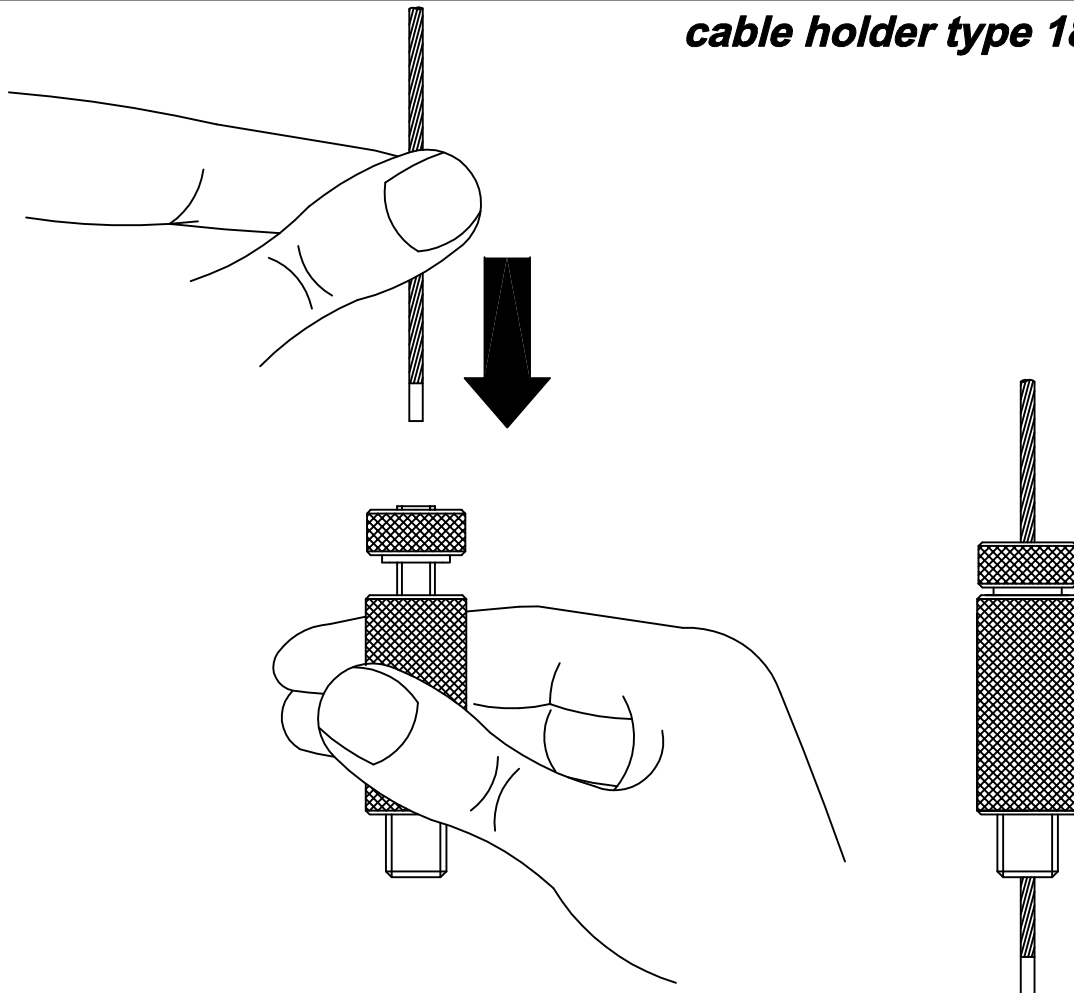
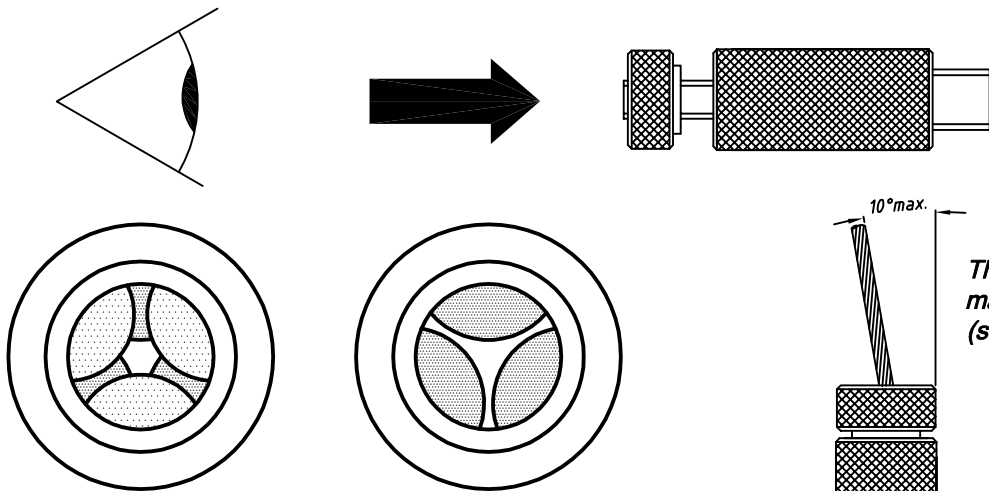


