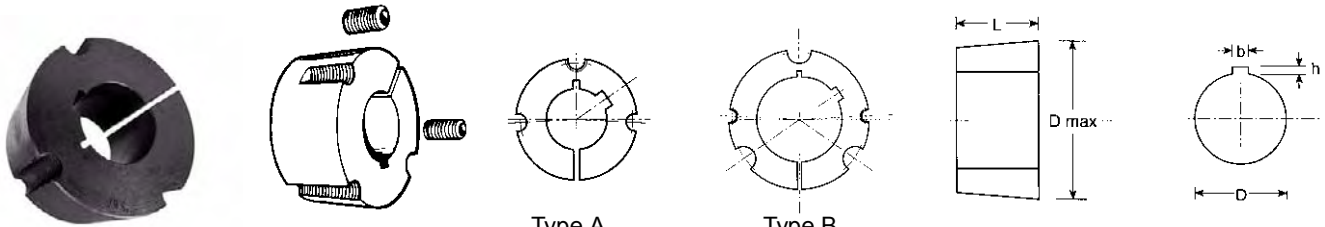


Taper Bushings & Keystock - Metric



Type A
(1008 - 3030)

Type B
(3535 - 5050)

Part No. Example: 2012-25mm

Dimensions in mm

Size	D mm Bores Available	D max	Bushing Length	Set Screws		Torque Nm
				Whitworth	Length	
1008	10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 22, (24), (25)	35.0	22.3	1/4" x 20 TPI	13	5.7
1108	10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 22, 24, 25, (28)	38.0	22.3	1/4" x 20 TPI	13	5.7
1210	11, 12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32	47.5	25.4	3/8" x 16 TPI	16	20
1215	14, 19, 20, 24, 25, 28	47.5	38.1	3/8" x 16 TPI	16	20
1310	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32, (35)	50.5	25.4	3/8" X 16TPI	16	20
1610	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, (42)	57.0	25.4	3/8" x 16 TPI	16	20
1615	14, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, (42)	57.0	38.1	3/8" x 16 TPI	16	20
2012	15, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50	70.0	31.8	7/16" x 14 TPI	22	31
2517**	18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65	85.5	44.5	1/2" x 12 TPI	25	49
2517 AS*	18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65	85.5	44.5	1/2" x 13 UNC*	25	49
3020	25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75	108.0	50.8	5/8" x 11 TPI	32	92
3030	35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75	108.0	76.2	5/8" x 11 TPI	38	92
3525 3535**	35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75, 80, 85, 90	127.0	88.9	1/2" x 12 TPI	44	115
3535 AS*	35, 38, 40, 42, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90	127.0	88.9	1/2" x 13 UNC*	44	115
4040	40, 42, 45, 48, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100	146.0	101.6	5/8" x 11 TPI	51	172
4545	55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110	162.0	114.3	3/4" x 10 TPI	57	195
5050	70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125	177.5	127.0	7/8" x 9 TPI	59	275

Keyway Dimensions (per DIN 6885)

Bore D	Keyway Width b	Keyway Depth h
10 to 12	4	1.8
13 to 17	5	2.3
18 to 22	6	2.8
23 to 30	8	3.3
31 to 38	10	3.3
39 to 44	12	3.3
45 to 50	14	3.8
51 to 58	16	4.3
59 to 65	18	4.4
66 to 75	20	4.9
76 to 85	22	5.4
86 to 95	25	5.4
96 to 110	28	6.4
111 to 130	32	7.4

Dimensions in mm. Bores in parentheses with Shallow Keyway.

*Denotes "AS" American Standard Thread Sizes - 1/2" x 13 UNC set screws for these sizes.

