



3 Type
A Bore filleted on one side

Specification

- Steel
 - Hardened to HRC 62 ±2
 - Fit surface d_1 and d_2 precision machined
- *ISO Fundamental Tolerances* → page 2129
- **RoHS compliant**

On request

- Other bores d_1
- Top and bottom side of the bore hole d_1 filleted (Type B)
- Inch sizes

Information

DIN 172 and DIN 179 press-fit drill bushings are characterized by the tight dimensional and positional tolerances in connection with the hardened and precision machined surface. As a result, they are suitable for extremely universal use in many applications.

Holes with tolerance H7 are recommended for installing the bushings. In connection with the outer diameter of the bushing with a tolerance of n6, this results in a preferably used transition fit.

For applications involving positioning, we recommend using these drill bushings together with GN 771.1 locating pins.

see also...

- *Press-Fit Guide Bushings GN 172.1 (with Conical Bore)* → page 983
- *Press-Fit Guide Bushings GN 179.1 (with Conical Bore)* → page 983
- *Locating Pins GN 771.1* → page 1176
- *Indexing Plungers GN 817.3 (for Precision Locating)* → page 980
- *Indexing Plungers GN 817.5 (for Precision Locating)* → page 981

<p>How to order (With flange)</p> <p>DIN 172-B4.7-16-A</p>	<p>1 Bore d_1</p> <p>2 Length l_1</p> <p>3 Type</p>
<p>How to order (Without flange)</p> <p>DIN 179-B32.5-45-A</p>	<p>1 Bore d_1</p> <p>2 Length l_1</p> <p>3 Type</p>

