

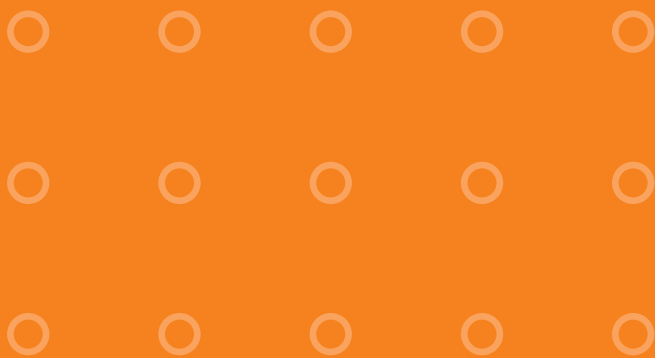
Having an easy time in hard cases

The versatile plug-in dowel system from OBO

Drill, insert, done

Quick installation for the professional

VBS Connection and fastening systems



OBO
BETTERMANN

Putting away everything easily

The system for all cases

Just drill, insert – done

Save time and energy – with the highly flexible plug-in dowel system from OBO. All you need is a drill hole with a diameter of 6 mm. What you get out of it – or better said, put into it – is entirely your business. You can easily insert a wide variety of plug-in dowels into the drill holes by hand – with a minimum of effort.

Installation step 1

Drill a hole with a diameter of 6 mm. If necessary, clean the drill hole.



Installation step 2

You can now insert the plug-in dowel into the drill hole – without an additional tool. Done!



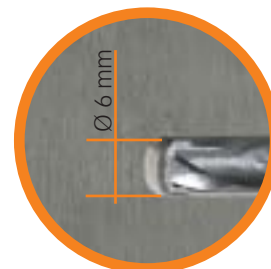
Always fits

The front part of the plug-in dowel compresses at the front and can be optimally inserted in the drill hole.

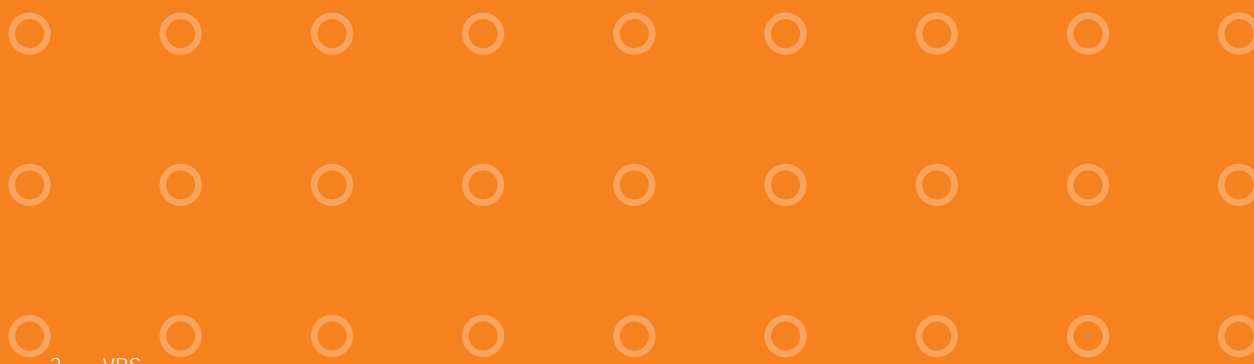


Firm and secure

The special wedge shape at the front of the dowel allows optimum extraction values to be achieved. The plug-in dowel fits firmly and securely in the drill hole.



The diameter of the drill hole is 6 mm for all the plug-in dowels.



Always the right choice

The system is suitable for a host of applications, for solid masonry walls made of concrete, lime sandstone, brick and aerated concrete, as well as for intermediate walls – for both cables and conduits, for both rigid and flexible electrical installation pipes. Your installations can always handle extremely high loads: they can easily withstand extraction values of up to 500 N.

As you are accustomed to with OBO, you also have a complete system with perfectly coordinated elements available. The products are manufactured from polyamide and are, of course, halogen-free.



Concrete wall
Lime sandstone wall
Brick wall
Aerated concrete



Pressure clip type 2033 STD

Pressure clips for cables and conduits in false ceilings. Pressure clips are inserted into the drill hole and fastened. The individual conduits are then passed under both supporting arms using the proven "lasso technique", which is child's play thanks to the tapered ends.

Model

Art. no.

2033 STD

PA

2204 54 1

With a moulded-on plug-in dowel, diameter 6 mm for max. 16 conduits NYM 3 x 1.5 mm².

