

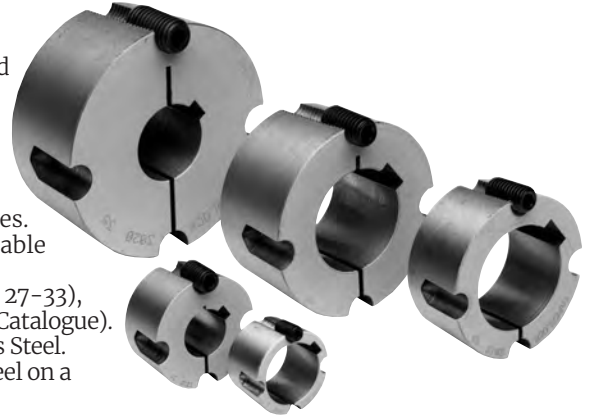
Taper Bushes

Taper Bushes provide a low cost, quick, simple method of securing Sprockets, Pulleys, and Couplings to a wide range of standard metric and imperial dimensioned shafts of commercial tolerance and finish, with simple alignment and axial locking.

Tapered surfaces on the bush and mating hub are driven together by high tensile bolts, causing the split bush to firmly contract onto the shaft. The strong clamping force achieved enables transmission of high torques without the fretting associated with most simple keyseated drives. Positive jacking-off of the bush, by repositioning the clamping bolts, enable quick disassembly without problems of seizure between hub and shaft.

The stock standard range of bushes are suitable for Taper Bore Sprockets (pp 27-33), Taper Bored Hubs (p 68), and taper bored Timing Pulleys (refer Timing Belt Catalogue). Stock Standard Bushes are available in high grade Cast Iron and 304 Stainless Steel.

Bushes can be supplied to order in medium carbon Steel and 316 Stainless Steel on a short delivery time.



