

# Heavy Duty

## Types 25|30|50|66|80

TÜV/GS and DGUV Test-certified  
cable holders for

- Lighting fixtures
- Fair booth Construction
- Constructions sites
- Rigging



REUTLINGER<sup>®</sup>  
systematic suspension



# The world's only TÜV/GS-certified cable holders



**The TÜV/GS- and DGUV Test-Certificate**  
A safety guarantee from REUTLINGER.

## The only TÜV/GS-certified holders

The German TÜV is internationally renowned as a rigorous testing institution and is highly trusted by producers and consumers – especially for technical products.

The highest and most comprehensive level of TÜV testing is GS certification, denoting safe equipment and recognisable by the well-known blue sticker.

REUTLINGER is the world's only manufacturer of cable suspension systems that has succeeded in complying with the demands of GS certification with every product line: Our promise of safety confirmed by the TÜV.\*

### Certified by DGUV Test

Additionally holders Type 50 SV III, Type 66 SV III und Type 80 SV III are certified within the scope of standard DGUV Regulation 17 (BGV C1), also see page 16.



## TÜV/GS-Certification

The following REUTLINGER holders have been TÜV/GS-certified

### Holders Type 25, Type 30

Certificate no.

TÜV/GS Z1A 014229 0055 Rev. 00



## TÜV/GS- and

### DGUV Test-certification

The following holders have been certified by TÜV/GS und DGUV Test:

### Holders Type 50 SV III, Type 66 SV III and Type 80 SV III

Certificate no.

TÜV/GS Z1A 16 06 14229 050

DGUV Test OA 1851013

\* The German TÜV is a semi-governmental technical supervisory agency



## Loadable & Flexible

Even when suspending heavy loads, REUTLINGER holders are infinitely adjustable up and down the cable without tools.

Unscrew safety cap, suppress plunger, slide the holder, release the plunger and screw down the safety cap – that's it.

## REUTLINGER · Specialists for cable attachments and suspension 04

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## REUTLINGER - Specialists for cable attachments and suspension



### From a traditional workshop into a global high-tech company

„Technology should help us reach our goals. Therefore REUTLINGER® constantly strives for logic and simplicity in all our products. Every detail must be functional and each function must make sense.“

### More than meets the eye

The use of REUTLINGER® fastening attachments always results in permanent connections. This is the effect guaranteed by the self-locking mechanisms at the heart of our attachments. The elements devised specifically for this purpose are based on the following principle: the heavier the load – the greater the clamping force. For safe working loads (SWL) up to 480 kg.

Thanks to REUTLINGER's ever-expanding product range, it took only a few

years until the company had made a significant name for itself within the world's lighting industry. Today we are proud to count virtually all producers of high-quality lighting fixtures – as well as the automobile industry, sign- and shelf-manufacturers, galleries and museums – among our regular customers.

### »Improve what is good, change what is ineffective«

Keeping an eye on quality and costs reflects this thinking – in all of our products. We pay special attention to the constant optimising of the following factors:

- increase loadability of the complete system
- reduce size to improve visual appeal
- increase design variations
- reduce customers' installation time

### Functional principle

The working principle of REUTLINGER® holders is simple enough:

**”** *The heavier the load, the greater the clamping force.*

REUTLINGER® holders are extremely easy to handle, and they can be infinitely adjusted without tools. This allows luminaires and other objects to be suspended and adjusted in practically no time.

### Installation

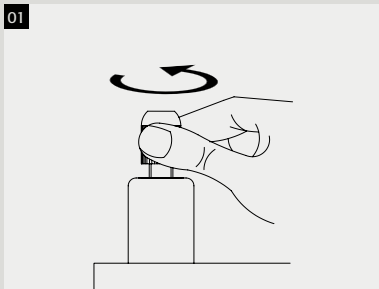
First, attach the holder to the object to be suspended. If the holder is equipped with a safety nut, loosen the cap by a few thread turns to introduce the cable (cf. Fig. 01 + 02 on page 5).

By depressing the “plunger” (the threaded shank which becomes moveable once the safety nut is loosened), you can slide the object up and down on the cable as desired (cf. Fig. 03 on page 5).

After locking the holder in place (by releasing the plunger), tighten the safety nut (if applicable) manually until you feel a definite resistance. It is advisable to retighten the safety nut after a while, especially so if subsequent (further) loads are applied.

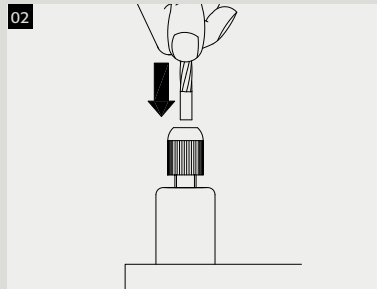
### Locking mechanism

Safety nuts serve to prevent inadvertent movement of the holder in either direction; they are available in different designs.



## Safe working loads and system-relevant working loads

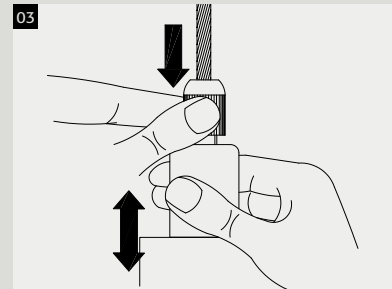
Safe working loads and system-relevant working loads (system = holder + cable) are specified in accordance with the regulations applicable to the respective field and type of use. For instance, a safety factor (SF) of 10 applies to cases falling within the scope of the German accident pre-



vention regulations DGUV, whereas a safety factor of 5 applies in cases coming under the TÜV's scope.

## Minimum breaking load of a system

The relevant equation for determining the minimum breaking load is as follows: **MBL = WLL x SF** (MBL = minimum breaking load; WLL = working load limit; SF = safety factor).



Holders by REUTLINGER® are equipped with at least 3 balls; some series even feature a six-ball mechanism, such as cable holder Type 30 **SV** M8 m.R. ("**S**" stands for "six-ball mechanism").

