

Key Size Versus Shaft Diameter ANSI B17.1-1967 (R1998)

Nominal Shaft Diameter		Nominal Key Size			Normal Keyseat Depth	
Over	To (Incl.)	Width, <i>W</i>	Height, <i>H</i>		<i>H/2</i>	
			Square	Rectangular	Square	Rectangular
5/16	7/16	3/32	3/32	---	3/64	---
7/16	9/16	1/8	1/8	3/32	1/16	3/64
9/16	7/8	3/16	3/16	1/8	3/32	1/16
7/8	1 1/4	1/4	1/4	3/16	1/8	3/32
1 1/4	1 3/8	5/16	5/16	1/4	5/32	1/8
1 3/8	1 3/4	3/8	3/8	1/4	3/16	1/8
1 3/4	2 1/4	1/2	1/2	3/8	1/4	3/16
2 1/4	2 3/4	5/8	5/8	7/16	5/16	7/32
2 3/4	3 1/4	3/4	3/4	1/2	3/8	1/4
3 1/4	3 3/4	7/8	7/8	5/8	7/16	5/16
3 3/4	4 1/2	1	1	3/4	1/2	3/8
4 1/2	5 1/2	1 3/4	1 1/4	7/8	5/8	7/16
5 1/2	6 1/2	1 1/2	1 1/2	1	3/4	1/2
Square Keys preferred for shaft diameters above this line: rectangular keys, below						
6 1/2	7 1/2	1 3/4	1 3/4	1 1/2	7/8	3/4
7 1/2	9	2	2	1 1/2	1	3/4
9	11	2 1/2	2 1/2	1 3/4	1 1/4	7/8

British Standard Metric Keyways for Square and Rectangular Parallel Keys

Shaft		Key
Nominal Diameter, <i>d</i>		Size, <i>b</i> x <i>h</i>
Over	Up to and Incl.	
6	8	2 X 2
8	10	3 X 3
10	12	4 X 4
12	17	5 X 5
17	22	6 X 6
22	30	8 X 7
30	38	10 X 8