

# ABSSAC

*Precision motion since 1982*

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**TB Wood's**<sup>®</sup>

**SECTION  
F6**

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# GEAR COUPLINGS

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- **High Torque Capacity**
- **Torsionally Stiff**
- **Good Inherent Balance**
- **Rated for Higher Speeds**
- **Many Types and Configurations**



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## Ordering

**Standard gear coupling product is sold by component**  
*See examples on individual pages*

### GEAR COUPLING SELECTION

#### Calculate Design Horsepower or Design Torque

- **If HP and RPM are Known, Calculate Design HP@100 RPM**

Design HP@100 RPM=(Prime mover HP x Service Factor x 100) divided by the Coupling RPM

Refer to the HP@100 RPM rating for the coupling style desired. Select the coupling equal to or greater than the calculated design HP@100 RPM. Check the maximum bore capabilities to be sure the size coupling you have chosen is capable of your largest bore.

- **If Using Prime Mover Torque, Calculate Design Torque**

Design Torque = Prime Mover Torque x Service Factor

Refer to torque rating in the coupling style desired. Select the coupling equal to or greater than the calculated design torque. Check the maximum bore capabilities to be sure the size coupling you have chosen is capable of your largest bore.

*The above selection can be used for all series of industrial gear couplings, however, the Deck-Flex and Deck-Flex Mite couplings have their own calculations.*

# GEAR COUPLING SELECTION



## Service Factor Table

AGITATORS		Freight	2.00	Parafin Filter Press	1.75
Pure Liquids	1.00	A26 Gravity Discharge	1.50	Rotary Kiln	2.00
Liquids and Solids	1.25	FANS		PAPER MILLS	
Liquids - Variable Density	1.25	Centrifugal	1.00	Barker Auxiliaries, Hydraulic	2.00
BLOWERS		Cooling Towers Forced Draft	2.00	Barker, Mechanical	2.00
Centrifugal	1.00	Induced Draft w/o Damper Control	2.00	Barking Drum - Spur Gear Only	2.25
Lobe	1.50	FEEDERS		Beater & Pulper	1.75
Vane	1.25	Apron	1.25	Bleacher	1.00
BREWING AND DISTILLING		Belt	1.25	Calenders	2.00
Bottling Machinery	1.00	Disc	1.25	Convert Mach. exc Cutter, Platers	1.50
Lauter Tub	1.25	Reciprocating	2.50	Couch	1.75
BRIQUETTER MACHINES	2.00	Screw	1.25	Cutters, Platers	2.00
CAN FILLING MACHINES	1.00	FOOD INDUSTRY		Cylinders	1.75
CAN KNIVES	2.00	Beet Slicer	1.75	Dryers	1.75
CAR DUMPERS	2.50	Cereal Cooker	1.25	Felt Stretcher	1.25
CAR PULLERS - Int. Duty	1.50	Dough Mixer	1.75	Felt Whipper	2.00
CLAY WORKING MACHINERY	1.75	Meat Grinder	1.75	Jordans	1.75
COMPRESSORS		Bottling, Can Filling Machine	1.00	Log Haul	2.00
Centrifugal	1.25	GENERATORS - Not Welding	1.00	Presses	2.00
Lobe	1.50	HAMMER MILLS	2.00	Reel	1.50
Reciprocating - Mult. Cyn.	2.00	LAUNDRY WASHERS - Reversing	2.00	Stock Chests	1.50
CONVEYORS - UNIFORM LOAD		LAUNDRY TUMBLERS	2.00	Suction Roll	1.75
Apron	1.25	LUMBER INDUSTRY		Washer & Thickeners	1.50
Assembly	1.00	Barkers - Drum Type	2.00	Winders	1.50
Belt	1.00	Edger Feeder	2.00	PRINTING PRESSES	1.50
Bucket	1.25	Live Rolls	2.00	PULLERS - Barge Haul	2.00
Chain	1.25	Log Haul - Incline	2.00	PUMPS	
Flight	1.25	Log Haul - Well Type	2.00	Centrifugal	1.00
Oven	1.50	Off Bearing Rolls	2.00	Reciprocating - Dbl. Action	2.00
Screw	1.25	Planer Feed Chains	1.75	Reciprocating - Sgl. " 1,2 Cyl.	2.25
CONVEYORS - NON-UNIFORM LOAD		Planer Floor Chains	1.75	Reciprocating - Sgl. " 3+ Cyl.	1.75
Apron	1.50	Planer Tilting Hoist	1.75	Rotary - Gear, Lobe, Vane	1.50
Assembly	1.25	Slab Conveyor	1.50	RUBBER INDUSTRY	
Belt	1.25	Sorting Table	1.50	Mixer - Banbury	2.50
Bucket	1.50	Trimmer Feed	1.75	Rubber Calender	2.00
Chain	1.50	MACHINE TOOLS		Rubber mill - 2 or more	2.25
Flight	1.50	Bending Roll	2.00	Sheeter	2.00
Oven	1.50	Plate Planer	1.50	Tire Building Machines	2.50
Reciprocating	2.50	Punch Press - Gear Driven	2.00	Tire & Tube Press Openers	1.00
Screw	1.50	Tapping Machine	2.50	Tubers and Strainers	2.00
Shaker	2.50	Other Machine Tools - Main Drive	1.50	SCREENS	
CRANES AND HOISTS		Other Machine Tools - Aux. Drive	1.25	Air Washing	1.00
Main Cranes	2.00	METAL MILLS		Rotary - Stone or Gravel	1.50
Reversing	2.00	Draw Bench - Carriage	2.00	Traveling Water Intake	1.25
Skip Hoists	1.75	Draw Bench - Main Drive	2.00	SEWAGE DISPOSAL EQUIPMENT	
Trolley Drive	1.75	Forming Machines	2.00	Bar Screens	1.25
Bridge Drive	1.75	Slitters	1.50	Chemical Feeders	1.25
Slope	1.50	Table Conveyors - Non-Reversing	2.25	Collectors Circuline	1.25
CRUSHERS		Table Conveyors - Reversing	2.50	Collectors Straightline	1.25
Ore	2.75	Wire Drawing & Flattening Mach.	2.00	Dewatering Screens	1.25
Stone	2.75	Wire Winding Machine	1.75	Grit Collectors	1.25
DREDGES		MILLS, ROTARY TYPES		Scum Breakers	1.25
Cable Reels	1.75	Ball	2.25	Slow or Rapid Mixers	1.25
Conveyors	1.50	Cement Kilns	2.00	Sludge Collectors	1.25
Cutter Head Drives	2.25	Dryers & Coolers	2.00	Thickeners	1.25
Jig Drives	2.25	Kilns	2.00	Vacuum Filters	1.25
Maneuvering Winches	1.75	Pebble	2.00	STEERING GEAR	1.00
Pumps	1.75	Rod	2.00	STOKERS	1.00
Screen Drives	1.75	Tumbling Barrels	2.00	TEXTILE INDUSTRY	
Stracers	1.75	MIXERS		Batchers	1.25
Utility Winches	1.50	Concrete Mixers	1.75	Calenders	1.75
ELEVATORS		Drum Type	1.50	Card Machines	1.50
Bucket	1.75	OIL INDUSTRY		Cloth Finishing	1.50
Centrifugal Discharge	1.50	Chillers	1.25	Dry Cans	1.75
Escalators	1.25	Oil Well Pumping	2.00	Dryers	1.50

Above service factors recommended when using electric motors, hydraulic motors, etc.  
Add 1.0 to Service Factor shown for internal combustion engines, etc.



# STANDARD BORE TOLERANCES

With the exception of Deck-Flex and Deck-Flex Mite, interference fit will be provided unless specified at time of order.

Extracted from ANSI/AGMA 9002-A86, Bores and Keyways for Flexible Couplings, with permission of the publisher, The American Gear Manufacturers Association, 1500 King Street, Suite 210, Alexandria, Virginia, 23314.

