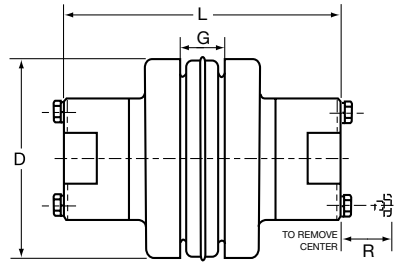


Type SC Spacer Couplings

BTS - Conventional Spacer Design



For other distances between shaft ends not shown here, please see page F1-16 of P-1690-TBW or use the Coupling Selection Program at www.TBWoods.com/Select

For dimensions of separate Type SC Spacer components, refer to page 13.

Flanges (mm)

Coupling Size	Required Distance Between Shafts	Use Flange Number	Use Hub Number	Maximum Bore		Dimensions (mm)				Weight (kg)
				in.	mm	D	L ☒	G	R	
☒ 89	4JSC35	...	1-1/8	29	62	143	16	...	1.2	
5SC	89	5SC35	5SCH	1-1/8	29	83	143	19	15	2.0
	89	6SC35	6SCH-6SCHS	1-3/8	35	102	149	22	19	3.3
6SC	112	6SC44	6SCH-6SCHS	1-3/8	35	102	171	22	19	3.7
	127	6SC50	6SCH-6SCHS	1-3/8	35	102	187	22	19	4.0
7SC	89	7SC35	7SCH-7SCHS	1-5/8	42	117	162	25	16	4.5
	112	7SC44	7SCH-7SCHS	1-5/8	42	117	184	25	16	4.9
8SC	127	7SC50	7SCH-7SCHS	1-5/8	42	117	200	25	16	5.2
	89	8SC35	8SCH-8SCHS	1-7/8	48	138	175	29	21	6.9
	89	8SC35-10	10SCH-10SCHS	2-3/8	60	138	206	29	21	11
	112	8SC44	8SCH-8SCHS	1-7/8	48	138	197	29	21	7.4
9SC	127	8SC50	8SCH-8SCHS	1-7/8	48	138	213	29	30	7.9
	127	8SC50-10	10SCH-10SCHS	2-3/8	60	138	244	29	30	12
	89	9SC35	9SCH-9SCHS	2-1/8	54	161	191	37	27	8.4
	112	9SC44	9SCH-9SCHS	2-1/8	54	161	210	37	27	10
10SC	127	9SC50	9SCH-9SCHS	2-1/8	54	161	225	37	27	11
	127	9SC50-11	11SCH-11SCHS	2-7/8	73	161	264	37	30	18
	178	9SC70-11	11SCH-11SCHS	2-7/8	73	161	314	37	30	22
	197	9SC78-11	11SCH-11SCHS	2-7/8	73	161	333	37	30	23
	112	10SC48	10SCH-10SCHS	2-3/8	60	191	238	41	30	17
11SC	127	10SC50	10SCH-10SCHS	2-3/8	60	191	244	41	48	17
	178	10SC70-13	13SCH-13SCHS	3-3/8	86	191	346	41	48	33
	197	10SC78-13	13SCH-13SCHS	3-3/8	86	191	365	41	48	34
	254	10SC100-13	13SCH-13SCHS	3-3/8	86	191	422	41	48	40
12SC	112	11SC48	11SCH-11SCHS	2-7/8	73	219	262	48	30	25
	127	11SC50	11SCH-11SCHS	2-7/8	73	219	264	18	30	25
	178	11SC70-14	14SCH	3-7/8	98	219	371	18	51	39
	197	11SC78-14	14SCH	3-7/8	98	219	391	18	51	41
13SC	254	11SC100-14	14SCH	3-7/8	98	219	448	18	51	47
	178	12SC70	12SCH-12SCHS	2-7/8	73	254	327	59	38	40
	178	12SC70-14	14SCH	3-7/8	98	254	371	59	51	45
	197	12SC78	12SCH-12SCHS	2-7/8	73	254	346	59	38	42
14SC	197	12SC78-14	14SCH	3-7/8	98	254	391	59	51	47
	254	12SC100-14	14SCH	3-7/8	98	254	448	59	51	52
13SC	197	13SC78	13SCH-13SCHS	3-3/8	86	248	365	68	48	59
14SC	197	14SC78	14SCH	3-7/8	98	352	391	83	51	82

