

Plain & Extractable Taper Pins

The Technifast standard range of plain taper pins are made to DIN 1B, we also offer extractable taper pins to DIN 7977 and 7978.

Standard metric taper pins have a 1:50 taper and the nominal diameter is the small end. To calculate the diameter at the large end, divide the length by 50 and add this figure to the nominal diameter (eg for a 6 x 75; $75/50 = 1.5 + 6 = 7.5\text{mm}$ at the large end). Imperial taper pins have a 1:48 taper and the nominal diameter is the large end.



DIN 1B taper pins are most commonly made in Mild Steel, but we can also manufacture in Stainless Steel 303 and 316. The nominal length excludes the radiused ends.

DIN 7977 extractable taper pins have a male, external thread at one end for extraction purposes. These are made in Mild Steel and Stainless Steel. The nominal length includes the thread.

DIN 7978 extractable taper pins have a female internal thread at one end for extraction purposes. These are made in Mild Steel and Stainless Steel.

Taper Pin Manufacturing

As well as our standard taper pins, we offer non-standard diameters up to a maximum of 32mm. We also offer non-standard taper angles, a ground finish and lengths up to 300mm and can quote for other materials or hardened steel if required.

We welcome enquiries for split taper pins, which can be produced to a customers unique specifications.

Standards

Taper pins are manufactured to several national or international standards, each with slight differences in chamfer forms, tolerances and available materials.

- ◆ DIN 1A—Plain Taper Pin with a ground finish (surface roughness of 0.8
- ◆ DIN 1B—Plain Taper Pin with a turned finish (surface roughness of 3.2
- ◆ DIN 7978—Extractable Taper Pin with a female thread
- ◆ DIN 7977—Extractable Taper Pin with a male thread
- ◆ ISO 2339—As DIN 1B, but length includes crowns
- ◆ ISO 8736—As DIN 7978 with minor tolerance changes
- ◆ ISO 8737—As DIN 7977 with minor tolerance changes
- ◆ BS 46 Pt 3—Imperial Taper Pins
- ◆ BS 1804 Pt 3—Extractable Taper Pins
- ◆ BS 5681—As ISO 2339
- ◆ DIN 258—Variant form of DIN 7977

Materials

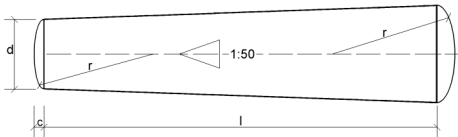
- ◆ Mild Steel
- ◆ Stainless Steel 303
- ◆ Stainless Steel 316

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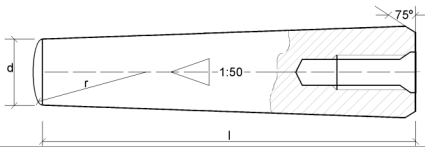
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DIN 1B



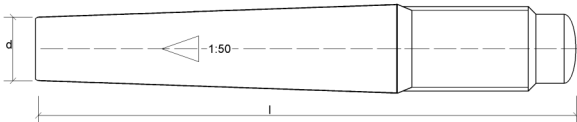
Nominal Diameter 'd', mm	1.5	2	2.5	3	4	5	6	8	10	12	14	16	20
Dimension 'C', mm	0.23	0.3	0.4	0.45	0.6	0.75	0.9	1.0	1.2	1.6	1.6	2.0	2.5
Lengths—from 6mm up to 200, depending on diameter/material. Ask for more information													
Length Tolerance to js15													

DIN 7978 (ISO 8736)
Female Thread



Nominal Diameter 'd', mm	6	8	10	12	14	16	20
Thread Size	M4	M5	M6	M8	M8	M10	M12
Lengths—from 16mm up to 120, depending on diameter/material. Ask for more information							
Length Tolerance to js15							

DIN 7977 (ISO 8737)
Male Thread



Nominal Diameter 'd', mm	5	6	8	10	12	16	20
Thread Size	M5	M6	M8	M10	M12	M16	M20
Lengths—from 40mm up to 160, depending on diameter/material. Ask for more information							
Length Tolerance to js15							