**Table 1 – Shaft to Hub Fits and Nominal Keyway Sizes (Inches)**

Nominal Bore Range <sup>(1)</sup>		Shaft Tol. <sup>(2)</sup> (Minus)	Clearance Fits				Interference Fits				Nominal Keyway Dimensions <sup>(3)</sup>			
			Class I		Class II									
Over	To (Incl.)		Bore Tol. (Plus)	Fit Tol. (Plus)	Bore Tol. (Plus)	Fit Tol. (Plus)	Bore Tolerance Range (Minus)	Fit Tolerance Range (Minus)			Width	Depth	Width	Depth
0.4375	0.5625	0.0005	0.0010	0.0015	0.0020	0.0025	0.0005	0.0010	0.0000	0.0010	0.1250	0.0625	0.1250	0.0468
0.5625	0.8750	0.0005	0.0010	0.0015	0.0020	0.0025	0.0005	0.0010	0.0000	0.0010	0.1875	0.0937	0.1875	0.0625
0.8750	1.2500	0.0005	0.0010	0.0015	0.0020	0.0025	0.0005	0.0010	0.0000	0.0010	0.2500	0.1250	0.2500	0.0937
1.2500	1.3750	0.0005	0.0010	0.0015	0.0020	0.0025	0.0005	0.0010	0.0000	0.0010	0.3125	0.1562	0.3125	0.1250
1.3750	1.5000	0.0005	0.0010	0.0015	0.0020	0.0025	0.0005	0.0010	0.0000	0.0010	0.3750	0.1875	0.3750	0.1250
1.5000	1.7500	0.0010	0.0010	0.0020	0.0020	0.0030	0.0010	0.0020	0.0000	0.0020	0.3750	0.1875	0.3750	0.1250
1.7500	2.0000	0.0010	0.0010	0.0020	0.0020	0.0030	0.0010	0.0020	0.0000	0.0020	0.5000	0.2500	0.5000	0.1875
2.0000	2.2500	0.0010	0.0015	0.0025	0.0020	0.0030	0.0010	0.0020	0.0000	0.0020	0.5000	0.2500	0.5000	0.1875
2.2500	2.7500	0.0010	0.0015	0.0025	0.0020	0.0030	0.0010	0.0020	0.0000	0.0020	0.6250	0.3125	0.6250	0.2187
2.7500	3.0000	0.0010	0.0015	0.0025	0.0020	0.0030	0.0010	0.0020	0.0000	0.0020	0.7500	0.3750	0.7500	0.2500
3.0000	3.2500	0.0010	0.0015	0.0025	0.0030	0.0040	0.0015	0.0030	0.0005	0.0030	0.7500	0.3750	0.7500	0.2500
3.2500	3.7500	0.0010	0.0015	0.0025	0.0030	0.0040	0.0015	0.0030	0.0005	0.0030	0.8750	0.4375	0.8750	0.3125
3.7500	4.0000	0.0010	0.0015	0.0025	0.0030	0.0040	0.0015	0.0030	0.0005	0.0030	1.0000	0.5000	1.0000	0.3750
4.0000	4.5000	0.0010	0.0015	0.0025	0.0040	0.0050	0.0020	0.0035	0.0010	0.0035	1.0000	0.5000	1.0000	0.3750
4.5000	5.0000	0.0010	0.0015	0.0025	0.0040	0.0050	0.0020	0.0035	0.0010	0.0035	1.2500	0.6250	1.2500	0.4375
5.0000	5.5000	0.0010	0.0015	0.0025	0.0040	0.0050	0.0025	0.0040	0.0015	0.0040	1.2500	0.6250	1.2500	0.4375
5.5000	6.5000	0.0010	0.0015	0.0025	0.0040	0.0050	0.0025	0.0040	0.0015	0.0040	1.5000	0.7500	1.5000	0.5000
6.5000	7.0000	0.0010	...	...	...	...	0.0025	0.0040	0.0015	0.0040	1.7500	0.8750	1.7500	0.7500
7.0000	7.5000	0.0010	...	...	...	...	0.0030	0.0050	0.0020	0.0050	1.7500	0.8750	1.7500	0.7500
7.5000	8.0000	0.0010	...	...	...	...	0.0030	0.0050	0.0020	0.0050	2.0000	1.0000	2.0000	0.7500
8.0000	9.0000	0.0010	...	...	...	...	0.0035	0.0055	0.0025	0.0055	2.0000	1.0000	2.0000	0.7500

- (1) Preferred Nominal Shaft Sizes:  
0.500, 0.625, 0.750, 0.875, 0.9375, 1.000, 1.125, 1.1875, 1.250, 1.375, 1.4375, 1.500, 1.625, 1.750, 1.875, 1.9375, 2.000, 2.125, 2.250, 2.375, 2.4375, 2.500, 2.625, 2.750, 2.875, 2.9375, 3.000, 3.250, 3.375, 3.500, 3.625, 3.750, 4.000, 4.250, 4.500, 4.750, 5.000, 5.250, 5.500, 5.750, 6.000, 6.250, 6.500, 6.750, 7.000
- (2) Agrees with NEMA standard MG 1-4.05, June 1981, thru 6.5000
- (3) Non-shaded areas are preferred.

Examples of Tolerancing Bores and Shafts:

2" Nominal bore – Class I Clearance Fit

Bore Size – 2.000 to 2.001

Shaft Size – 2.000 to 1.999

Resulting Fit Loose 0.000 to 0.002

2" Nominal bore – Class 2 Clearance Fit

Bore Size – 2.000 to 2.002

Shaft Size – 2.000 to 1.999

Resulting Fit Loose 0.000 to 0.003

2" Nominal bore – Interference Fit

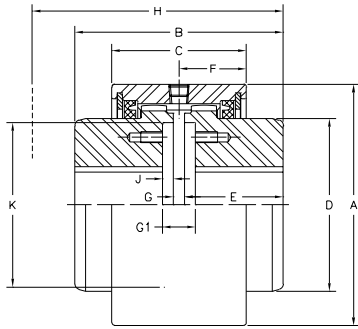
Shaft Size – 2.000 to 1.999

Bore Size – 1.998 to 1.999

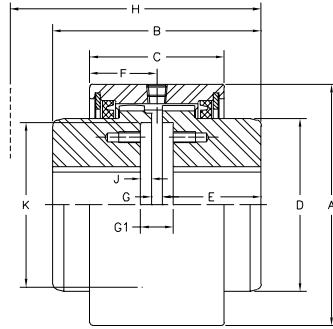
Resulting Fit Tight 0.002 to 0.000



# C SERIES CONTINUOUS SLEEVE GEAR COUPLING

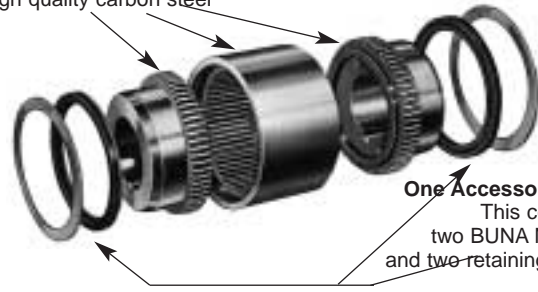


**Standard Full Flex  
Double Engagement (C)**



**Flex-Rigid  
Single Engagement (CFR)**

Two Hubs-  
One Sleeve-  
High quality carbon steel



One Accessory Kit -  
This contains  
two BUNA N seals  
and two retaining rings.

Puller holes are optional  
Setscrews are optional.

## STANDARD DIMENSIONS

Size	A	B	C	D	E	F	G	G1	H (1)	J	K	Approx. Wt. (Lbs.) Solid Bore
7/8	3.31	3.12	2.00	2.00	1.50	1.00	0.12	0.38	3.75	0.12	1.94	5
1-1/2	3.75	3.75	2.53	2.38	1.81	1.27	0.12	0.50	4.59	0.19	2.25	8
2	4.75	4.25	2.56	3.25	2.06	1.28	0.12	0.50	4.88	0.19	3.00	13
2-1/2	5.50	4.75	3.06	3.94	2.25	1.53	0.25	0.75	5.72	0.25	3.75	20
3	6.62	5.50	3.75	4.75	2.62	1.88	0.25	0.75	6.88	0.25	4.75	33
3-1/2	7.50	8.75	4.00	5.38	4.25	2.00	0.25	0.75	9.25	0.25	5.50	63
4	8.75	9.00	4.62	6.25	4.38	2.31	0.25	0.75	9.50	0.25	6.50	91
4-1/2	9.50	10.25	4.88	7.25	5.00	2.44	0.25	0.75	10.38	0.25	7.25	126
5	10.75	12.25	5.75	8.25	6.00	2.88	0.25	0.75	12.25	0.25	8.12	195
6	12.25	13.00	6.50	9.50	6.38	3.25	0.25	0.75	13.38	0.25	9.25	267
7	14.00	14.88	7.50	10.50	7.25	3.75	0.38	0.88	15.38	0.25	9.75	320
9	16.25	19.00	8.12	12.62	9.25	4.06	0.50	1.00	19.00	0.25	12.50	520
11	19.25	22.50	8.12	15.62	11.00	4.06	0.50	1.00	22.50	0.25	15.50	925
12	20.50	25.00	8.38	16.50	12.25	4.19	0.50	1.00	25.00	0.25	16.00	1200