Cast Iron Taper Bushes

Bush No.	Approx Weight kg	Bush Dimensions mm					Metric Bore Bushes				Imperial Bore Bushes						
		Length	Diameter large end taper bore	Grub Screws			Bore Sizes Available mm		Keyway mm		Bore Sizes Available inches	Keyway Inches					
				No.	Screw Size	Key Size	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	3/8	1/2	1/8	1/16	3/32
							14	15	16	22	4	1.8	7/16	3/4	3/16	1/8	3/32
							18	19	20	25	5	2.3	1	1/4	1/4	1/8	1/16*
							24	20	25	8	1.3**						
1108	0.12	22.2	38	2	1/4" x 1/2" B.S.W.	3	9	11	10	12	3	1.4	3/8	1/2	1/8	1/16	3/32
							14	15	16	22	4	1.8	7/16	3/4	3/16	1/8	3/32
							18	19	20	25	5	2.3	1	1/4	1/4	1/8	1/16*
							24	20	25	8	3.3						
1210	0.23	25.4	48	2	3/8" x 3/8" B.S.W.	5	14	11	16	12	4	1.8	3/8	1/2	1/8	1/16	3/32
							18	15	16	22	5	2.3	7/16	3/4	3/16	1/8	3/32
							24	19	20	30	6	2.8	1	1/4	1/4	1/8	1/16
							25	28	30	8	3.3	1 1/4	1 1/4	5/16	1/8	1/8	
1215	0.35	38.1	48	2	3/8" x 3/8" B.S.W.	5	14	11	16	12	4	1.8	3/8	1/2	1/8	1/16	3/32
							18	15	16	22	5	2.3	7/16	3/4	3/16	1/8	3/32
							24	19	20	30	6	2.8	1	1/4	1/4	1/8	1/16
							25	28	30	8	3.3	1 1/4	1 1/4	5/16	1/8	1/8	
1610	0.35	25.4	57	2	3/8" x 3/8" B.S.W.	5	14	12	16	22	4	1.8	3/8	1/2	1/8	1/16	3/32
							18	15	16	22	5	2.3	7/16	3/4	3/16	1/8	3/32
							24	19	20	30	6	2.8	1	1/4	1/4	1/8	1/16
							25	28	30	8	3.3	1 1/4	1 1/4	5/16	1/8	1/8	
1615	0.45	38.1	57	2	3/8" x 3/8" B.S.W.	5	32	35	38	42	10	3.3	1 1/2	1 1/2	3/8	3/8	1/8
							40	40	42	12	3.3	1 1/2	1 1/2	5/16	1/8	1/8	
							(1615 only)	42	42	12	3.3	1 1/2	1 1/2	5/16	1/8	1/8	
							(1615 only)	42	42	12	1.3**						
2012	0.68	31.8	70	2	7/16" x 7/8" B.S.W.	6	14	15	16	22	5	2.3	3/4	1	1/4	3/16	1/8
							18	19	20	30	6	2.8	7/16	1	1/4	3/16	1/8
							24	25	28	38	8	3.3	1 1/8	1 1/4	5/16	1/8	1/8
							32	35	38	42	10	3.3	1 1/2	1 1/2	3/8	1/8	1/8
2517	1.5	44.5	86	2	1/2" x 1" B.S.W.	6	18	16	20	22	5	2.3	3/4	1	1/4	3/16	1/8
							24	19	20	30	6	2.8	7/16	1	1/4	3/16	1/8
							32	25	28	38	8	3.3	1 1/8	1 1/4	5/16	1/8	1/8
							35	38	42	42	10	3.3	1 1/2	1 1/2	3/8	1/8	1/8
2525	1.9	63.5	86	2	1/2" x 1" B.S.W.	6	40	40	42	50	12	3.3	1 3/4	1 3/4	3/8	3/8	1/8
							45	48	50	14	3.8	1 7/8	2	1/2	5/8	3/8	1/8
							55	55	60	16	4.3	2 1/4	2 1/4	5/8	5/8	3/8	1/8
							60	65†	65†	18	4.4	2 1/2	2 1/2	3/8	3/8	3/16*	1/8
3020	2.7	50.8	108	2	5/8" x 1 1/4" B.S.W.	8	32	25	28	30	8	3.3	1 1/8	1 1/4	3/8	5/16	1/8
							35	35	38	42	10	3.3	1 1/8	1 1/2	3/8	5/16	1/8
							40	40	42	50	12	3.3	1 1/4	1 1/2	3/8	5/16	1/8
							45	48	50	14	3.8	1 1/2	1 1/2	3/8	5/16	1/8	
3030	3.6	76.2	108	2	5/8" x 1 1/4" B.S.W.	8	55	55	65	75	16	4.3	2 1/4	2 1/2	1/2	3/8	3/8
							60	65	65	18	4.4	2 1/2	2 1/2	3/4	3/8	3/8	
							70	75	75	20	4.9	3	3	3/4	3/8	3/8	
							80	85	85	22	5.4	3 1/4	3 1/4	3/4	3/8	3/8	
3525	4.0	63.5	127	3	1 1/2" x 1 1/2" B.S.W.	10	32	35	38	42	10	3.3	1 1/2	1 1/2	3/8	3/8	1/8
							40	40	42	50	12	3.3	1 3/4	1 1/2	3/8	3/8	
							45	48	50	14	3.8	2	2	1/2	3/8	3/8	
							55	65	75	16	4.3	2 1/4	2 1/2	3/8	3/8	3/8	
3535	5.0	89.1	127	3	1 1/2" x 1 1/2" B.S.W.	10	60	70	75	80	18	4.4	2 1/2	2 1/2	3/8	3/8	1/4
							70	75	75	20	4.9	3	3	3/8	3/8	1/4	
							80	85	85	22	5.4	3 1/4	3 1/4	3/8	3/8	1/4	
							90	90	95	25	5.4	3 1/2	3 1/2	3/8	3/8	1/4*	
4030	6.5	76.2	146	3	3/4" x 1 1/4" B.S.W.	12	40	45	48	50	12	3.3	1 1/2	1 1/2	3/8	3/8	1/8
							45	48	50	14	3.8	1 3/4	1 1/2	3/8	3/8		
							55	65	75	16	4.3	2 1/4	2 1/2	1/2	3/8	3/8	
							60	70	75	18	4.4	2 3/4	3	3/4	3/8	3/8	
4040	7.7	101.6	146	3	3/4" x 1 1/4" B.S.W.	12	80	70	85	95	20	4.9	3 1/4	3 1/2	3/4	3/8	1/4
							80	70	85	100	22	5.4	3 3/4	3 1/2	3/4	3/8	
							90	90	95	25	5.4	4	4	1	3/8	3/8	
							100	90	95	28	6.4					1/4*	
4535	8.0	89.1	162	3	3/4" x 2" B.S.W.	14	55	60	65	75	16	4.3	1 3/4	1 3/4	3/8	3/8	1/8
							60	70	75	18	4.4	2	2	1/2	3/8	3/8	
							70	75	75	20	4.9	2 1/2	2 1/2	3/8	3/8	3/8	
							80	85	85	22	5.4	3	3	3/4	3/8	3/8	
4545	10.0	114.3	162	3	3/4" x 2" B.S.W.	14	80	90	95	100	22	5.4	3 1/4	3 1/4	3/8	3/8	1/8
							80	90	95	25	5.4	4	4	1	3/8	3/8	
							90	95	95	25	5.4						
							100	105	110	28	6.4						

*Shallow keyseat not conforming to B.S. 46 Part 1 **Shallow keyseat not conforming to B.S. 4235 Part 1 †Bore size 65mm has keyway 2.3mm deep on 2525 bush 34