

Pilot pins are essential for the use of annular cutters, as they provide the following practical uses:

- **Centration of cutter**
- **Control of oil flow**
- **Slug ejection**

As plain as a pilot pin may look, all of these uses require high-precision and extremely low tolerances – just to make sure

the centre is exactly the centre, oil flow starts and stops when you need it to, and the slug does not get stuck inside the cutter.

We offer a wide range of pilot pins that match the lengths, diameters and characteristics of our various annular cutters with exactly the required precision to enhance your drilling job in the best way possible.

Overview

Code	Length pin	Diameter pin	Code	Length pin	Diameter pin
IBC.70	77 mm (3")	6.35 mm (1/4")	IBC.K25 ¹	127 mm (5")	6.35 mm (1/4")
IBC.70/2	77 mm (3")	6.35 mm (1/4")	IBC.K50 ¹	155 mm (6 1/8")	6.35 mm (1/4")
IBC.75	90 mm (3 9/16")	6.35 mm (1/4")	IBC.K75 ¹	177 mm (7")	6.35 mm (1/4")
IBC.80	103 mm (4 1/16")	8 mm (5/16")	IBC.K100 ¹	204 mm (8")	6.35 mm (1/4")
IBC.85	90 mm (3 9/16")	8 mm (5/16")	IBC.K110 ¹	159 mm (6 1/4")	6.35 mm (1/4")
IBC.90	102 mm (4")	6.35 mm (1/4")	IBC.2P-130 ²	130 mm (5 1/8")	8 mm (5/16")
IBC.100	122 mm (4 13/16")	8 mm (5/16")	IBC.2P-144 ²	145 mm (5 11/16")	8 mm (5/16")
IBC.110	159 mm (6 1/4")	6.35 mm (1/4")	IBC.157 ²	159 mm (6 1/4")	8 mm (5/16")
IBC.120	120 mm (4 3/4")	6.35 mm (1/4")	IBC.2P-168 ²	170 mm (6 11/16")	8 mm (5/16")
IBC.130	165 mm (6 1/2")	8 mm (5/16")	IBC.2P-205 ²	206 mm (8 1/16")	8 mm (5/16")
IBC.140	150 mm (5 15/16")	8 mm (5/16")	IBC.2P-256 ²	258 mm (10 3/16")	8 mm (5/16")
IBC.150	252 mm (9 15/16")	8 mm (5/16")			
IBC.160	201 mm (7 15/16")	8 mm (5/16")			

For our IBC.70 and IBC.90 pilot pins we also offer sets:

- 3 x IBC.70 3 x IBC.90
- IBC.70-SET** **IBC.90-SET**

¹ Extended pilot pin

Specifically for use with long cutters and drilling in very thick workpieces. Makes it possible to continue drilling without mid-process replacement. Suitable for use with longer cutters as from 75 mm (3").

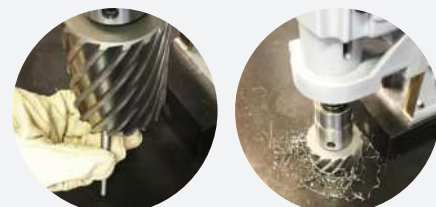
² two-piece pilot pin



Place pilot pin through the shank, and attach extension through the bottom inside of the cutter.



Start drilling. Stop at approx. 50 mm depth.



Remove the extension.

Commence drilling until slug ejection.

Pilot pin features

Precise positioning

- Whilst having a perfect fit the Euroboor pilot pin is your guidance to centre the cutter.



Material

Oil flow regulation

- In standstill position with the cutter above the workpiece, the pilot pin prevents the oil from flowing.
- When moving down the cutter with the pilot pin onto the workpiece to commence drilling, the pilot pin is pushed up into the arbor and permits the oil to flow into the cutter for direct cooling and lubricating.



Material

Slug ejection

- When the cutter is through the material, the pilot pin pushes the slug out of the workpiece by means of the strong spring inside the arbor.
- Consequently the oil flow is automatically cut off.



Material