## RATINGS

SIZE	HP @ 100 RPM	TORQUE in. lbs.	MIN BORE	MAX BORE STD KEY	MAX RPM UNBALANCED	(3) MAX RPM BALANCED	MISALIGNMENT	
							ANGULAR DEGREES PER MESH	PARALLEL IN INCHES (2)
7/8	4	2520	0.44	1.25	6000	18000	0.50	0.005
1-1/2	12	7560	0.44	1.62	5000	15000	0.50	0.007
2	32	20160	0.56	2.12	4200	12600	0.50	0.007
2-1/2	48	30240	0.81	2.62	3750	11250	0.50	0.010
3	80	50400	1.19	3.12	3000	9000	0.50	0.012
3-1/2	140	88200	1.56	3.62	2800	8400	0.50	0.012
4	200	126000	1.81	4.12	2400	7200	0.25	0.007
4-1/2	292	183960	1.81	4.75	2200	6600	0.25	0.007
5	430	270900	2.56	5.75	2100		0.25	0.009
6	600	378000	4.06	6.62	2000		0.25	0.010
7	950	598500	4.56	7.50	1000		0.25	0.011
9	2000	1260000	5.94	9.50	800	Consult Factory	0.25	0.013
11	3500	2205900	7.81	11.50	600		0.25	0.014
12	4000	2520000	9.81	12.50	550		0.25	0.014

- (1) "H" dimension required for installation
- (2) Flex Rigid configuration handles only angular misalignment.
- (3) Balance requires the manufacture of 2 special flexible hubs.

\*When ordering please specify bore diameter with tolerances for both hubs, keyway sizes, set screws if applicable, speed, horsepower, and application details.

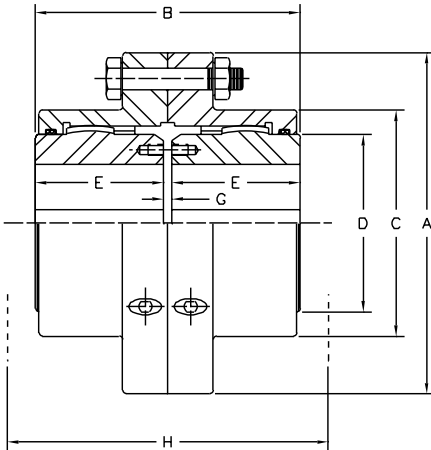
Below is an ordering example of a Full Flex 4 C Coupling

Item (Qty)	Part Number	Description
Flex Hub (2)	G4CRB	4 C Rough Bore Flex Hub
Sleeve (1)	G4CS	4 C Sleeve
Accessory Kit (1)	G4CAK	Seals & Lockrings for C4 Coupling

Below is an ordering example of a Flex Rigid 4 C Coupling

Item (Qty)	Part Number	Description
Flex Hub (1)	G4CRB	4 C Rough Bore Flex Hub
Rigid Hub (1)	G4CRRB	4 C Rough Bore Rigid Hub
Sleeve (1)	G4CS	4 C Sleeve
Accessory Kit (1)	G4CAK	Seals & Lockrings for C4 Coupling

# F SERIES FLANGED SLEEVE GEAR COUPLINGS



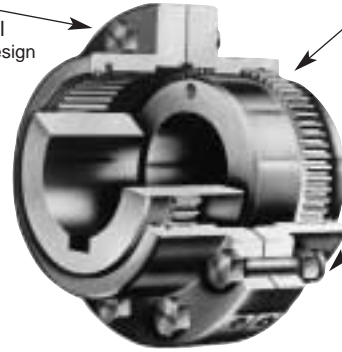
**Ordering**  
Couplings are sold by component.

**Two Sleeves**  
High quality carbon steel  
Exposed and Shrouded Bolt Design

**Two Hubs**  
High quality carbon steel

**One Accessory Kit**  
Gasket and Hardware

- Exposed bolt design is standard on all sizes.
- Puller holes are optional.
- Shrouded bolt design is available on size 1 through 5 when specified.
- Shrouded bolt style; hardware is recessed in counter bored holes.



## F STANDARD TYPE DIMENSIONS (3)

Size	A	B	C	D	E	G	H (1)	Max. Parallel Misalignment (4)	Approx. Wt. (Lbs.) Solid Bore
1	4.56	3.50	3.00	2.31	1.69	0.12	4.19	0.055	9
1 1/2	6.00	4.00	3.88	3.00	1.94	0.12	4.75	0.060	19
2	7.00	5.00	4.81	4.00	2.44	0.12	6.00	0.085	34
2 1/2	8.38	6.25	5.81	4.62	3.03	0.19	7.12	0.105	55
3	9.44	7.38	6.81	5.62	3.59	0.19	8.12	0.115	86
3 1/2	11.00	8.62	7.84	6.50	4.19	0.25	9.38	0.130	135
4	12.50	9.75	9.19	7.50	4.75	0.25	10.25	0.150	195
4 1/2	13.62	10.94	10.31	8.50	5.31	0.31	11.50	0.175	268
5	15.31	12.38	11.44	9.50	6.03	0.31	13.00	0.200	394
5 1/2	16.75	14.12	12.69	10.50	6.91	0.31	14.38	0.220	526
6	18.00	15.12	13.94	11.50	7.41	0.31	17.00	0.120	687
7	20.75	17.75	15.75	13.00	8.69	0.38	20.00	0.135	1017
8	23.25	22.38	18.50	15.50	11.00	0.38	25.00	0.160	1560
9	26.00	23.50	20.38	17.00	11.50	0.50	26.50	0.165	2015

## RATINGS (4)

SIZE	HP @ 100 RPM	TORQUE in. lbs.	FLEXIBLE HUBS			MAX RPM UNBALANCED	MAX RPM BALANCED AGMA CL. 8 (2)
			MIN BORE	MAX BORE STD KEY	MAX BORE SHALLOW KEY		
1	12	7563	0.44	1.62	1.75	6000	9500
1 1/2	30	18900	0.44	2.13	2.25	5500	8500
2	50	31500	0.56	2.75	3.00	5000	7800
2 1/2	90	56700	0.81	3.25	3.38	4400	6800
3	150	94500	1.19	4.00	4.25	4000	6200
3 1/2	240	151300	1.56	4.62	5.00	3500	5500
4	350	220600	1.81	5.50	5.62	3000	4600
4 1/2	480	302500	1.81	6.00	6.44	2700	4100
5	690	434900	2.31	6.88	7.00	2500	3900
5 1/2	910	573500	3.06	7.75	7.88	2200	CONSULT ENGINEERING
6	1190	750000	4.06	8.63	8.75	2100	
7	1600	1008400	4.56	9.50	9.75	2000	
8	2085	1323500	5.06	11.00	--	1900	
9	2714	1827700	5.94	12.00	--	1800	

(1) "H" Dimension – Clearance to align coupling

(2) AGMA class 8 balance requires the manufacturer of two special flexible hubs

Note 3. When ordering please specify bore diameter with tolerances for both hubs, keyway sizes, set screws if applicable, speed, horsepower, and application details.

Note 4. Horsepower. Torque capacity and parallel misalignment capacity for sizes 1 through 5-1/2 are based on 1-1/2 degrees angular misalignment per gear mesh and maximum bore. Sizes 6 through 9 are based on 3/4 degree angular misalignment. Consult engineering for greater HP capacity.

Many configurations of "F" Series couplings are available to fit your unique application. Consult Wood's mechanical application engineers for design.

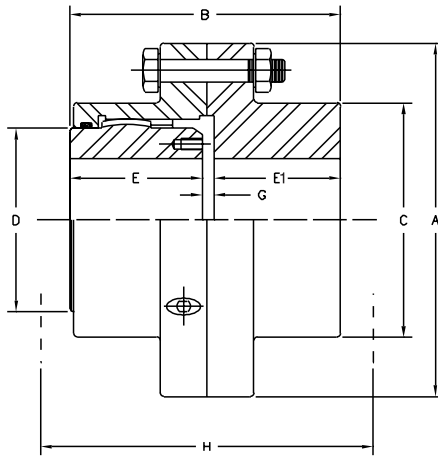
Below is an ordering example of a 4F coupling.

