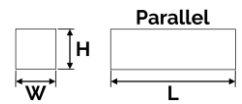


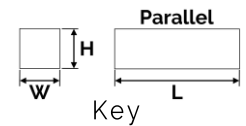
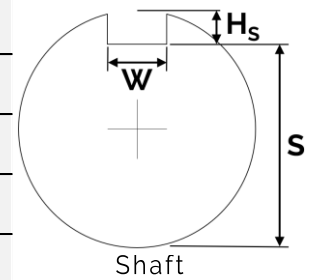
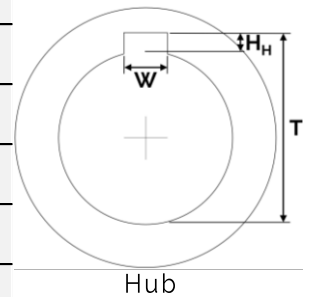
Key And Keyway Dimensions ASME B18.25.1M



Nominal Shaft Diameter		Nominal Key Size		Keyway							
				Width			Height				Corner Radius
Over	To (Including)	Width, W Square And Rectangular	Height, H Square And Rectangular	Normal Fit Tolerances			Shaft		Hub		
				Nominal Size	Shaft	Hub	Nominal Size, Hs	Tolerance	Nominal Size, Hh	Tolerance	
6	8	2	2	2	-0.004 -0.029	+0.0125 -0.0125	1.2	+0.1 0	1	+0.1 0	0.08 - 0.16
8	10	3	3	3	-0.004 -0.029	+0.0125 -0.0125	1.8	+0.1 0	1.4	+0.1 0	0.08 - 0.16
10	12	4	4	4	0 -0.030	+0.0150 -0.0150	2.5	+0.1 0	1.8	+0.1 0	0.08 - 0.16
12	17	5	5	5	0 -0.030	+0.0150 -0.0150	3	+0.1 0	2.8	+0.1 0	0.16 - 0.25
17	22	6	6	6	0 -0.030	+0.0150 -0.0150	3.5	+0.1 0	2.8	+0.1 0	0.16 - 0.25
22	30	8	7	8	0 -0.036	+0.0180 -0.0180	4	+0.2 0	3.3	+0.1 0	0.16 - 0.25
30	38	10	8	10	0 -0.036	+0.0180 -0.0180	5	+0.2 0	3.3	+0.2 0	0.25 - 0.40
38	44	12	8	12	0 -0.043	+0.0215 -0.0215	5	+0.2 0	3.3	+0.2 0	0.25 - 0.40
44	50	14	9	14	0 -0.043	+0.0215 -0.0215	5.5	+0.2 0	3.8	+0.2 0	0.25 - 0.40
50	58	16	10	16	0 -0.043	+0.0215 -0.0215	6	+0.2 0	4.3	+0.2 0	0.25 - 0.40
58	65	18	11	18	0 -0.043	+0.0215 -0.0215	7	+0.2 0	4.4	+0.2 0	0.25 - 0.40
65	75	20	12	20	0 -0.052	+0.026 -0.026	7.5	+0.2 0	4.9	+0.2 0	0.40 - 0.60
75	85	22	14	22	0 -0.052	+0.026 -0.026	9	+0.2 0	5.4	+0.2 0	0.40 - 0.60
85	95	25	14	25	0 -0.052	+0.026 -0.026	9	+0.2 0	5.4	+0.2 0	0.40 - 0.60
95	110	28	16	28	0 -0.052	+0.026 -0.026	10	+0.2 0	6.4	+0.2 0	0.40 - 0.60
110	130	32	18	32	0 -0.062	+0.031 -0.031	11	+0.2 0	7.4	+0.2 0	0.40 - 0.60
130	150	36	20	36	0 -0.062	+0.031 -0.031	12	+0.3 0	8.4	+0.3 0	0.70 - 1.0
150	170	40	22	40	0 -0.062	+0.031 -0.031	13	+0.3 0	9.4	+0.3 0	0.70 - 1.0
170	200	45	25	45	0 -0.062	+0.031 -0.031	15	+0.3 0	10.4	+0.3 0	0.70 - 1.0
200	230	50	28	50	0 -0.062	+0.031 -0.031	17	+0.3 0	11.4	+0.3 0	0.70 - 1.0
230	260	56	32	56	0 -0.074	+0.037 -0.037	20	+0.3 0	12.4	+0.3 0	1.2 - 1.6
260	290	63	32	63	0 -0.074	+0.037 -0.037	20	+0.3 0	12.4	+0.3 0	1.2 - 1.6
290	330	70	36	70	0 -0.074	+0.037 -0.037	22	+0.3 0	14.4	+0.3 0	1.2 - 1.6
330	380	80	40	80	0 -0.074	+0.037 -0.037	25	+0.3 0	15.4	+0.3 0	2.0 - 2.5
380	440	90	45	90	0 -0.087	+0.0435 -0.0435	28	+0.3 0	17.4	+0.3 0	2.0 - 2.5
440	500	100	50	100	0 -0.087	+0.0435 -0.0435	31	+0.3 0	19.5	+0.3 0	2.0 - 2.5

Notes:

- Make sure to consider the stress concentrations around the keyway.
- Key Hardness:
 - Standard: min. 183HV
 - Hardened: 390-510 HV
- Key length should be kept to less than 10 times the key width to minimize problems from poor key straightness.
- If more key length is needed then multiple keys may be used to carry greater load. They are normally placed 90 degrees apart. (Shigley's 9th ed)



All dimensions in millimeters.

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