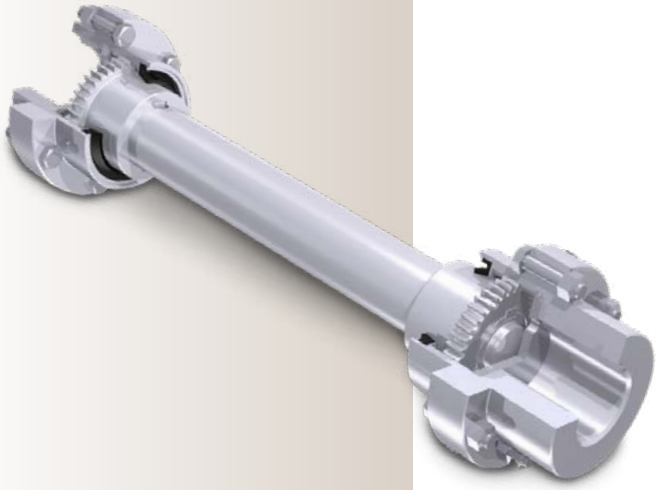
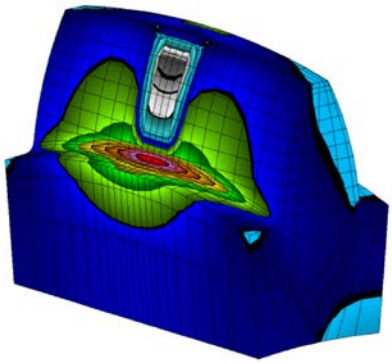


High Angle & High Torque? No Problem

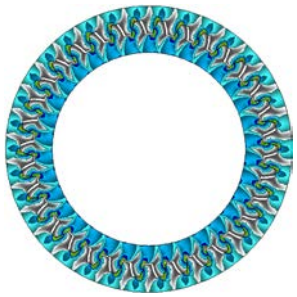
If the operating conditions of your equipment require high torque transmission at high misalignments, Amerigear 6° Gear Spindle Couplings are your solution

Ameridrives Spindle Gear Couplings

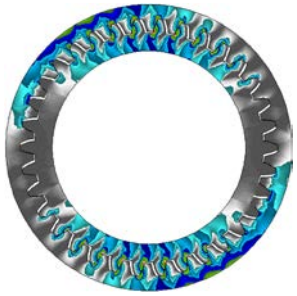


Single Tooth 3D Model with 100% of teeth in contact

- Ameridrives gearing design optimizes torque capacity and misalignment capacity
- As misalignment increases, fewer teeth are in contact to transmit torque
- Material and Heat Treatment options give design flexibility
- Standard design fits where a Standard Gear coupling fits
- Proven and installed by OEMs serving Metals, Mining & Paper



360º 2D model simulating 100% of teeth in contact



360º 2D model at angle providing bending stress and percent of teeth in contact

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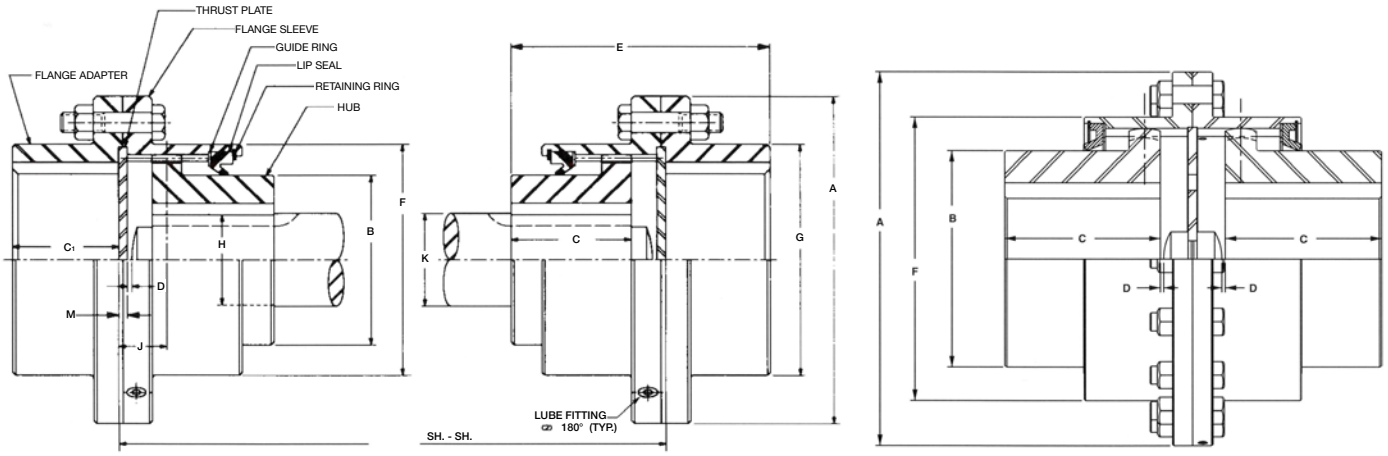
SF (Flange Type) Engineering Data



