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

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Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

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

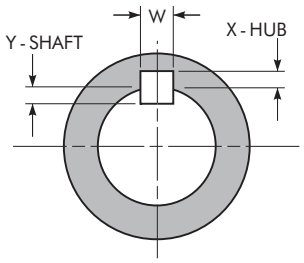
SIZE ★	MILLIMETERS — Fits Per Table 12				INCHES										
	Min Bore ■	Max. Bore •			With One Square Key			With One Rectangular Key						Max Bore •	
		Std Bore Fits Per Table 15	Int Fit w/Setscrew Over Keyway	With Puller Holes Per Table 17	Max Bore •	Y=X		Max Bore •	Y = X		Max Bore •	Y=W/2		Int Fit w/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

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

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

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

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



Check Key Stresses

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

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

♦ Per DIN 748 — Differs with ISO/R775.

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Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

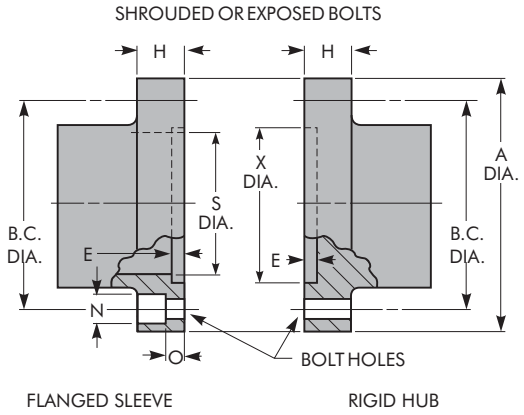


TABLE 16 — Flanged Sleeve and Rigid Hub Details

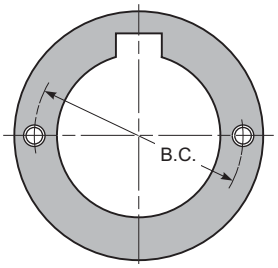
SIZE ★	Shrouded or Exposed Bolts - Millimeters					Shrouded				Exposed	
	A + 0,00– 0,10	E ± 0,25	H	S ± 0,25	X ± 0,25	B.C. (mm)	Bolt No.-Dia (in)	N (mm)	O (mm)	B.C. (mm)	Bolt No.-Dia (in)
1010G	115,87	2,54	14,0	77,72	80,77	95,25	6-.250	11,7	6,35	95,25	6-.250
1015G	152,40	2,54	19,0	96,77	99,57	122,22	8-.375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

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

SIZE ★	B.C. — Millimeters		Tap Size UNC
	Flex Hub/Pilot Hub	Rigid Hub	
1010G/GC ✱	52,32	66,68	M10 x 1.5 x 13
1015G/GC ✱	69,85	85,73	M10 x 1.5 x 13
1020G/GC	88,90	107,95	M10 x 1.5 x 13
1025G/GC	112,78	133,10	M10 x 1.5 x 13
1030G/GC	128,52	156,46	M10 x 1.5 x 13
1035G/GC	152,40	182,37	M12 x 1.75 x 16
1040G	180,98	209,80	M16 x 2.0 x 20
1045G	200,03	233,17	M16 x 2.0 x 20
1050G	215,90	259,08	M20 x 2.5 x 22
1055G	238,13	284,48	M20 x 2.5 x 22
1060G	263,53	316,48	M20 x 2.5 x 22
1070G	311.15	368.30	M24 x 3.0 x 30

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

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



Puller bolt holes are available for an extra charge.

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Engineering Data — Standard Flanged Sleeve & Continuous Sleeve

TABLE 18 — Torsional Stiffness (x 10^6 Nm/Radian)

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

TABLE 19 — WR ² Values

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

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

♦ To determine total WR^2 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^2 and add to coupling WR^2 at minimum BE.

✱ Values apply to the tube portion only. Flange WR^2 is included in the spacer WR^2 for minimum BE.

TABLE 20 — Standard Filleted Keyways & Chamfered Keys — Millimeters

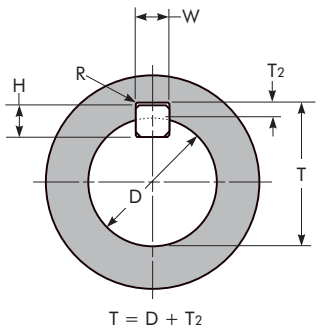
Nominal Bore		Key			Hub Keyway				
Over	Thru	Size (Nominal)	Chamfer		Nominal Width ●	Depth (T_2) ■		Fillet Radius	
			Minimum	Maximum		Minimum	Maximum	Minimum	Maximum
12	17	5 x 5	0,25	0,40	5	2,3	2,4	0,16	0,25
17	22	6 x 6	0,25	0,40	6	2,8	2,9	0,16	0,25
22	30	8 x 7	0,25	0,40	8	3,3	3,5	0,16	0,25
30	38	10 x 8	0,40	0,60	10	3,3	3,5	0,25	0,40
38	44	12 x 8	0,40	0,60	12	3,3	3,5	0,25	0,40
44	50	14 x 9	0,40	0,60	14	3,8	4,0	0,25	0,40
50	58	16 x 10	0,40	0,60	16	4,3	4,5	025	0,40
58	65	18 x 11	0,40	0,60	18	4,4	4,6	0,25	0,40
65	75	20 x 12	0,60	0,80	20	4,9	5,1	0,40	0,60
75	85	22 x 14	0,60	0,80	22	5,4	5,6	0,40	0,60
85	95	25 x 14	0,60	0,80	25	5,4	5,6	0,40	0,60
95	110	28 x 16	0,60	0,80	28	6,4	6,6	0,40	0,60
110	130	32 x 18	0,60	0,80	32	7,4	7,6	0,40	0,60
130	150	36 x 20	1,00	1,20	36	8,4	8,7	0,70	1,00
150	170	40 x 22	1,00	1,20	40	9,4	9,7	0,70	1,00
170	200	45 x 25	1,00	1,20	45	10,4	10,7	0,70	1,00
200	230	50 x 28	1,00	1,20	50	11,4	11,7	0,70	1,00
230	260	56 x 32	1,60	2,00	56	12,4	12,7	1,20	1,60
260	290	63 x 32	1,60	2,00	63	12,4	12,7	1,20	1,60
290	330	70 x 36	1,60	2,00	70	14,4	14,7	1,20	1,60

● Standard keyway width tolerance is Js9.

■ T_2 is from the top of the bore to the top of the hub keyway.

Standard Filleted Keyways & Chamfered Keys

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



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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.

Double Engagement Couplings

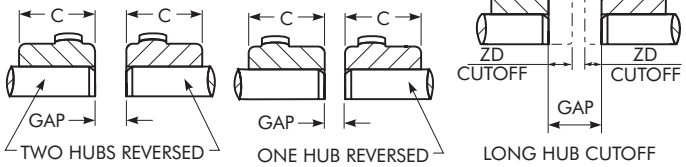


Figure 1 Figure 2 Figure 3

Single Engagement Couplings

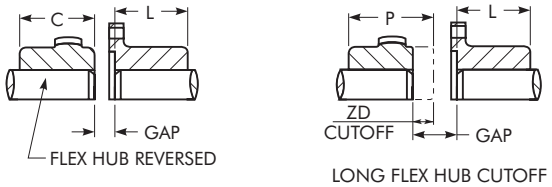


Figure 4 Figure 5

TABLE 21 — Type G Only Variable Gap — Millimeters

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

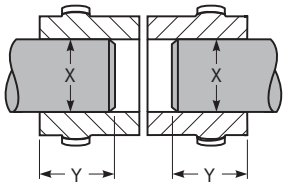
★ See Page 15 for General Information and other Reference Notes.
♦ Standard gap must be increased by the amount cut off the hub, to maintain the correct flex hub tooth position.

MISALIGNMENT CAPACITY — Shaft misalignment can be due to the combined effects of both parallel and angular shaft displacement. Falk 1000 series gear couplings are designed to accommodate a static misalignment of 1-$^1/_2$° per gear mesh. The recommended installation misalignment is limited to $^1/_8$° per gear mesh. Axial movement of connected shafts is also accommodated.

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

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

Dimension Y must be equal to or greater than Dimension X times .75. If not, use long hubs.



Double Engagement Single Engagement

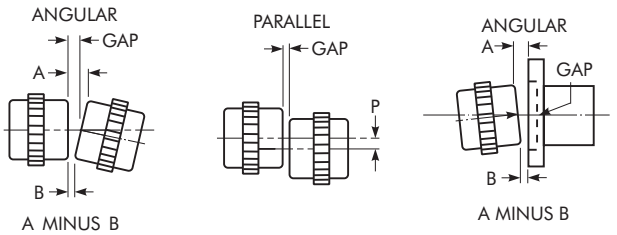


TABLE 22 — Misalignment Capacity – Millimeters *

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

✱ These maximum operating alignment limits are each based on 3/4 ° per flex half coupling. Combined values of parallel and angular misalignment should not exceed 3/4 °. Type GL slide couplings are limited to 1/4 ° per flex half.
▲ Do not use single engagement couplings to compensate for parallel offset misalignment.

