

Earthing Rods, single-section

SAFETY EQUIPMENT

EARTHING AND SHORT-CIRCUITING DEVICES

T pin shaft according to DIN 48087

- For earthing and short-circuiting devices
- Available in different lengths
- Light-weight construction
- Hexagon shaft (width across flats 19 mm) or T pin shaft



Earthing rod for attaching an earthing and short-circuiting device to an installation.

Earthing rods are portable insulating rods for approaching the connecting components of earthing and short-circuiting devices to parts of electrical power installations for earthing and short-circuiting purposes. They consist of an insulating part, black ring, handle and coupling for attaching connecting components. Earthing rods have to be selected according to the **weight** of the earthing and short-circuiting device (see also "max. load on the operating head in kg"). The **insulating part** is the part of the earthing rod between the black ring and the end of the earthing rod in the direction of the connecting component. It provides the user with the necessary safety distance and sufficient insulation. The insulating part must have a minimum length of 500 mm.

Technical Data

Insulating tube	Glass-fibre reinforced polyester tube, Ø30 mm, yellow
Clamp coupling	Plastic, yellow
Sealing unit	Non-slip plastic cap or plug-in coupling for handle extension
Handguard	Plastic, black
Operating temperature range	-25° C ... + 55° C



Earthing rods with bayonet locking mechanism (T pin shaft) can also be used for clamps with hexagon shaft if an AES SQ SK adapter is used.

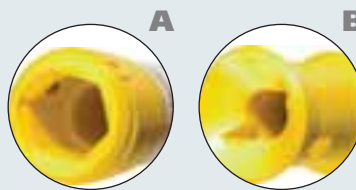


The plug-in coupling allows for easy handle extension of ES STK earthing rods.

SAFETY EQUIPMENT

Earthing Rods, single-section

EARTHING AND SHORT-CIRCUITING DEVICES



Type	Total length l_G	Handle length l_H	Max. load on operating head	Part No.
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A Earthing Rod, Hexagon Shaft

Spring locking mechanism

ES SK 1000	1000 mm	430 mm	35 kg	761 010
ES SK 1500	1500 mm	930 mm	35 kg	761 015

B Earthing Rod, T pin Shaft

Bayonet locking mechanism

ES SQ 1000	1000 mm	430 mm	35 kg	761 011
ES SQ 1500	1500 mm	930 mm	35 kg	761 016

**C STK Earthing Rod, Hexagon Shaft**

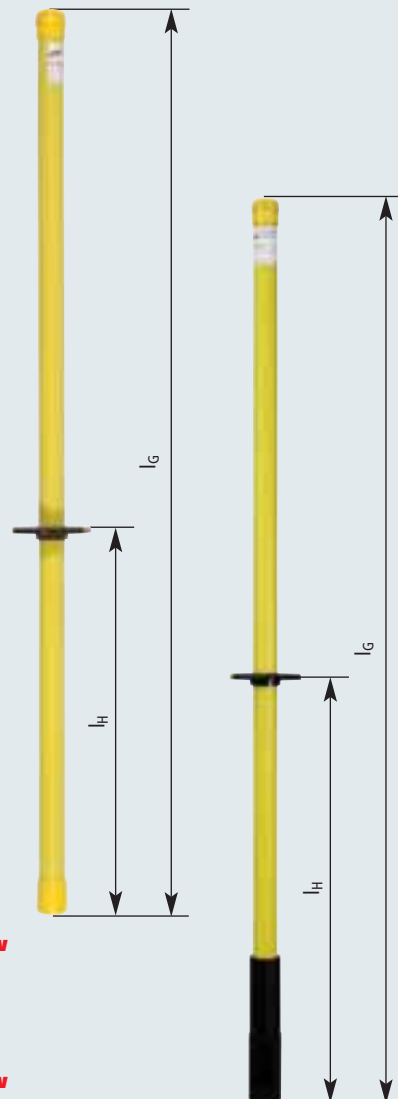
Spring locking mechanism and plug-in coupling for extending the handle

ES SK STK 1000	1000 mm	430 mm	35 kg	761 001	new
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D STK Earthing Rod, T Pin Shaft

Bayonet locking mechanism and plug-in coupling for extending the handle

ES SQ STK 1000	1000 mm	430 mm	35 kg	761 002	new
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Modular units available on request.

Accessories for Earthing Rods, single-section

Adapter for T Pin Shaft / Hexagon Shaft

Suitable for connection to earthing rods with T pin shaft coupling (bayonet locking mechanism) to allow insertion of clamps with hexagon shafts. The lock nut allows the adapter to be fixed to the earthing rod.

