















Dimensions of Square & Rectangular Sunk Keys (in mm) [IS: 2293]

Shaft diameter		Key size	Keyway depth	
Above	Upto & including	Width × Height	In shaft	In hub
6	8	2 × 2	1.2	1
8	10	3 × 3	1.8	1.4
10	12	4 × 4	2.5	1.8
12	17	5 × 5	3	2.3
17	22	6 × 6	3.5	2.8
22	30	8 × 7	4	3.3
30	38	10 × 8	5	3.3
38	44	12 × 8	5	3.3
44	50	14 × 9	5.5	3.8
50	58	16 × 10	6	4.3
58	65	18 × 11	7	4.4
65	75	20 × 12	7.5	4.9
75	85	22 × 14	8.5	5.9





Parallel Sunk Key

IS: 2048

- is a sunk key (with rectangular or square cross-section) which is uniform in width as well as height throughout the length of key

Taper Key

IS: 2292

- is a sunk key which is uniform in width but tapered in height
- Bottom surface of the key is straight & the top surface is given a taper
- Standard taper is 1 in 100

Designation of Parallel Sunk Keys

 $Width \times Height \times Length$

Example: A parallel key of width 10mm, height 8 mm & a length 50 mm shall be designated as : Parallel key $10\times8\times50$ [IS: 2048]

Machine Design



