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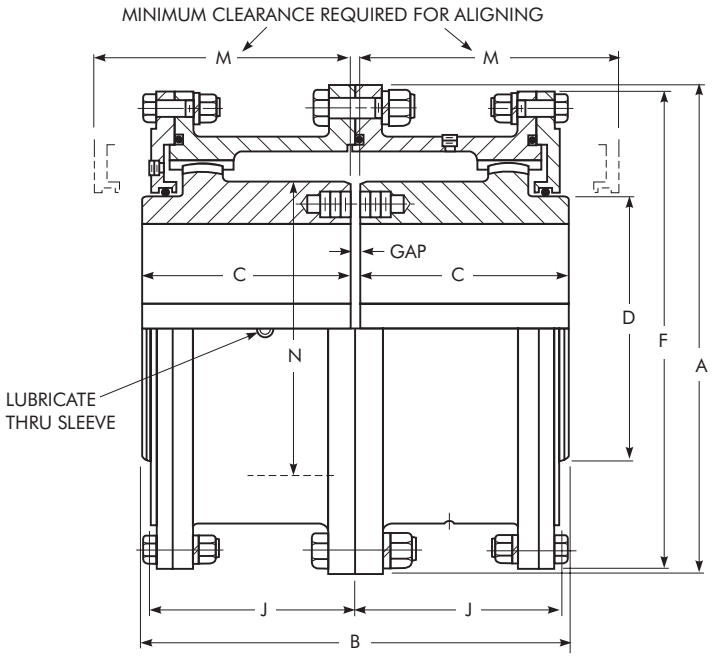
Type G20 Large Flanged Sleeve
Double Engagement/Dimensions — Millimeters



SIZE ★	Torque Rating (Nm) † (millions)		Allow Speed rpm ‡	Max. Bore (mm) •	Min Bore (mm) ■	Cplg Wt With No Bore (kg)	Lube Wt (kg)	DIMENSIONS — Millimeters								
	1000 Series	2000 Series						A	B	C	D	F	J	M	N	Gap
1080/2080G	0,170	0,234	1750	266	101,60	703	9,5	590,6	508,5	249,2	355,6	571,5	242,8	300,0	368,3	10
1090/2090G	0,226	0,315	1550	290	114,30	984	12,2	660,4	565,4	276,4	393,7	641,4	265,2	327,2	419,1	13
1100/2100G	0,310	0,443	1450	320	127,00	1 302	15,0	711,2	622,3	304,8	444,5	698,5	293,6	355,6	469,9	13
1110/2110G	0,413	0,609	1330	373	139,70	1 678	17,7	774,7	679,2	333,2	495,3	749,3	322,3	384,0	520,7	13
1120/2120G	0,555	0,777	1200	400	152,40	2 114	20,9	838,2	717,8	352,6	546,1	825,5	341,4	403,4	571,5	13
1130/2130G	0,719	0,925	1075	440	165,10	2 595	32,7	911,4	761,7	371,3	584,2	886,0	362,0	434,8	609,6	19
1140/2140G	0,911	1,140	920	460	177,80	3 107	33,1	965,2	806,4	393,2	635,0	939,8	378,0	457,2	660,4	19
1150/2150G	1,100	1,350	770	490	190,50	3 765	40,8	1 028,7	857,2	419,1	685,8	1003,3	407,9	482,6	711,2	19
1160/2160G	1,310	1,640	650	525 ♦♣	254,00	4 708	43,1	1 111,2	908,0	441,3	736,6	1 085,9	419,1	501,6	762,0 ♦	25
1180/2180G	1,660	2,140	480	600 ♦♣	285,75	6 260	49,9	1 219,2	939,8	457,2	838,2	1 193,8	434,8	520,7	863,6 ♦	25
1200/2200G	2,140	2,850	370	660 ♦♣	317,50	8 582	68,0	1 358,9	1 098,6	536,6	927,1	1 308,1	514,4	635,0	965,2 ♦	25
1220/2220G	2,720	3,560	290	725 ♦♣	349,25	11 685	107	1 511,3	1 193,8	584,2	1 016,0	1 473,2	565,2	685,8	1 066,8 ♦	25
1240/2240G	3,470	4,480	270	810 ♦♣	381,00	14 606	109	1 632,0	1 282,7	628,6	1 130,3	1 581,2	606,6	723,9	1 168,4 ♦	25
1260/2260G	4,490	5,480	250	880 ♦♣	412,75	17 799	122	1 746,2	1 371,6	673,1	1 231,9	1 695,4	647,7	774,7	1 270,0 ♦	25
1280/2280G	5,840	6,760	230	950 ♦♣	444,50	21 192	136	1 866,9	1 409,7	692,9	1 333,5	1 803,4	666,8	793,8	1 371,6 ♦	25
1300/2300G	6,760	8,190	220	1 025 ♦♣	476,25	24 807	150	1 974,8	1 447,8	711,2	1 435,1	1 911,4	685,8	800,1	1 473,2 ♦	25

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

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

♣ **Note:** There is no standardization of metric keys and keyways for bores greater than 500 mm. Maximum bores for flex hubs 1150G and larger are based on a hub diameter to bore ratio of 1.4.

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

SIZE	B	End Float ▲	Gap Disc *		Gap
			Thickness	Diameter	
1080/2080G	517,1	4,78	16	416	18
1090/2090G	577,3	4,78	22	470	25
1100/2100G	634,2	4,78	22	521	25
1110/2110G	691,1	4,78	22	568	25
1120/2120G	729,7	4,78	22	622	25
1130/2130G	778,5	4,78	33	676	36
1140/2140G	822,2	4,78	33	727	36
1150/2150G	874.0	4.78	33	778	36

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

✱ Gap disc material: Neoprene, 70 durometer.

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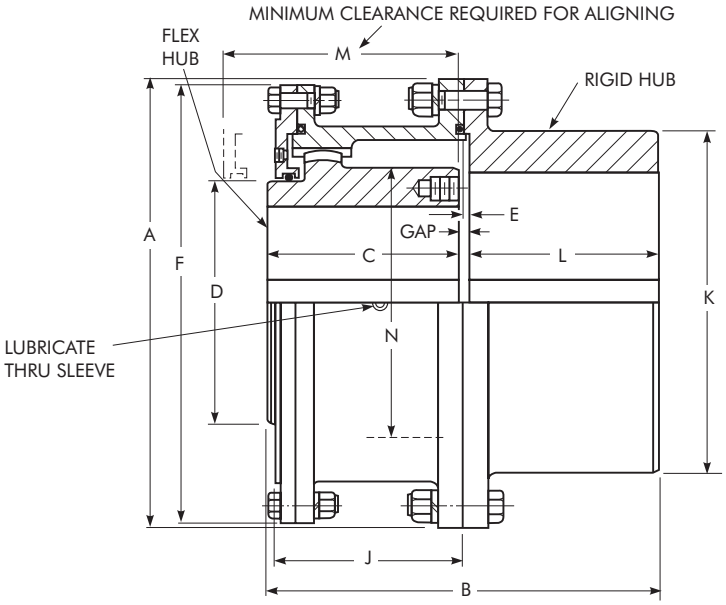
Type G52 Large Flanged Sleeve
Single Engagement/Dimensions — Millimeters

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



SIZE ★	Torque Rating (Nm) (millions) †		Allow Speed rpm ‡	Max Bore (mm) •		Min Bore (mm) ■	Cplg Wt With No Bore (kg)	Lube Wt (kg)	DIMENSIONS — Millimeters												
	1000 Series	2000 Series		Flex Hub	Rigid Hub				A	B	C	D	E	F	J	K *	L	M	N	Gap
1080/2080G	0,170	0,234	1750	266	340	101,60	699	5	590,6	511,0	249,4	355,6	8,1	571,5	242,8	450,8	248,9	300,0	368,3	13
1090/2090G	0,226	0,315	1550	290	380	114,30	984	6	660,4	566,4	276,4	393,7	8,1	641,4	265,2	508,0	275,8	327,2	419,1	14
1100/2100G	0,310	0,443	1450	320	400	127,00	1 252	8	711,2	625,3	304,8	444,5	9,7	698,5	293,6	530,4	304,8	355,6	469,9	16
1110/2110G	0,413	0,609	1330	373	440	139,70	1 637	9	774,7	682,2	333,2	495,3	9,7	749,3	322,3	584,2	333,2	384,0	520,7	16
1120/2120G	0,555	0,777	1200	400	483	152,40	2 077	11	838,2	720,6	352,6	546,1	9,7	825,5	341,4	647,7	352,3	403,4	571,5	16
1130/2130G	0,719	0,925	1075	440	500 ♣	165,10	2 572	17	911,4	761,7	371,3	584,2	9,7	886,0	362,0	708,2	371,3	434,8	609,6	19
1140/2140G	0,911	1,140	920	460	535 ♣	177,80	3 062	17	965,2	805,9	393,2	635,0	9,7	939,8	378,0	749,3	393,7	457,2	660,4	19
1150/2150G	1,100	1,350	770	490	580 ♣	190,50	3 751	21	1 028,7	857,2	419,1	685,8	9,7	1 003,3	407,9	812,8	419,1	482,6	711,2	19
1160/2160G	1,310	1,640	650	525♦♣	630 ♦♣	254,00	4 631	22	1 111,2	908,3	441,3	736,6	12,7	1 085,8	419,1	886,0 ♦	441,5	501,6	762,0 ♦	25
1180/2180G	1,660	2,140	480	600♦♣	710 ♦♣	285,75	6 069	25	1 219,2	939,8	457,2	838,2	12,7	1 193,8	434,8	993,6 ♦	457,2	520,7	863,6 ♦	25
1200/2200G	2,140	2,850	370	660♦♣	780 ♦♣	317,50	8 482	34	1 358,9	1 098,6	536,6	927,1	12,7	1 308,1	514,4	1 095,2 ♦	536,4	635,0	965,2 ♦	25
1220/2220G	2,720	3,560	290	725♦♣	890 ♦♣	349,25	11 680	54	1 511,3	1 196,8	584,2	1 016,0	15,7	1 473,2	565,2	1 244,6 ♦	584,2	685,8	1 066,8 ♦	28
1240/2240G	3,470	4,480	270	810♦♣	940 ♦♣	381,00	14 388	57	1 632,0	1 285,7	628,6	1 130,3	15,7	1 581,2	606,6	1 314,7 ♦	628,6	723,9	1 168,4 ♦	28
1260/2260G	4,490	5,480	250	880♦♣	1 015 ♦♣	412,75	17 722	61	1 746,2	1 374,6	673,1	1 231,9	15,7	1 695,5	647,7	1 422,4 ♦	673,1	774,7	1 270,0 ♦	28
1280/2280G	5,840	6,760	230	950♦♣	1 090 ♦♣	444,50	21 110	70	1 866,9	1 412,2	691,9	1 333,5	15,7	1 803,4	666,8	1 530,6 ♦	691,9	793,8	1 371,6 ♦	28
1300/2300G	6,760	8,190	220	1 025♦♣	1 170 ♦♣	476,25	24 712	77	1 974,8	1 450,8	711,2	1 435,1	15,7	1 911,4	685,8	1 638,3 ♦	711,2	800,1	1 473,2 ♦	28

★ See Page 15 for General Information and other Reference Notes.
♦ Reduced shank diameter hubs are available where required bore permits. See Table 31, Page 53 for selection.
✱ Dimension K may be an "as cast" surface depending upon coupling size and bore.
♣ **Note:** There is no standardization of metric keys and keyways for bores greater than 500 mm.
Maximum bores for flex hubs 1150G and rigid hubs 1130G and larger are based on a hub diameter to bore ratio of 1.4.