In a flame-retardant version on request.



Complete range, part 1

Plug-in dowels and clamps



Single push-fit clip type 1974

The push-fit clip for installing one row of cables and conduits or rigid and flexible pipes. The clip can be used in false ceilings, wall channels and topping-covered concrete floors. First, briefly position the conduits or pipes, then insert the clip into the drill hole – and tackle the next task.

Type	Clamping range mm	Art. no. PA
1974/23	16–23	2197 80 4
1974/30	22–30	2197 81 2



Double push-fit clip type 1974/2

The double push-fit clip for installing two rows of cables and conduits or rigid and flexible pipes. It is used the same way as the single push-fit clip type 1974.

Type	Clamping range mm	Art. no. PA
1974/2 x 12	4–12	2197 85 5
1974/2 x 25	12–25	2197 86 3





BKS clamp type 1973

This clamp is suitable for not only individual cables and conduits but also for conduit bundling and flexible pipes. It can be used in false ceilings, the plaster undercoat, wall channels and topping-covered concrete floors covered. The BKS clamp is bent open, placed around the conduits and then inserted together in the drill hole.

Type	Clamping range mm	Extraction values	Art. no.
			PA
1973/13	3–13	500 N	2148 80 3
1973/28	8–28	500 N	2148 84 6
1973/40	20–40	500 N	2148 86 2



Plug-in dowel M6 model SQ/PP

The plug-in dowel for surface-mounted installations with starQuick clips in connection with the starQuick fastening nut M6. Simply insert the starQuick nut in the starQuick clip, turn the plug-in dowel in the thread and put everything in the drill hole together – and you've already taken care of the matter.

Type	Clamping range mm	Art. no.
		PA
SQ/PP	6 x 30	2351 70 6



Complete range, part 2

Plug-in dowels and snap clips



Plug-in dowel type/STP

The plug-in dowel for mounting wall signs, for example. Position the wall sign, insert the plug-in dowel through the mounting holes into the drill holes: that's all. Also suitable for surface-mounted installations with wall and ceiling ducts.

Type	Clamping range mm	Art. no.
910/STP	6 x 30	2351 41 2



Plug-in dowel for cable tie type 1910/STK

This plug-in dowel is equally suitable for installing and bundling cables and conduits and for rigid and flexible pipes. It can be used in connection with conventional cables ties up to 9 mm wide in false ceilings, wall channels and topping-covered concrete floors.

Type	Clamping range mm	Cable tie width mm	Art. no.
910/STK	6 x 30	2-9	2351 60 9





Snap type 1975

The clip for rigid and flexible pipes in false ceilings. Pipes are placed in the snap and inserted together into the drill hole. The compressed dowel on the bottom of the clip gives the pipes a particularly good fit.

Type	Clamping range mm	Extraction value	Art. no.
			PA
1975/15	12–15	90 N	2148 02 1
1975/19	16–19	150 N	2148 04 8
1975/22,5	19–22.5	90 N	2148 05 6



Quick close clip type 1976

The clip for rigid and flexible pipes in false ceilings and wall channels. It is used the same way as the snap type 1975. Furthermore, the pipes are secured here by a snap-in joint.

Type	Clamping range mm	Extraction value	Art. no.
			PA
1976/15,5	12.5–15.5	190 N	2148 50 1
1976/21,5	16.5–21.5	500 N	2148 52 8
1976/28,5	22.5–28.5	500 N	2148 53 6



Always: OBO

Offering intelligent and practical solutions with a future for all applications in electrical installation – that is our claim. The flexible plug-in dowel system from OBO can be used for a hosts of applications. The starting basis is always a bore hole with a 6-mm diameter. You can easily insert a wide variety of dowels into the hole by hand, saving up to 50% of your time. The results can always handle extremely high loads – up to 500 N. Of course, this system also has all the accessories you need for quick, perfect installations – just as you are accustomed to from us in our capacity as the leading provider of installation technology. You can find all further information in the OBO VBS catalogue.



OBO. Used by professionals.



VBS TBS KTS BSS LFS EGS UFS

OBO BETTERMANN GmbH & Co.
P.O. Box 1120 · 58694 Menden/Germany
Phone +49 (0)23 73/89-0
Fax +49 (0)23 73/89-238
E-mail info@obo.de
www.obo-bettermann.com

Central technical hotline
Phone +49 (0)23 73/89-1500
Fax +49 (0)23 73/89-1550
E-mail hotline@obo.de

OBO
BETTERMANN