

Application Procedure Specification Dhatec PVC Plug with Bevel Protector

Dhatec Document No.: DHA415-APS-PLVC

Rev.	Date	Status	Prepared by	Reviewed by	Approved by
00	18.10.2016	For Construction	D. Neutkens	C. Kouamé	C. Kouamé
01	31.11.2016	For Construction	D. Neutkens	M. Hol	N. Kuijper
02	29.01.2018	For Construction	M. Voets	M. Bayens	M. Bayens

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Elskensakker 8, NL-5571 SK
Bergeijk, The Netherlands

Tel +31 497 542 527
Fax +31 497 555 399
Email info@dhatec.nl
Web www.dhatec.nl

Change Record

Rev.	Description of Revision
00	First Issue
01	Position of the opening in the rubber tendon
02	Font style

General Information

Equipment	PCV Plug with Bevel Protector
Supplier Name	Dhatec B.V.
Telephone No.	+31 497 542 527
Fax No.	+31 497 555 399
Contact email address	info@dhatec.nl

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Do not carry out any repairs or modifications on the equipment without consulting Dhatec B.V., doing so will invalidate the guarantee. The guarantee is also invalidated if accidents and damage of any form are caused as a result of improper use and/or not obeying the warnings in general as explained in this user guide. Dhatec B.V. accepts no responsibility for any personal accidents as a consequence of not following the safety instructions and warnings. This is also the case for consequential loss in any form.

Safety Requirements

These are general guidelines, all personnel involved should adhere to the safety requirements of the particular location at which they are performing their operations.

Dhatec recommends wearing of suitable PPE while handling their products. This includes gloves, safety shoes, safety glasses, safety helmet, hearing protection and suitable work clothing.

The working areas should be kept tidy at all times in order to minimize the risk of trips and slips.

All personnel involved should use suitable manual handling techniques and follow industry recommended guidelines for lifting and moving, such as those described in “Ergonomic Guidelines for Manual Material Handling” published by the National Institute for Occupational Safety and Health (Publication 2007-131), or those otherwise prescribed by the client.

Required Equipment

The equipment needed to apply and remove the PVC Plug with Bevel Protector is Dhatec Clamping Tool Bevel Protector and /or Dhatec Bevel Protector Toolset. Also, the Dhatec Third Hand Tool can be used.

Item No.	Tool elements	Function
1	Operating switch	Actuating the compression process
2	Reset knob	Slider for opening the release valve for returning the tool to its starting position
3	Compression cylinder	Working unit for holding the jaw set
4	Protection	To avoid finger trapping
5	Battery	Rechargeable Li-ion battery
6	Battery locking	Release knob for battery
7	Jaw set	Jaw set for Clamping Clip
8	Red LED	Information on the battery charge levels and tool maintenance
9	White LED	LED for workplace lighting

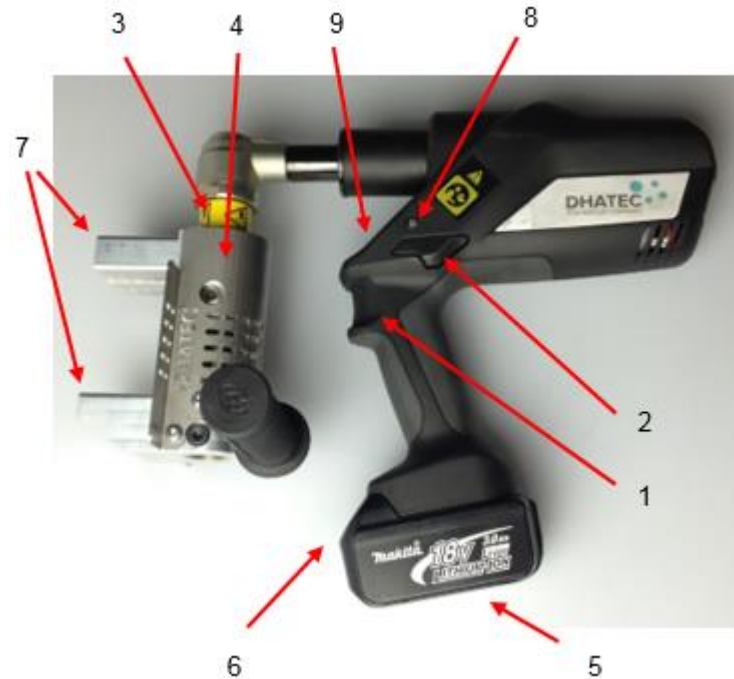


Figure 1. Clamping Tool Bevel Protector



Figure 2. Bevel Protector Toolset



Figure 3. Third Hand Tool

PLEASE READ THESE INSTRUCTIONS BEFORE APPLYING THE PVC PLUG WITH BEVEL PROTECTOR.