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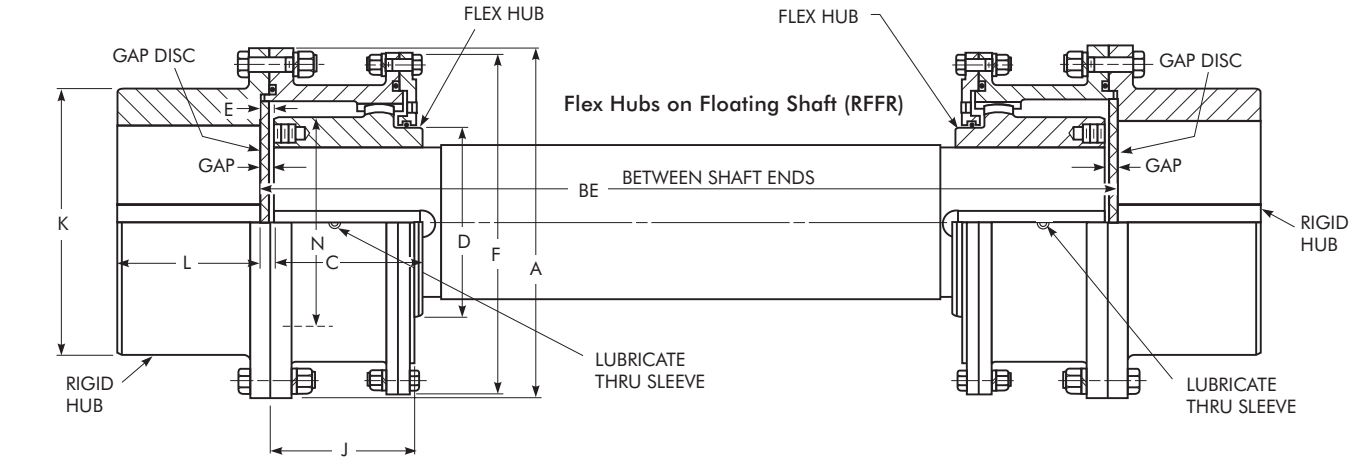
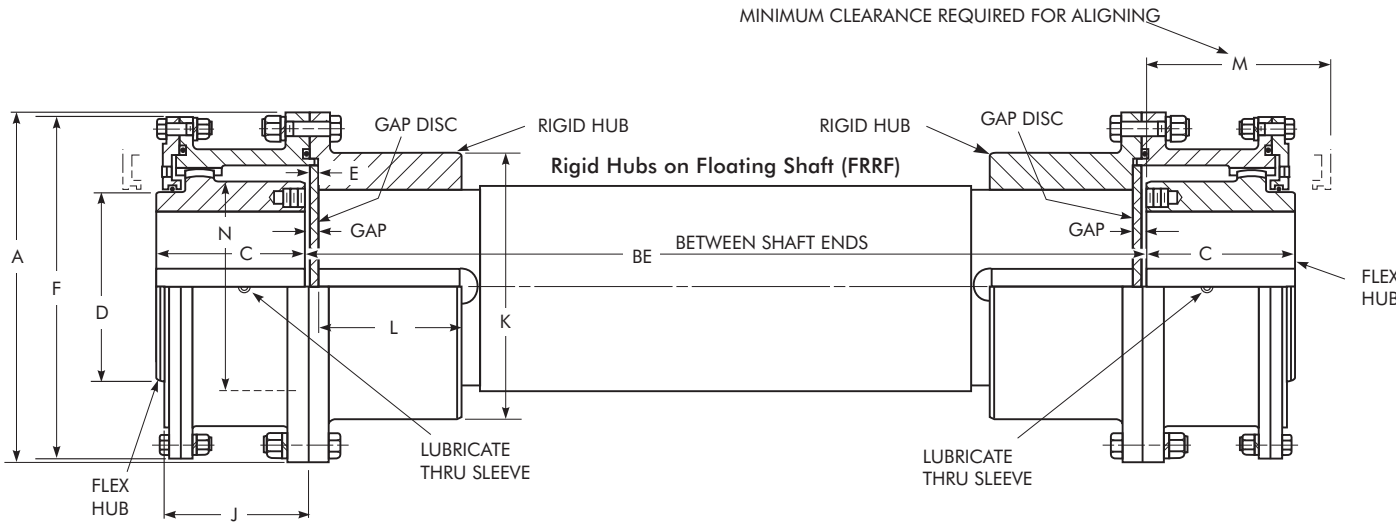
Type G52 Large Flanged Sleeve
Floating Shaft Single Engagement/Dimensions — Millimeters





SIZE ★	Torque Rating (Nm) † (millions) 1000 Series	Torque Rating (Nm) † (millions) 2000 Series	Allow Speed rpm ▲	Max Bore (mm) • Flex Hub	Max Bore (mm) • Rigid Hub	One Cplg Wt With No Bore (kg)	One Cplg Lube Wt (kg)	DIMENSIONS – Millimeters A	BE Min RFFR	BE Min FRRF	C	D	E	F	J	K *	L	M	N	Gap
1080/2080G	0,170	0,234	1300	266	340	699	5	590,6	774,7	549,1	249,4	355,6	8,1	571,5	242,8	450,8	248,9	300,0	368,3	13
1090/2090G	0,226	0,315	1160	290	380	984	6	660,4	825,5	606,6	276,4	393,7	8,1	641,4	265,2	508,0	275,8	327,2	419,1	14
1100/2100G	0,310	0,443	1090	320	400	1 252	8	711,2	927,1	666,8	304,8	444,5	9,7	698,5	293,6	530,4	304,8	355,6	469,9	16
1110/2110G	0,413	0,609	1000	373	440	1 637	9	774,7	1 028,7	723,9	333,2	495,3	9,7	749,3	322,3	584,2	333,2	384,0	520,7	16
1120/2120G	0,555	0,777	900	400	483	2 077	11	838,2	1 104,9	762,0	352,6	546,1	9,7	825,5	341,4	647,7	352,3	403,4	571,5	16
1130/2130G	0,719	0,925	800	440	500 ♣	2 572	17	911,4	1 130,3	806,4	371,3	584,2	9,7	886,0	362,0	708,2	371,3	434,8	609,6	19
1140/2140G	0,911	1,140	700	460	535 ♣	3 062	17	965,2	1 181,1	850,9	393,2	635,0	9,7	939,8	378,0	749,3	393,7	457,2	660,4	19
1150/2150G	1,100	1,350	580	490	580 ♣	3 751	21	1 028,7	1 295,4	901,7	419,1	685,8	9,7	1 003,3	407,9	812,8	419,1	482,6	711,2	19
1160/2160G	1,310	1,640	490	525♦♣	630♦♣	4 631	22	1 111,2	1 320,8	958,8	441,3	736,6	12,7	1 085,7	419,1	886,0 ♦	441,5	501,7	762,0 ♦	25
1180/2180G	1,660	2,140	360	600♦♣	710♦♣	6 069	25	1 219,2	1 358,9	990,6	457,2	838,2	12,7	1 193,8	434,8	993,6 ♦	457,2	520,7	863,6 ♦	25
1200/2200G	2,140	2,850	280	660♦♣	780♦♣	8 482	34	1 358,9	1 651,0	1 149,4	536,6	927,1	12,7	1 308,1	514,4	1 095,2 ♦	536,4	635,0	965,2 ♦	25
1220/2220G	2,720	3,560	220	725♦♣	890♦♣	11 680	54	1 511,3	1 828,8	1 251,0	584,2	1 016,0	15,7	1 473,2	565,2	1 244,6 ♦	584,2	685,8	1 066,8 ♦	28
1240/2240G	3,470	4,480	200	810♦♣	940♦♣	14 388	57	1 632,0	1 993,9	1 339,8	628,6	1 130,3	15,7	1 581,2	606,6	1 314,7 ♦	628,6	723,9	1 168,4 ♦	28
1260/2260G	4,490	5,480	190	880♦♣	1 015♦♣	17 722	61	1 746,2	2 159,0	1 428,8	673,1	1 231,9	15,7	1 695,4	647,7	1 422,4 ♦	673,1	774,7	1 270,0 ♦	28
1280/2280G	5,840	6,760	175	950♦♣	1 090♦♣	21 110	70	1 866,9	2 222,5	1 454,2	691,9	1 333,5	15,7	1 803,4	666,8	1 530,6 ♦	691,9	793,8	1 371,6 ♦	28
1300/2300G	6,760	8,190	165	1 025♦♣	1 170♦♣	24 712	77	1 974,8	2 286,0	1 505,0	711,2	1 435,1	15,7	1 911,4	685,8	1 638,3 ♦	711,2	800,1	1 473,2 ♦	28

★ See Page 15 for General Information and other Reference Notes.
♦ Reduced shank diameter hubs are available when required bore permits. See Table 31, Page 53 for selection.
✱ Dimension K may be as "as cast" surface depending upon coupling size and bore.
▲ The allowable speed for floating shaft assemblies is the smaller value of either the critical speed of the selected shaft or the cataloged speed of the selected size coupling. The allowable operating speed should be based on torque, misalignment, balance, and other operating requirements for the specific application. If higher speeds are required or special application requirements must be met, consult the Factory for assistance.
♣ See Page 43 for footnote.