Cables <sup>1)</sup>			Recommended cables & working loads <sup>2)</sup>								
ø [mm]	Material	Construction	fivefold safety [TÜV/GS]			tenfold safety [DGUV]					
			Type 25	Type 30	Type 30 S	Type 50 SV III		Type 66 SV III		Type 80 SV III	
						DGUV <sup>3)</sup>	TÜV	DGUV <sup>3)</sup>	TÜV	DGUV <sup>3)</sup>	TÜV
1,5	Stainless Steel	DIN EN 12385-4 7x7, 1.570 N/mm²	20 kg								
	Steel zinc-plated	DIN EN 12385-4 7x7, 2.300 N/mm²	24 kg								
1,8	Stainless Steel	DIN EN 12385-4 7x7, 1.570 N/mm²	28 kg								
	Steel zinc-plated	DIN EN 12385-4 7x7, 2.300 N/mm²	34 kg								
2,0	Stainless Steel	DIN EN 12385-4 7x7, 1.570 N/mm²	34 kg	34 kg	40 kg						
	Steel zinc-plated	DIN EN 12385-4 7x7, 2.300 N/mm²	48 kg	40 kg	50 kg						
2,5	Stainless Steel	DIN EN 12385-4 7x7, 1.570 N/mm²	45 kg	50 kg	60 kg						
	Steel zinc-plated	DIN EN 12385-4 7x7, 2.300 N/mm²	68 kg	65 kg	75 kg						
3,0	Stainless Steel	DIN EN 12385-4 7x7, 1.570 N/mm²		70 kg	85 kg						
	Steel zinc-plated	DIN EN 12385-4 7x7, 2.300 N/mm²		85 kg	105 kg						
4,0	Stainless Steel	6x7-WSC/6x19-WSC, 1.570 N/mm²					120 kg				
	Steel zinc-plated	6x7-FC/WSC, 1.770-1960 N/mm²				60 kg	120 kg				
	Steel zinc-plated	6x19M-1FC/WSC, 1.770-1960 N/mm²				60 kg	120 kg				
5,0	Stainless Steel	6x7-WSC/6x19-WSC, 1.570 N/mm²					180 kg				
	Steel zinc-plated	6x7-FC/WSC, 1.770-1960 N/mm²				90 kg	180 kg	90 kg	180 kg		
	Steel zinc-plated	6x19M-1FC/WSC, 1.770-1960 N/mm²				90 kg	180 kg	90 kg	180 kg		
6,0	Stainless Steel	6x7-WSC/6x19-WSC, 1.570 N/mm²							270 kg		
	Steel zinc-plated	6x7-FC/WSC, 1.770-1960 N/mm²						135 kg	270 kg	135 kg	270 kg
	Steel zinc-plated	6x19M-1FC/WSC, 1.770-1960 N/mm²						135 kg	270 kg	135 kg	270 kg
6,35 (1/4")	Steel zinc-plated	6x7-FC/WSC, 1.770-1960 N/mm²						150 kg	300 kg	150 kg	300 kg
	Steel zinc-plated	6x19M-1FC/WSC, 1.770-1960 N/mm²						150 kg	300 kg	150 kg	300 kg
8,0	Stainless Steel	6x7-WSC/6x19-WSC, 1.570 N/mm²									480 kg
	Steel zinc-plated	6x19M-1FC/WSC, 1.770-1960 N/mm²								240 kg	480 kg
	Steel zinc-plated	6x37M-1FC, 1.770-1960 N/mm²								240 kg	480 kg

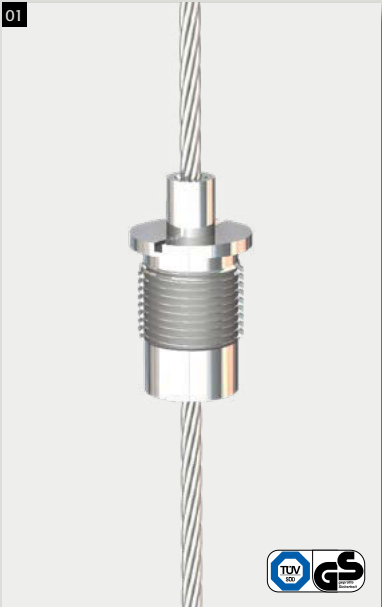
1) All cables are available in silver and black zinc-plated finish 2) Further technical and safety details can be found in the operating instructions ([www.reutlinger.de](http://www.reutlinger.de)) 3) DGUV Certificate No. OA 1851013. Only the values given in this table apply; previous specifications are no longer valid.



# Holder type 25

Cable diameter 1.5 mm to 2.5 mm (all illustrations in actual size)

Central cable exit,  
with external thread



<b>Holder type 25</b> <b>M13x10A</b>	
Collar diameter	15 mm
Length	20 mm
Coupling Thread	M13x1
Thread depth	10 mm
Ser. no.	193.000.364

<b>Holder type 25</b> <b>M16x12A</b>	
Collar diameter	18 mm
Length	18 mm
Coupling Thread	M16x1
Thread depth	12 mm
Ser. no.	193.000.252

Information

Other versions on demand,  
e.g. with/without knurl,  
with/without safety cap



<b>Holder type 25 M8</b>	
Diameter	12 mm
Length	32 mm
Coupling Thread	M8
Thread depth	6 mm
Ser. no.	193.000.250
Alternative coupling thread:	
M10x1	Ser. no. 193.000.248

Ceiling Lamp, Model 'AIR' by NOSCH

Lateral cable exit,  
with external or internal thread



01  
Holder type 25 ZW  
M8x7

Diameter	12 mm
Length	44 mm
Coupling thread	M8
Thread depth	7 mm
Ser. no.	193.000.220

