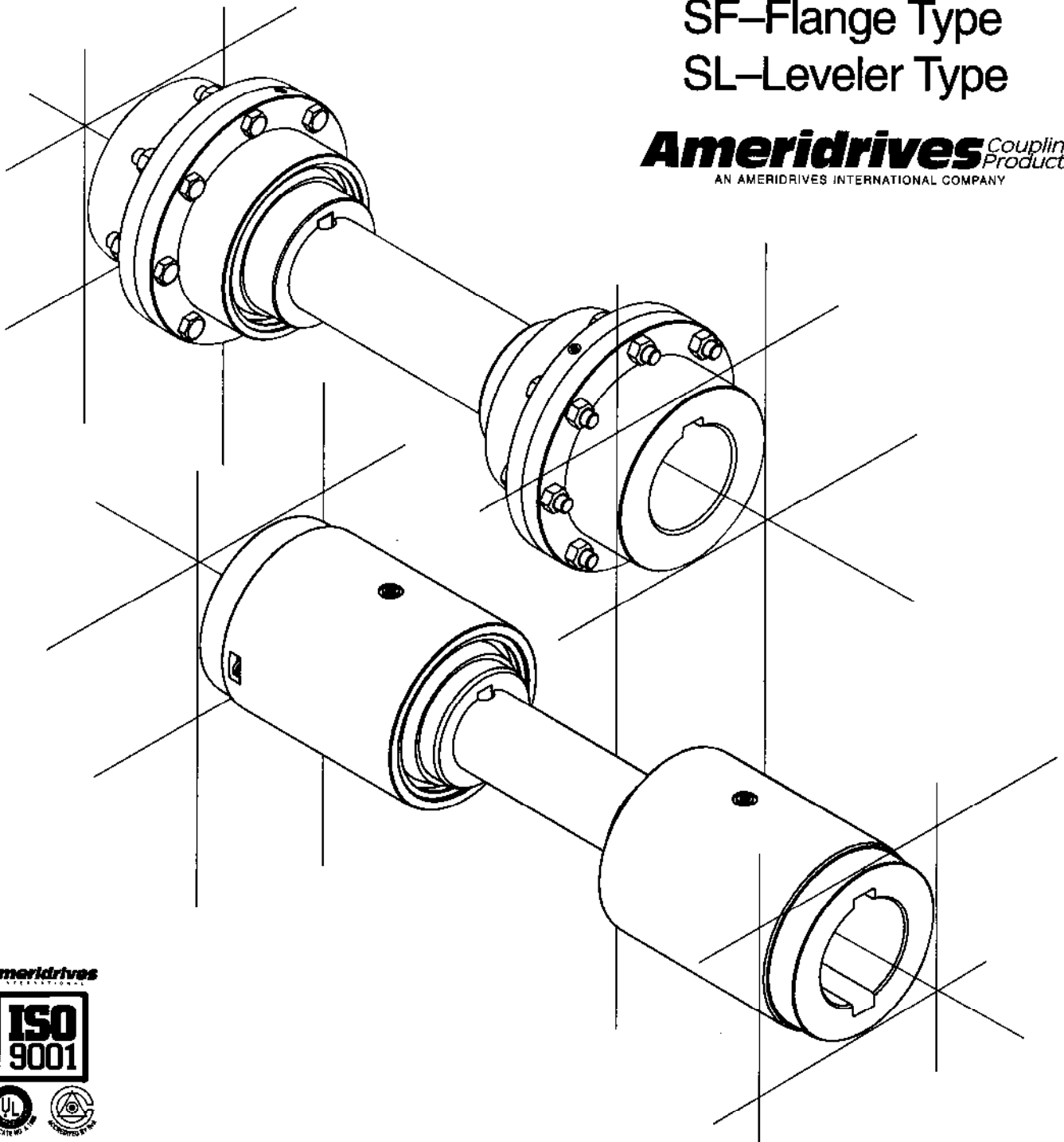


Amerigear®

High Misalignment
Gear Couplings
SF-Flange Type
SL-Leveler Type

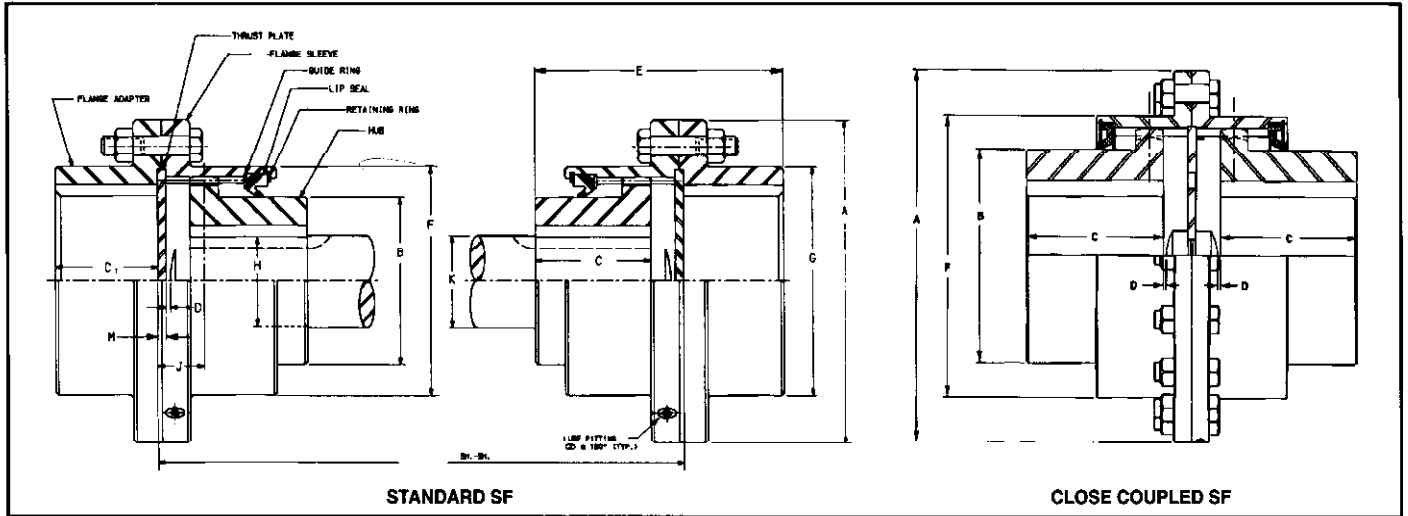
Ameridrives *Coupling
Products*
AN AMERIDRIVES INTERNATIONAL COMPANY



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SF (Flange Type) Engineering Data



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 disconnecting of drive components. Typical applications

include auxiliary equipment such as pinch rolls, tension bridles, continuous casting equipment, plastic and rubber calendars, 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.