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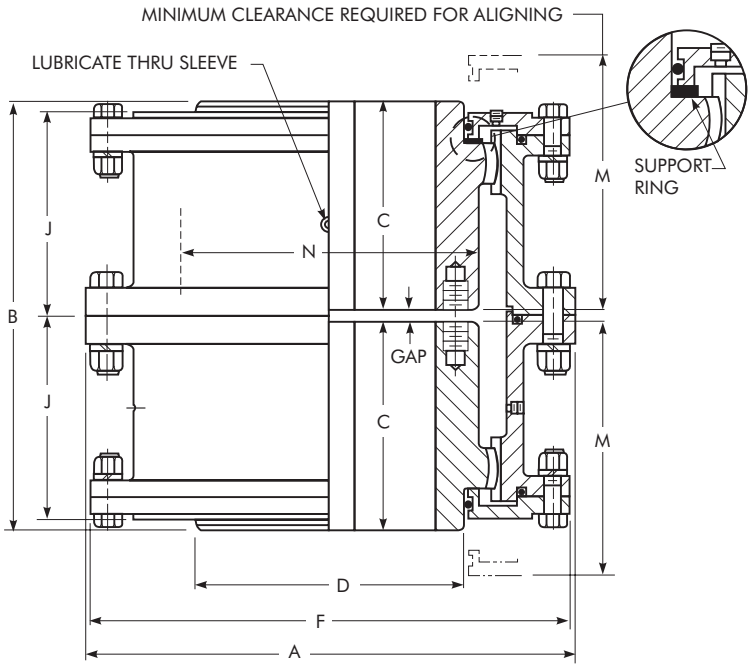
Type GV20 Large Flanged Sleeve
Vertical Double Engagement/Dimensions — Millimeters



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

★ See Page 15 for General Information and other Reference Notes.
♦ Reduced shank diameter hubs are available where bore permits. See Table 31, Page 53, for selections.
♣ **Note:** There is no standardization of metric keys and keyways for bores greater than 500 mm.
Maximum bores for flex hubs 1150G and larger are based on a hub diameter to bore ratio of 1.4.

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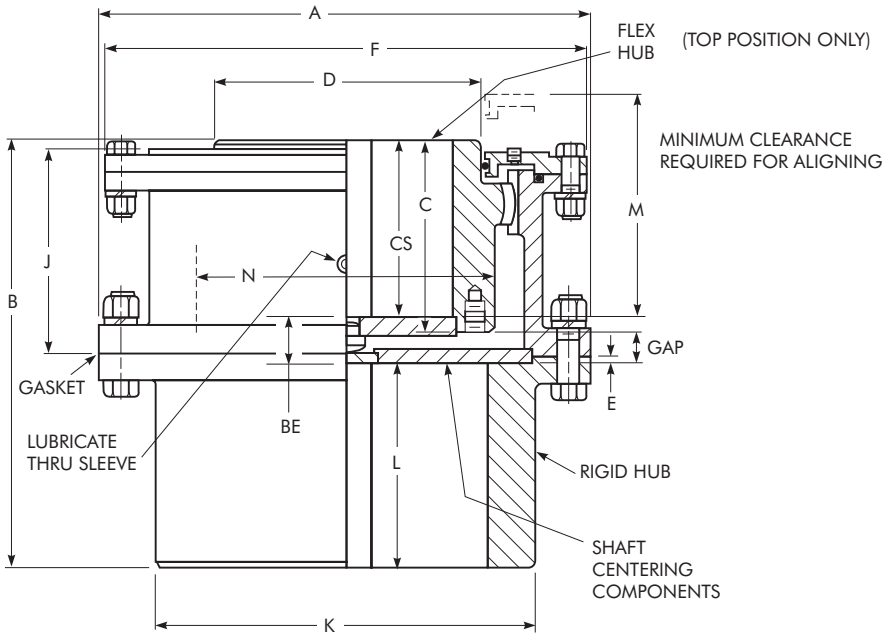
Type GV52 Large Flanged Sleeve

Vertical Single Engagement/Dimensions — Millimeters

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



SIZE ★	Torque Rating (Nm) † (millions)		Allow Speed rpm	Max Bore (mm) •		Min Bore Both Hubs (mm) ■	Cplg Wt. With No Bore (kg)	Lube Wt (kg)	DIMENSIONS — Millimeters													
	1000 Series	2000 Series		Flex Hub	Rigid Hub				A	B	C	D	E	F	J	K *	L	M	N	BE	CS	Gap
1080/2080G	0,170	0,234	1750	266	340	101,60	699	4,99	590,6	511,6	236,7	355,6	8,1	571,5	242,8	450,8	248,9	287,3	368,3	38,6	224,0	26
1090/2090G	0,226	0,315	1550	290	380	114,30	984	6,35	660,4	567,2	261,9	393,7	8,1	641,4	265,2	508,0	275,8	314,5	419,1	42,2	249,2	29
1100/2100G	0,310	0,443	1450	320	400	127,00	1252	7,71	711,2	625,3	288,8	444,5	9,7	698,5	293,6	530,4	304,8	339,9	469,9	48,3	273,1	33
1110/2110G	0,413	0,609	1330	373	440	139,70	1637	9,07	774,7	682,8	317,2	495,3	9,7	749,3	322,3	584,2	333,2	368,3	520,7	48,3	301,5	33
1120/2120G	0,555	0,777	1200	400	483	152,40	2077	10,9	838,2	721,4	336,6	546,1	9,7	825,5	341,4	647,7	352,3	387,4	571,5	48,3	320,8	33
1130/2130G	0,719	0,925	1075	440	500 ♣	165,10	2572	16,8	911,4	762,0	352,0	584,2	9,7	886,0	362,0	708,2	371,3	419,1	609,6	54,9	336,3	39
1140/2140G	0,911	1,140	920	460	535 ♣	177,80	3062	17,2	965,2	806,4	373,9	635,0	9,7	939,8	378,0	749,3	393,7	441,5	660,4	54,9	358,1	39
1150/2150G	1,100	1,350	770	490	580 ♣	190,50	3751	20,9	1 028,7	857,2	399,8	685,8	9,7	1 003,3	407,9	812,8	419,1	466,9	711,2	54,9	384,0	39
1160/2160G	1,310	1,640	650	525♦♣	630♦♣	254,00	4631	21,8	1 111,2	908,0	416,1	736,6	12,7	1 085,8	419,1	886,0 ♦	441,5	482,6	762,0 ♦	70,4	397,0	51
1180/2180G	1,660	2,140	480	600♦♣	710♦♣	285,75	6069	25,4	1 219,2	939,8	431,8	838,2	12,7	1 193,8	434,8	993,6 ♦	457,2	501,6	863,6 ♦	70,4	412,8	51
1200/2200G	2,140	2,850	370	660♦♣	780♦♣	317,50	8482	34,5	1 358,9	1 098,6	511,0	927,1	12,7	1 308,1	514,4	1 095,2 ♦	536,4	616,0	965,2 ♦	70,4	492,3	51
1220/2220G	2,720	3,560	290	725♦♣	890♦♣	349,25	11 680	54,4	1 511,3	1 196,8	555,8	1 016,0	15,7	1 473,2	565,2	1 244,6 ♦	584,2	660,4	1 066,8 ♦	83,3	530,4	58
1240/2240G	3,470	4,480	270	810♦♣	940♦♣	381,00	14 388	56,7	1 632,0	1 285,7	599,9	1 130,3	15,7	1 581,2	606,6	1 314,7 ♦	628,6	698,5	1 168,4 ♦	83,3	574,5	58
1260/2260G	4,490	5,480	250	880♦♣	1 015♦♣	412,75	17 722	61,2	1 746,2	1 374,6	644,7	1 231,9	15,7	1 695,4	647,7	1 422,4 ♦	673,1	749,3	1 270,0 ♦	83,1	619,3	58
1280/2280G	5,840	6,760	230	950♦♣	1 090♦♣	444,50	21 110	70,3	1 866,9	1 412,7	663,4	1 333,5	15,7	1 803,4	666,8	1 530,6 ♦	691,9	768,4	1 371,6 ♦	83,1	638,0	58
1300/2300G	6,760	8,190	220	1 025♦♣	1 170♦♣	476,25	24 712	77,1	1 974,8	1 450,8	682,8	1 435,1	15,7	1 911,4	685,8	1 638,3 ♦	711,2	774,7	1 473,2 ♦	83,1	657,4	58

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

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

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

♣ **Note**: There is no standardization of metric keys and keyways for bores greater than 500 mm. Maximum bores for flex hubs 1150G and rigid hubs 1130G and larger are based on a hub diameter to bore ratio of 1.4.

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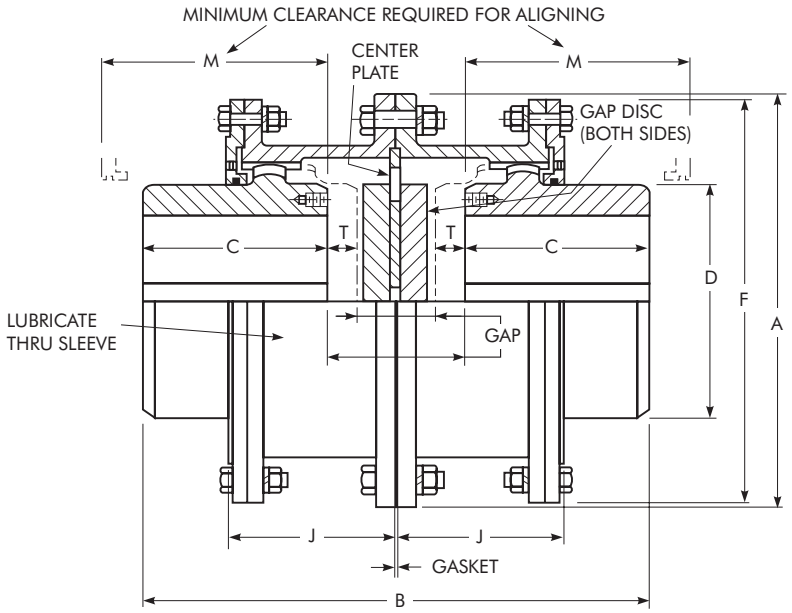
Type GL20-4 Large Flanged Sleeve
Slide Double Engagement/Dimensions — Millimeters



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

★ See Page 15 for General Information and Reference Notes.