Alternative coupling threads:  
M10x1 Ser. no. 193.000.266



02  
Holder type 25 ZW  
M6i

Diameter	12 mm
Length	44 mm
Coupling thread	M6i
Thread depth	8 mm
Ser. no.	193.000.228

Alternative coupling threads:  
M8i Ser. no. 193.000.271  
M10x1i Ser. no. 193.000.272



03  
Y-Holder type 25 ZW  
M6i, cross hole 3 mm with  
set screw M6x8

Diameter	12 mm
Length	44 mm
Coupling thread	M6i
Cross hole	3 mm
Ser. no.	193.000.765



## Holder type 25

Cable diameter 1.5 mm to 2.5 mm (all illustrations in actual size)

25

Central or lateral cable exit,  
with internal oder external thread,  
safety cap and knurl



**01**  
Holder type 25 V m.R.

Diameter	12 mm
Length	38 mm
Coupling thread	M8/M10x1
Thread depth	6 mm
M8 Ser. no.	193.000.241
M10x1 Ser. no.	193.000.251



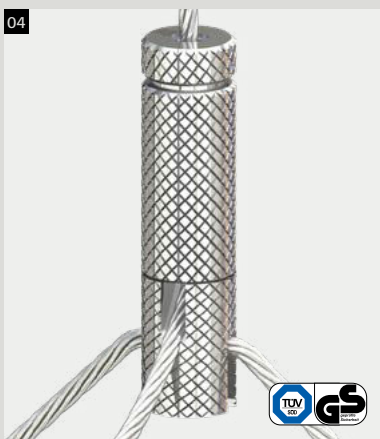
**02**  
Holder type 25 V ZW m.R.

Diameter	12 mm
Length	50 mm
Coupling thread	M8/M10x1
Thread depth	7 mm
M8 Ser. no.	193.000.263
M10x1 Ser. no.	193.000.273



**03**  
Holder type 25 V ZW m.R.

Diameter	12 mm
Length	50 mm
Coupling thread	M6i/M8i/M10x1i
M6i Ser. no.	193.000.242
M8i Ser. no.	193.000.274
M10x1i Ser. no.	193.000.275



**04**  
Y-Holder type 25 ZW  
M6i m.R. slit 3.0 mm and set  
screw M6x8

Diameter	12 mm
Length	44 mm
Coupling thread	M6i
slot width	3 mm
Ser. no.	193.000.288

Special versions  
with central cable exit,  
and safety cap



**05**  
Holder type 25 V  
with fork 6x12 and safety bolt

Diameter	12 mm
Length	72 mm
Fork width	6 mm
Bolt diameter	6 mm
Ser. no.	193.000.034



Special versions  
with central cable exit and  
with oder without safety cap



01

## Holder type 25 V Ring

Diameter	15 mm
Length	75 mm
External ring diameter	42.5 mm
Internal ring diameter	27.5 mm
Ser. no.	193.003.081



02

## Holder type 25 V M13x10A

Collar diameter	15 mm
Length	35 mm
Coupling thread	M13x1
Thread depth	10 mm
Ser. no.	193.000.254

## Holder type 25 V M16x12A

Collar diameter	15 mm
Length	35 mm
Coupling thread	M16x1
Thread depth	12 mm
Ser. no.	193.006.948



03

## Holder type 25 V K with coupling part M10x1 WAF 14

Diameter	12 mm
Length	41 mm
Coupling thread	M10x1
Wrench size	14 mm
Ser. no.	193.000.259



04

## Holder type 25 Bo 6 (Gallery holder)

Dimension	12x12 mm
Length	44.5 mm
Bore diameter	6.2 mm
Ser. no.	193.000.294

### Information

Other versions upon request,  
e.g. with/without knurl,  
with/without safety cap



# Holder type 30

Cable diameter 2.0 mm to 3.0 mm (all illustrations in actual size)

30

## Higher safety through 6 clamping balls

In the »superholder« series, the clamping force is applied by 6 balls (Type SV) instead of 3 balls (Type V).

Their reinforced mechanism increases loadability by 20 %.



Special solutions for bevel suspensions: ball joint ceiling coupler at the ceiling and/or hinged holder at the object.

## Central cable exit, with external thread and safety cap



### Holder type 30 V M8

Diameter	15 mm
Length	36 mm
Connection thread	M8
Thread length	8 mm
Ser. no.	193.006.048

## Central cable exit, with external thread, knurl and safety cap



### Holder type 30 V/SV M8 m.R.

Diameter	15 mm
Length	36 mm
Coupling thread	M8
Thread depth	8 mm
Type V, 3 balls	Ser. no. 193.000.301
Type SV, 6 balls	Ser. no. 193.000.308

### Holder type 30 V/SV M10 m.R.

Diameter	15 mm
Length	36 mm
Coupling thread	M10
Thread depth	8 mm
Type V, 3 balls	Ser. no. 193.000.302
Type SV, 6 balls	Ser. no. 193.000.326

Information

Other versions upon request, e.g. with/without knurl, with/without safety cap



Lateral cable exit,  
with internal thread, knurl  
and safety cap



**01**  
**Holder type 30 V/SV**  
**M10x1 m.R.**

Diameter	15 mm
Length	36 mm
Coupling thread	M10x1
Thread depth	8 mm
Type V, 3 balls	Ser. no. 193.000.303
Type SV, 6 balls	Ser. no. 193.000.325

**Holder type 30 V/SV**  
**M12 m.R.**

Diameter	15 mm
Length	36 mm
Coupling thread	M12
Thread depth	8 mm
Type V, 3 balls	Ser. no. 193.000.300
Type SV, 6 balls	Ser. no. 193.000.305

**Holder type 30 V/SV**  
**M13x1 m.R.**

Collar diameter	15 mm
Length	36 mm
Coupling thread	M13x1
Thread depth	8 mm
Type V, 3 balls	Ser. no. 193.000.307
Type SV, 6 balls	Ser. no. 193.000.328

