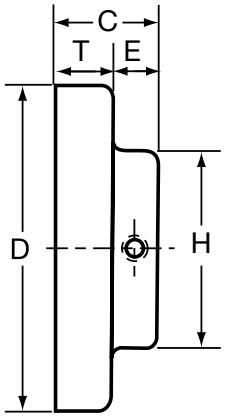
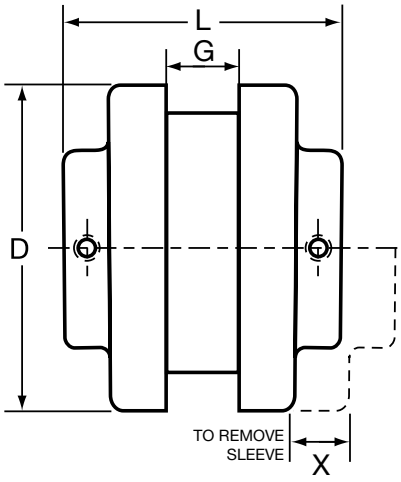
Type J Sure-Flex

BTS - Close Coupled Applications



Flanges

Type J flanges sizes 3, 4 and 5 are manufactured of sintered carbon steel. The powdered metal manufacturing process provides high dimensional accuracy and uniform material properties for high strength. Size 6 is made of high strength cast iron. All flanges are bored-to-size for a slip fit on standard shafts. The outside diameter of the flange is machined so the surface can be used to check alignment without a special tool. Type J flanges can be used with sleeves of any construction except the Hytrel. Each flange has a keyseat and two setscrews (1) over the keyway and the other at 90.



Couplings

Type J Sure-Flex Couplings are bored-to-size. Normally, they employ the one-piece JE sleeve, or the one-piece JES sleeve with saw cut to permit replacement where there is insufficient gap between shafts.

Spacing between internal flange hubs equals G. Spacing between shafts should be greater than 3.17 mm and less than L minus .85 times the sum of the two “C” dimensions.

To order complete couplings, specify coupling size with flange symbol (J) giving bore and keyseat. Refer to page 3 to order the required coupling.

Dimensions

Product No.	Dimensions (mm)								Wt. (kg.) ■	STOCK BORES* (Inches)										Max Bore (mm)	(Millimeters)									
	C	D	E	G	H	L	T	X		3/8	1/2	5/8	3/4	7/8	15/16	1	1-1/8	1-3/16	1-1/4	1-3/8		9	11	12	14	15	16	19	20	24	25
3J	20	52	10	10	38	50	10	16	0.14	X	X	X	X	X							7/8 (22)	...	X	X	X	X	X	X			
4J	22	63	11	16	41	60	11	16	0.18		X	X	X	X	X	X					1 (25)	...	...	...	X	X	X	X	X	X	X
5J	27	83	12	19	48	72	15	23	0.41		X	X	X	X	X	X	X				1-1/8 (29)	...	...	...	...	...	...	...	...	...	...
6J	33	102	14	22	64	89	19	28	0.54			X	X	X	X	X	X	X	X	X	1-3/8 (35)	...	...	...	...	...	...	...	...	...	...

*We do not recommend reboring the 3J and 4J Flanges. See page 11 for standard keyseat dimensions and page 8 for bore tolerances.

■ Approximate weight for each flange.