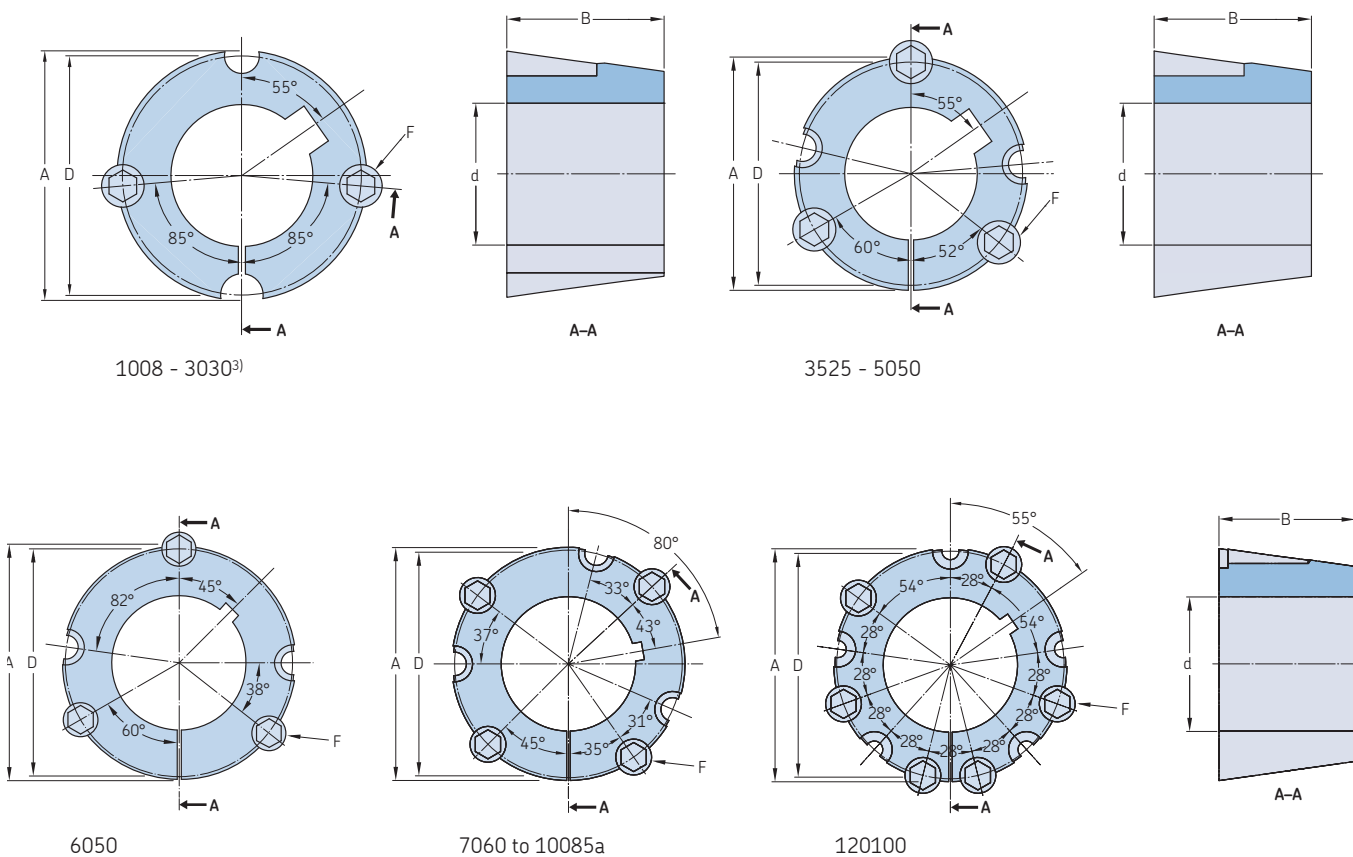


Taper bushings

Bushing number 1008 – 120100



Bushing number	Bore		Dimensions							Mass	Designation
	d Min.	Max.	A	B	D	E	F ²⁾				
	mm	in.	mm	in.	mm				kg		
1008	9	3/8	25	1	35,2	22,2	33,7	–	6,350 x 12,700	0,05	PHF TB1008X...
1108	9	3/8	28	1 1/8	38,4	22,2	36,9	–	6,350 x 12,700	0,08	PHF TB1108X...
1210	11	1/2	32	1 1/4	47,6	25,4	44,5	–	9,525 x 15,875	0,19	PHF TB1210X...
1215	11	1/2	32	1 1/4	47,6	38,1	44,5	–	9,525 x 15,875	0,27	PHF TB1215X...
1610	14	1/2	42	1 5/8	57,2	25,4	54,0	–	9,525 x 15,875	0,31	PHF TB1610X...
1615	14	1/2	42	1 5/8	57,2	38,1	54,0	–	9,525 x 15,875	0,46	PHF TB1615X...
2012	14	1/2	50	2	69,9	31,8	66,7	–	11,113 x 22,225	0,65	PHF TB2012X...
2017	14	1/2	50	2	69,9	44,5	66,7	–	11,113 x 22,225	0,91	PHF TB2017X...
2517 ¹⁾	16	1/2	60	2 1/2	85,7	44,5	82,6	–	12,700 x 25,400	1,47	PHF TB2517X...
2525	16	1/2	60	2 1/2	85,7	63,5	82,6	–	12,700 x 25,400	4,30	PHF TB2525X...
3020	25	1	75	3	108,0	50,8	101,6	–	15,875 x 31,750	2,25	PHF TB3020X...
3030	35	1	75	3	108,0	76,2	101,6	–	15,875 x 31,750	3,25	PHF TB3030X...
3525 ¹⁾	35	1 1/4	100 ³⁾	4	127,0	63,5	123,0	–	12,700 x 38,100	4,23	PHF TB3525X...
3535 ¹⁾	35	1 1/4	90	3 1/2	127,0	89,0	123,0	–	12,700 x 38,100	5,78	PHF TB3535X...
4030	40	1 3/4	115 ³⁾	4 1/4	146,0	76,2	141,0	–	15,875 x 44,450	7,00	PHF TB4030X...
4040	40	1 3/4	100	4	146,0	102,0	141,0	–	15,875 x 44,450	9,20	PHF TB4040X...
4535	55	2	125	5	161,0	89,0	156,0	–	19,050 x 50,800	9,10	PHF TB4535X...
