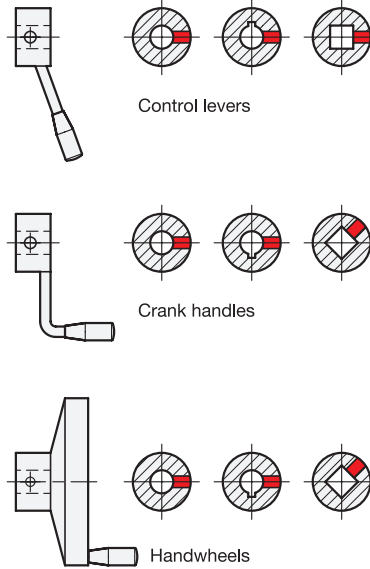


Positioning of the cross hole radially and in relation to the keyway / square for:



Inch table

Dimensions in: inches - millimeters

d_1 / s	$d_2^{+0.003 / -0.001}$	d_3 Thread	Length l
1/4	3/32	6x32	0.188 4.78
5/16	1/8	10x32	0.200 5.08
3/8	1/8	10x32	0.200 5.08
1/2	5/32	1/4x20	0.250 6.35
9/16	5/32	1/4x20	0.250 6.35
5/8	3/16	1/4x20	0.312 7.92
11/16	3/16	1/4x20	0.312 7.92
3/4	3/16	1/4x20	0.312 7.92
13/16	1/4	1/4x20	0.375 9.53
1	1/4	5/16x18	0.375 9.53
1 1/16	1/4	5/16x18	0.375 9.53
1 1/8	1/4	5/16x18	0.375 9.53
1 1/4	1/4	5/16x18	0.375 9.53

Metric table

Dimensions in: millimeters - inches

d_1 / s	d_2 H11	d_3 Thread	Length l Standard version	Length l Handwheels DIN 950 / GN 949 up to Ø 250 mm
6 0.24	7 0.28	2.5 0.10	M 3 4.5 0.18	-
8 0.31	9 0.35	3 0.12	M 5 5.5 0.22	4.5 0.18
10 0.39	11 0.43	3 0.12	M 5 5.5 0.22	4.5 0.18
12 0.47	13 0.51	4 0.16	M 6 6.5 0.26	5.5 0.22
14 0.55	15 0.59	4 0.16	M 6 6.5 0.26	5.5 0.22
16 0.63	17 0.67	5 0.20	M 6 8 0.31	7 0.28
18 0.71	19 0.75	5 0.20	M 6 8 0.31	7 0.28
20 0.79	21 0.83	5 0.20	M 6 8 0.31	7 0.28
22 0.87	23 0.91	6 0.24	M 6 10 0.39	9 0.35
24 0.94	25 0.98	6 0.24	M 6 10 0.39	9 0.35
26 1.02	27 1.06	6 0.24	M 6 10 0.39	9 0.35

Information

The connection between the operating element and the shaft is often made by a cross pin or a grub screw. As a result, the user is faced with relatively high assembly costs since cross holes on operating elements are usually not readily available. Components with cross holes according to GN 110 are not only manufactured and supplied at very competitive prices but there is also no need for time-consuming design drawings. However, the geometrical shape of some operating elements does not allow the use of this standard. The d_2 pin hole is intended for use with a spring pin.

<p>How to order</p> <p>GN 110-QE</p>	<p>¹</p>	<p>Handwheel DIN 950-GG-160-B14-A with cross hole GN 110-QE</p>
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