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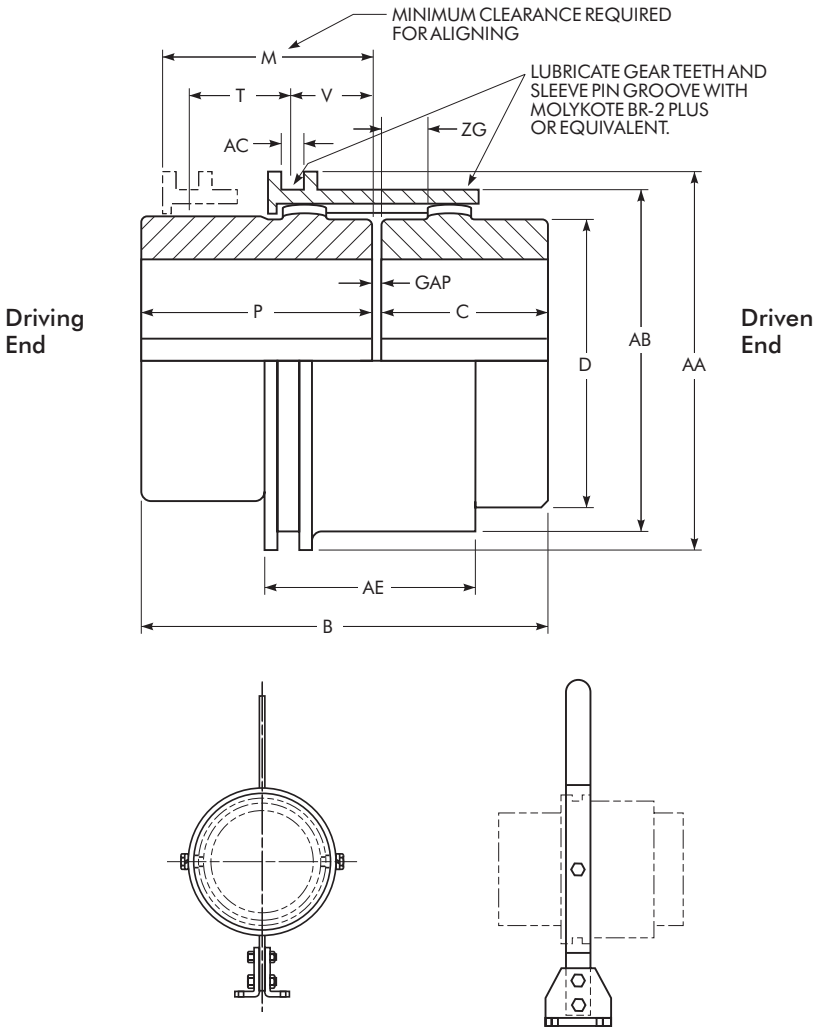
Type G70
Disconnect/Dimensions — Millimeters



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

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

★ See Page 15 for General Information and Reference Notes.

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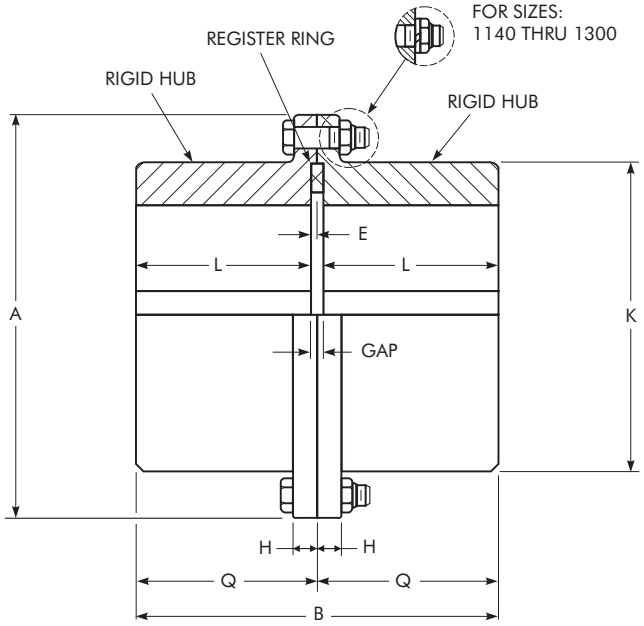
Type G82 Large Flanged Sleeve
Rigid/Dimensions — Millimeters



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

★ See Page 15 for General Information and other Reference Notes.
♦ Dimension K may be an "as-cast" surface depending upon coupling size and bore.
✱ For standard shank diameter hubs.
♣ **Note**: There is no standardization of metric keys and keyways for bores greater than 500 mm.
Maximum bores for rigid hubs 1130G and larger are based on a hub diameter to bore ratio of 1.4.

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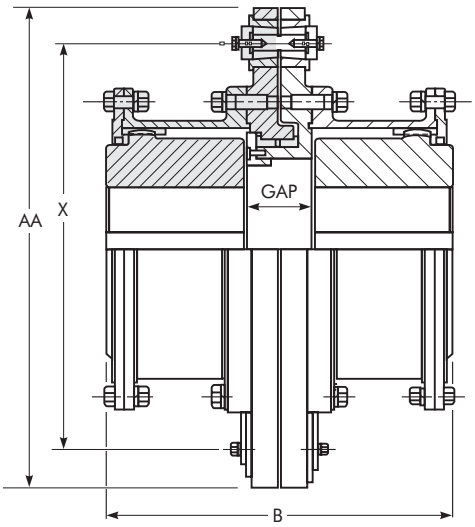
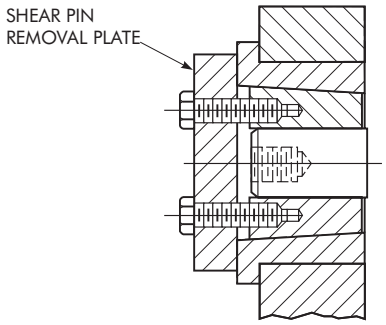
Type GR20 Large Flanged Sleeve

Shear Pin Double Engagement/Dimensions — Millimeters





PIN REMOVAL

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

★ See Page 15 for General Information and Reference Notes.

♣ **Note**: There is no standardization of metric keys and keyways for bores greater than 500 mm. Maximum bores for flex hubs 1150G and larger are based on a hub diameter to bore ratio of 1.4.

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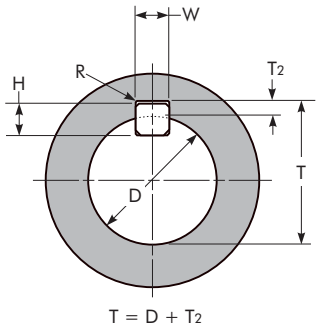
TABLE 24 — Recommended Commercial Keys for Bores with One Key — Millimeters (Per ISO R773 Standard)

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

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



Check Key Stresses

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

Shaft Diameter (ISO/R775-1969)		Bore Diameter Tolerance		
Nominal	Tolerance	Clearance	Transitional	Interference
6 to 30	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.

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Engineering Data — Large Flanged Sleeve

TABLE 26 — Flange Details — Millimeters

SIZE	A	B	C	E	DD	F	G	H	J Bolts No. Dia x Lgth (Per Flange) (Inch)	K Bolts No. Dia x Lgth (Inch)	T
1080/2080G	590,6	527,05	441,33	7,9	6,4	571,5	527,05	31,8	16- .875 x 3.25	16- 1.125 x 4.125	441,27
1090/2090G	660,4	590,55	495,30	7,9	6,4	641,4	590,55	38,1	18- 1.000 x 3.50	18- 1.250 x 4.75	495,25
1100/2100G	711,2	641,35	546,10	9,7	7,9	698,5	641,35	44,4	18- 1.000 x 3.50	18- 1.250 x 5.25	546,05
1110/2110G	774,7	698,50	596,90	9,7	7,9	749,3	698,50	50,8	18- 1.000 x 3.50	18- 1.500 x 6.00	596,85
1120/2120G	838,2	762,00	654,05	9,7	7,9	825,5	762,00	53,8	18- 1.125 x 3.50	18- 1.500 x 6.25	654,00
1130/2130G	911,4	822,33	708,03	9.7	7,9	886,0	822,33	53,8	18- 1.250 x 4.50	18- 1.500 x 6.25	707,97
1140/2140G	965,2	876,30	758,83	9,7	7,9	939,8	876,30	53,8	18- 1.250 x 4.50	18- 1.750 x 6.50	758,77
1150/2150G	1 028,7	933,45	815,98	9,7	7,9	1 003,3	933,45	53,8	20- 1.250 x 4.50	20- 1.750 x 6.50	815,92
1160/2160G	1 111,2	1 009,65	863,60	12,7	9,7	1 085,9	1 009,65	57,2	20- 1.250 x 4.50	20- 2.000 x 7.00	863,50
1180/2180G	1 219,2	1 117,60	984,25	12,7	9,7	1 193,8	1 117,60	57,2	22- 1.250 x 4.50	22- 2.000 x 7.00	984,15
1200/2200G	1 358,9	1 231,90	1 085,85	12.7	9,7	1 308,1	1 231,90	63,5	22- 1.500 x 5.00	22- 2.250 x 7.75	1 085,75
1220/2220G	1 511,3	1 384,30	1 212,85	15.7	12,7	1 473,2	1 384,30	63,5	24- 1.500 x 5.00	24- 2.250 x 7.75	1 212,75
1240/2240G	1 632,0	1 479,55	1 289,05	15,7	12,7	1 581,2	1 479,55	76,2	22- 1.500 x 5.00	22- 2.750 x 9.75	1 288,95
1260/2260G	1 746,2	1 593,85	1 390,65	15,7	12,7	1 695,5	1 593,85	76,2	24- 1.500 x 5.00	24- 2.750 x 9.75	1 390,55
1280/2280G	1 866,9	1 701,80	1 492,25	15,7	12,7	1 803,4	1 701,80	82,6	22- 1.500 x 5.00	22- 3.000 x 10.50	1 492,15
1300/2300G	1 974,8	1 809,75	1 593,85	15,7	12,7	1 911,4	1 809,75	82,6	24- 1.500 x 5.00	24- 3.000 x 10.50	1 593,75

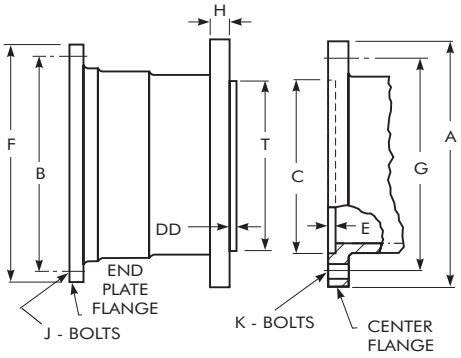

TABLE 27 — Sleeve Jack Screw Holes

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

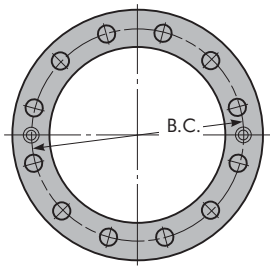

TABLE 28 — Flex Hub Puller Bolt Holes for Standard Shank Diameter Hubs

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

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

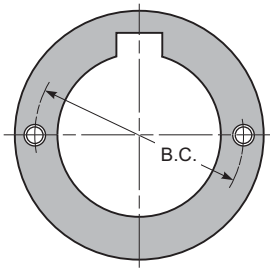

TABLE 29 — Torsional Stiffness – Nm/Radian (10^6)

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

TABLE 30 — WR² Values – KgM²

WR² values are based on hubs with no bore.