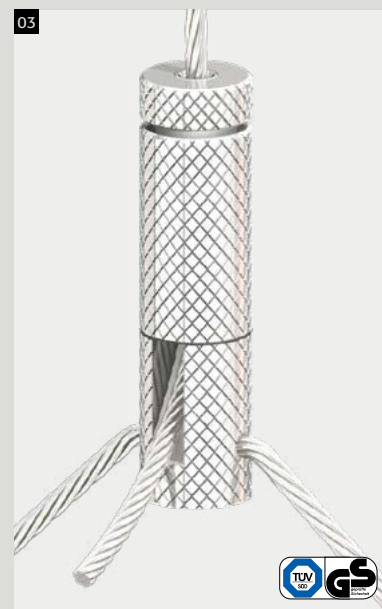


**02**  
**Holder type 30 V/SV ZW**  
**M6i m.R.**

Diameter	15 mm
Length	60 mm
Coupling thread	M6i
Thread depth	8 mm
Type V, 3 balls	Ser. no. 193.000.310
Type SV, 6 balls	Ser. no. 193.000.311

**Holder type 30 V/SV ZW**  
**M8i m.R.**

Diameter	15 mm
Length	60 mm
Coupling thread	M8i
Thread depth	8 mm
Type V, 3 balls	Ser. no. 193.000.315
Type SV, 6 balls	Ser. no. 193.000.330



**03**  
**Y-holder type 30 V/SV ZW m.R.**  
**with cross hole 3.5 mm and set**  
**screw M6x6**

Diameter	15 mm
Length	60 mm
Slot	3.5 mm
Type V, 3 balls	Ser. no. 193.000.317
Type SV, 6 balls	Ser. no. 193.000.331

## Holder type 30

Cable diameter 2.0 mm to 3.0 mm (all illustrations in actual size)

30



»Sparkasse Burgelandkreis« Austria  
Chandelier made by SPECTRAL,  
Gesellschaft für Lichttechnik  
Photography by Thomas Dix

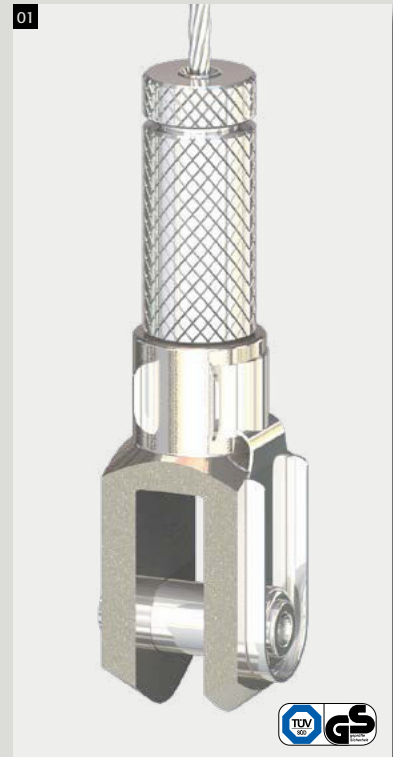
### Information

Other versions on demand,  
e.g. with/without knurl,  
with/without safety cap



Special versions  
with central cable exit  
and safety cap

01



01

Holder type 30 V/SV  
m.R. with fork 10x20 and  
safety bolt

Diameter	15 mm
Length	88 mm
Usable fork depth	20 mm
Fork width	10 mm
Bolt diameter	10 mm
Type V, 3 balls	Ser. no. 193.000.290
Type SV, 6 balls	Ser. no. 193.000.324

Special versions  
with central or lateral cable exit  
and safety cap



**01**  
**Holder type 30 V/SV**  
**Ring**

Diameter	15 mm
Length	68 mm
External ring diameter	42.5 mm
Internal ring diameter	27.5 mm
Type V, 3 balls	Ser. no. 193.000.316
Type SV, 6 balls	Ser. no. 193.000.318



**02**  
**Holder type 30 V/SV ZW**  
**m.R. hinged M8i**

Diameter	15 mm
Length	87 mm
Coupling thread	M8i
Thread depth	10 mm
Type V, 3 balls	Ser. no. 193.000.347
Type SV, 6 balls	Ser. no. 193.000.346



**03**  
**Holder type 30 V/SV**  
**Design Hook**

Length	65 mm
Hooks opening	13 mm
Type V, 3 balls	Ser. no. 193.006.590
Type SV, 6 balls	Ser. no. 193.006.526

European utility patent  
000 169 594 - 0001+ 0002



# Holder type 30

Cable diameter 2.0 to 3.0 mm (all illustrations in actual size)

30

Central cable exit,  
with external thread  
and safety cap



**01**  
Holder type 30 SV  
M8, black zinc-plated

Diameter	15 mm
Length	36 mm
Coupling thread	M8
Thread length	8 mm
Type SV, 6 balls	Ser. no. 193.006.107

Central cable exit,  
with external thread, knurl  
and safety cap



**02**  
Holder type 30 SV  
M8 m.R., black zinc-plated

Diameter	15 mm
Length	36 mm
Coupling thread	M8
Thread length	8 mm
Type SV, 6 balls	Ser. no. 193.006.114

Alternative coupling threads:

M10	Ser. no. 193.006.113
M10x1	Ser. no. 193.006.268
M12	Ser. no. 193.006.112
M13x1	Ser. no. 193.006.111

Lateral cable exit with  
internal thread, knurl  
and safety cap



**03**  
Holder type Typ 30 SV ZW  
M6i m.R., black zinc-plated

Diameter	15 mm
Length	60 mm
Coupling thread	M6i
Thread depth	8 mm
Type SV, 6 balls	Ser. no. 193.006.110

Alternative coupling thread:

M8i	Ser. no. 193.006.109
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Information

Other versions on demand,  
e.g. with/without knurl,  
with/without safety cap



Special versions  
with safety cap



**01**  
**Holder type 30 SV**  
**m.R. with fork 10x20 and**  
**safety bolt, black zinc-plated**

Diameter	15 mm
Length	88 mm
Usable fork depth	20 mm
Fork width	10 mm
Bolt diameter	10 mm
Type SV, 6 balls	Ser. no. 193.006.267



