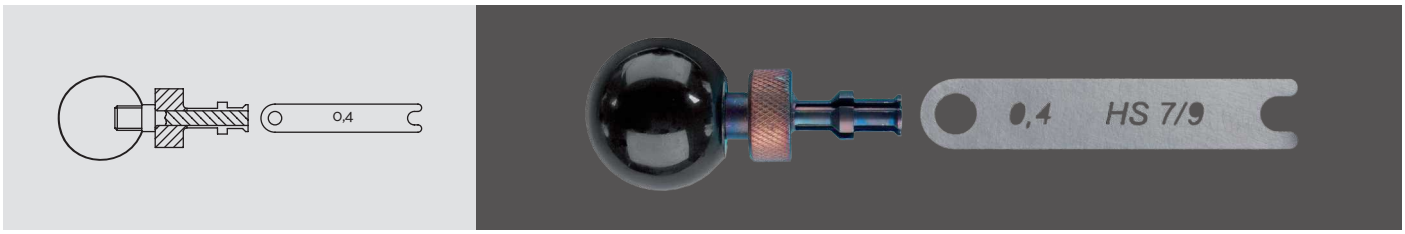
DEPTH CONTROL GUIDE



Product information

Checking the undercut hole

- With this measuring device all significant dimensions of the drill hole are inspected, the insertion depth is set and the life time of the façade drill bit is monitored. Every KEIL undercut anchor has its own depth control guide with feeler gauge.

h_S = insertion depth [mm]	D1 = drill hole Ø [mm]	h_Z = [mm]	article no.
4.0	7.0	0.5	585 100 040
5.5	7.0	0.8	585 100 055
7.0	7.0	0.8	585 100 070
8.0*	8.0	0.5	585 100 080
8.5	7.0	0.8	585 100 085
10.0	7.0	0.8	585 100 100
11.5	7.0	0.8	585 100 115
13.0	7.0	0.8	585 100 130
15	7.0	1.3	585 100 150
20.0	9.0	1.5	585 102 200

Usage

- Inspection of the undercut hole.
- Monitoring of the life time of the façade drill bits.

Possible applications

- Depth control guide fitting for the insertion depth of the undercut anchor.

Accessories

- Washer for depth control guide (p. 59)

Design

Depth control guide with feeler gauge

Note

- For measuring undercut holes in uneven panel back sides we recommend using the 3 mm washer in combination with a 3 mm longer depth control guide.
- * depth control guide for square anchor

Instructions for use

- Use according to inspection instruction and according to approval and depth control guide information. (p. 57)

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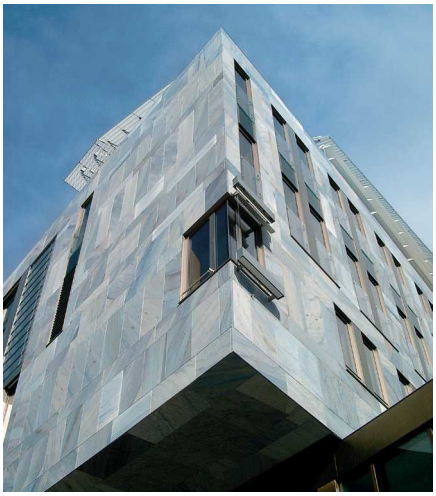
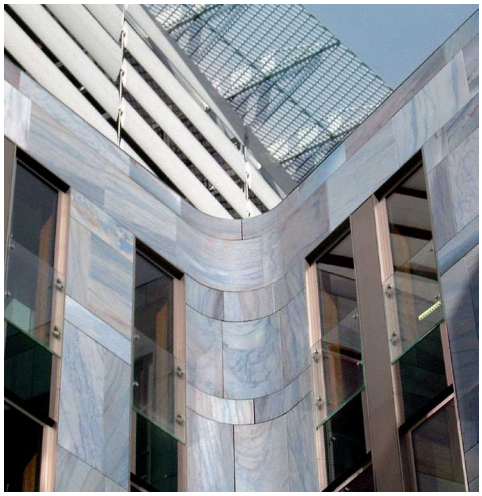


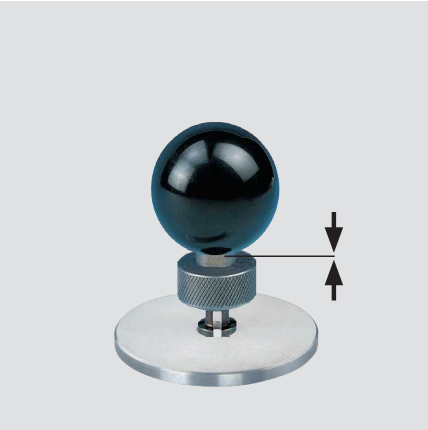


DEPTH CONTROL GUIDE

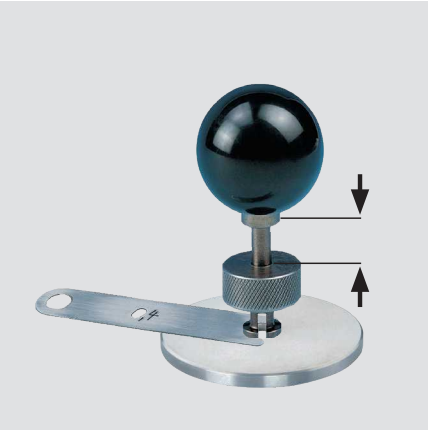
Inspection of the undercut hole

For inspecting all significant dimensions of the drill hole, setting the insertion depth and monitoring the life time of the façade drill bits. Every KEIL undercut anchor has its own depth control guide with feeler gauge.

Place base of depth control guide in undercut drill hole.