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

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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^2.

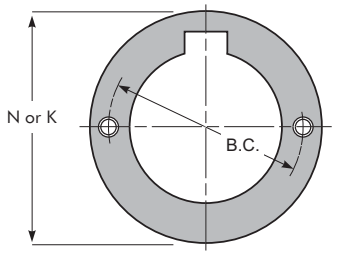

TABLE 31 — Bore Ranges for Reduced Shank Diameter Hubs — Millimeters ★

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

★ See Page 15 for General Information and other reference notes.
♦ Hubs with the least possible 'K" or "N" dimensions for the required bore are normally furnished.
✱ Total weight of coupling varies with "K" or "N" dimensions of rigid and flex hub selection. Add weight of selected hubs to "Sleeve, End Ring and Fasteners" weight.
▲ Note: Maximum bore dimensions are based upon a N/1.4 or K/1.4 ratio. For key and keyway dimensions, consult the Factory.

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

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

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Engineering Data — Large Flanged Sleeve

Standard Filleted Keyways & Chamfered Keys

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

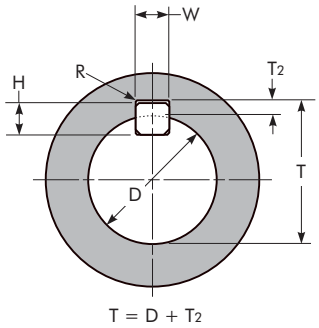

TABLE 33 — Standard Filleted Keyways & Chamfered Keys — Millimeters

Nominal Bore		Key		Hub Keyway			
Over	Thru	Size (Nominal)	45° Chamfer Suggested	Width		Depth ♦	Fillet Radii
95	110	28 x 16	0,70	28	+/–0,0260	6,4 / 6,6	0,60
110	130	32 x 18	0,70	32	+/–0,0260	7,4 / 7,6	0,60
130	150	36 x 20	1 10	36	+/–0,0260	8,4 / 8,7	1.00
150	170	40 x 22	1,10	40	+/–0,0260	9,4 / 9,7	1,00
170	200	45 x 25	1,10	45	+/–0,0260	10,4 / 10,7	1,00
200	230	50 x 28	1,10	50	+/–0,0260	11,4 / 11,7	1,00
230	260	56 x 32	1,80	56	+/–0,0260	12,4 / 12,7	1,60
260	290	63 x 32	1,80	63	+/–0,0260	12,4 / 12,7	1,60
290	330	70 x 36	1,80	70	+/–0,0260	14,4 / 14/7	1,60
330	380	80 x 40	2,70	80	+/–0,0260	15.4 / 15,7	2,50
380	440	90 x 45	2,70	90	+/–0,0260	17,4 / 17,7	2,50
440	500	100 x 50	2,70	100	+/–0,0260	19,5 / 19,8	2,50

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

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Engineering Data — Large Flanged Sleeve

Double Engagement Couplings

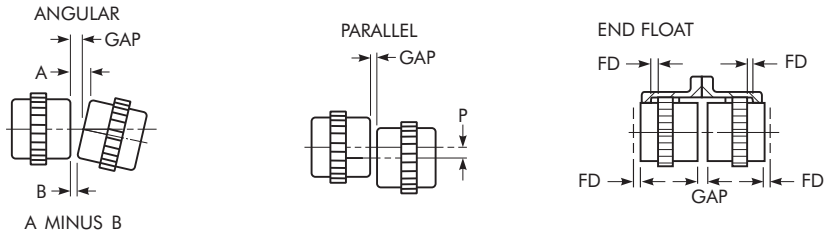

TABLE 34 — Misalignment & End Float – Double Engagement Couplings

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

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

TABLE 35 — Misalignment & End Float – Single Engagement Couplings

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

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

Single Engagement Couplings

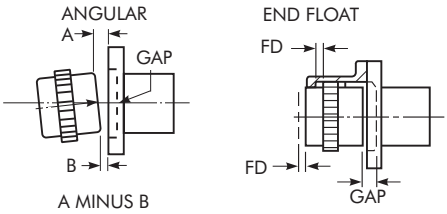

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TABLE 36 — Recommended Bores for Metric Shafts – Millimeters (Per ISO/R775–1969)

	Shaft Diameter	Clearance Fit		Transitional Fit		Interference Fit	
		Hub Bore	Fit ♦	Hub Bore	Fit ♦	Hub Bore	Fit ♦
	j6 +0,008 / – 0,003	**F7 +0,016 / +0,034**	**+0,008 +0,037**	**H7 +0,000 / +0,018**	**– 0,008 +0,021**	**M6 – 0,015 / – 0,064**	**– 0,023 – 0,001**
12	12,008 / 11,997	12,016 / 12,034		12,000 / 12,018		11,985 / 11,996	
14	14,008 / 13,997	14,016 / 14,034		14,000 / 14,018		13,985 / 13,996	
16	16,008 / 15,997	16,016 / 16,034		16,000 / 16,018		15,985 / 15,996	
18	18,008 / 17,997	18,016 / 18,034		18,000 / 18,018		17,985 / 17,996	
	j6 0,009 / – 0,004	**F7 +0,020 / +0,041**	**+0,011 +0,045**	**H7 +0,000 / +0,021**	**– 0,009 +0,025**	**M6 – 0,017 / – 0,004**	**– 0,026 +0,000**
19	19,009 / 18,996	19,020 / 19,041		19,000 / 19,021		18,983 / 18,996	
20	20,009 / 19,996	20,020 / 20,041		20,000 / 20,021		19,983 / 19,996	
22	22,009 / 21,996	22,020 / 22,041		22,000 / 22,021		21,983 / 21,996	
24	24,009 / 23,996	24,020 / 24,041		24,000 / 24,021		23,983 / 23,996	
25	25,009 / 24,996	25,020 / 25,041		25,000 / 25,021		24,983 / 24,996	
28	28,009 / 27,996	28,020 / 28,041		28,000 / 28,021		27,983 / 27,996	
30	30,008 / 29,996	30,020 / 30,041		30,000 / 30,021		29,983 / 29,996	
>30	**k6 +0,018 / +0,002**	**F7 +0,025 / +0,050**	**+0,007 +0,048**	**H7 +0,000 / +0,025**	**– 0,018 +0,023**	**K6 – 0,013 / +0,003**	**– 0,031 +0,001**
32	32,018 / 32,002	32,025 / 32,050		32,000 / 32,025		31,987 / 32,003	
35	35,018 / 35,002	32,025 / 32,050		35,000 / 35,025		34,987 / 35,003	
38	38,018 / 38,002	38,025 / 38,050		38,000 / 38,025		37,987 / 38,003	
40	40,018 / 40,002	40,025 / 40,050		40,000 / 40,025		39,987 / 40,003	
42	42,018 / 42,002	42,025 / 42,050		42,000 / 42,025		41,987 / 42,003	
45	45,018 / 45,002	45,025 / 45,050		45,000 / 45,025		44,987 / 45,003	
48	48,018 / 48,002	48,025 / 48,050		48,000 / 48,025		47,987 / 48,003	
50	50,018 / 50,002	50,025 / 50,050		50,000 / 50,025		49,987 / 50,003	
>50	**m6 +0,030 / +,011**	**F7 +0,030 / +0,060**	**+0,000 +0,049**	**H7 +0,000 / +0,030**	**– 0,030 +0,019**	**K7 – 0,021 / +0,009**	**– 0,051 – 0,002**
55	55,030 / 55,011	55,030 / 55,060		55,000 / 55,030		54,979 / 55,009	
56	56,030 / 56,011	56,030 / 56,060		56,000 / 56,030		55,979 / 56,009	
60	60,030 / 60,011	60,030 / 60,060		60,000 / 60,030		59,979 / 60,009	
63	63,030 / 63,011	63,030 / 63,060		63,000 / 63,030		62,979 / 63,009	
65	65,030 / 65,011	65,030 / 65,060		65,000 / 65,030		64,979 / 65,009	
70	70,030 / 70,011	70,030 / 70,060		70,000 / 70,030		69,979 / 70,009	
71	71,030 / 71,011	71,030 / 71,060		71,000 / 71,030		70,799 / 71,009	
75	75,030 / 75,011	75,030 / 75,060		75,000 / 75,030		74,979 / 75,009	
80	80,030 / 80,011	80,030 / 80,060		80,000 / 80,030		79,979 / 80,009	
>80	**m6 +035 / +0,013**	**F7 +0,036 / +0,071**	**+0,001 +0,058**	**H7 +0,000 / +0,035**	**– 0,035 +0,022**	**M7 – 0,035 / +0,000**	**– 0,070 – 0,013**
85	85,035 / 85,013	85,036 / 85,071		85,000 / 85,035		84,965 / 85,000	
90	90,035 / 90,013	90,036 / 90,071		90,000 / 90,035		89,965 / 90,000	
95	95,035 / 95,013	95,036 / 95,071		95,000 / 95,035		94,965 / 95,000	
100	100,035 / 100,013	100,036 / 100,071		100,000 / 100,035		99,965 / 100,000	
>100	**m6 +0,035 / +0,013**	**F7 +0,036 / +0,071**		**H7 +0,000 / +0,035**		**P7 – 0,059 / – 0,024**	**– 0,094 – 0,037**
110	100,035 / 110,013	110,036 / 110,071		110,000 / 110,035		109,941 / 109,976	
120	120,035 / 120,013	120,036 / 120,071		120,000 / 120,035		119,941 / 119,976	
>120	**m6 0,040 / +,015**	**F7 +0,043 / +0,083**	**+0,003 +0,068**	**H7 +0,000 / +0,040**	**– 0,040 +0,025**	**P7 – 0,068 / – 0,028**	**– 0,108 – 0,043**
125	125,040 / 125,015	125,043 / 125,083		125,000 / 125,040		124,932 / 124,972	
130	130,040 / 130,015	130,043 / 130,083		130,000 / 130,040		129,932 / 129,972	
140	140,040 / 140,015	140,043 / 140,083		140,000 / 140,040		139,932 / 139,972	
150	150,040 / 150,015	150,043 / 150,083		150,000 / 150,040		149,932 / 149,972	
160	160,040 / 160,015	160,043 / 160,083		160,000 / 160,040		159,932 / 159,972	
170	170,040 / 170,015	170,043 / 170,083		170,000 / 170,040		169,932 / 169,972	
180	180.040 / 180.015	180.043 / 180.083		180.000 / 180.040		179.932 / 179.972	