Item (Qty)	Part Number	Description
Flex Hubs (2)	<b>G4FRB</b>	4F Rough Bore Flex Hubs
Sleeves (2)	<b>G4FSEB or G4FSSB</b>	4F Sleeve with Exposed Bolts 4F Sleeve with Shrouded Bolts
Accessory Kit (1)	<b>G4AEB or G4ASB</b>	Hardware and Gasket for 4F with Exposed Bolts Hardware and Gasket for 4F with Shrouded Bolts



# F SERIES FLANGED SLEEVE GEAR COUPLINGS - Single Engagement Type/Floating Shaft

- Exposed bolt design is standard on all sizes.
- Puller holes are optional.
- Shrouded bolt design is available on size 1 through 5 when specified.
- Shrouded bolt style; hardware is recessed in counter bored holes.



**F Series Flex Rigid  
FFR**

**STANDARD DIMENSIONS**

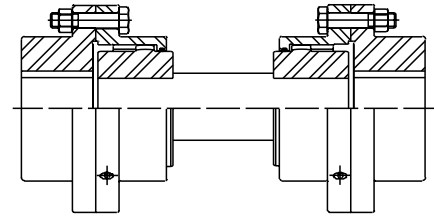
Size	A	B	C	D	E	E1	G	H	Approx. Wt. (Lbs.) Solid Bore
1	4.56	3.37	3.00	2.31	1.69	1.56	0.12	4.19	9
1 1/2	6.00	3.91	3.88	3.00	1.94	1.84	0.13	4.75	17
2	7.00	4.85	4.81	4.00	2.44	2.28	0.13	6.00	34
2 1/2	8.38	6.12	5.81	4.62	3.03	2.9	0.19	7.12	55
3	9.44	7.18	6.81	5.62	3.59	3.4	0.19	8.12	86
3 1/2	11.00	8.40	7.84	6.50	4.19	3.96	0.25	9.38	135
4	12.50	9.43	9.19	7.50	4.75	4.43	0.25	10.25	195
4 1/2	13.62	10.61	10.31	8.50	5.31	4.99	0.31	11.50	268
5	15.31	12.02	11.44	9.50	6.03	5.68	0.31	13.00	394
5 1/2	16.75	13.33	12.69	10.50	6.91	6.11	0.31	14.38	526
6	18.00	14.96	13.94	11.50	7.41	7.24	0.31	17.00	687
7	20.75	17.75	15.75	13	8.69	8.68	0.38	20.00	1017

**RATINGS**

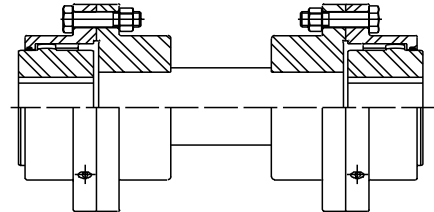
SIZE	HP @ 100 RPM	TORQUE in. lbs.	FLEXIBLE HUBS			RIGID HUBS			MAX RPM UNBALANCED	MAX RPM BALANCED AGMA CLASS 8
			MIN BORE	MAX BORE STD KEY	MAX BORE SHALLOW KEY	MIN BORE	MAX BORE STD KEY	MAX BORE SHALLOW KEY		
1	12	7563	0.44	1.62	1.75	0.44	2.19	2.31	DETERMINED	BY BSE
1 1/2	30	18900	0.44	2.13	2.25	0.44	2.81	3.06		
2	50	31500	0.56	2.75	3.00	0.56	3.50	3.75		
2 1/2	90	56700	0.81	3.25	3.38	0.81	4.25	4.50		
3	150	94500	1.19	4.00	4.25	1.19	4.88	5.25		
3 1/2	240	151300	1.56	4.62	4.88	1.56	5.63	6.13		
4	350	220600	1.81	5.50	5.62	1.81	6.50	6.88		
4 1/2	480	302500	1.81	6.00	6.44	1.81	7.38	8.00		
5	690	434900	2.31	6.88	7.00	2.56	8.38	8.88		
5 1/2	910	573500	3.06	7.75	7.88	3.06	9.25	9.88		
6	1190	750000	4.06	8.63	8.75	4.06	10.13	11.00		
7	1600	1008400	4.56	9.50	9.75	4.56	11.25	12.25		

Below is an ordering example of an 4 FR Coupling

Item (Qty)	Part Number	Description
Flex Hub (1)	G4FRB	4 F Rough Bore Flex Hub
Sleeve (1)	G4FSEB or G4FSSB	4 F Sleeve with Exposed Bolts 4 F Sleeve with Shrouded Bolts
	Rigid Hub	G4FREBRB or G4FRSBRB
Accessory Kit (1)	G4AEB or G4ASB	Hardware and Gasket for 4F with Exposed Bolts Hardware and Gasket for 4F with Shrouded Bolts



**OUTBOARD RIGID HUBS**



**INBOARD RIGID HUBS**

**FFS (4)**

Maximum RPM of Floating Shaft set, determined by critical speed of Floating Shaft.

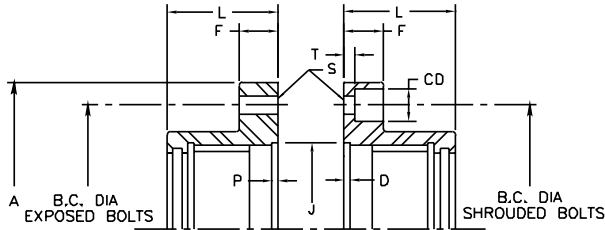
**Note 1.** Horsepower, Torque Capacity and Parallel misalignment capacity for sizes 1 through 5-1/2 are based on 1-1/2 degrees angular misalignment per gear mesh and maximum bore. Sizes 6 and 7 are based on 3/4 degrees angular misalignment.

**Note 2.** A single flex-rigid coupling does not accept parallel misalignment.

**Note 3.** When ordering a complete floating shaft coupling specify the distance between shaft ends, bore diameter with tolerances for both outboard hubs, keyway sizes, set screws if applicable, speed, horsepower, and all application details.

**Note 4.** Due to larger bore capacity outboard rigid hubs will be furnished unless otherwise specified.

# "F" SERIES FLANGE DETAILS



EXPOSED BOLTS				SHROUDED BOLTS			
SIZE	DIA.-THD.	LENGTH	GRIP (MAX)	SIZE	DIA.-THD.	LENGTH	GRIP (MAX)
F-1	1/4-28	1-1/2	1"	F-1	1/4-28	3/4	5/16
F-1-1/2	3/8-24	2	1-3/8	F-1-1/2; 2	3/8-24	1"	7/16
F-2	1/2-20	2-1/4	1-3/16	F-2-1/2; 3	1/2-20	1-3/16	17/32
F-2-1/2; 3	5/8-18	2-3/4	1-5/8	F-3-1/2; 4; 4-1/2	5/8-18	1-1/2	21/32
F-3-1/2; 4; 4-1/2	3/4-16	3-1/4	2-1/16	F-5	3/4-16	2	1"
F-5; 5-1/2	7/8-14	4-1/4	2-3/4				
F-6	7/8-14	3-1/4	1-3/4				
F-7	1"-14	3-1/2	2				