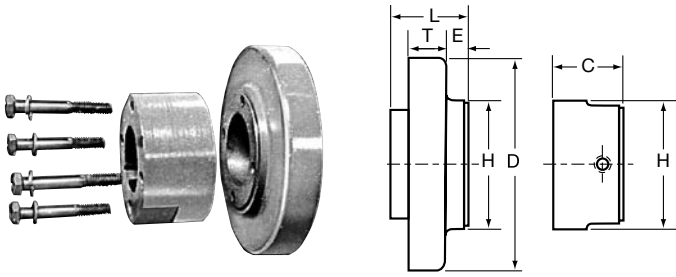
■ Approximate weight for each flange.

☒ 4JSC35 x 1-1/8 has shallow keyseat. ☒ "L" dimension and weight will change if one or two short (HS) hubs used.

Note: Refer to pages 13-14 to order — specify components separately

Type SC Couplings and Flanges and Hubs

Type SC Flanges and Hubs



Tables on pages 13-14 provide dimensional information for flanges and hubs used for Spacer Couplings. For assembled dimensions, see table on page 12. Any of the sleeves shown on page 5 may be used.

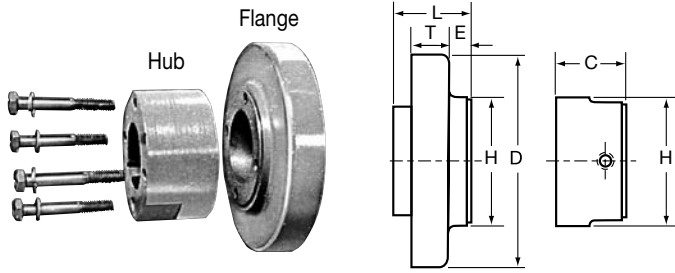
Flanges (mm)

Coupling Size	Flange Number	For Distance Between Shafts*	For Hub	Dimensions (mm)					Weight (kg)
				D	E	H	L	T	
4JSC	4JSC35	79		62	52	51	64	11	.59
5SC	5SC35	89	5SCH	83	20	51	43	15	.59
	6SC35	89	6SCH-6SCHS	102	15	64	41	18	.91
6SC	6SC44	112	6SCH-6SCHS	102	26	64	52	18	1.9
	6SC50	127	6SCH-6SCHS	102	34	64	60	18	1.2
7SC	7SC35	89	7SCH-7SCHS	117	12	71	41	20	1.1
	7SC44	112	7SCH-7SCHS	117	23	71	52	20	1.4
	7SC50	127	7SCH-7SCHS	117	31	71	60	20	1.5
8SC	8SC35	89	8SCH-8SCHS	138	7	83	41	23	1.7
	8SC35-10	89	10SCH-10SCHS	138	7	111	41	23	1.6
	8SC44	112	8SCH-8SCHS	138	18	83	52	23	2.0
	8SC50	127	8SCH-8SCHS	138	26	83	60	23	2.2
9SC	8SC50-10	127	10SCH-10SCHS	138	26	111	60	23	2.5
	9SC35	89	9SCH-9SCHS	161	2	92	43	26	1.9
	9SC44	112	9SCH-9SCHS	161	11	92	52	26	2.7
	9SC50	127	9SCH-9SCHS	161	19	92	60	26	2.9
	9SC50-11	127	11SCH-11SCHS	161	19	133	60	26	3.2
10SC	9SC70-11	178	11SCH-11SCHS	161	44	133	86	26	4.9
	9SC78-11	197	11SCH-11SCHS	161	54	133	95	26	5.6
	10SC48	112	10SCH-10SCHS	191	9	111	57	31	4.5
	10SC50	127	10SCH-10SCHS	191	12	111	60	31	4.6
	10SC70-13	178	13SCH-13SCHS	191	37	156	86	31	6.6
11SC	10SC78-13	197	13SCH-13SCHS	191	47	156	95	31	7.5
	10SC100-13	254	13SCH-13SCHS	191	50	156	124	31	10
	11SC48	112	11SCH-11SCHS	219	1	133	38	38	5.7
	11SC50	127	11SCH-11SCHS	219	2	133	40	38	5.7
	11SC70-14	178	14SCH	219	27	165	65	38	7.4
12SC	11SC78-14	197	14SCH	219	37	165	75	38	8.4
	11SC100-14	254	14SCH	219	65	165	103	38	11
	12SC70	178	12SCH-12SCHS	254	17	146	63	43	11
	12SC70-14	178	14SCH	254	17	165	63	43	9.7
	12SC78	197	12SCH-12SCHS	254	26	146	72	43	11
13SC	12SC78-14	197	14SCH	254	26	165	72	43	11
	12SC100-14	254	14SCH	254	55	165	101	43	13
14SC	13SC78	197	13SCH-13SCHS	298	14	156	83	50	17
	14SC78	197	14SCH	352	1	165	69	57	25