4545	55	2	115 ³⁾	4 1/2	161,0	114,0	156,0	–	19,050 x 50,800	11,80	PHF TB4545X...
5040	70	2 5/8	140	5 1/2	178,0	101,6	171,0	–	22,255 x 57,150	12,26	PHF TB5040X...
5050	70	2 5/8	125	5	178,0	127,0	171,0	–	22,255 x 57,150	15,18	PHF TB5050X...
6050	95	3 7/8	150	6	235,0	127,0	228,6	171,5	31,800 x 88,900	25,00	PHF TB6050X...
7060	110	4 5/8	170	7	260,4	152,4	254,0	196,9	31,800 x 88,900	34,00	PHF TB7060X...
8065	130	5 1/16	190	8	285,8	165,1	279,4	222,3	31,800 x 88,900	45,00	PHF TB8065X...
10085	170	6 9/16	260	10	374,7	215,9	368,3	298,5	38,100 x 114,300	104,00	PHF TB10085X...
120100	200	7 9/16	290	12	438,2	254,0	431,8	362,0	38,100 x 114,300	163,00	PHF TB120100X...

Note: Bushings cannot be bored out larger than listed.
 Bushings are supplied with screws: 1008 - 3030 (2 screws); 3525 - 6050 (3 screws); 7060 - 10085 (4 screws); and 120100 (6 screws).
¹⁾ Bushings are also available with coarse thread (UNC) according to ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3525X70MM.
²⁾ Screw size x length.
 A is the diameter at the face of the bush and D is the bolt pitch diameter.
 To complete designation, add bore size. For example: PHF TB1215X16MM designates a 1215 taper bushing with a 16 mm bore.
³⁾ Indicates shallow key required (e.g. DIN 6885/3).
 Sizes 1008 - 3030 may be supplied in either 3 hole or 4 hole. There is no difference in their respective performance characteristics.