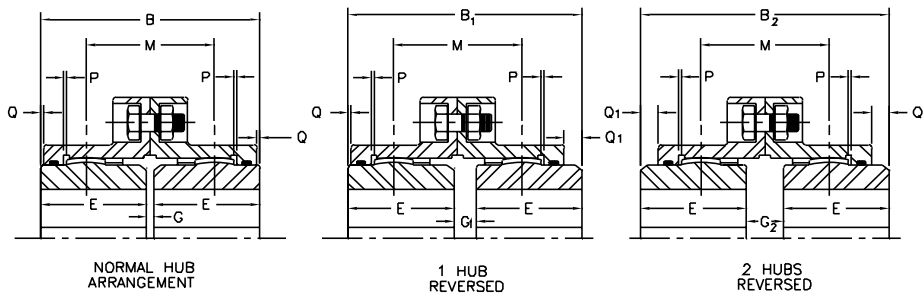
SIZE	A	P	F	J	L	EXPOSED BOLTS			SHROUDED BOLTS			CD	T
						No.	B.C. DIA	S	No.	B.C. DIA	S		
G1F	4-9/16	3/32	9/16	2.875	1-21/32	(6)	3.750	.250	(6)	3.750	.250	41/64	3/16
G15F	6	3/32	3/4	3.687	1-7/8	(8)	4.812	.375	(8)	4.812	.375	13/16	1/4
G2F	7	3/32	3/4	4.625	2-3/8	(6)	5.875	.500	(10)	5.812	.375	13/16	1/4
G25F	8-3/8	3/32	15/16	5.437	2-7/8	(6)	7.125	.625	(10)	7.000	.500	1-1/16	5/16
G3F	9-7/16	3/32	15/16	6.437	3-5/16	(8)	8.125	.625	(12)	8.000	.500	1-1/16	5/16
G35F	11	3/32	1-1/8	7.375	3-13/16	(8)	9.500	.750	(12)	9.281	.625	1-5/16	3/8
G4F	12-1/2	3/16	1-1/8	8.750	4-1/4	(8)	11.000	.750	(14)	10.625	.625	1-5/16	3/8
G45F	13-5/8	3/16	1-1/8	9.750	4-13/16	(10)	12.000	.750	(14)	11.750	.625	1-5/16	3/8
G5F	15-5/16	3/16	1-1/2	10.750	5-1/2	(8)	13.500	.875	(14)	13.188	.750	1-9/16	9/16
G55F	16-3/4	3/16	1-1/2	12.125	6	(14)	14.500	.875	(16)	14.437	.750	1-9/16	9/16
G6F	18	3/16	1	13.375	6-11/16	(14)	15.750	.875	EXPOSED BOLTS ONLY				
G7F	20-3/4	1/4	1-1/8	14.625	7-3/8	(16)	18.250	1.00					

Dimensions in inches

TB Wood's bolt circle meets AGMA 516.01 flexible gear type couplings flange dimensions.

## Standard Coupling Minimum-Maximum Hub Gap

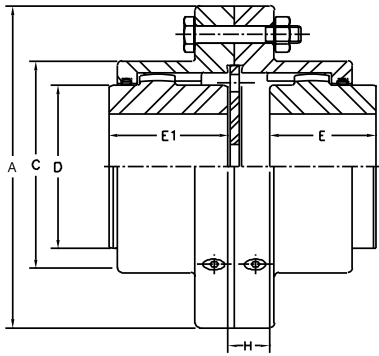
TB Wood's standard "F" Series Gear Coupling can satisfy shaft gap up to three inches by merely reversing the hubs. Reverse one or both hubs to provide the needed gap.



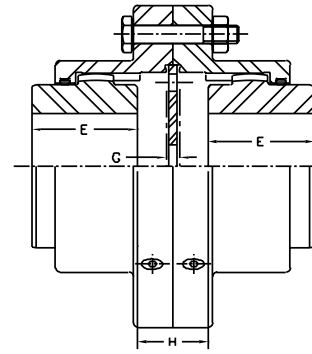
SIZE	B	B <sub>1</sub>	B <sub>2</sub>	E	G	G <sub>1</sub>	G <sub>2</sub>	M	P	Q	Q <sub>1</sub>
G1F	3-1/2	3-13/16	4-1/8	1-11/16	1/8	7/16	3/4	2-1/8	1/16	3/32	13/32
G15F	4	4-1/4	4-1/2	1-15/16	1/8	3/8	5/8	2-5/16	1/16	1/8	3/8
G2F	5	5-11/16	6-3/8	2-7/16	1/8	13/16	1-1/2	3-1/4	1/16	1/8	13/16
G25F	6-1/4	7-1/32	7-13/16	3-1/32	3/16	31/32	1-3/4	4	3/32	1/4	1-1/32
G3F	7-3/8	8-1/32	8-11/16	3-19/32	3/16	27/32	1-1/2	4-7/16	3/32	3/8	1-1/32
G35F	8-5/8	9-3/16	9-3/4	4-3/16	1/4	13/16	1-3/8	5	3/32	1/2	1-1/16
G4F	9-3/4	10-7/16	11-1/8	4-3/4	1/4	15/16	1-5/8	5-11/16	1/8	5/8	1-5/16
G45F	10-15/16	12	13-1/16	5-5/16	5/16	1-3/8	2-7/16	6-11/16	1/8	21/32	1-23/32
G5F	12-3/8	13-23/32	15-1/16	6-1/32	5/16	1-21/32	3	7-11/16	3/16	11/16	2-1/32
G55F	14-1/8	15-11/32	16-9/16	6-29/32	5/16	1-17/32	2-3/4	8-7/16	3/16	1-1/16	2-9/32
G6F	15-1/8	16-17/32	17-15/16	7-13/32	5/16	1-23/32	3-1/8	9-1/8	5/32	7/8	2-9/32
G7F	17-3/4	19-1/16	20-3/8	8-11/16	3/8	1-11/16	3	10-3/8	3/16	1-1/2	2-13/16



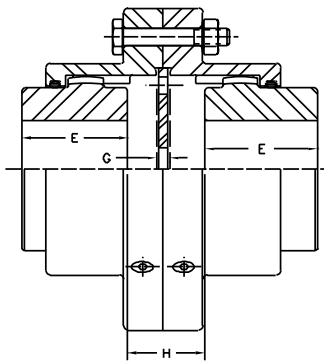
# F SERIES FLANGED SLEEVE GEAR COUPLINGS – Short Slide Couplings



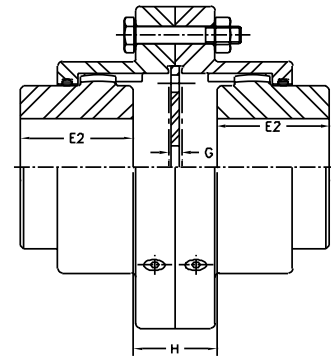
**FSL-1**  
**ONE HUB FACED OFF, ONE HUB REVERSED**



**FSL-2**  
**TWO HUBS REVERSED**



**FSL-3**  
**ONE HUB REVERSED, ONE MODIFIED MM HUB**



**FSL-4**  
**TWO MODIFIED MM HUBS**

## F SERIES SHORT SLIDE DIMENSIONS

Size	A	C	D	E STD	E1 SHT STD	E2 SHT MM	G (1)	H(2)				Total axial travel (Fig 1)	Total axial travel (Fig 2)	Total axial travel (Fig 3)	Total axial travel (Fig 4)
								One hub reversed, one faced off (Fig 1)	Two hubs reversed (Fig 2)	One hub reversed, one mill motor hub (Fig 3)	Two mill motor hubs (Fig 4)				
1	4.56	3.00	2.31	1.69	1.63	1.69	0.12	0.16	0.50	0.16	0.50	0.16	0.31	0.66	1.00
1 1/2	6.00	3.88	3.00	1.94	1.88	1.94	0.12	0.34	0.72	0.34	0.72	0.34	0.69	1.06	1.44
2	7.00	4.81	4.00	2.44	2.38	2.44	0.12	0.59	0.97	0.59	0.97	0.59	1.19	1.56	1.94
2 1/2	8.38	5.81	4.62	3.03	2.94	3.03	0.19	0.63	1.25	0.63	1.25	0.63	1.25	1.88	2.50
3	9.44	6.81	5.62	3.59	3.50	3.59	0.19	0.75	1.50	0.75	1.50	0.75	1.50	2.25	3.00
3 1/2	11.00	7.84	6.50	4.19	4.13	4.19	0.25	0.97	1.84	0.97	1.84	0.97	1.94	2.81	3.69
4	12.50	9.19	7.50	4.75	4.59	4.75	0.25	1.00	2.03	1.00	2.03	1.00	2.00	3.03	4.06
4 1/2	13.62	10.31	8.50	5.31	5.16	5.31	0.31	1.13	2.34	1.13	2.34	1.13	2.25	3.47	4.69
5	15.31	11.44	9.50	6.03	5.88	6.03	0.31	1.19	2.66	1.19	2.66	1.19	2.38	3.84	5.31
5 1/2	16.75	13.33	12.69	6.91	6.75	6.91	0.31	1.38	2.94	1.38	2.94	1.38	2.75	4.31	5.88
6	18.00	13.94	11.50	7.41	7.25	7.41	0.31	1.81	3.41	1.81	3.41	1.81	3.63	5.22	6.81
7	20.75	15.75	13.00	8.69	8.50	8.69	0.38	1.56	3.81	1.56	3.81	1.56	3.13	5.38	7.63

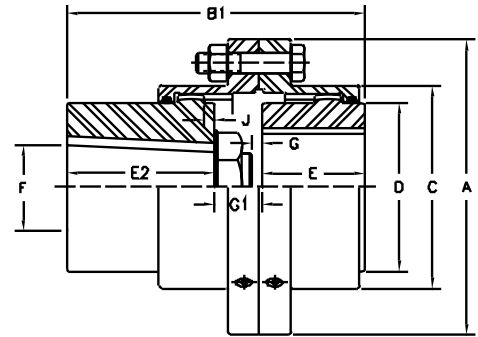
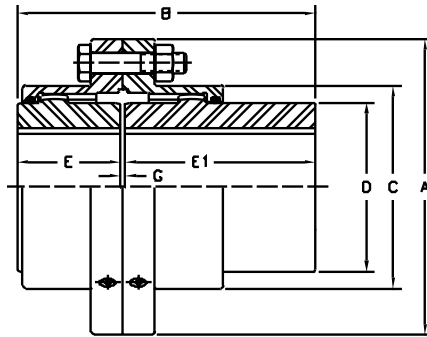
(1) Minimum distance between shaft ends.  
(2) Maximum distance between shaft ends.