♦ Positive values are clearance, negative values are interference.

Continued on Page 57

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

	Shaft Diameter	Clearance Fit		Transitional Fit		Interference Fit	
		Hub Bore	Fit♦	Hub Bore	Fit♦	Hub Bore	Fit♦
>180	m6 +0,046 / +0,017	F7 +0,050 / +0,096	+0,004 +0,079	H7 +0,000 / +0,046	– 0,046 +0,029	P7 – 0,079 / – 0,033	– 0,125 – 0,050
190 200	190,046 / 190,017 200,046 / 200,017	190,050 / 190,096 200,050 / 200,096		190,000 / 190,460 200,000 / 200,046		189,921 / 189,967 199,921 / 199,967	
>200	m6 +0,046 / +0,017	F7 +0,050 / +0,096		H7 +0,000 / +0,046		R7 – 0,109 /– 0,063	– 0,155 – 0,080
210 220 225	210,046 / 210,017 220,046 / 220,017 225,046 / 225,017	210,050 / 210,096 220,050 / 220,096 225,050 / 225,096		210,000 / 210,046 220,000 / 220,046 225,000 / 225,046		209,891 / 209,937 219,891 / 219,937 224,891 / 224,937	
>225	m6 +0,046 / +0,017	F7 +0,050 / +0,096		H7 +0,000 / +0,046		R7 – 0,113 / – 0,067	– 0,159 – 0,084
230 240 250	230,046 / 230,017 240,046 / 240,017 250,046 / 250,017	230,050 / 230,096 240,050 / 240,096 250,050 / 250,8096		230,000 / 230,046 240,000 / 240,046 250,000 / 250,046		229,887 / 229,933 239,887 / 239,933 249,887 / 249,933	
>250	m6 +0,052 / +0,020	F7 +0,056 / +0,108	+0,004 +0,088	H7 +0,000 / +0,052	– 0,052 +0,032	R7 –0,126 / – 0,074	– 0,178 – 0,094
260 270 280	260,052 / 260,020 270,052 / 270,020 280,052 / 280,020	260,056 / 260,108 270,056 / 270,108 280,056 / 280,108		260,000 / 260,052 270,000 / 270,052 280,000 / 280,052		259,874 / 259,926 269,874 / 269,926 279,874 / 279,926	
>280	m6 +0,052 / +0,020	F7 +0,056 / +0,108		H7 +0,000 / +0,052		R7 – 0,130 /– 0,078	– 0,182 – 0,098
290 300 310 315	290,052 / 290,020 300,052 / 300,020 310,052 / 310,020 315,052 / 315,020	290,056 / 290,108 300,056 / 300,108 310,056 / 310,108 315,056 / 315,108		290,000 / 290,052 300,000 / 300,052 310,000 / 310,052 315,000 / 315,052		289,870 / 289,922 299,870 / 299,922 309,870 / 309,922 314,870 / 314,922	
>315	m6 +0,057 / +0,021	F7 +0,062 / +0,119	+0,005 +0,098	H7 +0,000 / +0,057	– 0,057 +0,036	R7 – 0,144 / – 0,187	– 0,201 – 0,108
320 330 340 350 355	320,057 / 320,021 330,057 / 330,021 340,057 / 340,021 350,057 / 350,021 355,057 / 355,021	320,062 / 320,119 330,062 / 330,119 340,062 / 340,119 350,062 / 350,119 355,062 / 355,119		320,000 / 320,057 330,000 / 330,057 340,000 / 340,057 350, 000 / 350,057 355,000 / 355,057		319,856 / 319,913 329,856 / 329,913 339,856 / 339,913 349,856 / 349,913 354,856 / 354,913	
>355	m6 +0,057 / +0,021	F7 +0,062 / +0,119		H7 +0,000 / +0,057		R8 – 0,203 / –0 ,114	– 0,260 – 0,136
360 370 380 390 400	360,057 / 360,021 370,057 / 370,021 380,057 / 380,021 390,057 / 390,021 400,057 / 400,021	360,062 / 360,119 370,062 / 370,119 380,062 / 380,119 390,062 / 390,119 400,062 / 400,119		360,000 / 360,057 370,000 / 370,057 380,000 / 380,057 390,000 / 390,057 400, 000 / 400,057		359,797 / 359,886 369,797 / 369,886 379,797 / 379,886 389,797 / 389,886 399,797 / 399,886	
>400	m6 +0,063 / +0,023	F7 +0,068 / +0,131	+0,005 +0,108	H7 +0,000 / +0,063	– 0,063 +0,040	R8 – 0,223 / – 0,126	– 0,286 – 0,149
410 420 430 440 450	410,063 / 410,023 420,063 /420,023 430,063 / 430,023 440,063 / 440,023 450,063 / 450,023	410,068 / 410,131 420,068 / 420,131 430,068 / 430,131 440,068 / 440,131 450,068 / 450,131		410,000 / 410,063 420,000 / 420,063 430,000 / 430,063 440,000 / 440,063 450,000 / 450,063		409,777 / 409,874 419,777 / 419,874 429,777 / 429,874 439,777 / 439,874 449,777 / 449,874	
>450	m6 +0,063 / +0,023	F7 +0,068 / +0,131		H7 +0,000 / +0,063		R8 – 0,229 / – 0,132	– 0,292 – 0,155
460 470 480 490 500	460,063 / 460,023 470,063 / 470,023 480,063 / 480,023 490,063 / 490,023 500.063/ 500.023	460,068 / 460,131 470,068 / 470,131 480,068 / 480,131 490,068 / 490,131 500.068 / 500.131		460,000 / 460,063 470,000 / 470,063 480,000 / 480,063 490,000 / 490,063 500.000 / 500.063		459,771 / 459,868 469,771 / 469,868 479,771 / 479,868 489,771 / 489,868 499.771 / 499.868	

♦ Positive values are clearance, negative values are interference.

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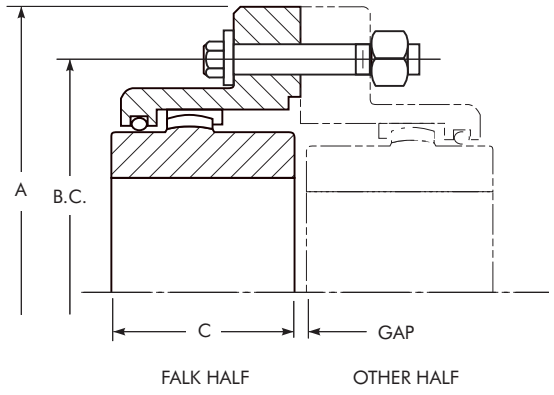
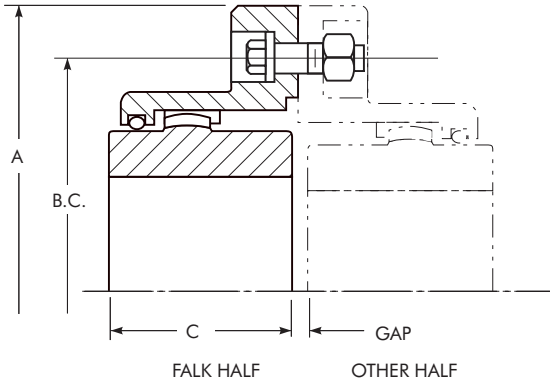
Interchange Guide ♦ — Flanged Sleeve Gear Couplings



