

Stainless Steel Taper Bushes

Grade 304 Stainless



Taper bushes provide a low cost, simple, quick method of securing sprocket, pulleys and couplings to a wide range of standard metric and imperial dimensioned shafts of general commercial tolerances and finish.

The taper surfaces on the bush and mating hub are driven together by high tensile screws, causing the split bush to be firmly contracted onto the shaft. The strong clamping force which can be achieved enables transmission of high torque without the problems of fretting associated with simple keyseated drives.

The design ensures quick, easy installation of sprockets and pulleys onto shafts with simple positioning for alignment. Positive jacking-off of the bush during removal ensures quick disassembly without normal problems of seizure between shaft and pulley. The standard bushes shown opposite are suitable for taper bore pulleys.



Bush Dimensions

Bush No.	Approx. Weight kg	Bush Dimensions			Metric Bore Bushes						Imperial Bore Sizes																
		Length mm	o.d. large end of taper mm	Grub Screws			Bore sizes available mm			Keyway mm		Bore sizes available inches		Keyway Inches													
				No.	Screw Size	Key Size mm				Width	Depth at Centre			Width	Depth at Side												
1008	0.11	22.2	35	2	1/4" x 1/2" B.S.W.	3	9	11	10	12	3	1.4	1.8	2.3	2.8	1.3**	3/8	1/2	3/4	1	1/8	3/16	1/4	3/8	1/2	5/16*	
1108	0.12	22.2	38	2	1/4" x 1/2" B.S.W.	3	9	11	10	12	3	1.4	1.8	2.3	2.8	3.3	1.3**	3/8	1/2	3/4	1	1/8	3/16	1/4	3/8	1/2	5/16*
1210	0.23	25.4	48	2	3/8" x 5/8" B.S.W.	5	14	11	16	12	4	1.8	2.3	2.8	3.3	3.3	1.3**	3/8	1/2	3/4	1	1/8	3/16	1/4	3/8	1/2	5/16*
1610	0.35	25.4	57	2	3/8" x 5/8" B.S.W.	5	14	16	16	12	5	2.3	2.8	3.3	3.3	1.3**	3/8	1/2	3/4	1	1/8	3/16	1/4	3/8	1/2	5/16*	
1615	0.45	38.1					24	25	28	30	32	35	38	40	42	42	42	42	42	42	42	42	42	42	42	42	42
2012	0.68	31.8	70	2	7/16" x 1/2" B.S.W.	6	14	15	16	22	5	2.3	2.8	3.3	3.3	1.3**	7/16	1/2	3/4	1	3/16	1/4	3/8	1/2	5/16*		
2517	1.5	44.5	86	2	1/2" x 1" B.S.W.	6	18	19	20	22	6	2.8	3.3	3.3	3.3	1.3**	1/2	1	1 1/4	1 1/2	1 1/2	2	2	2	2	2	2
3020	2.7	50.8	108	2	5/8" x 1 1/4" B.S.W.	8	24	25	28	30	8	3.3	3.3	3.3	3.3	1.3**	1 1/2	1 1/2	1 1/2	2	2	2	2	2	2	2	2
							45	48	50	55	14	3.8	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
							60	65†	70	75	16	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4

Larger bush sizes available to special order.

All Cross + Morse Stainless Steel Bushes are supplied complete with stainless steel locking screws.

**Shallow Key not to B.S. 4235 Part 1.