Size	Adapter Bore and Keyway Data				Dimensions												
	Square Key		Reduced Key		A	B	C	C ₁	D	E	F	G	H	J	K	M	
	Max. Bore	Keyway	Max. Bore	Keyway													
3.56	1 $\frac{1}{4}$	$\frac{3}{8}$ x $\frac{3}{16}$	1 $\frac{1}{4}$	$\frac{3}{8}$ x $\frac{1}{8}$	3 $\frac{1}{16}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{1}{8}$	3 $\frac{3}{16}$	2 $\frac{1}{8}$	2 $\frac{1}{16}$	1	1 $\frac{1}{16}$	1 $\frac{1}{8}$	$\frac{1}{4}$	
4.00	2	$\frac{1}{2}$ x $\frac{1}{4}$	2 $\frac{1}{2}$	$\frac{1}{2}$ x $\frac{3}{16}$	4	1 $\frac{1}{8}$	1 $\frac{1}{16}$	1 $\frac{1}{16}$	$\frac{1}{8}$	3 $\frac{1}{16}$	3	3	1 $\frac{1}{4}$	$\frac{3}{4}$	1 $\frac{1}{8}$	$\frac{1}{4}$	
6.00	2 $\frac{1}{16}$	$\frac{5}{8}$ x $\frac{3}{16}$	2 $\frac{1}{2}$	$\frac{5}{8}$ x $\frac{1}{32}$	6	2 $\frac{1}{8}$	1 $\frac{1}{16}$	1 $\frac{1}{4}$	$\frac{1}{8}$	4 $\frac{1}{16}$	3 $\frac{3}{8}$	3 $\frac{3}{8}$	1 $\frac{1}{4}$	1	1 $\frac{1}{8}$	$\frac{1}{4}$	
7.00	3 $\frac{1}{4}$	$\frac{7}{8}$ x $\frac{1}{8}$	3 $\frac{1}{2}$	$\frac{7}{8}$ x $\frac{3}{16}$	7	3 $\frac{1}{8}$	2 $\frac{1}{16}$	2 $\frac{1}{4}$	$\frac{1}{8}$	5 $\frac{1}{2}$	5	4 $\frac{1}{8}$	2 $\frac{1}{2}$	1 $\frac{1}{8}$	2 $\frac{1}{4}$	$\frac{1}{4}$	
8.38	4	1 x $\frac{1}{2}$	4 $\frac{1}{4}$	1 x $\frac{1}{8}$	8 $\frac{1}{2}$	4 $\frac{1}{8}$	3 $\frac{3}{16}$	2 $\frac{9}{16}$	$\frac{1}{8}$	6 $\frac{1}{16}$	6	5 $\frac{1}{4}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	3	$\frac{3}{8}$	
9.44	4 $\frac{1}{2}$	1 $\frac{1}{2}$ x $\frac{3}{8}$	5	1 $\frac{1}{4}$ x $\frac{1}{16}$	9 $\frac{1}{16}$	5 $\frac{1}{8}$	3 $\frac{1}{16}$	3 $\frac{3}{8}$	$\frac{1}{8}$	7 $\frac{1}{16}$	7	6 $\frac{1}{16}$	3 $\frac{1}{8}$	1 $\frac{1}{2}$	3 $\frac{1}{2}$	$\frac{3}{8}$	
