

Peeling and Stripping Tool for HV Cables Series CP185

Application

CP185 is intended for removing the outer semicon of very large HV cables with a diameter of more than 130 mm across the outer semicon on the main insulation.

Some cables have a firmly bonded outer semicon layer on the cable jacket. This layer is needed for testing the cable jacket with DC voltage. CP185 is well suited for removing this layer in the area where the joints or terminations are mounted.



Main Benefits

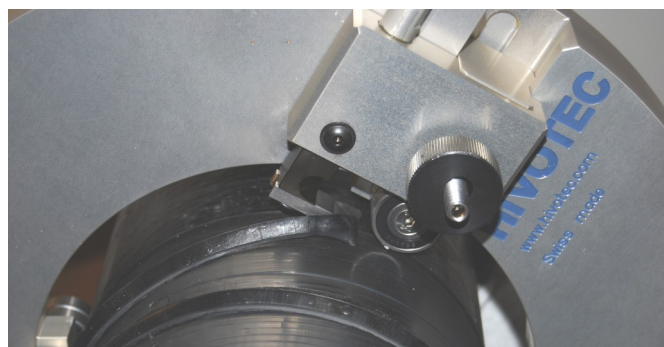
- One tool, 3 operations: Peeling of semicon on jacket, peeling of semicon on insulation and insulation stripping
- Equipped with guiding rollers, no greasing of cable surface needed
- Very smooth insulation surface, no regrinding needed
- Smooth transition between insulation and semicon, typically no rework is needed
- Wide range of cable diameters of 125 to 185 mm
- Easy ergonomic handling



C213.3E

Peeling of Bonded Semicon on Cable Jacket

For this process an L-shaped knife is used. This allows to peel the bonded semicon on the jacket made typically out of HDPE, without too much force. The smoothness of the peeled surface and the transition is not an issue.



Peeling of Bonded Semicon on Main Insulation

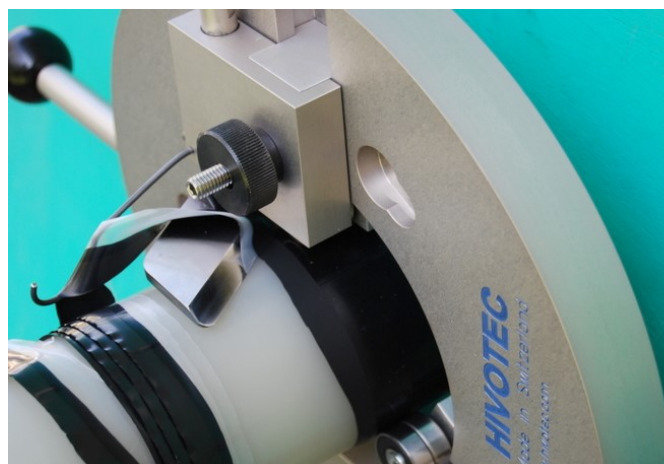
The peeling depth can easily be adjusted with the fine adjustment screw.

As the peeling knife is firmly fixed to one of the rollers running on the surface of the cable, the knife follows exactly the contour of the cable, even if it is not completely round.

The feed for the peeling process is built into the guiding rollers.

The special shape of the knife provides a very smooth surface on the insulation.

The transition between insulation and semicon has an angle of some 6-10 °. This provides a perfect fit for slip-on terminations and joints. As a general rule, rework with polishing sand paper or similar means is not needed.



