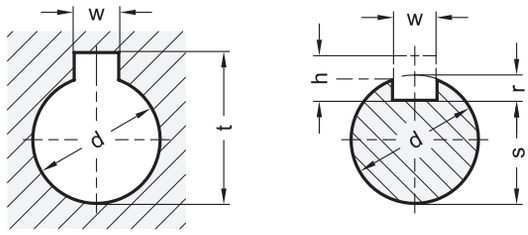


Inch table

Dimensions in: inches - *millimeters*

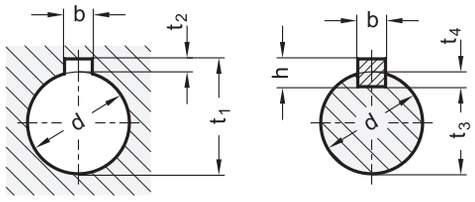
d	**w** $^{+0.002}_{-0}$ Hub keyway	**w** $^{+0.002}_{-0}$ Shaft keyseat	**h** $^{+0.001}_{-0}$ Key stock	**t** Hub keyway	**s** Shaft keyseat	**r = d-s** Reference depth
5/16	3/32	3/32	3/32	0.357 $^{+0.01}_{-0}$ *9.1* $^{+0.254}_{-0}$	0.258 $^{+0}_{-0.015}$ *6.6* $^{+0}_{-0.381}$	0.054 *1.4*
3/8	3/32	3/32	3/32	0.421 $^{+0.01}_{-0}$ *10.7* $^{+0.254}_{-0}$	0.322 $^{+0}_{-0.015}$ *8.2* $^{+0}_{-0.381}$	0.053 *1.3*
1/2	1/8	1/8	1/8	0.560 $^{+0.01}_{-0}$ *14.2* $^{+0.254}_{-0}$	0.430 $^{+0}_{-0.015}$ *10.9* $^{+0}_{-0.381}$	0.070 *1.8*
5/8	3/16	3/16	3/16	0.709 $^{+0.01}_{-0}$ *18.0* $^{+0.254}_{-0}$	0.517 $^{+0}_{-0.015}$ *13.1* $^{+0}_{-0.381}$	0.108 *2.7*
3/4	3/16	3/16	3/16	0.837 $^{+0.01}_{-0}$ *21.3* $^{+0.254}_{-0}$	0.644 $^{+0}_{-0.015}$ *16.4* $^{+0}_{-0.381}$	0.106 *2.7*
7/8	3/16	3/16	3/16	0.964 $^{+0.01}_{-0}$ *24.5* $^{+0.254}_{-0}$	0.771 $^{+0}_{-0.015}$ *19.6* $^{+0}_{-0.381}$	0.104 *2.6*
1	1/4	1/4	1/4	1.114 $^{+0.01}_{-0}$ *28.3* $^{+0.254}_{-0}$	0.859 $^{+0}_{-0.015}$ *21.8* $^{+0}_{-0.381}$	0.141 *3.6*

Information

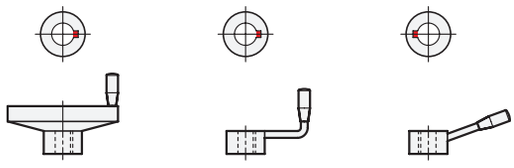
By selecting the bore code **K**, standard parts such as handwheels or crank handles can be ordered with hub bores that are provided with a keyway.

The keyways correspond to the ASME USAS B17.1 “Keys and Keyseats”. The table above shows the dimension of the keyway / keyseat for each available hub bore diameter.

The keyways are dimensioned for use with a stock key class 2 in order to get a tight fit combination.



Positioning of the keyway for:



