

TABLE 2. INCH DIMENSIONS OF COLLARS

All dimensions in inches. (See Fig. 1.)

1		2		3		4		5		6		7		8		9		10		11		1		
Bore diameter d		Tolerance H17 \dagger		Nominal D		Tolerance H14 \dagger		Length C		Chamfer D_1		Chamfer D_2		Socket set screw J^*		Taper pin pilot hole diameter H		Large end diameter Recommended taper pin \dagger		Length		Bore diameter d		
1/4		+0.0006		5/8		+0		5/16						10-32 UNF $\times 3/16$	3/64	1/16	1/16	5/64	3/32	3/4	1/4	1/4		
5/16		-0		1 1/16	3/4	-0.015		5/16	3/8	1/2	1/2	1/2	1/2		1/16	5/64	5/64	3/32	1	7/8	5/16	5/16		
7/16 \S				7/8		+0		7/16						1/4-28 UNF $\times 1/4$	3/32	1/8	1/8	5/32	1	1 1/4	7/16 \S	1/2	3/8	
1/2		-0.0007		1		-0.020		1/2		3/4	3/4	3/4	3/4		1/8	5/32	5/32	3/16	1 1/2	5/8	1 1/16 \S	3/4	9/16 \S	
5/8		-0		1 1/8				5/8		5/4	5/4	5/4	5/4		1/4	3/16	3/16	1 1/2	1 1/2	1 1/2	1 3/16 \S	1 1/2	1 5/16 \S	
1 1/16 \S				1 1/4		+0		9/16						5/16-24 UNF $\times 1/4$	5/32	3/16	3/16	1 1/2	1 1/2	1 3/4	1 3/16 \S	1 3/4	1 5/16 \S	
1 3/16 \S		-0.0008		1 1/2		-0.025		1 1/8						3/16-24 UNF $\times 5/16$	1/8	7/32	7/32	1 3/4	1 3/4	2	1	1 3/8	1 5/16 \S	
7/8		-0		1 5/8				7/8							1/8	1/2	1/2	1 3/4	2	2 1/4	1 1/8	1 1/4		
1				2				1							1/4	1/2	1/2	2	2	2 1/2	1 1/8	1 1/4		
1 1/8				2 1/4				1 1/4							3/16	1/2	1/2	2 1/4	2 1/4	2 3/4	1 3/8	1 1/2		
1 3/8		+0.001		2 1/2		+0		3/4		1 1/2	1 1/2	1 1/2	1 1/2		5/64	1/2	1/2	2 1/4	2 1/4	2 3/4	1 3/8	1 1/2		
1 1/2		-0		2 3/4		-0.030				1 1/2	1 1/2	1 1/2	1 1/2		15/64	1/2	1/2	2 1/4	2 1/4	2 3/4	1 3/8	1 1/2		
1 5/8				2 3/4						1 1/2	1 1/2	1 1/2	1 1/2		3/8-24 UNF $\times 3/8$	15/64	1/2	1/2	2 3/4	2 3/4	1 3/8	1 1/2		

* See 3.3.

† B.S. 46, 'Keys and keyways and taper pins', Part 3, 'Solid and split taper pins'.

‡ See B.S. 1916, 'Limits and fits for engineering', Part 1, 'Limits and tolerances'.

§ Non-preferred.

TABLE 1. MILLIMETRE DIMENSIONS OF COLLARS

All dimensions in millimetres. (See Fig. 1.)

1	2	3	4	5	6	7	8	9	10	11	1
Nominal Bore diameter d	Tolerance $H7/f7$	Nominal Outside diameter B	Tolerance $h14/f4$	Length C	Chamfer D_1 D_2		Thread and Socket set screw f^*	Taper pin pilot hole diameter H	Small end Recommended taper pin	Length	Nominal Bore diameter d
6	± 0.012 0	16	± 0 -0.43	8			M 4 \times 5	1.3	1.5	18	6
7											7
8	± 0.015 0	20		10	0.3	1					8
9											9
10		25		12				2.8	3	24	10
12	± 0.018 0	28	± 0 -0.52	14			M 6 \times 8	3.8	4	28	12
15											15
17											17
20		32		16					6	36	20
22											22
25	± 0.021 0	40	± 0 -0.62	18				5.8	6	45	25
28		45		20			M 8 \times 10		8	50	28
30											30
32		55		22					8	60	32
35											35
40	± 0.025 0	70	± 0 -0.74	25			M 10 \times 12	7.8	8	70	40
45		80									45
50		90								90	50
55											55
60		100		22			M 10 \times 15	9.8	10	100	60
65	± 0.030 0	110	± 0 -0.87								65
70					0.5	2	M 12 \times 15			110	70
75		125									75
80										120	80
85											85
90	± 0.035 0	140	± 0 -1	25			M 12 \times 20	11.8	12	130	90
95											95
100										150	100

* See 3.3.
† See B.S. 1916, 'Limits and fits for engineering', Part 1, 'Limits and tolerances'.