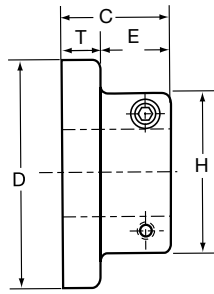


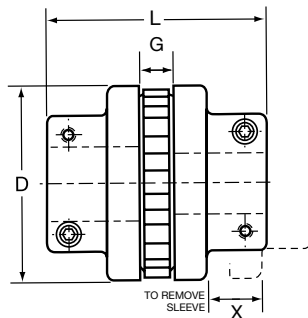
Type C Sure-Flex Plus®

Clamp Hub Spacer and Design



Flanges

Sure-Flex Plus® Type C Clamp Hub flanges employ integral locking collars and screws to assure a clamp fit on the shaft. One setscrew is furnished over the key. They are designed primarily for applications where flanges must be removed from one or both shafts without moving either the driver or driven units. A typical application is a screw compressor which uses a replaceable face seal around the input shaft.



Couplings

Type C Clamp Hub Couplings normally use Hytrel sleeves. However, any of the sleeves shown on page 5 can be used. Type C couplings may often be used where spacer couplings are required.

Spacing between internal flange hubs equals G. To order complete couplings, specify coupling size with flange symbol (C), giving bore required. Refer to page 3 to order the required coupling.

Dimensions (mm)

Product Number	Stock Bores	Min Bore		Maximum Bore				Distance Between Shafts		Dimensions (mm)								Approx. Weight (kg.)*
		in.	mm	Standard KS		Shallow KS				C	D	E	G	H	L	X		
				in.	mm	in.	mm	Min	Max									
6C	1-1/8, 1-7/8, 40mm	7/8	22	1-5/8	41	1-7/8	48	2 (51mm)	2-3/4 (70mm)	49	102	29	22	76	121	25	1.6	
7C	1-3/8, 1-7/8, 35mm, 40mm	1-1/8	29	1-7/8	48	...	...	2-5/16 (59mm)	3-7/16 (87mm)	71	117	36	27	83	138	30	2.0
8C	1-3/8, 1-5/8, 1-3/4, 1-7/8																	
	2-1/8, 2-1/4, 2-3/8, 40mm	1-3/8	35	2-1/4	57	2-3/8	60	2-9/16 (65mm)	4 (102mm)	64	138	40	29	98	156	35	3.0	
9C	1-5/8, 1-3/4, 1-7/8, 2,																	
	2-1/8, 2-1/4, 2-3/8, 2-1/2	1-5/8	41	2-1/2	64	2-5/8	68	3-1/16 (78mm)	4-5/8 (117mm)	76	161	50	37	108	189	40	4.5	
10C	1-5/8, 1-7/8, 2-1/4, 2-3/8, 2-1/2	1-5/8	41	2-7/8	73	...	...	3-9/16 (90mm)	5-1/4 (133mm)	89	191	58	43	127	221	46	7.5
11C	2-1/8, 2-3/8, 2-1/2	1-7/8	48	3-3/8	86	...	...	4-1/8 (105mm)	5-7/8 (149mm)	102	219	63	48	137	251	54	12
12C	2-1/8	1-7/8	48	3-3/8	86	...	...	4-7/8 (124mm)	6-1/2 (165mm)	111	254	68	60	152	283	60	17

For Standard Keyseat dimensions, see chart page 11. *Weight of one flange.

Bore Tolerances for Type C Flanges

These bores provide a slip fit.

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

Shallow Keyseat Dimensions

Some large bore Type C flanges are supplied with shallow keyseats. In these cases, a rectangular key is furnished. The flanges and bores involved are as follows:

Size	Bore Range	KS	Key Furnished
6C	1-11/16 to 1-7/8	1/2 x 1/16	1/2 x 5/16 x 1-15/16
8C	2-5/16 to 2-3/8	5/8 x 1/16	5/8 x 3/8 x 2-1/2
9C	2-7/16 to 2-11/16	5/8 x 3/16	5/8 x 1/2 x 3

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