*Flanges can be mixed to form different Between-Shaft Dimensions. See chart page 15. ■ Approximate weight for each flange.
 ▲ If using 10HS hub, 7/16-14NC x 2-1/4 long capscrew needed (not furnished).

Type SC Couplings Flanges and Hubs

Type SC Flanges and Hubs



Tables on pages 13-14 provide dimensional information for flanges and hubs used for Spacer Couplings. For assembled dimensions, see table on page 12. Any of the sleeves shown on page 5 may be used.

Hubs

Coupling Size	Hub Number	Maximum Bore		Stock Bores* (in)		Dimensions (mm)			Weight (kg)
		in	mm	Plain Bore	Bore with Standard Keyway & SetScrew	C	H	Cap Screws Furnished (in.)	
4JSC	†	1-1/8	29	...	5/8 - 7/8 - 1 - 1-1/8*	27	51
5SC	5SCH	1-1/8	29	1/2	5/8 - 3/4 - 7/8 - 1 - 1-1/8	28	51	4-10 x 1-1/2	.36
6SC	6SCH	1-3/8	35	5/8	3/4 - 7/8 - 1 - 1-1/8 - 1-1/4 - 1-3/8	31	64	4-1/4 x 1-3/4	.64
	6SCHS	7/8	22	...	7/8	25	64	4-1/4 x 1-1/2	.50
7SC	7SCH	1-5/8	41	5/8	7/8 - 1 - 1-1/8 - 1-3/8 - 1-1/2 - 1-5/8	37	71	4-1/4 x 1-7/8	.91
	7SCHS	7/8	22	...	7/8	28	71	4-1/4 x 1-1/2	.68
8SC	8SCH	1-7/8	48	3/4	7/8 - 1 - 1-1/8 - 1-3/8	44	83	4-5/16 x 2-1/4	1.5
	8SCHS	7/8	22	...	1-1/2 - 1-5/8 - 1-3/4 - 1-7/8	31	83	4-5/16 x 1-3/4	.91
9SC	9SCH	2-1/8	54	7/8	1 - 1-1/8 - 1-3/8 - 1-1/2	50	92	4-3/8 x 2-3/4	1.9
	9SCHS	1-1/2	38	...	1-5/8 - 1-3/4 - 1-7/8 - 2-1/8	39	92	4-3/8 x 2-1/4	1.7
10SC	10SCH	2-3/8	60	1-1/8	1-5/8 - 1-7/8 - 2-1/8 - 2-3/8	60	111	4-7/16 x 3-1/4	3.4
	10SCHS	1-5/8	41	...	1-1/8	42	111	4-7/16 x 2-1/2	2.5
11SC	11SCH	2-7/8	73	1-1/8	1-7/8 - 2-1/8 - 2-3/8 - 2-7/8	69	133	4-1/2 x 3-1/2	5.5
	11SCHS	1-7/8	48	...	1-1/8 - 1-5/8	48	133	4-1/2 x 2-3/4	4.2
12SC	12SCH	2-7/8	73	1-3/8	2-1/8 - 2-3/8 - 2-7/8	75	146	4-5/8 x 4	7.5
	12SCHS	2-1/2	64	...	2-3/8	64	146	4-5/8 x 3-1/2	6.4
13SC	13SCH	3-3/8	86	1-3/8	2-3/8 - 2-7/8 - 3-3/8	85	156	4-5/8 x 4-1/2	9.0
	13SCHS	2-1/2	64	...	2-1/8 - 2-3/8	63	156	4-5/8 x 3-1/2	7.3
14SC	142SCH	3-7/8	98	1-5/8	2-3/8 - 2-7/8 - 3-3/8 - 3-7/8	98	165	4-5/8 x 5	11