11.00	5 $\frac{1}{2}$	1 $\frac{1}{2}$ x $\frac{1}{2}$	5 $\frac{3}{4}$	1 $\frac{1}{4}$ x $\frac{3}{16}$	11	5 $\frac{1}{8}$	4 $\frac{1}{16}$	3 $\frac{1}{8}$	$\frac{1}{8}$	9 $\frac{1}{16}$	8	7 $\frac{1}{4}$	3 $\frac{1}{8}$	1 $\frac{1}{4}$	4	$\frac{3}{8}$	
12.50	6 $\frac{1}{2}$	1 $\frac{1}{2}$ x $\frac{3}{4}$	6 $\frac{1}{4}$	1 $\frac{1}{4}$ x $\frac{1}{2}$	12 $\frac{1}{2}$	6 $\frac{1}{4}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$	$\frac{1}{8}$	10 $\frac{1}{16}$	9 $\frac{1}{16}$	9 $\frac{1}{16}$	4 $\frac{1}{8}$	1 $\frac{1}{8}$	4 $\frac{1}{2}$	$\frac{1}{2}$	
13.62	6 $\frac{3}{4}$	1 $\frac{1}{2}$ x $\frac{3}{4}$	7 $\frac{1}{4}$	1 $\frac{1}{4}$ x $\frac{3}{8}$	13 $\frac{3}{16}$	7 $\frac{1}{4}$	5 $\frac{1}{16}$	4 $\frac{13}{16}$	$\frac{1}{8}$	11 $\frac{1}{16}$	10 $\frac{1}{16}$	10 $\frac{1}{16}$	4 $\frac{13}{16}$	2 $\frac{1}{16}$	5 $\frac{1}{8}$	$\frac{1}{2}$	
15.31	7 $\frac{1}{2}$	1 $\frac{1}{4}$ x $\frac{7}{8}$	8 $\frac{1}{4}$	1 $\frac{1}{4}$ x $\frac{1}{2}$	15 $\frac{5}{16}$	8 $\frac{1}{2}$	6 $\frac{1}{32}$	5 $\frac{1}{16}$	$\frac{3}{16}$	13 $\frac{3}{32}$	11 $\frac{1}{8}$	11 $\frac{1}{8}$	5 $\frac{1}{16}$	2 $\frac{1}{4}$	5 $\frac{1}{4}$	$\frac{1}{2}$	
16.56	8 $\frac{1}{2}$	2 x 1	9 $\frac{1}{4}$	2 x $\frac{3}{4}$	16 $\frac{1}{16}$	9	6 $\frac{1}{8}$	6 $\frac{1}{16}$	$\frac{3}{16}$	14 $\frac{1}{2}$	12 $\frac{1}{2}$	12 $\frac{1}{2}$	5 $\frac{1}{16}$	2 $\frac{1}{16}$	6 $\frac{1}{4}$	$\frac{1}{2}$	
18.00	9 $\frac{1}{2}$	2 x 1	9 $\frac{3}{4}$	2 x $\frac{3}{4}$	18	10	7 $\frac{1}{32}$	7 $\frac{1}{32}$	$\frac{3}{16}$	16 $\frac{1}{16}$	13 $\frac{1}{2}$	13 $\frac{1}{2}$	6 $\frac{1}{16}$	2 $\frac{1}{16}$	7	$\frac{1}{2}$	
20.75	10 $\frac{1}{2}$	2 $\frac{1}{2}$ x 1 $\frac{1}{4}$	11 $\frac{1}{4}$	2 $\frac{1}{2}$ x $\frac{1}{4}$	20 $\frac{1}{4}$	12	8 $\frac{1}{16}$	8 $\frac{1}{16}$	$\frac{3}{16}$	19 $\frac{1}{16}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	6 $\frac{1}{16}$	2 $\frac{1}{16}$	7 $\frac{1}{2}$	$\frac{1}{2}$	