Metric table



Dimensions in: millimeters - inches

d ₁ F7 Bore										l ₁			d ₂ n6	d ₃	l ₂
...0	...1	...2	...3	...4	...5	...6	...7	...8	...9						
-	-	-	-	-	-	B 0.6	B 0.7	B 0.8	-	6	-	-	3	6	2
										0.24			0.12	0.24	0.08
-	-	-	-	-	-	-	-	-	B 0.9	6	9	-	3	6	2
										0.24	0.35		0.12	0.24	0.08
B 1	-	-	-	-	-	-	-	-	-	6	9	-	3	6	2
										0.24	0.35		0.12	0.24	0.08
-	B 1.1	B 1.2	B 1.3	B 1.4	B 1.5	B 1.6	B 1.7	B 1.8	-	6	9	-	4	7	2
										0.24	0.35		0.16	0.28	0.08
-	-	-	-	-	-	-	-	-	B 1.9	6	9	-	5	8	2
										0.24	0.35		0.20	0.31	0.08
B 2	B 2.1	B 2.2	B 2.3	B 2.4	B 2.5	B 2.6	-	-	-	6	9	-	5	8	2
										0.24	0.35		0.20	0.31	0.08
-	-	-	-	-	-	-	B 2.7	B 2.8	B 2.9	8	12	16	6	9	2.5
										0.31	0.47	0.63	0.24	0.35	0.10
B 3	B 3.1	B 3.2	B 3.3	-	-	-	-	-	-	8	12	16	6	9	2.5
										0.31	0.47	0.63	0.24	0.35	0.10
-	-	-	-	B 3.4	B 3.5	B 3.6	B 3.7	B 3.8	B 3.9	8	12	16	7	10	2.5
										0.31	0.47	0.63	0.28	0.39	0.10
B 4	-	-	-	-	-	-	-	-	-	8	12	16	7	10	2.5
										0.31	0.47	0.63	0.28	0.39	0.10
-	B 4.1	B 4.2	B 4.3	B 4.4	B 4.5	B 4.6	B 4.7	B 4.8	B 4.9	8	12	16	8	11	2.5
										0.31	0.47	0.63	0.31	0.43	0.10
B 5	-	-	-	-	-	-	-	-	-	8	12	16	8	11	2.5
										0.31	0.47	0.63	0.31	0.43	0.10
-	B 5.1	B 5.2	B 5.3	B 5.4	B 5.5	B 5.6	B 5.7	B 5.8	B 5.9	10	16	20	10	13	3
										0.39	0.63	0.79	0.39	0.51	0.12
B 6	-	-	-	-	-	-	-	-	-	10	16	20	10	13	3
										0.39	0.63	0.79	0.39	0.51	0.12
-	B 6.1	B 6.2	B 6.3	B 6.4	B 6.5	B 6.6	B 6.7	B 6.8	B 6.9	10	16	20	12	15	3
										0.39	0.63	0.79	0.47	0.59	0.12
B 7	B 7.1	B 7.2	B 7.3	B 7.4	B 7.5	B 7.6	B 7.7	B 7.8	B 7.9	10	16	20	12	15	3
										0.39	0.63	0.79	0.47	0.59	0.12
B 8	-	-	-	-	-	-	-	-	-	10	16	20	12	15	3
										0.39	0.63	0.79	0.47	0.59	0.12
-	B 8.1	B 8.2	B 8.3	B 8.4	B 8.5	B 8.6	B 8.7	B 8.8	B 8.9	12	20	25	15	18	3
										0.47	0.79	0.98	0.59	0.71	0.12
B 9	B 9.1	B 9.2	B 9.3	B 9.4	B 9.5	B 9.6	B 9.7	B 9.8	B 9.9	12	20	25	15	18	3
										0.47	0.79	0.98	0.59	0.71	0.12
B 10	-	-	-	-	-	-	-	-	-	12	20	25	15	18	3
										0.47	0.79	0.98	0.59	0.71	0.12
-	B 10.1	B 10.2	B 10.3	B 10.4	B 10.5	B 10.6	B 10.7	B 10.8	B 10.9	12	20	25	18	22	4
										0.47	0.79	0.98	0.71	0.87	0.16
B 11	B 11.1	B 11.2	B 11.3	B 11.4	B 11.5	B 11.6	B 11.7	B 11.8	B 11.9	12	20	25	18	22	4
										0.47	0.79	0.98	0.71	0.87	0.16
B 12	-	-	-	-	-	-	-	-	-	12	20	25	18	22	4
										0.47	0.79	0.98	0.71	0.87	0.16
-	B 12.1	B 12.2	B 12.3	B 12.4	B 12.5	B 12.6	B 12.7	B 12.8	B 12.9	16	28	36	22	26	4
										0.63	1.10	1.42	0.87	1.02	0.16
B 13	B 13.1	B 13.2	B 13.3	B 13.4	B 13.5	B 13.6	B 13.7	B 13.8	B 13.9	16	28	36	22	26	4
										0.63	1.10	1.42	0.87	1.02	0.16
B 14	B 14.1	B 14.2	B 14.3	B 14.4	B 14.5	B 14.6	B 14.7	B 14.8	B 14.9	16	28	36	22	26	4
										0.63	1.10	1.42	0.87	1.02	0.16
B 15	-	-	-	-	-	-	-	-	-	16	28	36	22	26	4
										0.63	1.10	1.42	0.87	1.02	0.16
-	B 15.1	-	-	-	B 15.5	-	-	-	-	16	28	36	26	30	4
										0.63	1.10	1.42	1.02	1.18	0.16
B 16	B 16.1	-	-	-	B 16.5	-	-	-	-	16	28	36	26	30	4
										0.63	1.10	1.42	1.02	1.18	0.16