Shallow Keyway Dimensions

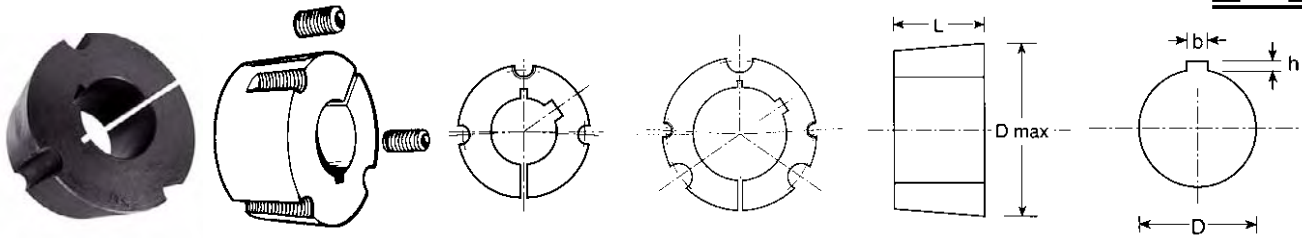
Bore D	Keyway Width b	Keyway Depth h
25	8	1.30
28	8	2.30
32	10	3.30
35	10	3.30
40	12	3.30
42	12	2.20

Metric Keystock (12" Length)

Part No.	Size	Part No.	Size
KS 4 x 4	4 mm	KS 8 x 8	8 mm
KS 5 x 5	5 mm	KS 10 x 10	10 mm
KS 6 x 6	6 mm	KS 12 x 12	12 mm
KS 7 x 7	7 mm		

**Bushing types 2517, 3525 and 3535 are made to "European" standards with 1/2" x 12tpi BSW set screws.

Taper Bushings & Keystock - Inch



Type A
(1008 - 3030)

Type B
(3535 - 5050)

Part No. Example: 2012-3/4

Dimensions in inches

Size	D inch Bores Available	D max	Bushing Length	Set Screws		Torque Nm
				Whitworth	Length	
1008	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, (15/16), (1)	1.38	0.88	1/4 x 20 TPI	0.51	5.7
1108	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, (1-1/16), (1-1/8)	1.50	0.88	1/4 x 20 TPI	0.51	5.7
1210	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4	1.87	1.00	3/8 x 16 TPI	0.63	20
1215	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4	1.87	1.50	3/8 x 16 TPI	0.63	20
1310	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8	1.99	1.00	3/8 x 16 TPI	0.63	20
1610	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, (1-5/8)	2.24	1.00	3/8 x 16 TPI	0.63	20
1615	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, (1-5/8)	2.24	1.50	3/8 x 16 TPI	0.63	20
2012	3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-11/16, 1-3/4, 1-7/8, (1-15/16), (2)	2.76	1.25	7/16 x 14 TPI	0.87	31
2517**	1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-11/16, 1-3/4, 1-7/8, 1-15/16, 2, 2-1/8, 2-3/16, 2-1/4, (2-3/8), (2-7/16), (2-1/2)	3.37	1.75	1/2 x 12 TPI	0.98	49
2517 AS*	1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-11/16, 1-3/4, 1-7/8, 1-15/16, 2, 2-1/8, 2-3/16, 2-1/4, (2-3/8), (2-7/16), (2-1/2)	3.37	1.75	1/2 x 13 UNC*	0.98	49
3020	1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-11/16, 1-3/4, 1-7/8, 1-15/16, 2, 2-1/8, 2-3/16, 2-1/4, 2-3/8, 2-7/16, 2-1/2, 2-5/8, 2-11/16, 2-3/4, (2-7/8), (2-15/16), (3)	4.25	2.00	5/8 x 11 TPI	1.26	92
3030	1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-11/16, 1-3/4, 1-7/8, 1-15/16, 2, 2-1/8, 2-3/16, 2-1/4, 2-3/8, 2-7/16, 2-1/2, 2-5/8, 2-11/16, 2-3/4, (2-7/8), (2-15/16), (3)	4.25	3.00	5/8 x 11 TPI	1.50	92
3525 3535**	1-1/2, 1-5/8, 1-11/16, 1-3/4, 1-7/8, 1-15/16, 2, 2-1/8, 2-3/16, 2-1/4, 2-3/8, 2-7/16, 2-1/2, 2-5/8, 2-11/16, 2-3/4, 2-7/8, 2-15/16, 3, 3-1/8, 3-3/16, 3-1/4, (3-3/8), (3-7/16), (3-1/2)	5.00	3.50	1/2 x 12 TPI	1.73	115
3535 AS*	1-1/2, 1-5/8, 1-11/16, 1-3/4, 1-7/8, 1-15/16, 2, 2-1/8, 2-3/16, 2-1/4, 2-3/8, 2-7/16, 2-1/2, 2-5/8, 2-11/16, 2-3/4, 2-7/8, 2-15/16, 3, 3-1/8, 3-3/16, 3-1/4, (3-3/8), (3-7/16), (3-1/2)	5.00	3.50	1/2 x 13 UNC*	1.73	115
4040	1-3/4, 1-7/8, 1-15/16, 2, 2-1/8, 2-3/16, 2-1/4, 2-3/8, 2-7/16, 2-1/2, 2-5/8, 2-11/16, 2-3/4, 2-7/8, 2-15/16, 3, 3-1/8, 3-3/16, 3-1/4, 3-3/8, 3-7/16, 3-1/2	5.75	4.00	5/8 x 11 TPI	2.01	172
4545	2-1/4, 2-3/8, 2-7/16, 2-1/2, 2-5/8, 2-11/16, 2-3/4, 2-7/8, 2-15/16, 3, 3-1/8, 3-3/16, 3-1/4, 3-3/8, 3-7/16, 3-1/2, 3-3/4, 3-15/16, 4	6.38	4.50	3/4 x 10 TPI	2.24	195
5050	2-3/4, 2-7/8, 2-15/16, 3, 3-1/8, 3-3/16, 3-1/4, 3-3/8, 3-7/16, 3-1/2, 3-3/4, 3-15/16, 4, 4-3/16, 4-1/4, 4-7/16, 4-1/2, 4-3/4, 4-15/16, 5	6.99	5.00	7/8 x 9 TPI	2.32	275

