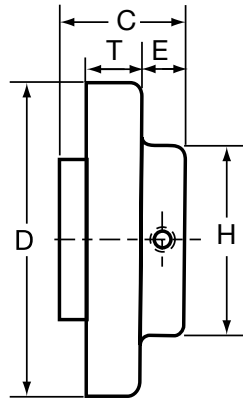


Type S Sure-Flex Plus®

BTS - Close Coupled Applications



Flanges

Type S flanges sizes 6 through 16 are manufactured of high strength cast iron then bored-to-size for slip fit on standard shafts. Size 5 is made of sintered carbon steel. Flanges are easy to install and remove, and are stocked in a wide range of bore sizes. All sleeve materials may be used with Type S flanges.

Bore Tolerances for Types J and S Flanges, SC Hubs

Bore (in.)	Tolerance (in.)
Up to and including 2"	+ .0005 to + .0015
Over 2"	+ .0005 to +.0020

These bores provide a slip fit.
Metric bore tolerance meets F7 clearance fit (ISO/R775:1969,mm)

Dimensions

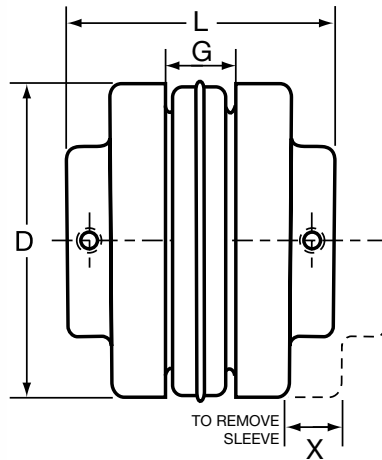
Coupling Size	Dimensions (mm)								Wt. (kg.) ■	Stock Bores (in.) ①																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
										1/2	5/8	3/4	13/16	7/8	15/16	1	1-1/16	1-1/8	1-3/16	1-1/4	1-5/16	1-3/8	1-7/16	1-1/2	1-9/16	1-5/8	1-11/16	1-3/4	1-7/8	1-15/16	2	2-1/16	2-1/8	2-3/16	2-1/4	2-3/8	2-7/16	2-1/2	2-5/8	2-3/4	2-7/8	3	3-3/8	3-7/16	3-5/8	3-7/8	3-15/16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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① See charts on page 11.

X in the chart denotes finished bore with keyseat and 2 setscrews; 0 is plain bore suitable for re boring.

■ Approximate weight for each flange.

BTS - Close Coupled Applications



Couplings

Spacing between shafts should be greater than 1/8 in. and less than L minus .85 times the sum of the two bore diameters. Spacing between internal flange hubs equals L - 2"C. To order couplings, refer to the part number examples on page 3.

Metric bore tolerance meets F7 clearance fit (ISO/R775:1969,mm)

Dimensions

Stock Bores (mm)																					Max Bore in. (mm)		Shallow Keyseat Dimensions ② (in.)											
																					① Standard Keyseat	② Shallow Keyseat	Bore	K.S.	Key	Bore	K.S.	Key	Bore	K.S.	Key			
14	15	16	19	20	24	25	28	30	32	35	38	42	45	48	50	52	55	60	65	70	80	90	1-3/16 (30)	1-1/4 (32)	1-1/4	1/4 X 1/16	1/4 X 3/16 X 1-3/8	...	...	...	...	...	...	
X	X	X	X	X	X	X	X	X	X	X													1-7/16 (37)	1-1/2 (38) ④	...	...	...	...	...	...	...	...	...	...
	X		X	X	X	X		X	X	X	X												...	1-3/4	1-1/2 & 1-5/8	3/8 X 1/8	3/8 x 5/16 X ⑤	1-3/4	3/8 X 1/16	3/8 X 1/4 X 1-1/4	...	...	...	
																							...	1-7/8	...	...	...	...	...	...	1-7/8	1/2 X 1/16	1/2 X 5/16 X 1-9/16	
			X		X	X	X	X	X	X	X	X											1-5/8 (41)	1-7/8 (48)	1-7/8	1/2 X 1/8	1/2 X 3/8 X 1-7/8	...	...	...	...	...	...	
				X		X		X	X	X	X	X	X	X									1-15/16 (49)	2-1/4 (57) ④	2-1/8	1/2 X 3/16	1/2 X 7/16 X 2-1/8	...	...	...	...	...	...	...
																							...	2-3/8	...	...	...	2-3/8	5/8 X 1/8	5/8 X 7/16 X 1-7/8	...	...	...	
				X		X		X	X	X	X	X	X										2-1/2 (64)	2-3/4 (70) ④	...	...	...	...	...	...	...	...	...	...
																							...	2-7/8	2-7/8	3/4 X 1/8	3/4 X 1/2 X 2-1/4	...	...	...	...	...	...	...
								X	X	X	X	X	X	X	X	X	X						2-3/4 (70)	3-1/8 (79) ④	2-7/8	3/4 X 1/4	3/4 X 5/8 X 2-3/4	...	...	...	...	...	...	...
																							...	3-3/8	...	...	...	3-3/8	7/8 X 3/16	7/8 X 5/8 X 2-5/8	...	...	...	
										X	X	X	X		X	X	X	X					3-3/8 (86)	3-7/16 (87) ④	3-7/16	7/8 X 3/16	7/8 X 5/8 X 3-7/16	...	...	...	...	...	...	...
																							...	3-7/8	3-7/8	1 X 1/4	1 X 3/4 X 3	...	...	...	...	...	...	...
														X		X	X	X	X	X			3-7/8 (98)	3-15/16 (100)	...	...	...	...	...	...	...	...	...	...
																							4-1/2 (114)	...	...	...	...	...	...	...	...	...	...	...
																							5 (127)	...	...	...	...	...	...	...	...	...	...	...
																							5-1/2 (140)	6 (152)	...	...	...	...	...	...	...	...	...	...

① See charts on page 11.

② Some large bore Type S flanges are supplied with shallow keyseats. In these cases, a rectangular key is furnished. The bores involved are listed above.

③ 1-5/8 for 1-1/2 bore, 1-5/16 for 1-5/8 bore.

④ Altered bores available only up to this diameter.