**02**  
**Holder type 30 SV**  
**Ring, black zinc-plated**

Diameter	15 mm
Length	68 mm
External ring diameter	42.5 mm
Internal ring diameter	27.5 mm
Type SV, 6 balls	Ser. no. 193.006.293



**03**  
**Holder type 30 SV ZW**  
**m.R. hinged M8i,**  
**black zinc-plated**

Diameter	15 mm
Length	87 mm
Coupling thread	M8i
Thread depth	10 mm
Type SV, 6 balls	Ser. no. 193.006.108

## Holder type 50 SV III, Type 66 SV III and Type 80 SV III with TÜV/GS and DGUV Test

Special holders for rigging  
and fair booth construction

### Type 50 SV III, 66 SV III and 80 SV III with TÜV/GS and DGUV Test



REUTLINGER® grippers type 50 SV III, type 66 SV III and type 80 SV III are not only certified as safe (GS) by the German TÜV, they have also been licensed for use within the scope of standard DGUV Regulation 17 (BGV C1).

The DGUV Test certificate authorises these grippers for use within the scope of the accident prevention regulations issued by the German employers' liability insurance associations in respect of staging and production facilities.

The test seal of the DGUV is conferred only after extensive examining of all load applications. Further testing simulated most anticipated mis-applications. REUTLINGER® gripper ranges 50 SV III, 66 SV III and 80 SV III are the only load-bearing devices certified by the DGUV for use in mobile production facilities.

More information be  
found in our Folder  
"Event Technology"!



Central cable exit  
with external thread  
and safety cap



**01**  
**Holder type 50 SV III**  
**M12, nickel-plated**

Diameter	25 mm
Length	70.5 mm
Coupling thread	M12
Thread length	17 mm
Ser. no.	393.006.898
DGUV certificate no.	OA 1851013

Central cable exit  
with safety cap



**02**  
**Holder type 50 SV III**  
**Integral Ring, nickel-plated**

Diameter	25 mm
Length	105 mm
External ring diameter	54 mm
Internal ring diameter	30 mm
Ser. no.	393.006.899
DGUV certificate no.	OA 1851013



**03**  
**Holder type 50 SV III**  
**with fork 14x28 and safety bolt,**  
**nickel-plated**

Diameter	25 mm
Length	121.7 mm
Usable fork depth	28 mm
Fork width	14 mm
Bolt diameter	14 mm
Ser. no.	393.006.901
DGUV certificate no.	OA 1851013



## Holder type 50 SV III

Cable diameter 4.0 to 5.0 mm (all illustrations are scaled)

Central cable exit  
with safety cap



### 01 Holder type 50 SV III M12, black zinc-plated

Diameter	25 mm
Length	70.5 mm
Coupling thread	M12
Thread depth	17 mm
Ser. no.	393.005.021
DGUV certificate no.	OA 1851013

### 02 Holder type 50 SV III Integral Ring, black zinc-plated

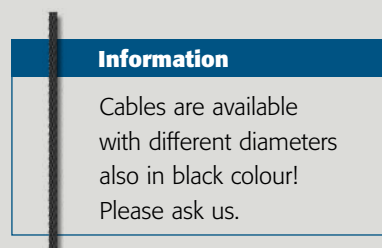
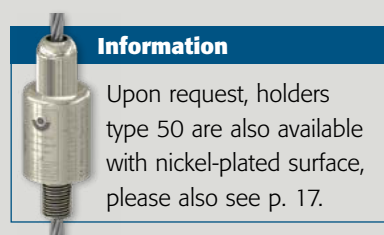
Diameter	25 mm
Length	105 mm
External ring diameter	54 mm
Internal ring diameter	30 mm
Ser. no.	393.005.033
DGUV certificate no.	OA 1851013

### 03 Holder type 50 SV III with fork 14x28 and safety bolt, black zinc-plated

Diameter	25 mm
Length	122 mm
Usable fork depth	28 mm
Fork width	14 mm
Bolt diameter	14 mm
Ser. no.	393.005.024
DGUV certificate no.	OA 1851013

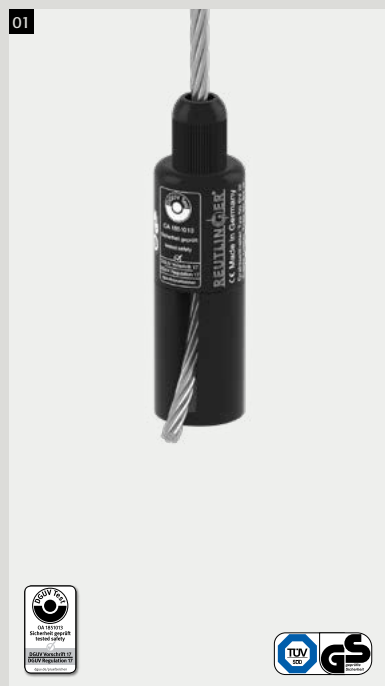


Holder type 50 SV III  
Integral Ring (actual size)





Lateral cable exit  
with safety cap



01

### Holder type 50 SV III ZW M12i, black zinc-plated

Diameter	25 mm
Length	92 mm
Coupling thread	M12i
Thread depth	10 mm
Ser. no.	393.005.025
DGUV certificate no.	OA 1851013

02

### Holder type 50 SV III ZW with Ring, black zinc-plated

Diameter	25 mm
Length	147 mm
External ring diameter	54 mm
Internal ring diameter	30 mm
Ser. no.	393.005.026
DGUV certificate no.	OA 1851013

03

### Holder type 50 SV III ZW with fork 14x28 and safety bolt, black zinc-plated

Diameter	25 mm
Length	165 mm
Usable fork depth	28 mm
Fork width	14 mm
Bolt diameter	14 mm
Ser. no.	393.005.027
DGUV certificate no.	OA 1851013