Type	Part No.
AES SQ SK	765 001

**HV STK Extension Handle**

Plug-in coupling at both ends for extending the handle

Type	Diameter	Total length l_G	Part No.
HV STK 30 710	30 mm	710 mm	766 335
HV STK 43 910	43 mm	910 mm	766 456
HV STK 43 1280	43 mm	1280 mm	766 466



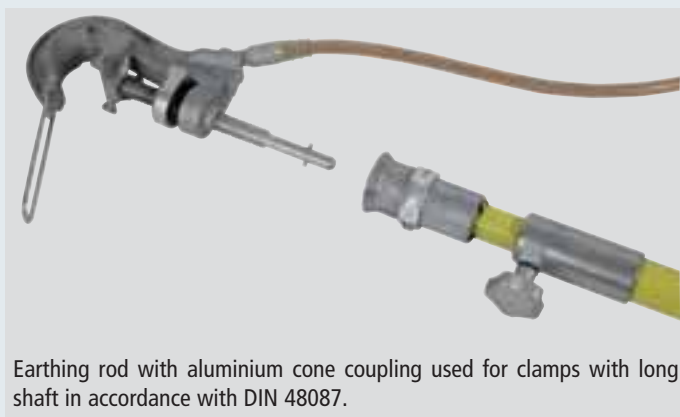
Telescopic Earthing Rods

SAFETY EQUIPMENT

For T pin shafts (bayonet locking mechanism)

EARTHING AND SHORT-CIRCUITING DEVICES

- For use in outdoor installations
- Robust aluminium cone coupling
- Telescopic rod, length gradually adjustable
- For phase screw clamps and clamps with long T pin shaft



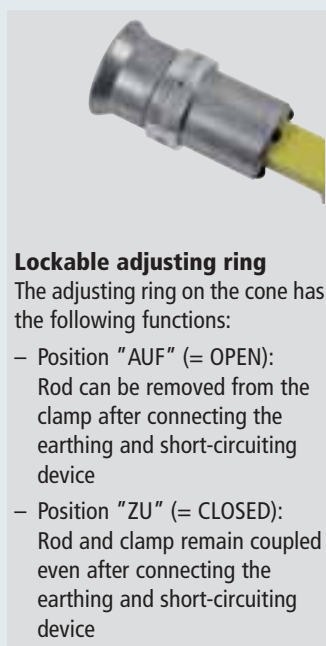
Earthing rod with aluminium cone coupling used for clamps with long shaft in accordance with DIN 48087.



Telescopic earthing rod with aluminium cone coupling and phase screw clamp



Sealing unit with eye (Al/rubber) or plug-in coupling with eye (Al/rubber) for extending the handle.



Lockable adjusting ring

The adjusting ring on the cone has the following functions:

- Position "AUF" (= OPEN): Rod can be removed from the clamp after connecting the earthing and short-circuiting device
- Position "ZU" (= CLOSED): Rod and clamp remain coupled even after connecting the earthing and short-circuiting device

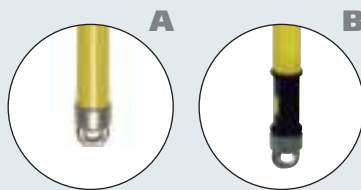
Technical Data

Insulating tube	Glass-fibre reinforced polyester tube, yellow; a square tube, 26 mm, can be pulled out of the round insulating tube, Ø43 mm, and can be fixed in any position between I_{\min} and I_{\max} using the star-shaped handle
Threaded coupling, star-shaped handle	Al alloy
Black ring	Plastic
Sealing unit	Al/rubber eye or plug-in coupling with Al/rubber eye for extending the handle
Operating temperature range	– 25° C ... + 55° C

SAFETY EQUIPMENT

Telescopic Earthing Rods

EARTHING AND SHORT-CIRCUITING DEVICES



Type	Total length $l_{G \max} / l_{G \min}$	Handle length l_H	Max. load on operating head I_{\max} / I_{\min}	Part No.
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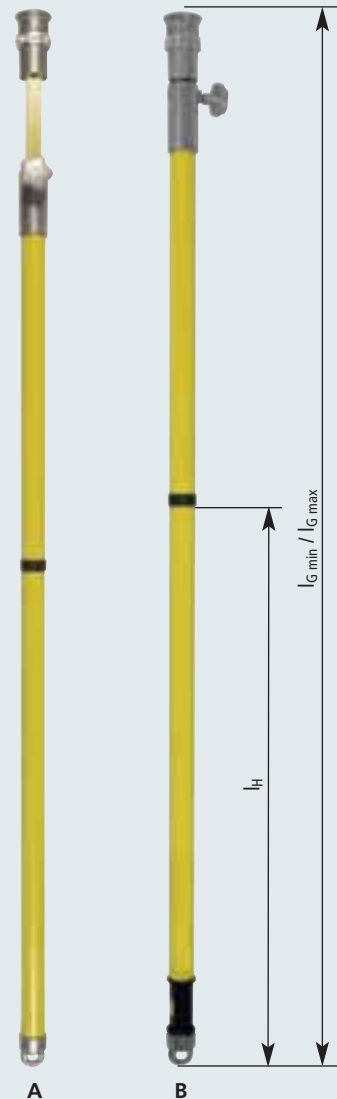
A Telescopic Earthing Rod