Standard SF

Close Coupled SF

Application

The SF Spindle is for medium torque applications where high misalignment capacity is required. It is used on applications where equipment is not subjected to frequent diconnecting of drive components. Typical applications include auxiliary equipment such as pinch rolls, tension bridles, continuous casting equipment, plastic and rubber calenders, rotary side guides, paper mills, as well as electrolytic cleaning, pickle and galvanizing lines.

Description

The Amerigear Series SF Flexible Spindle is similar to a tandem arrangement using flange-type couplings (Series F) except the gearing will accommodate higher misalignment. The gear teeth are heat treated to provide higher torque ratings and special molded high angle lip type seals are used. Close coupled SF spindles are also available.

	Adapter Bore and Keyway Data				Dimensions											
	Square Key		Reduced Key													
Size	Max. Bore	Keyway	Max. Bore	Keyway	A	B	C	C1	D	E	F	G	H	J	K	M
3 9/16	1 3/4	3/8 x 3/16	1 7/8	3/8 x 1/8	3 9/16	1 5/8	1 3/8	1 3/8	1/16	3 9/32	2 5/8	2 9/16	1	1 1/16	1 1/8	1/4
4	2	1/2 x 1/4	2 1/8	1/2 x 3/16	4	1 7/8	1 11/16	1 11/16	1/16	3 15/16	3	3	1 1/4	3/4	1 5/8	1/4
6	2 11/16	5/8 x 5/16	2 7/8	5/8 x 7/32	6	2 5/8	1 15/16	1 3/4	1/8	4 7/16	3 7/8	3 7/8	1 3/4	1	1 7/8	1/4
7	3 1/4	7/8 x 7/16	3 1/2	7/8 x 5/16	7	3 3/8	2 7/16	2 1/4	1/8	5 1/2	5	4 7/8	2 1/8	1 1/8	2 1/4	1/4
8 3/8	4	1 x 1/2	4 1/4	1 x 3/8	8 3/8	4 1/8	3 1/32	2 13/16	1/8	6 31/32	6	5 7/8	2 7/8	1 1/2	3	3/8
9 7/16	4 5/8	1 1/4 x 5/8	5	1 1/4 x 7/16	9 7/16	5 1/8	3 19/32	3 5/16	1/8	7 31/32	7	6 13/16	3 3/8	1 1/2	3 1/2	3/8
11	5 3/8	1 1/4 x 5/8	5 3/4	1 1/4 x 7/16	11	5 5/8	4 3/16	3 7/8	1/8	9 5/16	8	7 3/4	3 7/8	1 3/4	4	3/8
12 1/2	6 1/4	1 1/2 x 3/4	6 3/4	1 1/2 x 1/2	12 1/2	6 1/2	4 3/4	4 3/8	1/8	10 7/16	9 5/16	9 1/16	4 7/16	1 7/8	4 5/8	1/2
13 5/8	6 7/8	1 3/4 x 7/8	7 3/8	1 3/4 x 5/8	13 5/8	7 1/4	5 5/16	4 15/16	1/8	11 11/16	10 3/8	10 3/16	4 15/16	2 1/16	5 1/8	1/2
15 5/16	7 7/8	1 3/4 x 7/8	8 3/8	1 3/4 x 5/8	15 5/16	8 1/2	6 1/32	5 11/16	3/16	13 9/32	11 5/8	11 3/8	5 7/16	2 1/4	5 3/4	1/2
16 9/16	8 3/4	2 x 1	9 1/4	2 x 3/4	16 9/16	9	6 5/8	6 1/16	3/16	14 1/2	12 5/8	12 1/2	5 15/16	2 9/16	6 1/4	1/2
8	9 3/8	2 x 1	9 7/8	2 x 3/4	18	10	7 13/32	7 5/32	3/16	16 7/16	13 7/8	13 1/2	6 7/16	2 11/16	7	1/2
20 3/4	10 3/4	2 1/2 x 1 1/4	11 1/2	2 1/2 x 7/8	20 3/4	12	8 11/16	8 7/16	3/16	19 3/16	15 3/4	15 3/4	6 15/16	2 15/16	7 1/2	1/2

Dimensions in inches

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