04

### Holder type 50 SV III ZW with Doughty® Coupler T58081, black zinc-plated

Diameter	25 mm
Length	160 mm
For tube diameter	48-51 mm
Ser. no.	393.005.040
DGUV certificate no.	OA 1851013

## Holder type 66 SV III

Cable diameter 5.0, 6.0 mm and 1/4 inch (6.35 mm) (all illustrations are scaled)

Central cable exit  
with safety cap



### 01 Holder type 66 SV III M16, black zinc-plated

Diameter	34 mm
Length	94 mm
Coupling thread	M16
Thread length	22 mm
Ser. no.	393.007.700
DGUV certificate no.	OA 1851013

### 02 Holder type 66 SV III Integral Ring, black zinc-plated

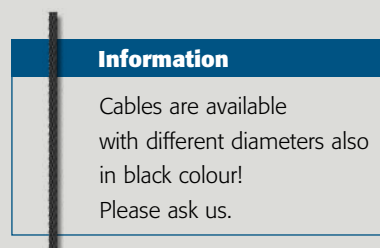
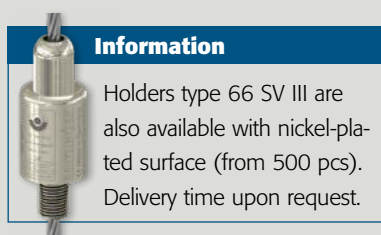
Diameter	34 mm
Length	136 mm
External ring diameter	63 mm
Internal ring diameter	35 mm
Ser. no.	393.007.701
DGUV certificate no.	OA 1851013

### 03 Holder type 66 SV III with fork 16x32 and safety bolt, black zinc-plated

Diameter	34 mm
Length	156 mm
Usable fork depth	32 mm
Fork width	16 mm
Bolt diameter	16 mm
Ser. no.	393.007.703
DGUV certificate no.	OA 1851013



Holder type 66 SV III Integral Ring  
(actual size)



### Lateral cable exit with safety cap



01

#### Holder type 66 SV III ZW M16i, black zinc-plated

Diameter	34 mm
Length	120 mm
Coupling thread	M16i
Thread depth	15 mm
Ser. no.	393.007.702
DGUV certificate no.	OA 1851013

02

#### Holder type 66 SV III ZW with Ring, black zinc-plated

Diameter	34 mm
Length	182 mm
External ring diameter	63 mm
Internal ring diameter	35 mm
Ser. no.	393.007.709
DGUV certificate no.	OA 1851013

03

#### Holder type 66 SV III ZW with fork 16x32 and safety bolt, black zinc-plated

Diameter	34 mm
Length	202 mm
Usable fork depth	32 mm
Fork width	16 mm
Bolt diameter	16 mm
Ser. no.	393.007.705
DGUV certificate no.	OA 1851013

04

#### Holder type 66 SV III ZW with DOUGHTY® Coupler T58101, black zinc-plated

Diameter	34 mm
Length	188 mm
For tube diameter	48-51 mm
Ser. no.	393.007.704
DGUV certificate no.	OA 1851013



## Holder type 80 SV III

Cable diameter 6.0 mm, 1/4 inch (6.35 mm) and 8.0 mm (all illustrations scaled)

Central cable exit  
with safety cap



01

### Holder type 80 SV III M20, black zinc-plated

Diameter	40 mm
Length	116 mm
Coupling thread	M20
Thread length	30 mm
Ser. no.	393.009.003
DGUV certificate no.	OA 1851013

02

### Holder type 80 SV III Integral Ring, black zinc-plated

Diameter	40 mm
Length	156 mm
External ring diameter	72 mm
Internal ring diameter	40 mm
Ser. no.	393.009.011
DGUV certificate no.	OA 1851013

03

### Holder type 80 SV III with fork 20x40 and safety bolt, black zinc-plated

Diameter	40 mm
Length	190 mm
Usable fork depth	40 mm
Fork width	20 mm
Bolt diameter	20 mm
Ser. no.	393.009.005
DGUV certificate no.	OA 1851013



#### Information

Holders type 80 SV III are also available with nickel-plated surface (from 500 pcs).  
Delivery time upon request.



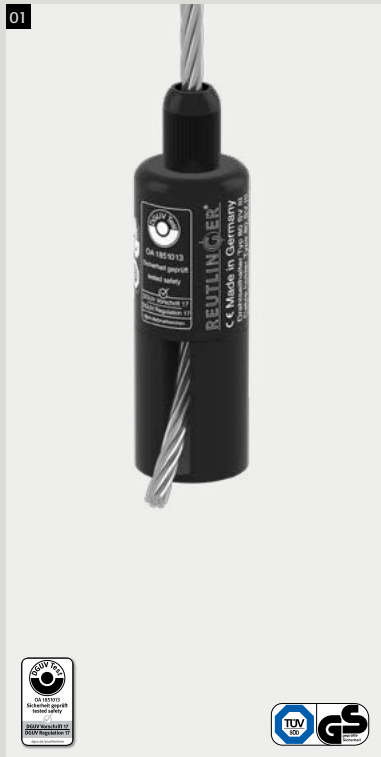
#### Information

Cables are available with different diameters also in black colour!  
Please ask us.



