Joyce Model S and Model F geared couplings offer greater torque capacity than jaw couplings. With more gear teeth around the inner circumference of the coupling, plus high torsional, radial and angular stiffness mean that you get a more durable coupling.

Joyce Model S sleeve-type gear couplings are available in flex/rigid and flex/flex configurations.

Model F flange-type gear couplings offer superior radial-misalignment capability and radial flexibility.

Model J jaw-type couplings are ideal for many general industrial applications, require no lubrication and are resistant to oil, grease, moisture and other contaminants.

Model S Coupling

Specifying Information

When specifying hub sizes, please refer to the table to determine the three digit code. The first digit is the whole number of inches in shaft diameter, while the next two digits give the decimal equivalents of fractional inches.

1	63	= 1 5/8" dia. bore
shaft diameter in inches	shaft diameter decimal	

Fraction	Dec. Code	Fraction	Dec. Code
0	00	1/2	50
1/16	06	9/16	56
1/8	13	5/8	63
3/16	19	11/16	69
1/4	25	3/4	75
5/16	31	13/16	81
3/8	38	7/8	88
7/16	44	15/16	94

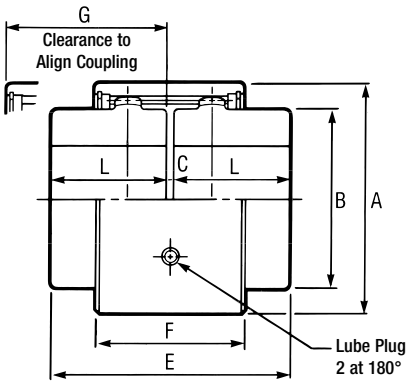
Ordering Information — Order must indicate coupling size, coupling type (S = sleeve; F = flange; J = jaw), large diameter hub code, hub type (F = flex; R = rigid), small diameter hub code, hub type (F or R), and fit type (S = slip; I = interference).

Example: for sleeve and flange type

10	S	163	F	125	F	S
coupling size	coupling type	large diameter hub code	hub type	small diameter hub code	hub type	fit type

Example: for jaw type

09	J	100	88
coupling size	coupling type	large diameter hub code	small diameter hub code



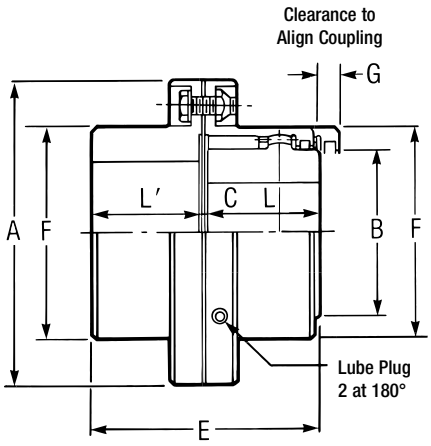
Model S Sleeve-Type

Size	Max. Bore (In.)	Load Capacity		Max. (RPM x 10^3)	Parallel Offset Capacity (In.)	Lube Capacity			Dimension — Inch							Wt. Solid Hubs (Lbs.)	WR^2 Solid Hubs (Lb. $In.^2$)
		HP/100 (RPM)	Torque (In. Lbs. x 10^3)			Grease		Oil Volume	A	B	L	C	E	F	G		
						Weight	Volume										
6S	1 1/16	4.5	2.84	19.0	.009	3/32 oz.	.006 pt.	.002 pt.	2 3/8	1 9/16	1 3/16	3/32	2 15/32	1 13/32	1 1/2	2.0	.86
8S	1 5/16	7.0	4.41	16.0	.009	5/16 oz.	.019 pt.	.006 pt.	2 13/16	1 31/32	1 13/32	3/32	2 29/32	1 13/32	1 1/2	3.3	2.4
10S	1 5/8	15.5	9.77	12.6	.015	11/32 oz.	.020 pt.	.006 pt.	3 9/16	2 3/8	1 9/16	3/32	3 7/32	1 27/32	1 7/8	6.1	8.1
12S	1 15/16	22	13.9	11.5	.015	3/8 oz.	.022 pt.	.007 pt.	3 15/16	2 25/32	1 25/32	3/32	3 21/32	1 27/32	1 15/16	8.7	13.5
15S	2	31	19.5	11.0	.039	7/8 oz.	1/16 pt.	1/64 pt.	4 1/8	2 15/16	1 15/16	1/8	4	2 25/32	2 29/32	11.5	21.1
20S	2 5/8	51	32.1	8.8	.045	1 5/8 oz.	1/8 pt.	1/32 pt.	5 1/8	3 3/4	2 7/16	1/8	5	3 3/16	3 5/16	21.5	60.8