Dimensions in inches.

7.00	4 ¹ / ₁₆	1 x 1/2	4 ¹ / ₄	1 x 3/8	7	5 ¹ / ₈	3 ¹ / ₃₂	5 ¹ / ₈	1/8	9 ² / ₃₂	6 ¹ / ₄	6 ¹ / ₈	3 ¹ / ₈	1 1/2	3 1/2	1 ¹ / ₈	3/8	3 ³ / ₁₆	8 ¹ / ₃₂	1/16
8.00	4 ³ / ₁₆	1 1/4 x 3/8	5 ¹ / ₁₆	1 1/4 x 7/16	8	5 ³ / ₈	4 ¹ / ₁₆	6 1/2	1/8	11 ¹ / ₁₆	7 ¹ / ₁₆	7 ¹ / ₈	3 ¹ / ₈	1 3/4	4	2 ¹ / ₁₆	3/8	4 1/2	9 ¹ / ₁₆	3/16
9.00	5 1/2	1 1/4 x 3/4	5 ³ / ₄	1 1/2 x 1/2	9	6 1/2	4 ³ / ₄	7 ¹ / ₈	1/8	13 ³ / ₁₆	8 ¹ / ₈	8 ¹ / ₈	4 ¹ / ₁₆	1 7/8	4 ¹ / ₈	3	1/2	4 ³ / ₄	10 ¹ / ₁₆	1/8
10.00	6 1/4	1 1/2 x 3/4	6 1/2	1 1/2 x 1/2	10	7 1/4	5 ¹ / ₁₆	8 ¹ / ₈	1/8	14 ¹ / ₈	9 ¹ / ₄	9 ³ / ₁₆	4 ¹ / ₁₆	2 ¹ / ₁₆	5 ¹ / ₈	3 ¹ / ₁₆	1/2	5 ¹ / ₈	12 ¹ / ₁₆	1/8
11.62	7	1 3/4 x 3/8	7 1/2	1 3/4 x 3/8	11 ¹ / ₈	8 1/2	6 ¹ / ₃₂	9 ¹ / ₈	1/16	16 ³ / ₃₂	10 ¹ / ₄	11 ¹ / ₈	5 ¹ / ₁₆	2 ¹ / ₄	5 ¹ / ₄	4 ¹ / ₁₆	1/2	5 ³ / ₄	13 ¹ / ₃₂	1/16
12.62	7 3/4	2 x 1	8 1/4	2 x 3/4	12 ¹ / ₈	9	6 ³ / ₈	10 ¹ / ₄	1/16	18 ¹ / ₁₆	11	12 ³ / ₈	5 ¹ / ₁₆	2 ¹ / ₁₆	6 ¹ / ₄	4 ¹ / ₁₆	1/2	6 ¹ / ₁₆	14 1/2	3/8
14.00	8 1/2	2 x 1	8 ³ / ₁₆	2 x 3/4	14	10	7 ¹ / ₃₂	11 ¹ / ₄	1/16	20 ¹ / ₃₂	12 ¹ / ₄	13 ¹ / ₈	6 ¹ / ₁₆	2 ¹ / ₁₆	7	4 ¹ / ₈	1/2	7 ¹ / ₈	16 ¹ / ₃₂	3/8
15.75	10	2 1/2 x 1 1/4	10 ¹ / ₄	2 1/2 x 1/4	15 ¹ / ₄	12	8 ¹ / ₁₆	13 1/2	1/8	24 ¹ / ₄	13 1/2	15 1/2	6 ¹ / ₁₆	2 ¹ / ₁₆	7 1/2	6 ¹ / ₁₆	1/2	8 1/2	19 ¹ / ₄	1 ¹ / ₁₆

NOTE: Adapter engagement length is variable from Std. C₁ to minimum length C₂.

Dimensions in inches.