Placing the PVC Plug with Bevel Protector in the pipe end

Place the PVC Plug into the pipe end. Make sure it fits in as straight as possible. An advice is to make sure the opening in the rubber tendon is placed in the pipe at “6 o'clock”.

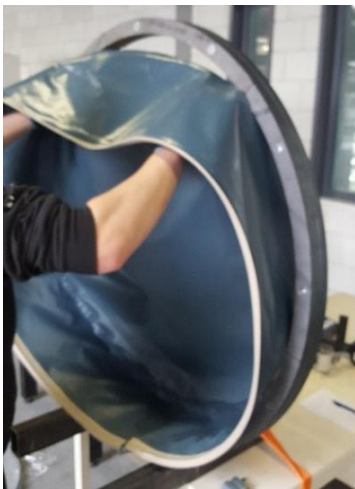


Figure 4.



Figure 5.



Figure 6.

Place the Bevel Protector inside the PVC Plug. Make sure that the tops of the PVC Plug and the Bevel Protector connect tightly with the pipe end. When this is reached, place the Third Hand Tool over the parts. Adjust the tool such that the two handle bars are parallel when you release it (Figure 8). Also check if the beak of the tool connects with the Bevel Protector (Figure 8, arrow).



Figure 7.



Figure 8.

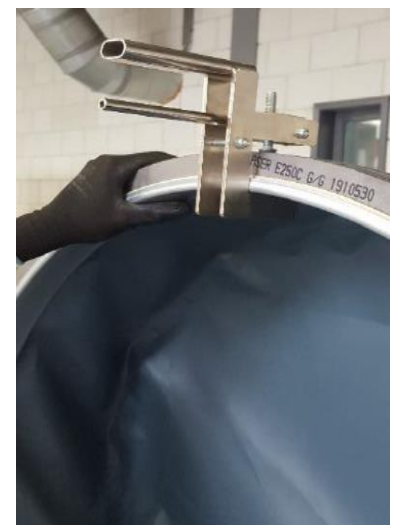


Figure 9.

Applying the Clamping Clip in the Bevel Protector

Place the Bevel Protector as described before. Lift the right side of the Bevel Protector slightly out of the pipe and fit a Clamping Clip diagonally in between both lips (Figure 11, 12) .



Figure 10.



Figure 11.



Figure 12.

Push from below and in front of the Bevel Protector to move the right end of the Bevel Protector back in position. It also helps to push against the front of the clip when necessary (Figure 13). Push the Clamping Clip as far backwards as possible. Push and knock on the circumference of the pipe to make sure that the Bevel Protector is fitted as deeply in the pipe end as possible.



Figure 13.



Figure 14.

Flattening the Clamping Clip by using Dhatec Clamping Tool Bevel Protector

First, make sure the Clamping Tool Bevel Protector is held correctly on the hand grips (Figure 15). Place the top beak over the Clamping Clip, and the bottom beak over the pipe end. Make sure the protection plate makes contact with the Bevel Protector (Figure 16).



Figure 15.



Figure 16.

Push the operation switch to flatten the Clamping Clip (Figure 17). Hold the switch until the top beak goes up by itself. When the beak is starting to go up, loose the operation switch and take the Clamping Tool of the Clamping Clip and pipe end.



Figure 17.