Main Technical Data

CP185

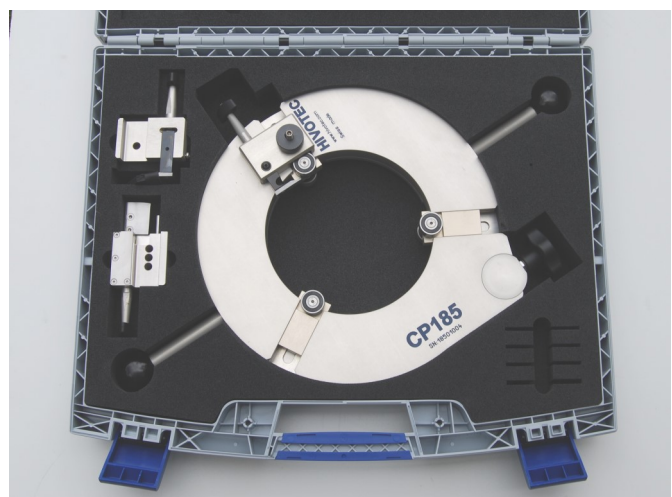
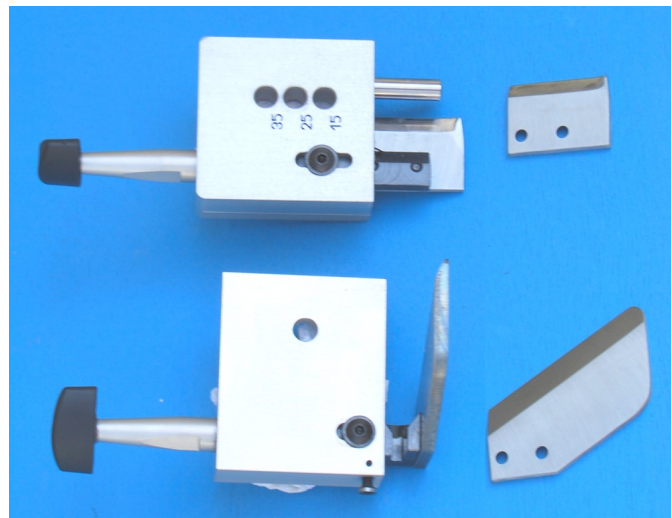
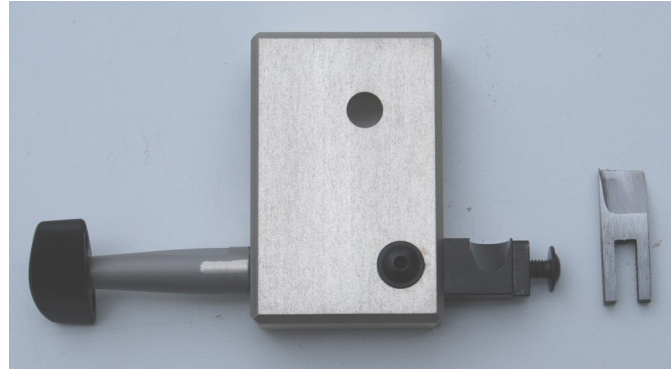
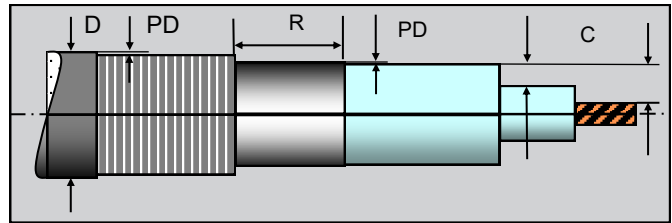
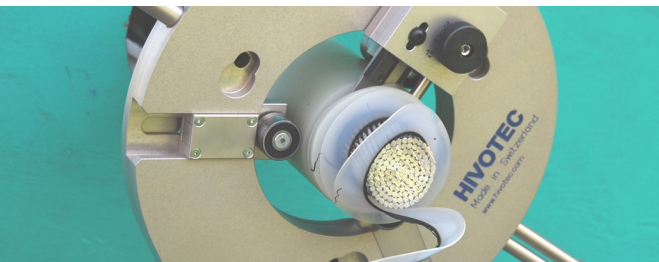
Range of cable diameter D	mm	125...185
Weight of tool	kg	5.5
Max. peeling depth with flat knife	mm	2
Max. peeling depth with L-knife PD	mm	5
Min. length of remaining semicon R	mm	70
Cutting depth for insulation C	mm	5...35
Gross weight	kg	~9.0
Dimensions of carton box WxLxH	cm	48x58x17

Stripping of Insulation

The cutting depth C can easily be adjusted to the thickness of the insulation.

The insulation stripping knife arrangement is such that the thickness of the shaving is always constant. This allows to operate the tool with constant force.

The stripping knife can also be used for cutting a stepped insulation.



Scope of Supply

- 1 Toolbox
- 1 Base tool with knives for peeling and stripping
- 1 Instruction manual English
- 1 Spare L-knife for peeling LK-CP
- 1 Spare flat knife for peeling FK-CP
- 1 Spare knife for stripping insulation IK-CP

Options

- 1 Set of 3 spare L-knives for peeling, LK-CP
- 1 Set of 3 spare flat knives for peeling, FK-CP
- 1 Set of 3 spare knives for stripping, IK-CP

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