ESTC SQL 5000	5000 / 2670 mm	1900 mm	10 / 35 kg	769 500
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B Telescopic Earthing Rod with Plug-In Coupling

ESTC SQL 3000	3000 / 1670 mm	900 mm	18 / 35 kg	769 300 new
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Other telescopic earthing rods are available on request.



Accessories for Telescopic Earthing Rods with Plug-in Coupling

STK Sealing Unit

Type	Diameter	Total length l_G	Part No.
A STK	30 / 43 mm	85 mm	766 888 new



STK Sealing Unit with Eye

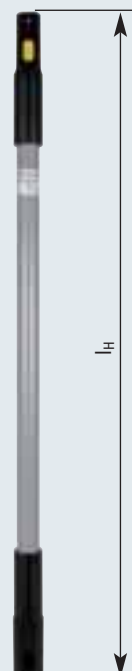
Type	Diameter	Total length l_G	Part No.
AR STK	30 / 43 mm	150 mm	766 889 new



HV STK Extension Handle

Plug-in coupling at both ends for extending the handle

Type	Diameter	Total length l_G	Part No.
HV STK 43 910	43 mm	910 mm	766 456 new
HV STK 43 1280	43 mm	1280 mm	766 466



Earthing Rods, multi-section

SAFETY EQUIPMENT

For T pin shafts (bayonet locking mechanism)

EARTHING AND SHORT-CIRCUITING DEVICES

- For use in outdoor installations
- Robust aluminium cone coupling
- Telescopic rod, length gradually adjustable
- Cone-shaped male and female threaded coupling
- Transport length 1500 mm
- Total lengths up to 6000 mm
- For phase screw clamps and clamps with long T pin shaft

Possible combinations:

- Top section (A) only
- Top section (A) + sealing unit (C)
- Top section (A) + max. 2 intermediate sections (B) + sealing unit (C)

Load values for extendible earthing rods

Total length	Part	Max. load on operating head
1500 mm	A	35 kg
3000 mm	A + C	30 kg
4500 mm	A + B + C	15 kg
6000 mm	A + B + B + C	8 kg



Earthing rod consisting of a top section, intermediate section and sealing unit.



Robust cone-shaped male and female aluminium threaded coupling allows for secure coupling of the earthing rod sections due to the screw-type connection and the locking pins



Lockable adjusting ring

The adjusting ring on the cone has the following functions:

- Position "AUF" (= OPEN): Rod can be removed from the clamp after connecting the earthing and short-circuiting device
- Position "ZU" (= CLOSED): Rod and clamp remain coupled even after connecting the earthing and short-circuiting device

Technical Data

Insulating tube	Glass-fibre reinforced polyester tube, Ø43 mm, yellow
Threaded coupling	Al alloy
Black ring	Plastic
Sealing unit	Al/rubber
Operating temperature range	– 25° C ... + 55° C

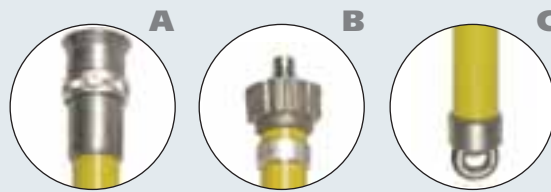


Earthing rod with aluminium cone coupling for clamps with long shaft according to DIN 48087

SAFETY EQUIPMENT

Earthing Rods, multi-section

EARTHING AND SHORT-CIRCUITING DEVICES



Type	Length	Part No.
A Earthing Rod – Top Section With plastic cap for protecting the coupling element		
EST KS SQL 1500	1500 mm	769 503
B Earthing Rod – Intermediate Section With plastic cap for protecting the coupling element		
EST ZS 1500	1500 mm	769 504
C Earthing Rod – Sealing Unit With aluminium / rubber eye		
EST ES 1500	1500 mm	769 505

Other earthing rods are available on request.