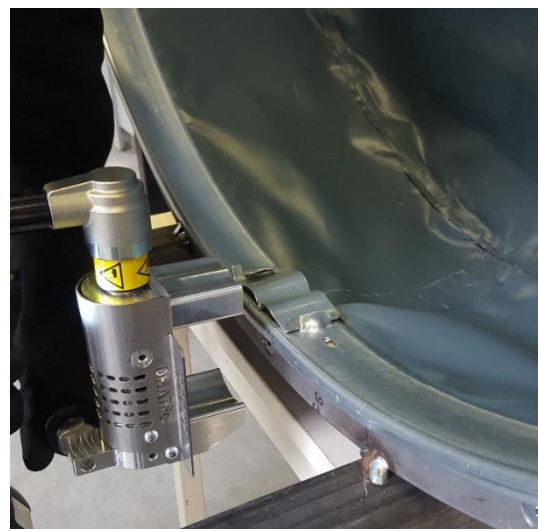


Figure 18.

Flattening the Clamping Clip by using Dhatec Bevel Protector Toolset

Hit the hammer on one of the two humps, followed by a hit on the other hump.



Figure 19.

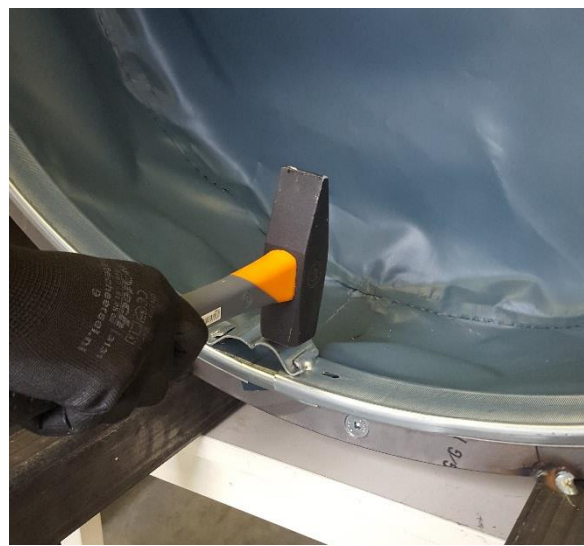


Figure 20.

Do this over and over until the Clamping Clip is flattened



Figure 21.



Figure 22.

Removal of the Clamping Clip

For removal of the clamping clip, use Dhattec Bevel Protector Toolset. Place the chisel underneath the clip and push it down (Figure 25, 26). The clip should pop out. Keep in mind you never re-use a clip.



Figure 23.



Figure 24.



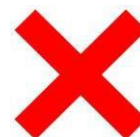
Figure 25.



Figure 26.

Guidelines to check if PVC Plug with Bevel Protector is applied properly

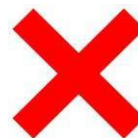
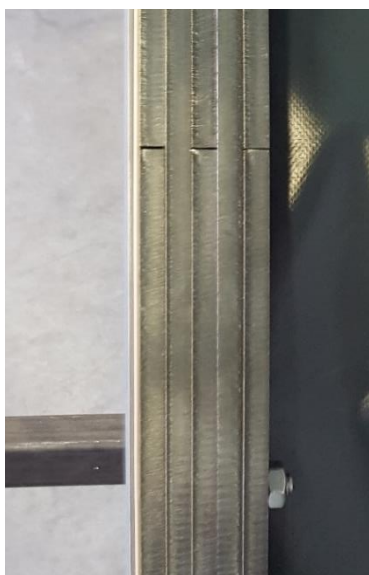
When the Bevel Protector Toolset is used, the Clamping Clip should be hammered down equally. When the Clamping Tool Bevel Protector is used, the clip should always be flattened equally. To be sure, check once more:



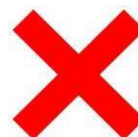
The Bevel Protector should always be fully positioned inside the PVC-Plug:



Make sure the PVC Plug and Bevel Protector connect tightly with the pipe end. No slit may be seen.



Make sure the Clamping Clip is correctly placed in the Bevel Protector.



DON'T FORGET TO CHECK IF THE BEVEL PROTECTOR IS SECURE ENOUGH FOR ITS PURPOSE AND IF IT WILL WITHSTAND VIBRATIONS DURING TRANSPORT OF THE PIPES!

This instruction manual is put together with great care. When safety risks and issues are noticed which are not covered by this instruction, please contact Dhatec to share this remark.