† For 4JSC the hub is an integral part of the flange. 4JSC x 1-1/8 has 1/4 x 1/16 shallow keyseat. ■ Approximate weight for each hub.

* See page 8 for bore tolerances, page 11 for standard keyseat dimensions.

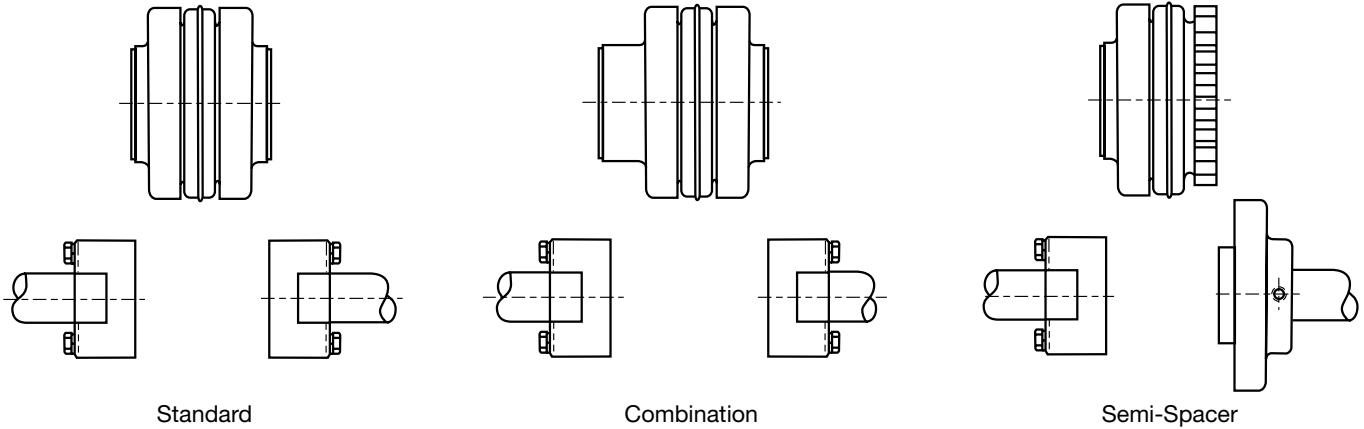
Type SC Spacer Couplings

Between Shaft Spacing

Spacer couplings are available for most popular between-shaft dimensions. Other spacings can be achieved by mixing flanges.

The “Standard” column provides spacings using identical flanges; the “Combination” column mixes flanges; the column headed “Semi-Spacer” uses one flange that is not made for spacer coupling applications and thus does not have a detachable hub.

To select couplings for various DBSEs, please see our Coupling Selector Program at www.TBWoods.com/Select



Standard (mm)	
Spacing	Uses Flanges*
80	2-()SC35
111	2-()SC44
127	2-()SC50
178	2-()SC70
197	2-()SC78
254	2-()SC100

Combination (mm)	
Spacing	Uses Flanges*
100	SC35 & SC44
108	SC35 & SC50
119	SC44 & SC50
133	SC35 & SC70
143	SC35 & SC78
144	SC44 & SC70
152	SC50 & SC70
154	SC44 & SC78
162	SC50 & SC78
171	SC35 & SC100
183	SC44 & SC100
187	SC70 & SC78
191	SC50 & SC100
216	SC70 & SC100
225	SC78 & SC100

Semi-Spacer (mm)	
Spacing	Uses Flanges*
48	S & SC35
58	S & SC44
67	S & SC50
92	S & SC70
102	S & SC78
130	S & SC100

* Check individual coupling size for flange availability.
Note: Other Combinations available — consult factory.