



## Ausrüstung für Arbeiten unter Spannung an Freileitungen bis 36 kV

Equipment for  
up to 36 kV

Live Working at overhead lines



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Arbeiten mit Isolierhandschuhen

Insulating glove working

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Arbeiten auf Abstand

Hot stick working

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Vogelschutz

Bird protection

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the strong  
**Partner**  
for your  
**Safety**

# Medium Voltage - Overhead line

## bird protection

### bird protection attachment rod

- to mount bird protection cover via vacuum suction
- vacuum generated via supply unit, not in scope of delivery
- insulating pipe  $\varnothing$  30 mm with inner insulating hoses
- individual adjustable via variable gear coupling
- adjustable mounting of the suction cups
- activation of the suction mechanism via pressure valve in the range of the handle
- adjustable via mounting bracket
- can be hooked in to the mast crossbar via attachment rod
- mounting bracket 30 mm, adjustable (order nr. 7480130) not included in delivery
- with limiting disc and red ring, insulating length 525 mm
- attachment-rod to mount bird protection covers of ladders



1 1,0 Stck. 7495201 : storage bag for rod - bird protection

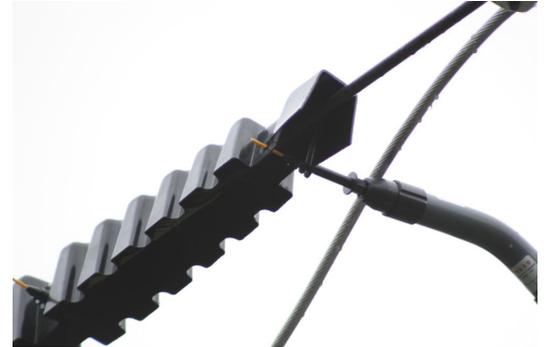


 36 kV

Description	Material number
attachment-rod up to 36 kV for bird protection covers	7495200

## cordless screwdriver

- insulating cordless screwdriver to screw in the fixing bolt
- exactly screw-in possible in connection with extension
- outer-pipe and inner shaft are out of insulating material
- with limiting disc and red ring, insulation length 525 mm
- drive via 12 V battery-system in connection with supply unit
- mounting of special screw possible from the ladder and uninsulated riser
- insulating pipe  $\varnothing$  30 mm
- attachment-rod can be hooked-in the mast crossbar via angle 30 mm, adjustable (angle order nr. 7480130 no included in delivery)
- extension outer pipe and inner shaft out of insulating material
- extension to complete the bird protection cordless screwdriver
- angle-extension 90° serves to transfer the force between: cordless screwdriver (nr. 7 495 400) and working head (nr. 7 495 014)
- out of insulating material with inner plastic-angular-transmission
- low friction, high force transmission
- without attrition
- working head to connect to angle extension nr. 7 495 013
- three-dimensional adjustment of the working head possible at working place
- with AF 13 to taking up the fixing bolt (nr. 7 990 000 to bird protection covers)



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Description	Material number
cordless screwdriver- set up to 36 kV for bird protection	7495250
cordless screwdriver bird protection	7495400
extension for screwdriver, 0,5m up to 36 kV	7495405
extension for screwdriver, 1 m up to 36 kV	7495410
angle-extension 220 x 120 mm up to 36 kV	7495420
working head angled 90 ° up to 36 kV	7495014

## operating rod with universal gear coupling

- with universal gear coupling
- operating rod extendible via extensions
- also working head can be mounted with the coupling
- insulating pipe  $\varnothing$  30 mm



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Description	Material number
operating rod bird protection 2,0 m with gear coupling 36 kV	7810150
extension operating rod 0,5 m bird protection up to 36 kV	7810050
extension operating rod 1,0 m bird protection up to 36 kV	7810100

## insulated mirror

- as insulating material with mirror glass ø 135 mm
- glass insulated, also when damaged
- to check hidden components or damage in overhead line installations
- gear coupling for extensions and handles



 36 kV

Description	Material number
insulated mirror overhead-line with gear coupling up to 36 kV	7480125

## cutting-rod for screws

- to cut off bird protection covers
- out of insulating material, foam filling, color orange
- metal cut-head to cut off screws
- head designed to cut screws and not to damage the conductor
- transfer cut-mechanism with additional insulating rod ø10 mm
- operate shear-head via lever mechanism
- with limiting disc and red ring
- storage bag available



Description	Material number
cutting-rod disassembling bird-protection-cover up to 24 kV	7490100
storage bag 2,6m for cutting rod	7945200

## mounting bracket, adjustable

- to hook-in bird protection equipment to crossbars and masts
- out of insulating material
- equipment will be fixed to the outer insulating pipe
- individual adjustment via locking bolt



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Description	Material number
mounting brackets, adjustable 32 mm for operating rod bird protection	7480132
mounting brackets, adjustable 30 mm for operating rod bird protection	7480130
mounting brackets, adjustable 38 mm for operating rod bird protection	7480138

## silicone cloth

- cotton impregnated with silicone
- used to siliconise insulated parts of handles and covers
- delivered in plastic bag



Description	Material number
silicone cloth 30 x 40 cm	7900001

### pruning-set

- to cut free LV and MV overhead lines

Scope of delivery:

1. 1 pce - extension with gear coupling 1,2 m
2. 5 pce - extension 1,20 m
3. 1 pce - pruning saw
4. 1 pce - pruning shear
5. 1 pce - switching rod, non-metallic
6. 1 pce - switching rod, metallic
7. 1 pce - pistol handle for pruning saw
8. 1 pce - storage bag



 36 kV

Description	Material number
pruning set, including storage bag	7510010
storage bag for live working pruning set	7510014

### telescope rod, insulating

- length: 1,80 m (retracted)
- extendible up to 10,6 m
- mounting of test probes via gear coupling
- fiberglass reinforced polyester pipe  $\varnothing$  27 - 63 mm



 36 kV

Description	Material number
telescopic rod, insulating up to 36 kV with gear coupling and scale up to 10,6m	7510020
storage bag 1,8 m with pocket for telescope measuring rod	7510021