

4. Carry out Earthing and Short-Circuiting – EaS Devices

Earthing Sticks for Overhead Lines



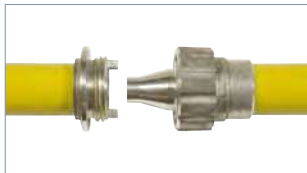
Telescopic earthing stick with aluminium cone coupling and phase screw clamp.

- For outdoor use
- Robust aluminium cone coupling
- Total lengths up to 6000 mm
- Length of telescopic stick continuously adjustable via star knob
- For phase screw clamps and clamps with long T pin shaft

General Information:	
Temperature range	–25 °C ... +55 °C
Material (insulating tube)	Glass-fibre reinforced polyester tube
Material (threaded coupling, star knob)	Aluminium alloy
End fitting	Aluminium/rubber eye / Plug-in coupling for extending the handle



A square tube (26 mm) can be pulled out of the round insulating tube and can be fixed in any position between l_{min} and l_{max} using the star knob.



Robust aluminium threaded coupling allows positive and non-positive connection due to the screw connection and gearing.



End fitting 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:

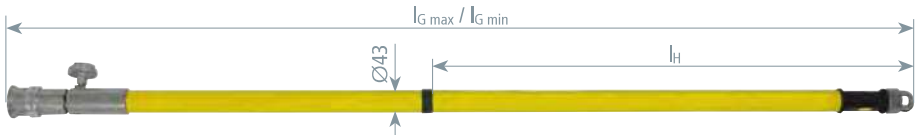
- Position “AUF” (= OPEN): Stick can be removed after the clamp has been attached
- Position “ZU” (= CLOSED): Stick and clamp remain coupled even after the earthing and short-circuiting device has been attached

Telescopic, with T pin shaft



Type	ESTC SQL 4000	ESTC SQL 5000
Part No.	769 400	769 500
Total length ($l_{G \max}$ / $l_{G \min}$)	4015 / 2180 mm	5015 / 2680 mm
Length (handle) (l_H)	1400 mm	1900 mm
Max. load on the operating head ($l_{G \max}$ / $l_{G \min}$)	12 / 35 kg	10 / 35 kg
Diameter	43 mm	43 mm

Telescopic, with T pin shaft, plug-in coupling

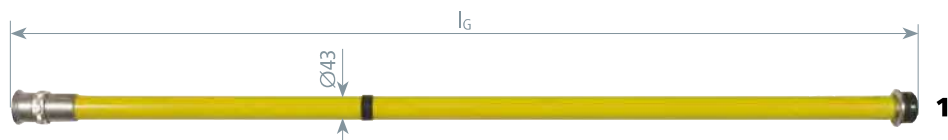


Type	ESTC SQL STK 3000
Part No.	769 300
Total length ($l_{G \max}$ / $l_{G \min}$)	2945 / 1615 mm
Length (handle) (l_H)	900 mm
Max. load on the operating head ($l_{G \max}$ / $l_{G \min}$)	18 / 35 kg
Diameter	43 mm

4. Carry out Earthing and Short-Circuiting – EaS Devices

Multi-part, top section

With aluminium bayonet coupling and aluminium threaded coupling as end fitting.



Type	EST KS SQL 1500
Part No.	769 503
Total length (l _G)	1600 mm
Diameter	43 mm

Permissible loads for the earthing sticks:		
Length l _G	Pos. No.	Max. load on the operating head
6000 mm	1+2+2+3	8 kg
4500 mm	1+2+3	15 kg
3000 mm	1+3	30 kg
1500 mm	1	35 kg

Multi-part, intermediate section

With aluminium threaded coupling, connector with nut and bushing.



Type	EST ZS 1500
Part No.	769 504
Total length (l _G)	1580 mm
Diameter	43 mm

Multi-part, end section

With connector and nut of the aluminium threaded coupling and end fitting with ring eye.



Type	EST ES 1500
Part No.	769 505
Total length (l _G)	1590 mm
Diameter	43 mm

Accessories for Earthing Sticks for Overhead Lines

Adapter (T pin shaft / long T pin shaft)

Suitable for insertion into earthing sticks with aluminium cone coupling for T pin shafts (bayonet locking mechanism) to accept clamps with T pin shaft.

The lock nut allows to fix the adapter on the earthing stick.

Type	AD ES SQ SQL
Part No.	765 006
Length	185 mm