Holder type 80 SV III  
Integral Ring (actual size)

Lateral cable exit  
with safety cap



01

### Holder type 80 SV III ZW M12i, black zinc-plated

Diameter	40 mm
Length	139 mm
Coupling thread	M12i
Thread depth	20 mm
Ser. no.	393.009.008
DGUV certificate no.	OA 1851013

02

### Holder type 80 SV III ZW with Ring, black zinc-plated

Diameter	40 mm
Length	209 mm
External ring diameter	72 mm
Internal ring diameter	40 mm
Ser. no.	393.009.015
DGUV certificate no.	OA 1851013

03

### Holder type 80 SV III ZW with fork 20x40 and safety bolt, black zinc-plated

Diameter	40 mm
Length	244 mm
Usable fork depth	40 mm
Fork width	20 mm
Bolt diameter	20 mm
Ser. no.	393.009.023
DGUV certificate no.	OA 1851013

04

### Holder type 80 SV III ZW with DOUGHTY® Coupler T57010, black zinc-plated

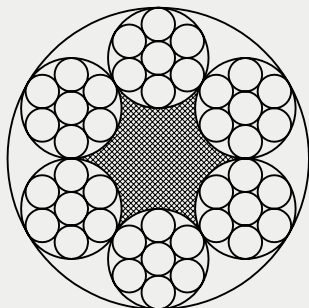
Diameter	40 mm
Length	223 mm
For tube diameter	48-51 mm
Ser. no.	393.009.009
DGUV certificate no.	OA 1851013



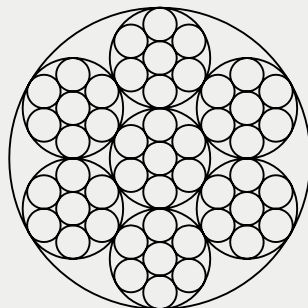


# Cables

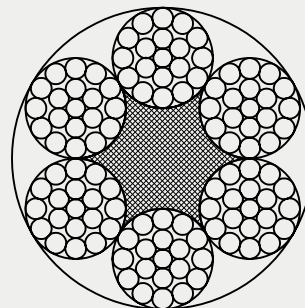
01



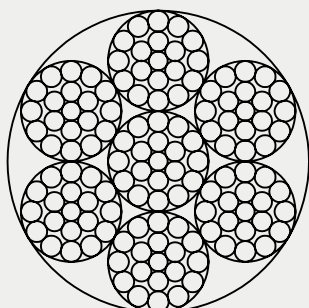
02



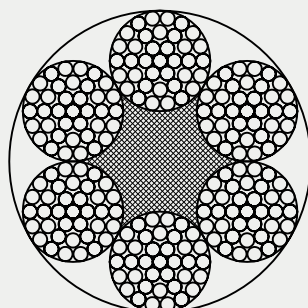
03



04



05



- 01 DIN EN 12385-4 6x7+1FE
- 02 DIN EN 12385-4 6x7+1SE
- 03 DIN EN 12385-4 6x19+1FE
- 04 DIN EN 12385-4 6x19+1SE
- 05 DIN EN 12385-4 6x37+1FE

## Please note:

Cables must not be greased or oiled!

### 1. Materials + surfaces

Cables are available in two degrees of durability

- 1.1 galvanised steel  
for normal internal use
- 1.2 stainless steel for external use and decorative requirements

### 2. Specific cable strength

Along with the standard-strength cables with 1570 N/mm<sup>2</sup>, we also offer high-tensile strength cables with up to 2300 N/mm<sup>2</sup>. With these you get a higher system strength with the same cable diameter.

### 3. Cable constructions

You can choose between different cable constructions. Please note:

- 3.1 cables with steel core have a higher strength than those with a fibre core but they are less flexible.
- 3.2 Cables with many wires such as 6x37 are more flexible than cables with less wires, as in 7x7 cables.
- 3.3. Swaged-on threaded bolts require cables with steel cores.
- 3.4. Cables running on pulleys should have fibre cores.

### 4. Cable diameter

REUTLINGER offers holders suitable for cables from 0.45 mm to 8.0 mm diameter.

### 5. Using other cables

REUTLINGER cables are free of tension, stress-free, not twisted and cut-proof. When using other cables, take care that cutting does not untwist the cable, because it is possible that they will not fit into the holder after they have been tinned.

### 6. Customised solutions

Let us help you choose the best solution among our variety of cable ends.

## Cable terminations

### Cable terminations

Upon request cables with various cable ends custom-made to fit individual suspensions (length; materials; diameter).



01	02	03	04	05	06
<b>Loop</b>	<b>Loop &amp; Thimble</b>	<b>Threaded End</b>	<b>Forged Eyelet</b>	<b>Cylindrical sleeve</b>	<b>Tinned ends</b>
Cables available see chart Dimensions according to drawing	Cables available see chart Dimensions according to drawing	Cables available see chart Dimensions according to drawing	Cables available see chart for bolt-ø up to 8 mm	Cables available see chart sleeve-ø 8,6 mm, sleevelength 11 mm	Cable ends tinned, Cables available see chart