Metric bores and keyway

Bore diameter	Keyway Width	Depth	Shallow keyway depth	Bore sizes available															
				1008	1108	1210	1610	1615	2012	2517	3020	3030	3525	3535	4030	4040	4535	4545	5040
9	3	1,4	—	•	•														
10	3	1,4	—	•	•														
11	4	1,8	—	•	•	•													
12	4	1,8	—	•	•	•													
14	5	2,3	—	•	•	•	•	•											
15	5	2,3	—	•	•	•	•	•											
16	5	2,3	—	•	•	•	•	•	•										
18	6	2,8	—	•	•	•	•	•	•										
19	6	2,8	—	•	•	•	•	•	•										
20	6	2,8	—	•	•	•	•	•	•										
22	6	2,8	—	•	•	•	•	•	•										
24	8	3,3	1,3	• ¹⁾	•	•	•	•	•										
25	8	3,3	1,3	• ¹⁾	•	•	•	•	•										
28	8	3,3	1,3		• ¹⁾	•	•	•	•										
30	8	3,3	—		•	•	•	•	•										
32	10	3,3	—			•	•	•	•										
35	10	3,3	—			•	•	•	•										
38	10	3,3	—			•	•	•	•										
40	12	3,3	1,3			•	•	•	•										
42	12	3,3	1,3			•	•	•	•										
45	14	3,8	—					•	•										
48	14	3,8	—					•	•										
50	14	3,8	—					•	•										
55	16	4,3	—					•	•										
60	18	4,4	—					•	•										
65	18	4,4	—						•										
70	20	4,9	—						•										
75	20	4,9	—						•										
80	22	5,4	—						•										
85	22	5,4	—						•										
90	25	5,4	—																
95	25	5,4	—																
100	28	6,4	4,4																
105	28	6,4	—																
110	28	6,4	—																
110	32	7,4	5,4																
120	32	7,4	—																
125	32	7,4	—																
130	32	7,4	—																
140	32	8,4	6,4																

Inch bores and keyway

Bore diameter	Keyway Width	Depth	Shallow keyway depth	Bore sizes available															
				1008	1108	1210	1610	1615	2012	2517	3020	3030	3525	3535	4030	4040	4535	4545	5040
3/8	1/8	1/16	—	•	•														
1/2	1/8	1/16	—	•	•														
5/8	3/32	3/32	—	•	•	•	•	•	•										
3/4	3/32	3/32	—	•	•	•	•	•	•										
7/8	1/4	1/8	—	•	•	•	•	•	•										
1	1/4	1/8	1/16	• ¹⁾	•	•	•	•	•										
1 1/8	5/16	1/8	5/64		• ¹⁾	•	•	•	•										
1 1/4	5/16	1/8	—			•	•	•	•										
1 3/8	3/8	1/8	—				•	•	•										
1 1/2	3/8	1/8	—					•	•										
1 5/8	7/16	5/32	1/8						•										
1 3/4	7/16	5/32	—						•										
1 7/8	1/2	5/32	—						•										
2	1/2	5/32	—						•										
2 1/8	5/8	7/32	—																
2 1/4	5/8	7/32	—																
2 3/8	5/8	7/32	—																
2 1/2	5/8	7/32	—																
2 5/8	3/4	1/4	—																
2 3/4	3/4	1/4	—																
2 7/8	3/4	1/4	—																
3	3/4	1/4	—																
3 1/8	7/8	5/16	—																
3 1/4	7/8	5/16	—																
3 3/8	7/8	5/16	—																
3 1/2	7/8	5/16	—																
3 3/4	1	3/8	5/16																
4	1	3/8	7/32																
4 1/4	1 1/4	7/16	—																
4 1/2	1 1/4	7/16	11/32																
4 3/4	1 1/4	7/16	—																
5	1 1/4	7/16	11/32																

¹⁾ Bushing comes with a shallow keyway.