Keyway Dimensions (per DIN 6885)

Bore D	Keyway Width b	Keyway Depth h
1/2	1/8	1/16
5/8 to 7/8	3/16	3/32
15/16 to 1-1/4	1/4	1/8
1-5/16 to 1-3/8	5/16	5/32
1-7/16 to 1-3/4	3/8	3/16
1-13/16 to 2-1/4	1/2	1/4
2-5/16 to 2-3/4	5/8	5/16
2-13/16 to 3-1/4	3/4	3/8
3-5/16 to 3-3/4	7/8	7/16
3-7/8 to 4-1/2	1	1/2
4-7/8 to 5	1-1/4	5/8

Shallow Keyway Dimensions

Bore D	Keyway Width b	Keyway Depth h
15/16 to 1-1/8	1/4	1/16
1-9/16 to 1-5/8	3/8	1/8
1-15/16 to 2	1/2	3/16
2-5/16 to 2-1/2	5/8	1/4
2-7/8 to 3	3/4	1/4
3-3/8 to 3-1/2	7/8	3/8

Inch Keystock (12" Length)

Part No.	Size	Part No.	Size
KS 1/8 x 1/8	1/8	KS 3/8 x 3/8	3/8
KS 3/16 x 3/16	3/16	KS 7/16 x 7/16	7/16
KS 1/4 x 1/4	1/4	KS 1/2 x 1/2	1/2
KS 5/16 x 5/16	5/16		

Dimensions in mm except for Bores and Keyway. Bores in parentheses with Shallow Keyway.

**Bushing types 2517, 3525 and 3535 are made to "European" standards with 1/2" x 12tpi BSW set screws.

To order, specify: 1008 - xx, where xx denotes bore size.

*Denotes "AS" American Standard Thread Sizes - 1/2" x 13 UNC set screw for these sizes.