3.1

3.2

3.3

3.4

3.5

3.6

3.7

3.8

3.9

3.10



1										2 Dimensions in: millimeters - inches					
d₁ F7 Bore										l₁			d₂ n6	d₃	l₂
...0	...1	...2	...3	...4	...5	...6	...7	...8	...9						
B 17	-	-	-	-	B 17.5	-	-	-	-	16 0.63	28 1.10	36 1.42	26 1.02	30 1.18	4 0.16
B 18	-	-	-	-	-	-	-	-	-	16 0.63	28 1.10	36 1.42	26 1.02	30 1.18	4 0.16
-	-	-	-	-	B 18.5	-	-	-	-	20 0.79	36 1.42	45 1.77	30 1.18	34 1.34	5 0.20
B 19	-	-	-	-	B 19.5	-	-	-	-	20 0.79	36 1.42	45 1.77	30 1.18	34 1.34	5 0.20
B 20	-	-	-	-	B 20.5	-	-	-	-	20 0.79	36 1.42	45 1.77	30 1.18	34 1.34	5 0.20
B 21	-	-	-	-	B 21.5	-	-	-	-	20 0.79	36 1.42	45 1.77	30 1.18	34 1.34	5 0.20
B 22	-	-	-	-	-	-	-	-	-	20 0.79	36 1.42	45 1.77	30 1.18	34 1.34	5 0.20
-	-	-	-	-	B 22.5	-	-	-	-	20 0.79	36 1.42	45 1.77	35 1.38	39 1.54	5 0.20
B 23	-	-	-	-	B 23.5	-	-	-	-	20 0.79	36 1.42	45 1.77	35 1.38	39 1.54	5 0.20
B 24	-	-	-	-	B 24.5	-	-	-	-	20 0.79	36 1.42	45 1.77	35 1.38	39 1.54	5 0.20
B 25	-	-	-	-	B 25.5	-	-	-	-	20 0.79	36 1.42	45 1.77	35 1.38	39 1.54	5 0.20
B 26	-	-	-	-	-	-	-	-	-	20 0.79	36 1.42	45 1.77	35 1.38	39 1.54	5 0.20
-	-	-	-	-	B 26.5	-	-	-	-	25 0.98	45 1.77	56 2.20	42 1.65	46 1.81	5 0.20
B 27	-	-	-	-	B 27.5	-	-	-	-	25 0.98	45 1.77	56 2.20	42 1.65	46 1.81	5 0.20
B 28	-	-	-	-	B 28.5	-	-	-	-	25 0.98	45 1.77	56 2.20	42 1.65	46 1.81	5 0.20
B 29	-	-	-	-	B 29.5	-	-	-	-	25 0.98	45 1.77	56 2.20	42 1.65	46 1.81	5 0.20
B 30	-	-	-	-	-	-	-	-	-	25 0.98	45 1.77	56 2.20	42 1.65	46 1.81	5 0.20
-	-	-	-	-	B 30.5	-	-	-	-	25 0.98	45 1.77	56 2.20	48 1.89	52 2.05	5 0.20
B 31	-	-	-	-	B 31.5	-	-	-	-	25 0.98	45 1.77	56 2.20	48 1.89	52 2.05	5 0.20
B 32	-	-	-	-	B 32.5	-	-	-	-	25 0.98	45 1.77	56 2.20	48 1.89	52 2.05	5 0.20
B 33	-	-	-	-	B 33.5	-	-	-	-	25 0.98	45 1.77	56 2.20	48 1.89	52 2.05	5 0.20
B 34	-	-	-	-	B 34.5	-	-	-	-	25 0.98	45 1.77	56 2.20	48 1.89	52 2.05	5 0.20
B 35	-	-	-	-	-	-	-	-	-	25 0.98	45 1.77	56 2.20	48 1.89	52 2.05	5 0.20
B 36	-	-	-	-	-	-	-	-	-	30 1.18	56 2.20	67 2.64	55 2.17	59 2.32	5 0.20
B 37	-	-	-	-	-	-	-	-	-	30 1.18	56 2.20	67 2.64	55 2.17	59 2.32	5 0.20
B 38	-	-	-	-	-	-	-	-	-	30 1.18	56 2.20	67 2.64	55 2.17	59 2.32	5 0.20
B 39	-	-	-	-	-	-	-	-	-	30 1.18	56 2.20	67 2.64	55 2.17	59 2.32	5 0.20
B 40	-	-	-	-	-	-	-	-	-	30 1.18	56 2.20	67 2.64	55 2.17	59 2.32	5 0.20
B 41	-	-	-	-	-	-	-	-	-	30 1.18	56 2.20	67 2.64	55 2.17	59 2.32	5 0.20
B 42	-	-	-	-	-	-	-	-	-	30 1.18	56 2.20	67 2.64	55 2.17	59 2.32	5 0.20