Handwheels | Crank handles | Control levers

Metric table

Dimensions in: millimeters - *inches*

d	b* P9 / JS9 / D10 Hub keyway	b* P9 / N9 / H9 Shaft keyseat	h	t_1 = d + t_2	t_2**	t_3 = d – t_4	t_4
6 *0.24*	2 *0.08*	2 *0.08*	2 *0.08*	7 *0.28*	1 +0.1 *0.04 +0.004*	4.8 *0.19*	1.2 +0.1 *0.05 +0.004*
7 *0.28*	2 *0.08*	2 *0.08*	2 *0.08*	8 *0.31*	1 +0.1 *0.04 +0.004*	5.8 *0.23*	1.2 +0.1 *0.05 +0.004*
8 *0.31*	2 *0.08*	2 *0.08*	2 *0.08*	9 *0.35*	1 +0.1 *0.04 +0.004*	6.8 *0.27*	1.2 +0.1 *0.05 +0.004*
9 *0.35*	3 *0.12*	3 *0.12*	3 *0.12*	10.4 *0.41*	1.4 +0.1 *0.06 +0.004*	7.2 *0.28*	1.8 +0.1 *0.07 +0.004*
10 *0.39*	3 *0.12*	3 *0.12*	3 *0.12*	11.4 *0.45*	1.4 +0.1 *0.06 +0.004*	8.2 *0.32*	1.8 +0.1 *0.07 +0.004*
11 *0.43*	4 *0.16*	4 *0.16*	4 *0.16*	12.8 *0.50*	1.8 +0.1 *0.07 +0.004*	8.5 *0.33*	2.5 +0.1 *0.10 +0.004*
12 *0.47*	4 *0.16*	4 *0.16*	4 *0.16*	13.8 *0.54*	1.8 +0.1 *0.07 +0.004*	9.5 *0.37*	2.5 +0.1 *0.10 +0.004*
13 *0.51*	5 *0.20*	5 *0.20*	5 *0.20*	15.3 *0.60*	2.3 +0.1 *0.09 +0.004*	10 *0.39*	3 +0.1 *0.12 +0.004*
14 *0.55*	5 *0.20*	5 *0.20*	5 *0.20*	16.3 *0.64*	2.3 +0.1 *0.09 +0.004*	11 *0.43*	3 +0.1 *0.12 +0.004*
15 *0.59*	5 *0.20*	5 *0.20*	5 *0.20*	17.3 *0.68*	2.3 +0.1 *0.09 +0.004*	12 *0.47*	3 +0.1 *0.12 +0.004*
16 *0.63*	5 *0.20*	5 *0.20*	5 *0.20*	18.3 *0.72*	2.3 +0.1 *0.09 +0.004*	13 *0.51*	3 +0.1 *0.12 +0.004*
17 *0.67*	5 *0.20*	5 *0.20*	5 *0.20*	19.3 *0.76*	2.3 +0.1 *0.09 +0.004*	14 *0.55*	3 +0.1 *0.12 +0.004*
18 *0.71*	6 *0.24*	6 *0.24*	6 *0.24*	20.8 *0.82*	2.8 +0.1 *0.11 +0.004*	14.5 *0.57*	3.5 +0.1 *0.14 +0.004*
20 *0.79*	6 *0.24*	6 *0.24*	6 *0.24*	22.8 *0.90*	2.8 +0.1 *0.11 +0.004*	16.5 *0.65*	3.5 +0.1 *0.14 +0.004*

d	b* P9 / JS9 / D10 Hub keyway	b* P9 / N9 / H9 Shaft keyseat	h	t_1 = d + t_2	t_2**	t_3 = d – t_4	t_4
22 *0.87*	6 *0.24*	6 *0.24*	6 *0.24*	24.8 *0.98*	2.8 +0.1 *0.11 +0.004*	18.5 *0.73*	3.5 +0.1 *0.14 +0.004*
24 *0.94*	8 *0.31*	8 *0.31*	7 *0.28*	27.3 *1.07*	3.3 +0.1 *0.13 +0.004*	20 *0.79*	4 +0.2 *0.16 +0.008*
25 *0.98*	8 *0.31*	8 *0.31*	7 *0.28*	28.3 *1.11*	3.3 +0.2 *0.13 +0.008*	21 *0.83*	4 +0.2 *0.16 +0.008*
26 *1.02*	8 *0.31*	8 *0.31*	7 *0.28*	29.3 *1.15*	3.3 +0.2 *0.13 +0.008*	22 *0.87*	4 +0.2 *0.16 +0.008*
28 *1.10*	8 *0.31*	8 *0.31*	7 *0.28*	31.3 *1.23*	3.3 +0.2 *0.13 +0.008*	24 *0.94*	4 +0.2 *0.16 +0.008*
30 *1.18*	8 *0.31*	8 *0.31*	7 *0.28*	33.3 *1.31*	3.3 +0.2 *0.13 +0.008*	26 *1.02*	5 +0.2 *0.20 +0.008*
32 *1.26*	10 *0.39*	10 *0.39*	8 *0.31*	35.3 *1.39*	3.3 +0.2 *0.13 +0.008*	27 *1.06*	5 +0.2 *0.20 +0.008*
34 *1.34*	10 *0.39*	10 *0.39*	8 *0.31*	37.3 *1.47*	3.3 +0.2 *0.13 +0.008*	29 *1.14*	5 +0.2 *0.20 +0.008*
35 *1.38*	10 *0.39*	10 *0.39*	8 *0.31*	38.3 *1.51*	3.3 +0.2 *0.13 +0.008*	30 *1.18*	5 +0.2 *0.20 +0.008*
36 *1.42*	10 *0.39*	10 *0.39*	8 *0.31*	39.3 *1.55*	3.3 +0.2 *0.13 +0.008*	31 *1.22*	5 +0.2 *0.20 +0.008*
38 *1.50*	10 *0.39*	10 *0.39*	8 *0.31*	41.3 *1.63*	3.3 +0.2 *0.13 +0.008*	33 *1.30*	5 +0.2 *0.20 +0.008*
40 *1.57*	12 *0.47*	12 *0.47*	8 *0.31*	43.3 *1.70*	3.3 +0.2 *0.13 +0.008*	35 *1.38*	5 +0.2 *0.20 +0.008*
42 *1.65*	12 *0.47*	12 *0.47*	8 *0.31*	45.3 *1.78*	3.3 +0.2 *0.13 +0.008*	37 *1.46*	5 +0.2 *0.20 +0.008*
44 *1.73*	12 *0.47*	12 *0.47*	8 *0.31*	47.3 *1.86*	3.3 +0.2 *0.13 +0.008*	39 *1.54*	5 +0.2 *0.20 +0.008*

* The slot width is typically P9, exceptions are indicated on the respective standard sheet.
** For rear clearance

Information

DIN 6885 page 1 and age 2 differ mainly in the radial position of the parallel key (see sketch).

Depending on the slot width tolerance, the following fit or seating results in combination with the parallel key:

Tolerance	**b** Hub keyway	**b** Shaft keyway
for tight fit	P9	P9
for loose fit	JS9	N9
for sliding	D10	H9