Note: When ordering please specify amount of slide required, bore diameter with tolerance for both hubs, keyway sizes. Setscrews if applicable, speed, horsepower and application details.



# F SERIES FLANGED SLEEVE GEAR COUPLINGS - Mill Motor Type

- Exposed bolt design is standard on all sizes.
- Puller holes are optional.
- Shrouded bolt design is available on size 1 through 5 when specified.
- Shrouded bolt style; hardware is recessed in counter bored holes.



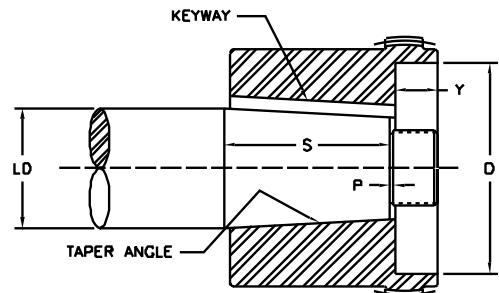
Size FMM	AISE Frame Number	A	B	B1	C	D	E	E1	E2	F	G	G1	J	KEYWAY WIDTH	KEYWAY HEIGHT	MAX BORE STD HALF	HP/100 RPM	TORQUE	MAXIMUM RPM UNBALANCED	MAX PARALLEL MISALIGNMENT
1-1/2	602 / 802	6.00	6.563	6.0000	3.88	3.00	1.94	4.50	3.00	1.7485/1.7495	0.13	1.062	0.125	0.500	0.250	2.13	30	18900	5500	0.060
	603 / 803			6.5625					3.50	1.998/1.999		1.125	0.125	0.500	0.250					
	604 / 804			6.5625					3.50	1.998/1.999		1.125	0.125	0.500	0.250					
2	603 / 803	7.00	8.063	7.1667	4.81	4.00	2.44	5.50	3.50	1.998/1.999	0.13	1.125	0.250	0.500	0.250	2.75	50	31500	5000	0.085
	604 / 804			7.1667					3.50	1.998/1.999		1.125	0.250	0.500	0.250					
	606 / 806			7.6875					4.00	2.498/2.499		1.25	0.125	0.500	0.250					
2-1/2	603 / 803	8.38	9.719	7.7188	5.81	4.62	3.03	6.50	3.50	1.998/1.999	0.19	1.188	0.530	0.500	0.250	3.25	90	56700	4400	0.105
	604 / 804			7.7188					3.50	1.998/1.999		1.188	0.530	0.500	0.250					
	606 / 806			8.3438					4.00	2.498/2.499		1.313	0.410	0.500	0.250					
3	606 / 806	9.44	10.781	8.9063	6.81	5.62	3.59	7.00	4.00	2.498/2.499	0.19	1.313	0.560	0.500	0.250	4.00	150	94500	4000	0.115
	608 / 808			9.5313					4.50	2.998/2.999		1.438	0.440	0.750	0.250					
	610 / 810			9.6563					4.50	3.248/3.249		1.563	0.310	0.750	0.250					
3-1/2	610 / 810	11.00	11.938	10.8750	7.84	6.50	4.19	7.50	4.50	2.998/2.999	0.25	1.500	0.630	0.750	0.250	4.62	240	151300	3500	0.130
	612 / 812			10.3125					4.50	3.248/3.249		1.625	0.500	0.750	0.250					
	614 / 814			10.9375					5.00	3.623/3.624		1.750	0.380	0.750	0.375					
4	610 / 810	12.50	13.250	10.8750	9.19	7.50	4.75	8.25	4.50	3.248/3.249	0.25	1.625	0.780	0.750	0.250	5.50	350	220600	3000	0.150
	612 / 812			11.5000					5.00	3.623/3.624		1.750	0.660	0.750	0.375					
	614 / 814			11.6250					5.00	4.2470/4.2485		1.875	0.530	1.000	0.375					
4-1/2	616 / 816	13.62	14.625	12.2500	10.31	8.50	5.31	9.00	5.00	4.2470/4.2485	0.31	1.938	0.910	1.000	0.375	6.00	480	302500	2700	0.175
	618 / 818			12.8750					5.50	4.6220/4.6235		2.063	0.780	1.250	0.375					
	618 / 818			12.9375					6.00	4.9970/4.9985		2.125	1.220	1.250	0.500					
5	614 / 814	15.31	15.844	12.9700	11.44	9.50	6.03	9.50	5.00	4.2470/4.2485	0.31	1.938	1.310	1.000	0.375	6.88	690	434900	2500	0.200
	616 / 816			13.5900					5.50	4.6220/4.6235		2.063	1.190	1.250	0.375					
	618 / 818			13.6563					6.00	4.9970/4.9985		2.125	1.630	1.250	0.500					
5-1/2	616 / 816	16.75	17.719	14.4688	12.69	10.50	6.91	10.50	5.50	4.6220/4.6235	0.31	2.063	1.440	1.250	0.375	7.75	910	573500	2200	0.220
	618 / 818			14.5313					6.00	4.9970/4.9985		2.125	1.880	1.250	0.500					
	620			15.7188					6.75	5.8720/5.8735		2.063	1.440	1.500	0.750					
6	616 / 816	18.00	18.969	14.9688	13.94	11.50	7.41	11.25	5.50	4.6220/4.6235	0.31	2.063	1.470	1.250	0.375	8.65	1190	750000	2100	0.120
	618 / 818			15.0313					6.00	4.9970/4.9985		2.125	1.910	1.250	0.500					
	620			16.2188					6.75	5.8720/5.8735		2.063	1.470	1.500	0.750					
	622			17.3438					7.25	6.2470/6.2485		2.688	0.840	1.500	0.750					

\*ALL KEYWAYS SHOWN ARE PARALLEL TO THE TAPER. TAPER IS 1-1/4" INCH PER FOOT ON DIAMETER.

## SPECIFYING TAPERED BORES

Please provide the following information for taper bore hubs:

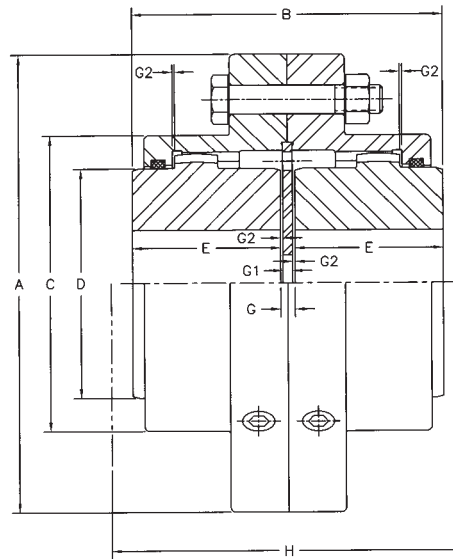
- 1) Drawing of HUB showing bore and keyway details.  
OR
  - 2) Drawing of shaft showing:
    - (LD) Large diameter, specify with tolerance.
    - (S) Length of taper, measure parallel to shaft centerline.
    - (T) Taper angle. Specify as degrees, taper per foot or a percentage.
    - (P) Desired pull-up of hub on shaft.
    - (D) Counterbore diameter as required.
    - (Y) Counterbore depth as required.
- Keyway or shaft keyseat dimensions. Specify width, depth and keyway taper angle.