Cables				Cable ends					
ø [mm]	Material	Surface	Construction	01	02	03	04	05	06
1,5	Stainless steel	Stainless steel	DIN EN 12385-4 7x7, 1.570 N/mm <sup>2</sup>	●	●	●	●	●	●
	Steel	Silver zinc-plated	DIN EN 12385-4 7x7, 2.300 N/mm <sup>2</sup>	●	●	●	●	●	●
1,8	Stainless steel	Stainless steel	DIN EN 12385-4 7x7, 1.570 N/mm <sup>2</sup>	●	●	●	●	●	●
	Steel	Silver zinc-plated	DIN EN 12385-4 7x7, 2.300 N/mm <sup>2</sup>	●	●	●	●	●	●
2,0	Stainless steel	Stainless steel	DIN EN 12385-4 7x7, 1.570 N/mm <sup>2</sup>	●	●	●	●	●	●
	Steel	Silver zinc-plated	DIN EN 12385-4 7x7, 2.300 N/mm <sup>2</sup>	●	●	●	●	●	●
2,5	Stainless steel	Stainless steel	DIN EN 12385-4 7x7, 1.570 N/mm <sup>2</sup>	●	●	●	●	●	●
	Steel	Silver zinc-plated	DIN EN 12385-4 7x7, 2.300 N/mm <sup>2</sup>	●	●	●	●	●	●
3,0	Stainless steel	Stainless steel	DIN EN 12385-4 7x7, 1.570 N/mm <sup>2</sup>	●	●	●	●	●	●
	Steel	Silver zinc-plated	DIN EN 12385-4 7x7, 2.300 N/mm <sup>2</sup>	●	●	●	●	●	●
4,0	Steel	Silver/black zinc-plated	6x7+1FE, 1.770 N/mm <sup>2</sup>	●	○	●	●	●	●
	Steel	Silver zinc-plated	6x19+1FE, 1.770 N/mm <sup>2</sup>	●	○	●	●	●	●
5,0	Steel	Silver/black zinc-plated	6x7+1FE, 1.770 N/mm <sup>2</sup>	●	○	●	●	●	●
	Steel	Silver zinc-plated	6x19+1FE, 1.770 N/mm <sup>2</sup>	●	○	●	●	●	●
6,0	Steel	Silver zinc-plated	6x19+1FE, 1.770 N/mm <sup>2</sup>	●	○	●	●	●	●
	Steel	Black zinc-plated	6x19+1SE, 1.960 N/mm <sup>2</sup>	●	○	●	●	●	●
6,35 (1/4")	Steel	Silver zinc-plated	6x19+1FE, 1.770 N/mm <sup>2</sup>	●	○	●	●	●	●
	Steel	Silver zinc-plated	6x19+1SE, 1.770 N/mm <sup>2</sup>	●	○	●	●	●	●
8,0	Steel	Silver zinc-plated	6x19+1FE, 1.770 N/mm <sup>2</sup>	●	○	●	●	●	●
	Steel	Silver zinc-plated	6x37+1FE, 1.770 N/mm <sup>2</sup>	●	○	●	●	●	●
	Steel	Black zinc-plated	6x19+1SE, 1.960 N/mm <sup>2</sup>	●	○	●	●	●	●

Chart 2: Cables with cable ends ● available; ○ only these swaged fittings and cable ends are permitted for use within the scope of DGUV Test! ● upon request

## Ceiling attachments [for cable diameter 1.5 to 3.0 mm]

### Ceiling attachments

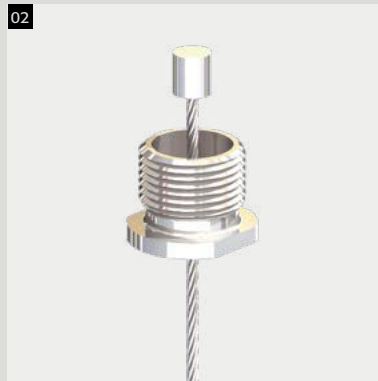
Combine ceiling attachments and screw caps for a loadable ceiling suspension.

Various solutions upon request.



**01**  
**Ceiling attachment  
M13x1 M6i**

Flange diameter	20 mm
Diameter	16 mm
Length	21 mm
Coupling thread	M13x1
Ser. no.	029.006.003

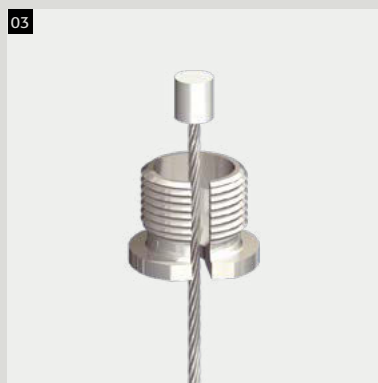


**02**  
**Screw-cap M13x1  
with bore 3.5 mm, WAF 14**

Flange diameter	16 mm
Diameter	12 mm
Thread depth	10 mm
Coupling thread	M13x1
Ser. no.	029.006.016

**Screw-cap M13x1  
with bore 2.4 mm WAF 14**

Flange diameter	16 mm
Diameter	12 mm
Thread depth	10 mm
Coupling thread	M13x1
Ser. no.	029.006.002



**03**  
**Screw-cap M13x1 ›Quick‹  
with slit 2.4 mm, WAF 14**

Flange diameter	16 mm
Diameter	12 mm
Thread depth	10 mm
Coupling thread	M13x1
Ser. no.	029.006.055



**04**  
**Combination of  
Ceiling attachment M13x1 M6i  
and screw-cap M13x1 with  
bore 3.5 mm WAF 14**

Length	22 mm
Ser. no.	193.005.206

For details and further dimensions  
please see article **01** and **02** !

### Tensioning systems

Tensioners allow you to create strong tensioning systems or vertical installations between floor and ceiling, for example. Tensioning solutions are ideal for the suspensions of displays and other elements. Further solutions upon request.



**01**  
**Tensioner type 25 V ZW**  
**with left-hand/right-hand thread**

Applicable with cables  $\varnothing$  1.5 mm to 2.5 mm

Collar diameter	16 mm
Diameter	12 mm
Width across flats	12 mm
Length (screwed)	46 mm
Ser. no.	193.006.002



**02**  
**Tensioner type 30 SV**  
**with big fastening plate**

Applicable with cables  $\varnothing$  2.5 mm to 3.0 mm

Attachment plate diameter	40 mm
Diameter	15 mm
Length (screwed)	77 mm
Ser. no.	193.000.352

### Information

Tensioning systems using article **01** or **02** can be implemented with two tensioners each (top/bottom) or with a ceiling attachment, e.g. article **04** presented on page 26 (please see the image above).





**Please request  
the following catalogues:**

**Mini**

Holders & Accessories  
Type 10, 12

**Standard**

Holders & Accessories  
Type 15, 18, 20

**Shop | Display**

Presentation and Shelving  
Systems for Retail Applications

**Gallery**

Suspension Systems for Galleries  
and Exhibits

**Rigging & Event Technology**

Holders and Accessories  
Type 50 SV III, Type 66 SV III  
and Type 80 SV III

**Current-Carrying Suspensions**

Suspension of Luminaires,  
Lightboxes, Displays and Other  
Objects

**Interested?**

Do you have questions concerning  
technical details? Please give us a  
call!

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