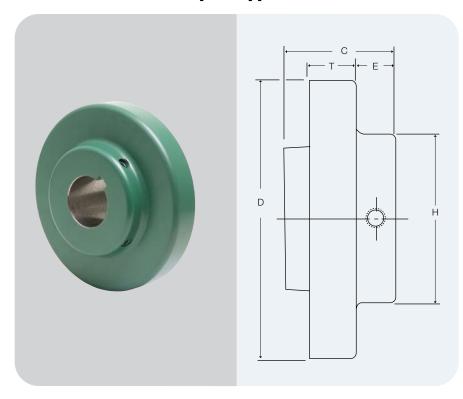
Type S Sure-Flex Plus® BTS

Selection For 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

These bores provide a slip fit.

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

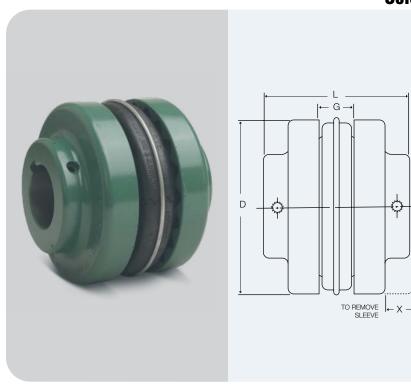
DIMENSIONS (in.)

				DIMEN														Í			S	TO	CK	воі	RES																			
			Wt.																																									
Size	С	D	E	G	н	L	т	x	(lbs.)	1/2	2/8	3/4	13/16	2/8	15/16	1	91/1-1	1-1/8	1-3/10	1-1/4	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	0 4/46	9-1/10	2-1/0	2-4/4	9-3/8	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	3-15/16
58	1-11/32	3.250	29/64	23/32	1-7/8	2-13/16	19/32	31/32	1.1	0	χ	χ	χ	χ	χ	χ	Х	X)	χ)	(
	1-5/8	4.000	17/32	7/8	2-1/2	3-1/2	25/32	1-3/32	1.9		0	χ		χ	χ	Х	χ	X (χ)	())	X	χ																					
68	1-5/16	4.000	17/32	7/8	2-1/2	3-1/2	25/32	1-3/32	1.8																χ		χ																	
	1-9/16	4.000	25/32	7/8	2-13/16	4	25/32	1-3/32	1.8																			Х																
7\$	1-27/32	4.625	11/16	1	2-13/16	3-15/16	25/32	1-5/16	2.6		0	χ		χ	χ	Х	Х	X 2	χ)	())	X	χ		χ			χ															T	Т
88	2-3/32	5.450	3/4	1-1/8	3-1/4	4-7/16	29/32	1-1/2	4.4			0		χ	χ	Х	Х	X)	X)	()	()	(X	χ	χ	χ	χ	χ	Х	χ)	()	()	(Π
00	1-15/16	5.450	1-1/32	1-1/8	3-1/4	5	29/32	1-1/2	3.7																									Х										
98	2-13/32	6.350	25/32	1-7/16	3-7/8	5-1/16	1-1/32	1-3/4	6.8					0	χ	Х	Х	X)	(X	(X	χ	χ	χ	χ	χ	χ	χ)	()	()	(X	()	X		χ								
	2-9/32	6.350	1-1/4	1-7/16	4-1/8	6	1-1/32	1-3/4	6.2																														χ					
108	2-23/32	7.500	13/16	1-5/8	4-3/8	5-11/16	1-7/32	2	10.5									0)	(X	X	Х	χ	Х	χ	χ	Х	χ)	()	()	(X	(X	X	χ	χ	χ	χ	χ	χ				
100	2-11/16	7.500	1-15/32	1-5/8	4-3/4	7	1-7/32	2	9.8																																χ			
11\$	3-7/16	8.625	1-1/8	1-7/8	5-1/4	7-1/8	1-1/2	2-3/8	16.6										0	0)	(X	Х		χ		χ	Х)	()	()		X	(X			χ	χ	χ	χ	χ	Х		
	3-1/16	8.625	1-9/16	1-7/8	5-5/8	8	1-1/2	2-3/8	16.4																																		Х	
12S	4	10.000	1-9/32	2-5/16	5-3/4	8-1/4	1-11/16	2-11/16	26.6								I	I	I		I		0		χ		χ	χ	floor)	()			Х			χ	χ	χ		χ	Х	Х	
138	4-3/8	11.750	1-5/16	2-11/16	6-3/4	9-1/4	1-31/32	3-1/16	45.2))	(χ					χ		χ	χ		Х
14S	4-1/2	13.875	1-1/16	3-1/4	7-1/2	9-7/8	2-1/4	3-1/2	69.1										Ī										(χ				Х	T
16S	6	18.875	2	4-3/4	8	14-1/4	2-3/4	4-1/4	125.3										T												T							П		0	T		T	Γ

- X in the chart denotes finished bore with keyway and 2 setscrews; O is plain bore suitable for reboring.
- Approximate weight for each flange.

Type S Sure-Flex Plus® BTS

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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 F1-3.

DIMENSIONS (in.)

									S	TOC	KΒ	ORI	S										Max	Bore	SHALLOW KEYSEAT DIMENSIONS ②									
																1		D	И.О.	V	D	к о	V	D	и о									
14	15	16	19	20	24	25	28	30	32	35	38	42	45	48	50	52	55	60	65	70	80	90	Standard Keyseat	Shallow Keyseat	Bore	K.S.	Key	Bore	K.S.	Key	Bore	K.S.	Key	
Χ	χ	Х	Х	Х	Χ	Χ	Х																1-3/16	1-1/4	1-1/4	1/4 X 1/16	1/4 X 3/16 X 1-3/8	-	-	-	-	-		
-	χ		Χ	χ	χ	χ	χ	χ	χ	Χ													1-7/16	1-1/2 ④	-	-	-	-	-	-	-	-		
											χ												-	1-3/4	1-1/2 & 1-5/8	3/8 X 1/8	3/8 x 5/16 X ③	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	
-			Χ		χ	χ	χ	χ	χ	Χ	Χ	Χ											1-5/8	1-7/8	1-7/8	1/2 X 1/8	1/2 X 3/8 X 1-7/8	-		-	-	-	-	
					χ		Χ	Χ	Χ		Χ	Χ	χ	Χ									1-15/16	2-1/4 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	-		-	
					χ			χ	χ		Χ	Χ	χ	χ									2-1/2	2-3/4 ④	-	-	-	-	-	-	-	-	-	
																							-	2-7/8	2-7/8	3-/4 X 1/8	3/4 X 1/2 X 2-1/4	-	-	-	-	-	-	
								χ	χ	χ	Χ	Χ	χ	χ	χ	χ	χ	χ					2-3/4	3-1/8 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	-	-	-	
											Χ	Х	Х	Χ		Χ		Χ		χ	Х		3-3/8	3-7/16 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	-	-	-	-	-	-	
															χ			χ	χ	χ	Х	χ	3-7/8	3-15/16	-	-	-	-	-	-	-		-	
																							4-1/2	-	-	-	-	-	-	-	-	-	-	
																							5	-	-	-	-	-	-	-	-	-	-	
																							5-1/2	6	-	-	-	-	-	-	-	-	-	

 $[\]ensuremath{\text{@}}$ See charts on page F1 -13

[®] 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.