# F SERIES FLANGED SLEEVE GEAR COUPLINGS – Limited End Float Type



- Exposed bolt design is standard on all sizes.
- Puller holes are optional.
- Shrouded bolt design is available on size 1 through 5 when specified.
- Shrouded bolt style; hardware is recessed in counter bored holes.



STANDARD DIMENSIONS (3)

Size	A	B	C	D	E	G	G1	G2	H(1)	LEF (5)	Parallel Misalignment Capacity (4)	Approx. Wt. (Lbs.) Solid Bore
1	4.56	3.56	3.00	2.31	1.69	0.19	0.13	.031	4.19	0.13	0.06	9
1 1/2	6.00	4.06	3.88	3.00	1.94	0.19	0.13	.031	4.75	0.13	0.06	19
2	7.00	5.06	4.81	4.00	2.44	0.19	0.13	.031	6.00	0.13	0.09	34
2 1/2	8.38	6.34	5.81	4.62	3.03	0.28	0.19	.047	7.12	0.19	0.11	54
3	9.44	7.47	6.81	5.62	3.59	0.28	0.19	.047	8.12	0.19	0.12	80
3 1/2	11.00	8.69	7.84	6.50	4.19	0.31	0.19	.063	9.38	0.25	0.13	130
4	12.50	9.91	9.19	7.50	4.75	0.41	0.31	.047	10.25	0.19	0.15	190
4 1/2	13.62	11.13	10.31	8.50	5.31	0.50	0.38	.063	11.50	0.25	0.18	250
5	15.31	12.59	11.44	9.50	6.03	0.53	0.38	.078	13.00	0.31	0.20	380
5 1/2	16.75	14.34	12.69	10.50	6.91	0.53	0.38	.078	14.38	0.31	0.22	520
6	18.00	15.31	13.94	11.50	7.41	0.50	0.38	.063	17.00	0.25	0.12	650
7	20.75	18.00	15.75	13.00	8.69	0.63	0.50	.063	20.00	0.25	0.14	950

RATINGS (4)

SIZE	HP @ RPM	TORQUE in. lbs.	FLEXIBLE HUBS			MAX RPM UNBALANCED	MAX RPM BALANCED AGMA CLASS 8 (2)
			MIN BORE	MAX BORE STD KEY	MAX BORE SHALLOW KEY		
1	12	7563	0.44	1.62	1.75	6000	9500
1 1/2	30	18900	0.44	2.13	2.25	5500	8500
2	50	31500	0.56	2.75	3.00	5000	7800
2 1/2	90	56700	0.81	3.25	3.38	4400	6800
3	150	94500	1.19	4.00	4.25	4000	6200
3 1/2	240	151300	1.56	4.62	4.88	3500	5500
4	350	220600	1.81	5.50	5.62	3000	4600
4 1/2	480	302500	1.81	6.00	6.44	2700	4100
5	690	434900	2.31	6.88	7.00	2500	3900
5 1/2	910	57350	3.06	7.75	7.88	2200	CONSULT FACTORY
6	1190	75000	4.06	8.63	8.75	2100	
7	1600	1008400	4.56	9.50	9.75	2000	

Notes:

- (1) "H" Dimension – Clearance to align coupling.
- (2) AGMA CLASS 8 balance requires the manufacture of two special flexible hubs.
- (3) When ordering please specify bore diameter with tolerances for both hubs, keyway sizes, set screws if applicable, speed, horsepower, application details, amount of thrust on either or both shafts, and amount of end float desired.
- (4) Horsepower, Torque Capacity and Parallel Misalignment Capacity for sizes 1 through 5-1/2 are based on 1-1/2 degrees angular misalignment per gear mesh and maximum bore. Sizes 6 & 7 are based on 3/4 degree angular misalignment. Consult Engineering for greater HP capacity.
- (5) Dimension is total end float. (May be modified to suit customer requirements.)

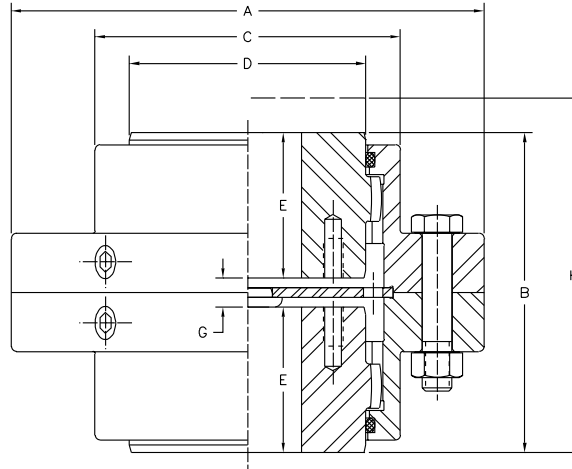
Below is an ordering example of a 4FLEF Coupling.

Item (Qty)	Part Number	Description
Flex Hubs (2)	G4FRB	4F Rough Bore Flex Hubs
Sleeves (2)	G4FSEB or G4FSSB	4F Sleeve with Exposed Bolts 4F Sleeve with Shrouded Bolts
Accessory Kit (1)	G4AEB or G4ASB	Hardware and Gasket for 4F with Exposed Bolts Hardware and Gasket for 4F with Shrouded Bolts
Plate (1)	G4LEF	4F LEF Plate



# F SERIES FLANGED SLEEVE GEAR COUPLINGS – Vertical Type

- Vertical couplings require a vertical plate and a button. Standard flex hubs are faced off (shorten) per the “E” dimension.
- Contact factory for price and availability.
- Exposed bolt design is standard on all sizes.
- Puller holes are optional.
- Shrouded bolt design is available on size 1 through 5 when specified.
- Shrouded bolt style; hardware is recessed in counter bored holes.



## STANDARD DIMENSIONS

Size	A	B	C	D	E	G	H (3)
1	4.56	3.50	3.00	2.31	1.59	0.31	4.19
1 1/2	6.00	4.00	3.88	3.00	1.78	0.44	4.75
2	7.00	5.00	4.81	4.00	2.28	0.44	6.00
2 1/2	8.38	6.25	5.81	4.62	2.84	0.56	7.12
3	9.44	7.38	6.81	5.62	3.41	0.56	8.12
3 1/2	11.00	8.62	7.84	6.50	3.97	0.69	9.38
4	12.50	9.75	9.19	7.50	4.44	0.88	10.25
4 1/2	13.62	10.94	10.31	8.50	4.97	1.00	11.50
5	15.31	12.38	11.44	9.50	5.69	1.00	13.00
5 1/2	16.75	14.12	12.69	10.50	6.56	1.00	14.38
6	18.00	15.12	13.94	11.50	7.00	1.12	17.00
7	20.75	17.75	15.75	13.00	8.12	1.50	20.00

## RATINGS

SIZE	HP @ 100 RPM	TORQUE in. lbs.	FLEXIBLE HUBS			MAXIMUM RPM UNBALANCED	MAX RPM BALANCED AGMA CLASS 8 (4)
			MIN BORE	MAX BORE STD KEY	MAX BORE SHALLOW KEY		
1	12	7563	0.440	1.620	1.750	6000	9500
1 1/2	30	18900	0.440	2.130	2.250	5500	8500
2	50	31500	0.560	2.750	3.000	5000	7800
2 1/2	90	56700	0.810	3.250	3.380	4400	6800
3	150	94500	1.190	4.000	4.250	4000	6200
3 1/2	240	151300	1.560	4.620	4.880	3500	5500
4	350	220600	1.810	5.500	5.620	3000	4600
4 1/2	480	302500	1.810	6.000	6.440	2700	4100
5	690	434900	2.310	6.880	7.000	2500	3900
5 1/2	910	573500	3.060	7.750	7.880	2200	CONSULT FACTORY
6	1190	750000	4.060	8.630	8.750	2100	CONSULT FACTORY
7	1600	1008400	4.560	9.500	9.750	2000	CONSULT FACTORY

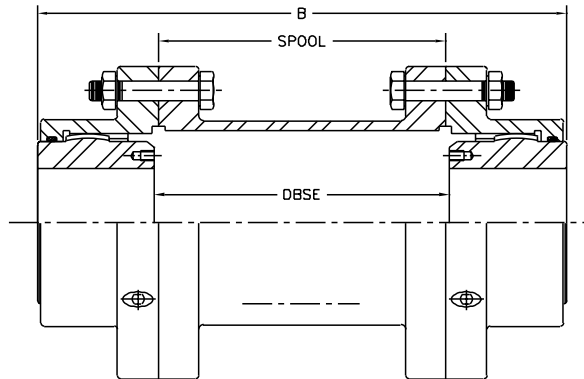
**THIS COUPLING IS ORDERED AS A COMPLETE UNIT**