Notes: 1. Load capacities listed are the ratings based on full 1° misalignment per gear mesh.
2. Maximum bore listed are based on using a square key.
3. Speeds shown are without dynamic balancing.
4. Slip fit is standard.

Note: Drawings are artist's conception — not for certification; dimensions are subject to change without notice.

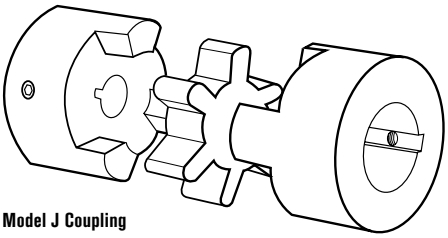
Model F Coupling



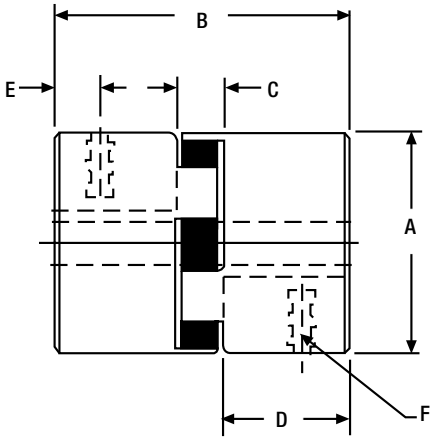
Model F Flange-Type

Size	Max. Bore (In.)		Load Capacity		Max. (RPM x 10^3)	Lube Capacity			Dimension — Inch								Wt. Solid Hubs (Lbs.)	WR^2 Solid Hubs (Lb. $In.^2$)
	Flex. Half	Rigid Half	HP/100 (RPM)	Torque (In. Lbs. x 10^3)		Grease		Oil Volume	A	B	L	L´	C	E	F	G		
						Weight	Volume											
10F	1 5/8	2 1/8	15.5	9.77	6.5	.6 oz.	1/32 pt.	1/64 pt.	4 9/16	2 27/64	1 11/16	1 9/16	3/16	3 7/16	3 7/64	7/16	9.4	18.2
15F	2	2 3/4	31	19.5	5.3	1 1/8 oz.	1/16 pt.	1/32 pt.	6	2 15/16	1 15/16	1 27/32	5/32	3 15/16	3 29/32	13/32	18.8	66
20F	2 5/8	3 3/8	51	32.1	5.0	2 1/2 oz.	1/8 pt.	1/16 pt.	7	3 3/4	2 7/16	2 9/32	5/32	4 7/8	4 7/8	1/2	31.4	142

Notes: 1. Load capacities listed are the ratings based on full 1° misalignment per gear mesh.
2. Shrouded bolt designs are standard, but exposed will be furnished upon request.
3. Maximum bore listed are based on using a square key.
4. Speeds shown are without dynamic balancing.
5. Slip fit is standard.



Model J Coupling



Model J Jaw-Type

Size	Max. Bore (In.)	Load Capacity	Dimension — Inch						Wt. Solid Hubs (Lbs.)	WR^2 Solid Hubs (Lb. $In.^2$)
		Torque (In. Lbs.)	A	B	C	D	E	F		
03J	.375	3.5	.62	.81	.27	.27	.13	#6-32	.1	.003
05J	.563	26.3	1.08	1.72	.48	.62	.31	1/4-20	.3	.054
07J	.750	43.2	1.36	2.00	.50	.75	.38	1/4-20	.6	.115
08J	.875	90.0	1.75	2.12	.50	.81	.31	1/4-20	1.0	.388
09J	1.000	144.0	2.11	2.12	.50	.81	.44	1/4-20	1.5	.772

Note: Torque values based on nitrile insert, other insert material available upon request.

Note: Drawings are artist's conception — not for certification; dimensions are subject to change without notice.