

# WOODRUFF KEYS



Woodruff Keys are supplied to DIN 6888 / ISO 3912 in C45k key steel and are made to minus tolerances (h9 on width and h12 on height). See page 35 for tolerance tables.

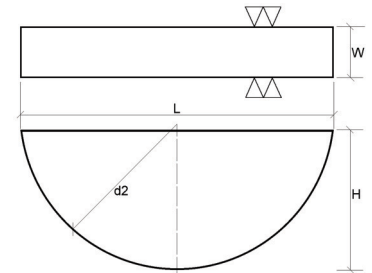
Inch sizes are supplied to BS 46 Part 1 and are made to plus tolerances of nominal +0.001" on the width and +0.005" on the height.

## TO SPECIFY

State the standard, width and height

Eg DIN 6888 3 x 5

Inch sizes can be specified in the same way, but it is usual practice to give the width and full diameter, rather than the width and height. There is also a 'Key Number' system that is mentioned in the table below as an alternative way of specification.



## SIZE RANGE – WOODRUFF KEYS

Woodruff Keys, DIN 6888 (Metric)				Woodruff Keys, BS 46 Part 1 (Imperial)			
Width 'W'	Height 'H'	Length 'L'	Diameter (d2 x 2)	Key No	Width 'W'	Height 'H'	Diameter (d2x2)
1.5	2.6	6.75	7	203	1/16	0.166 – 0.171	3/8
2	2.6	6.75	7	204	1/16	0.198 – 0.203	1/2
2	3.7	9.66	10	303	3/32	0.166 – 0.171	3/8
2	5	12.65	13	304	3/32	0.198 – 0.203	1/2
2.5	3.7	9.66	10	305	3/32	0.245 – 0.250	5/8
3	3.7	9.66	10	403	1/8	0.166 – 0.171	3/8
3	5	12.65	13	404	1/8	0.198 – 0.203	1/2
3	6.5	15.72	16	405	1/8	0.245 – 0.250	5/8
4	5	12.65	13	406	1/8	0.308 – 0.313	3/4
4	6.5	15.72	16	505	5/32	0.245 – 0.250	5/8
4	7.5	18.57	19	506	5/32	0.308 – 0.313	3/4
5	6.5	15.72	16	507	5/32	0.370 – 0.375	7/8
5	7.5	18.57	19	606	3/16	0.308 – 0.313	3/4
5	9	21.63	22	607	3/16	0.370 – 0.375	7/8
5	10	24.49	25	608	3/16	0.433 – 0.438	1
6	7.5	18.57	19	609	3/16	0.479 – 0.484	1 1/8
6	9	21.63	22	807	1/4	0.370 – 0.375	7/8
6	10	24.49	25	808	1/4	0.433 – 0.438	1
6	11	27.35	28	809	1/4	0.479 – 0.484	1 1/8
7	10	24.49	25	810	1/4	0.542 – 0.547	1 1/4
8	9	21.63	22	812	1/4	0.636 – 0.641	1 1/2
8	11	27.35	28	1008	5/16	0.433 – 0.438	1
8	13	31.43	32	1009	5/16	0.479 – 0.484	1 1/8
10	11	27.35	28	1010	5/16	0.542 – 0.547	1 1/4
10	13	31.43	32	1011	5/16	0.589 – 0.594	1 3/8
10	16	43.08	45	1012	5/16	0.636 – 0.641	1 1/2
				1210	3/8	0.542 – 0.547	1 1/4
				1211	3/8	0.589 – 0.594	1 3/8
				1212	3/8	0.636 – 0.641	1 1/2