### Notes:

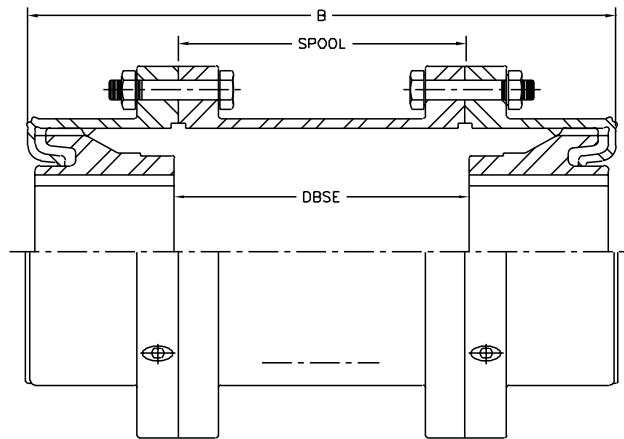
- (1) When ordering please specify bore diameter with tolerances for both hubs, keyway sizes, set screws if applicable, speed, horsepower, and application details.
- (2) Horsepower, Torque capacity, and parallel misalignment capacity for sizes 1 through 5-1/2 are based on 1-1/2 degrees angular misalignment per gear mesh and maximum bore. Sizes 6 through 9 are based on 3/4 degree angular misalignment. Consult engineering for greater HP capacity.
- (3) “H” Dimension – Clearance to align coupling.
- (4) AGMA class 8 balance requires the manufacture of two special flexible hubs. Many configurations of “F” Series couplings are available to fit your unique application. Consult Wood’s mechanical application engineers for design.

# STOCK SPACERS

## For Use With F, MXB, or K100 Series Couplings



“F” or “MXB” Spacer Type Coupling



“K 100” Series Spacer Type Coupling

Coupling Size	DBSE	Spacer Part Number	SPOOL LENGTH	F Series "B" Dimension	MXB Series "B" Dimension	K Series "B" Dimension	MAX RPM	Approx. Spacer weight
1 1/2	4 3/8	G15EBX438	4.25	8.154	8.394	8.37	5500	9.8
1 1/2	5	G15EBX5	4.88	8.784	9.024	9	5500	10.7
2	4 3/8	G2EBX438	4.25	9.154	9.37	9.37	5000	13.4
2	5	G2EBX5	4.88	9.784	10	10	5000	14.1
2	7	G2EBX7	6.88	11.784	12	12	5000	16.6
2 1/2	5	G25EBX5	4.81	11.25	11.25	11.25	4400	24
2 1/2	7	G25EBX7	6.81	13.25	13.25	13.25	4400	27
3	5	G3EBX5	4.81	12.37	12.37	12.37	4000	29
3	7	G3EBX7	6.81	14.37	14.37	14.37	4000	33
3 1/2	5	G35EBX5	4.75	13.63	13.63	13.63	3500	45
3 1/2	7	G35EBX7	6.75	15.63	15.63	15.63	3500	51

Other Sizes, DBSE's, and shrouded bolt patterns are Available as Specials.

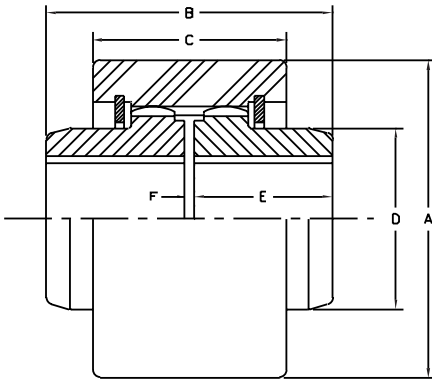
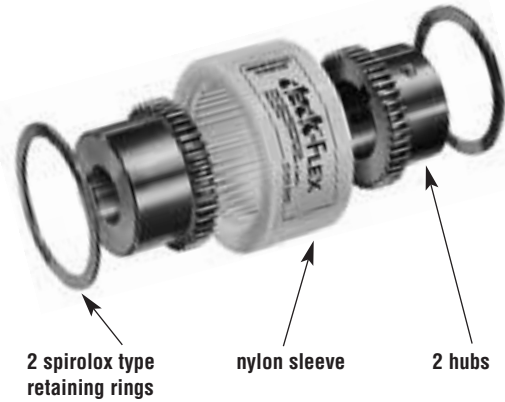
C Series Spacer couplings are also available, consult factory.

Below is an ordering example of a 2 FSP Coupling

Item (Qty)	Part Number	Description
Flex Hub (2)	G2FRB	2 F Rough Bore Flex Hub
Sleeve (2)	G2FSEB	2 F Sleeve with Exposed Bolts
Spacer (1)	G2EBX5	2 X 5" DBSE Spacer with Exposed Bolts
Accessory Kit (2)	G2AEB	Hardware and Gasket for 2 F with Exposed Bolts

## Torque & HP Ratings

RPM	Deck-Flex		Deck-Flex Mite Steel		Deck-Flex Mite Stainless Steel	
	Torque (in lbs)	HP	Torque (in lbs)	HP	Torque (in lbs)	HP
100	1420	2.2	360	0.6	240	0.4
1150	1110	20.3	282	5.1	188	3.4
1750	900	25.0	270	7.5	180	5.0
3500	630	35.3	254	13.8	169	9.2
5000	530	42.0	243	19.4	162	12.8



## Dimensions

	A	B	C	D	E	F
<b>Deck-Flex</b>	3.75	3.38	1.88	2.38	1.62	0.12
<b>Deck-Flex Mite</b>	2.88	2.38	1.31	1.75	1.12	0.12

## Ordering Example

(Couplings are sold by component)

Deck-Flex Mite		
Item (Qty)	Part Number	Description
Sleeve (1)	GDFMS	Deck-Flex Mite Sleeve
Hubs (2)	GDFM34	Deck-Flex Mite Hub for 3/4" Bore
Assembly Kit (1)	GDFMAK	Retaining Rings for Assembly

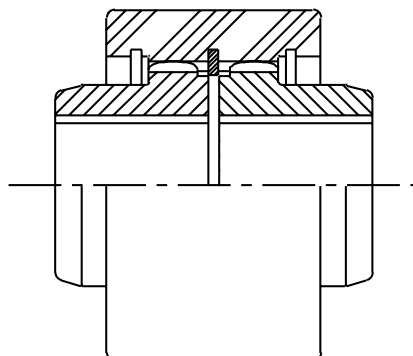
Deck-Flex		
Item (Qty)	Part Number	Description
Sleeve (1)	GDFS	Deck-Flex Sleeve
Hubs (2)	GDF34	Deck-Flex Hub for 3/4" Bore
Assembly Kit (1)	GDFAK	Retaining Rings for Assembly

## Stock Bores

Bore	Deck-Flex Mite	Deck-Flex
5/16	Rough Bore	
3/8	...	Rough Bore
1/2	1/8 x 1/16	1/8 x 1/16
5/8	3/16 x 3/32	3/16 x 3/32
3/4	3/16 x 3/32	3/16 x 3/32
7/8	3/16 x 3/32	3/16 x 3/32
1	1/4 x 1/8	1/4 x 1/8
1-1/8	1/4 x 1/8	1/4 x 1/8
1-1/4		1/4 x 1/8
1-5/16		5/16 x 5/32
1-3/8		5/16 x 5/32
1-7/16		3/8 x 3/16
1-1/2		3/8 x 3/16
1-5/8		3/8 x 3/16

- No Lubrication
- Operation up to 5000 rpm
- Light Weight
- Can be altered for blind assembly
- Nylon couplings operate up to 150°F
- Misalignment – 5° for Deck Flex  
3° for Deck Flex Mite

**Note: Some acids and alkalis can be harmful to the nylon sleeve.**



## AGMA Class 1 Bore Tolerance +.000/+.001

Blind assembly couplings can be produced by ordering a 3 groove sleeve (GDFS3 or GDFMS3) and installing a center retaining ring. With the addition of this center retaining ring, the outer rings are not needed and the installation involves no more than sliding the hubs into the sleeves.