



Straumann® Drill Stop
Basic Information

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1. Straumann® Drill Stop – Precise depth control

The Straumann® Drill Stop provides precise depth control over drilling depth during implant bed preparation for the placement of Straumann® dental implants. The drill stop restricts drilling deeper than the predefined depth, to be used in sensitive indications to avoid the mandibular nerve or sinus floor.

All drill stops allows fast and secure mounting and dismounting manually or with a drill stop aid. Color-coding allows easy identification of diameter size.

Delivered in sterile sets, the Straumann® Drill Stop is designed for single-patient use only and must be used in conjunction with drills specifically designed for them.

- Multi use VeloDrill™, short
- Single patient drills, drill stop compatible, short



Drill stop set for drills \varnothing 2.2 – \varnothing 4.2



Wide drill stop set for drills \varnothing 4.7 – \varnothing 6.2

1.1 Straumann® drill stop types

There are five Straumann® Drill Stop types available (A, B, C, D and E). The drill stop type is determined according to the related drilling depth.

Applying the following reference chart, you can establish which drill stop type can be used in preparing the implant bed depth with the short drill.

- Step 1: Determine the implant bed depth (4, 6, 8, 10, 12 mm)
- Step 2: Choose the short drill length
- Step 3: Match the implant bed depth to the drill stop type as shown in the reference chart

Example (marked red in the figure below):

Preparing a 12 mm implant bed with a short drill requires a Straumann® Drill Stop type A

Short drill	
Implant bed depth	Drill stop type
12 mm	A
10 mm	B
8 mm	C
6 mm	D
4 mm	E

For drill diameters larger than \varnothing 4.2 mm, a wide drill stop set should be used. The wide drill stop set also has five types available (A, B, C, D and E) for different implant bed depths.

Important

Straumann® drill stops are not indicated for:

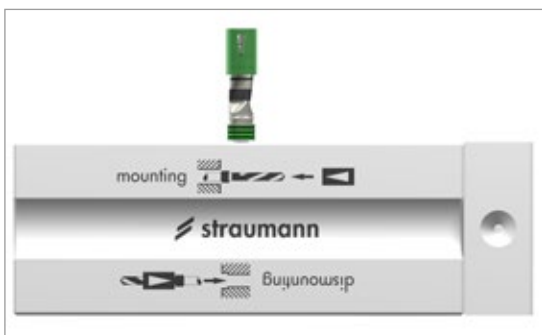
- extraction sites, where the bone cavity is often wider than the diameter required to hold the drill stop.
- use with drill guide template, due to the interference with the guide template

2. Straumann® Drill Stop Aid

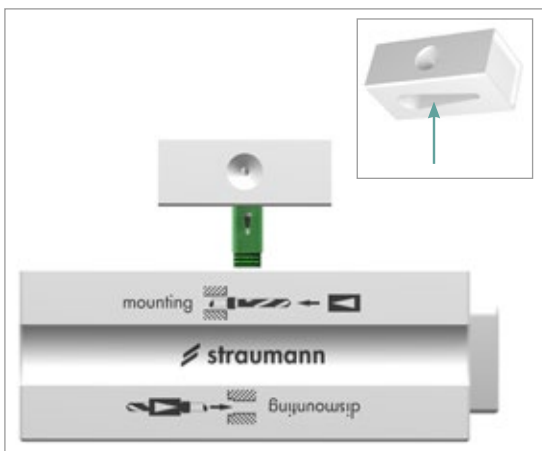
The Straumann® Drill Stop Aid facilitates safe mounting and dismounting for all Straumann® Drill Stop types. It can be used for multiple applications, but must be cleaned and sterilized prior to each use.



2.1 Mounting the Straumann® Drill Stop



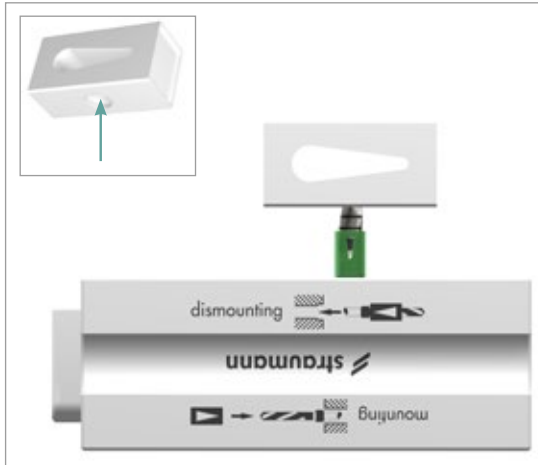
1. Insert the drill shaft into the Straumann® Drill Stop Aid hole located on the surface of the Drill Stop Aid marked “mounting”.



2. Apply the drill stop onto the cutting part of the drill, with the arrow direction pointing towards the dental coupling.
3. Use the wide cavity of the drill tip protection part to apply force, until a click is heard.
4. Verify that the Straumann® Drill Stop is secured on the drill and aligned with the correct laser markings on the drill.




2.2 Dismounting the Straumann® Drill Stop

To dismount the drill stop from a drill that will continue to be used in the same procedure, care should be taken to protect the drill tip from damage. Be sure to dismount the drill stop using the drill tip protection.



1. Insert the drill shaft into the Straumann® Drill Stop Aid marked dismounting. Insert into the hole with the designated drill diameter.
2. Use the narrow cavity of the drill tip protection part to apply force to the drill tip, until a click is heard.
3. Remove the detached drill stop from the drill.

3. Article list

Art. No.	Article	Picture
040.584S	Drill Stop Set, Type A, for drill Ø 2.2-4.2 mm, short 12 mm	
040.585S	Drill Stop Set, Type B, for drill Ø 2.2-4.2 mm, short 10 mm	
040.586S	Drill Stop Set, Type C, for drill Ø 2.2-4.2 mm, short 8 mm	
040.587S	Drill Stop Set, Type D, for drill Ø 2.2-4.2 mm, short 6 mm	
040.588S	Drill Stop Set, Type E, for drill Ø 2.2-4.2 mm, short 4 mm	
040.589S	Drill Stop Set, Type A wide, for drill Ø 4.7-6.2 mm, short 12 mm	
040.590S	Drill Stop Set, Type B wide, Ø 4.7 - 6.2 mm, for drill Ø 4.7-6.2 mm, short 10 mm	
040.591S	Drill Stop Set, Type C wide, Ø 4.7 - 6.2 mm, for drill Ø 4.7-6.2 mm, short 8 mm	
040.592S	Drill Stop Set, Type D wide, Ø 4.7 - 6.2 mm, for drill Ø 4.7-6.2 mm, short 6 mm	
040.593S	Drill Stop Set, Type E wide, Ø 4.7 - 6.2 mm, for drill Ø 4.7-6.2 mm, short 4 mm	
040.594	Drill Stop Aid	

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