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)				Falk GF Steel Mill Exposed & Shrouded				Lovejoy ® Sier-Bath-F ® Exposed & Shrouded				Falk G20 Exposed & Falk G20 Shrouded (10 Series)			
	Exposed		Shrouded																			
A	B.C.	Cap Screw Size & Qty	B.C.	Cap Srew Size & Qty	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
4.562	3.562	6-.312	3.562	6-.312	.125	...	...	...	...	...	...	...	...	...	...	...	...	**10G**	5,040	1.375	1.500
4.562	3.750	6-.250	3.750	6-.250	.125	**1010G**	10,800	1.875	1.69	**1GF**	7,600	1.625	1.69	**F-1**	7,560	1.625	1.687	...	...	...	...
6.000	4.812	8-.375	4.812	8-.375	.125	**1015G**	20,790	2.375	1.94	**1-½GF**	18,900	2.125	1.94	**F-1½**	18,900	2.125	1.937	**15G**	15,120	2.125	2.000
7.000	5.875	6-.500	5.812	10-.375	.125	**1020G**	37,800	2.875	2.44	**2GF**	31,500	2.750	2.44	**F-2**	31,500	2.750	2.437	**20G**	31,500	2.625	2.437
8.375	7.125	6-.625	7.000	10-.500	.187	**1025G**	66,150	3.625	3.03	**2-½GF**	56,700	3.250	3.03	**F-2-½**	56,700	3.250	3.031	**25G**	56,700	3.250	3.031
9.437	8.125	8-.625	8.000	12-.500	.187	**1030G**	107,100	4.125	3.59	**3GF**	101,000	4.000	3.59	**F-3**	94,500	4.000	3.593	**30G**	94,500	3.750	3.593
11.000	9.500	8-.750	9.281	12-.625	.250	**1035G**	163,800	4.875	4.19	**3-½GF**	151,300	4.500	4.19	**F-3-½**	151,200	4.500	4.187	**35G**	126,000	4.500	4.187
12.500	11.000	8-.750	10.625	14-.625	.125	**1040G**	270,900	5.750	4.75	**4GF**	236,000	5.375	4.75	**F-4**	220,500	5.375	4.750	**40G**	189,000	5.125	4.750
13.625	12.000	10-.750	11.750	14-.625	.312	**1045G**	371,700	6.750	5.31	**4-½GF**	324,000	6.500	5.31	**F-4-½**	302,400	6.500	5.312	**45G**	267,750	5.500	5.312
15.312	13.500	8-.875	13.187	14-.750	.312	**1050G**	500,900	7.375	6.03	**5GF**	441,000	7.000	6.03	**F-5**	434,700	7.000	6.031	**50G**	368,550	6.375	6.031
16.750	14.500	14-.875	14.437	16-.750	.312	**1055G**	655,200	8.250	6.62	**5-½GF**	580,000	7.750	6.91	**F-5-½**	573,300	7.750	6.906	**55G**	491,400	7.250	6.625
18.000	15.750	14-.875	NA	NA	.312	**1060G**	800,100	9.125	7.41	**6GF**	759,000	8.750	7.41	**F-6**	749,700	8.750	7.406	**60G**	630,000	8.250	7.375

Exposed & Shrouded Bolts (Continued)

Kop-Flex® (Koppers) HM (Exposed) HS (Shrouded)				Kop-Flex (Fast)® EB (Exposed) SB (Shrouded)				Kop-Flex (Waldron) ® EB (Exposed) SB (Shrouded)				Zurn ® Amerigear-F Exposed & Shrouded (200 Series)				Renold ® Metal Seal Exposed & Shrouded			
SIZE	Torque Rating (lb-in)	Max Bore	C	SIZE	Torque Rating (lb-in)	Max Bore	C	SIZE	Torque Rating (lb-in)	Max Bore	C	SIZE	Torque Rating (lb-in)	Max Bore	C	SIZE	Torque Rating (lb-in)	Max Bore	C
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
1HM/HS	7,560	1.625	1.687	...	...	...	...	**1EB/SB**	6,300	1.625	1.687	...	...	...	...	...			
1-½ HM/HS	17,010	2.250	1.937	**1-½EB/SB**	17,010	1.625	1.937	**1-½EB/SB**	15,120	2.187	2.062	**F201-½**	17,010	2.250	1.937	**1-½**	2,016	1.750	1.937
2HM/HS	31,500	2.750	2.437	**2EB/B**	31,500	2.125	2.437	**2EB/SB**	31,500	2.750	2.437	**F202**	31,500	2.750	2.437	**2**	34,650	2.250	2.437
2-½HM/HS	56,700	3.500	3.031	**2-½EB/SB**	56,700	2.750	3.031	**2-½EB/SB**	56,700	3.250	3.031	**F202-½**	53,550	3.500	3.031	**2-½**	59,850	2.750	3.031
3HM/HS	88,200	4.000	3.593	**3EB/B**	100,800	3.125	3.593	**3EB/SB**	94,500	4.000	3.593	**F203**	94,500	4.000	3.593	**3**	99,540	3.250	3.593
3-½HM/HS	129,150	4.500	4.187	**3-½EB/SB**	148,050	3.750	4.187	**3-½EB/SB**	144,900	4.750	4.187	**F203-½**	141,750	4.500	4.187	**3-½**	149,940	3.750	4.187
4HM/HS	204,750	5.500	4.750	**4EB/B**	236,250	4.250	4.750	**4EBSB**	220,500	5.375	4.750	**F204**	214,200	5.500	4.750	**4**	269,640	4.250	4.750
4-½HM/HS	277,200	6.000	5.312	**4-½EB/SB**	318,150	4.750	5.312	**4-½EBSB**	302,400	6.000	5.375	**F204-½**	324,450	6.250	5.312	**4-½**	369,810	4.750	5.312
5HM/HS	384,300	6.875	6.031	**5EB/B**	441,000	5.500	6.031	**5EB/SB**	409,500	7.000	6.125	**F205**	415,800	6.750	6.031	**5**	499,590	5.500	6.031
5-½HM/HS	504,000	7.750	6.906	**5-½EB/SB**	579,600	5.875	6.906	**5-½EB/SB**	535,500	7.750	6.625	**F205-½**	551,250	7.620	6.625	**5-½**	650,160	6.250	6.906
6HM	661,500	8.625	7.406	**6EB**	759,150	6.500	7.406	**6EB**	693,000	8.750	7.375	**F206**	749,700	8.620	7.406	**6**	749,700	7.375	7.406
7HM	1,008,000	10.375	8.687	**7EB**	1,159,200	8.000	8.687	**7EB**	1,010,000	9.750	8.687	**F207**	1,033,200	10.250	8.687	**7**	926,100	8.750	8.687

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

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

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Interchange Guide — Continuous Sleeve Gear Couplings ▲

SIZE	Max Bore	Torque (lb-in)	RPM ♦	O.D.	Overall Length	Gap
Falk						
...	...	...	...	...	...	...
1010GC	1.875	10,800	5,300	3.50	3.50	.125
...	...	...	...	...	...	...
1015GC	2.375	20,790	4,300	4.30	4.08	.125
1020GC	2.875	37,800	3,700	5.20	5.07	.125
...	...	...	...	...	...	...
1025GC	3.625	66,150	3,300	6.44	6.25	.188
...	...	...	...	...	...	...
1030GC	4.125	107,100	2,900	7.50	7.37	.188
1035GC	4.875	163,800	2,600	8.50	8.63	.250
...	...	...	...	...	...	...
Falk						
...	...	...	...	...	...	...
1010GC	1.875	10,800	5,300	3.50	3.50	.125
...	...	...	...	...	...	...
1015GC	2.375	20,790	4,300	4.30	4.08	.125
1020GC	2.875	37,800	3,700	5.20	5.07	.125
...	...	...	...	...	...	...
1025GC	3.625	66,150	3,300	6.44	6.25	.188
...	...	...	...	...	...	...
1030GC	4.125	107,100	2,900	7.50	7.37	.188
1035GC	4.875	163,800	2,600	8.50	8.63	.250
...	...	...	...	...	...	...

SIZE	Max Bore	Torque (lb-in)	RPM	O.D.	Overall Length	Gap
Lovejoy Sier-Bath						
7/8C	1.25	2,520	6.000	3.31	3.13	.125
1-1/2C	1.63	7,560	5,000	3.75	3.75	.125
...	...	...	...	...	...	...
2C	2.13	20,160	4,200	4.75	4.25	.125
2-1/2C	2.63	30,240	3,750	5.50	4.75	.250
3C	3.13	50,400	3,000	6.63	5.50	.250
3-1/2C	3.63	88,200	2,800	7.50	8.75	.250
...	...	...	...	...	...	...
4C	4.13	126,000	2,400	8.75	9.00	.250
4-1/2C	4.75	183,960	2,200	9.50	10.25	.250
5C	5.75	270,900	2,100	10.75	12.25	.250
Zurn						
201CS	1.250	3,150	9,800	2.69	2.88	.125
201-¼CS	1.625	7,560	8,900	3.19	3.50	.125
...	...	...	...	...	...	...
201-½CS	2.250	17,010	7,700	4.38	4.00	.125
202CS	2.750	31,500	6,200	5.38	5.00	.125
...	...	...	...	...	...	...
202-½CS	3.500	53,500	6,000	6.50	6.25	188
...	...	...	...	...	...	...
203CS	4.000	94,500	5,200	7.44	7.37	.188
203-½CS	4.500	141,750	4,400	8.32	8.63	.250
204CS	5.500	214,200	3,550	9.86	9.75	.250

SIZE	Max Bore	Torque (lb-in)	RPM	O.D.	Overall Length	Gap
Kop-Flex Waldron						
1-1/8PL	1.250	2,520	14,000	2.94	3.00	.125
1-5/8PL	1.750	7,560	11,000	3.56	3.62	.125
...	...	...	...	...	...	...
1½P	2.19	15,120	9,000	4.12	4.25	.125
2P	2.75	31,500	7,200	5.19	5.00	.125
...	...	...	...	...	...	...
2½P	3.25	56,700	6,000	6.00	6.25	.188
...	...	...	...	...	...	...
3P	4.00	94,500	5,200	7.00	7.38	.188
3-½P	4.75	144,900	4,600	8.25	8.62	.250
4P	5.38	220,500	4,200	9.25	9.75	.250
System Components						
8S	1.310	4,410	9,600	2.81	1.41	.094
10S	1.630	9,765	7,560	3.44	1.84	.094
12S	1.940	13,860	6,900	3.94	1.84	.094
15S	2.130	19,530	6,600	4.13	2.78	.125
20S	2.750	32,130	5,280	5.13	3.19	.125
...	...	...	...	...	...	...
25S	3.250	56,700	4,500	6.03	3.88	.188
30S	3.750	95,760	3,960	6.84	4.53	.188
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.
♦ Consult the Factory for higher speeds.

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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.) _____
Diesel ❑ Gasoline ❑ Gas ❑

Turbine ❑
Steam ❑ Air ❑ Gas ❑

Rating (hp, kW) _____

Base Speed (rpm) _____

Maximum Speed (rpm) _____

SECTION II — APPLICATION DATA
Description

Duty Cycle: Continuous ❑ Intermittent ❑

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

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 _____

Additional Comments:
_____
_____
_____
_____

Design Requirements: Balance Class _____
Weight _____ WR^2 _____
Stiffness _____

Misalignment:
Angular _____ Offset _____
Axial _____

SKETCH AREA

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