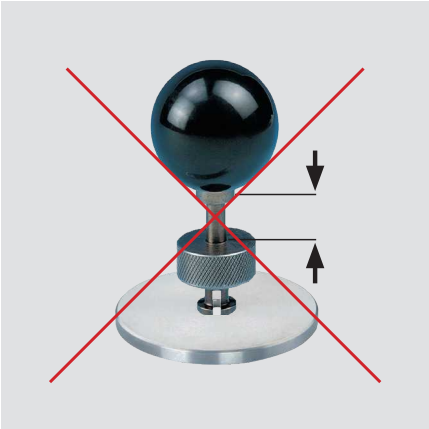


Inspection 1: insert bolt to stop.



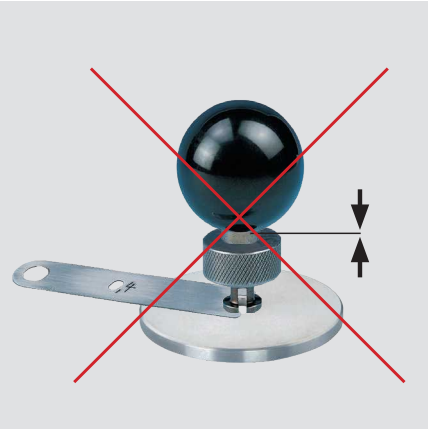
Inspection 2: push in feeler gauge between panel and depth control guide base. If the bolt now **cannot** be pushed in to the base, the drill hole is in order.

Not properly executed drillings



Depth control guide cannot be inserted without feeler gauge.

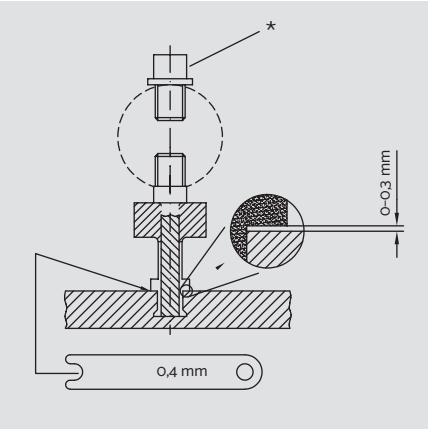
Error:
Drill hole too deep or lack of undercut.



Depth control guide can be pushed to stop although feeler gauge has been inserted.

Error:
Drill hole not deep enough.

Depth control guide geometry



*optional tester for max. cylindrical drill hole diameter (alternatively internal cylindrical gauge)

Control of depth control guide (simple and fast control by user)

- Monitoring of the undercut diameter via fitted hole in the sensor.
- Insert base of depth control guide into the fitted hole in the sensor.
- Push in bolt to stop.
- If the depth control guide can now be pulled out of the drill hole, it will need to be replaced.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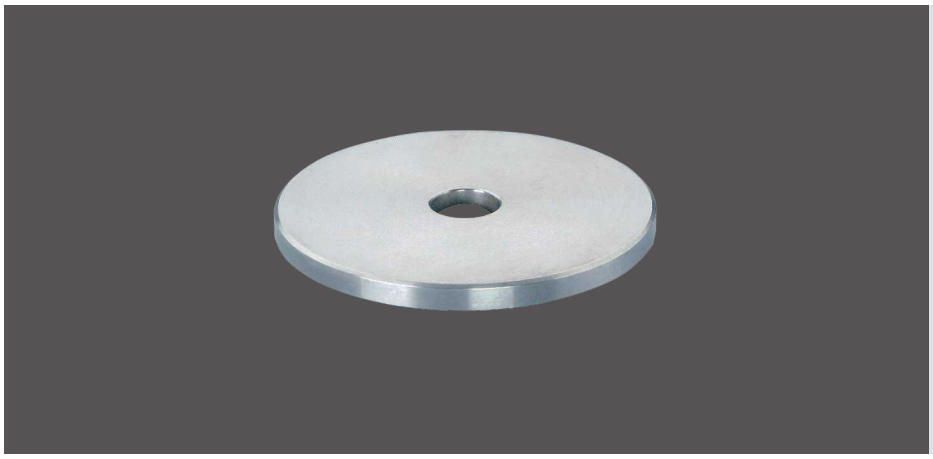
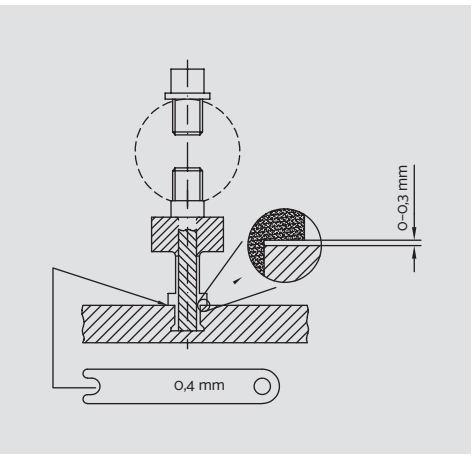
WASHER FOR DEPTH CONTROL GUIDE





article no.
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Usage

- In connection with depth control guide (h_S + 3 mm)

Possible applications

- For façade panels with textured back sides

Design

Stainless steel washer for depth control guide

- Thickness 3 mm, Ø 40 mm

Product information

- For textured back sides of façade panels (e.g. made of ceramics). The washer generates a reference surface for setting the insertion depth h_S.
- As the washer is 3 mm thick, a bigger depth control guide with a 3 mm longer insertion depth needs to be employed.
- The measuring process for the inspection of the undercut hole will proceed as described for the depth control guide, placing the feeler gauge between washer and depth control guide.

Example:
For an insertion depth of h_{SP} = 7 mm within the panel using the 3 mm washer, a depth control guide with an insertion depth h_S = 10 mm needs to be employed.

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