cable holder type 18/20



You can check the holder's functionality by a quick view through the plunger. Below is a corresponding illustration of 3 and 6 ball-models.



View through the plunger
6 - balls

View through the plunger
3 - balls

The cable exit angle
may not exceed 10°
(see illustration).

Glossary

You can find the following terms and abbreviations in the manual:

kg	=	kilogramme
mm	=	millimeter
plunger	=	threaded pipe with cap sticking out of the cable holder; cable will thread into it

Further examples of the manual can be downloaded at www.reutlinger.de

Instruction Sheet Cable Holder Type 18/20

Issued: 01.07.06



There are two versions of the REUTLINGER cable holder type 18/20: type 18/20 and type 18/20 S; type 18/20 S allows 20% higher loading.

The REUTLINGER Cable Holder Type 18 suspends static loads of up to 30 kg, type 20 up to 40 kg (type 18S up to 36kg, type 20S up to 48kg) on steel cables (wire rope).

A connection to the ceiling capable of handling a breaking-load of 150 kg for type 18, 200kg for type 20; 180kg for type 18S ; 240kg for type 20 S) (dowel; hook; etc.; responsibility of user!) is a necessary pre-condition. This connection to the ceiling must be installed by a trained specialist.

The connection between cable-holder and cable is always accomplished in the same way: one end of the cable is inserted into the holder by lightly pressing it into the spring-loaded plunger (see illustration on reverse page).

Now the holder can be randomly affixed along the length of the cable. As soon as a load is attached, it clamps onto the cable.

Be sure to insert the cable into the holder at least far enough to be able to clearly see it protrude from the other end of the holder.

After affixing the holder in the desired position, screw down the safety-nut (do not use tools!) as far as possible.

Now the full load can be attached to the holder – it can no longer move in any direction.

To affix the holder to another position on the cable, simply reverse the procedure: completely unscrew the safety-nut, take the suspended load off the holder, press down the spring-loaded plunger with your fingernail. Now the holder can again be moved up and down the cable.

Remarks and Advice:

- REUTLINGER cable holders are not suitable for outdoor use.
- cables (wire-ropes) may not be damaged in any way.
- the holders' spring-loaded plunger must have noticeable spring resistance.
- to assure full loadability the cables must be free of fats, oils and rust.
- the cable-end inserted into the holder must be sealed (tinning; heat-shrinkable sleeve)
- always use at least two holders for any suspended object to prevent it from spinning.

The designated use of cable-holders is for static, resting loads only. They are not suitable for moving, dynamic loads. To assure the highest possible safety, REUTLINGER recommends the use of at least two holders per object, as well as making sure that it cannot move.

The REUTLINGER cable holder type 18 is suitable for steel cables of $\varnothing 1.0\text{mm}$ (10kg), $\varnothing 1.2\text{mm}$ (15kg), $\varnothing 1.5\text{mm}$ (25kg), $\varnothing 1.8\text{mm}$ (30kg), type 20 for $\varnothing 2.0\text{mm}$ (40kg). The loads for cable holders with 6 balls (types 18S and 20S) are 20% higher.

The use of the following cables is permissible for type 18 cable-holders:

- galvanised steel wire rope 7x7, similar to DIN EN 12385-4; rated tensile strength = 2300 N/mm²
- stainless steel wire rope 7x7, similar to DIN EN 12385-4; rated tensile strength = 1570 N/mm²

When using cables with lower rated tensile strength the above-mentioned figures must be reduced accordingly. Cable-holders are not suited for use on plastic-coated cables.

General advisory remarks and precautions:

- **no suspension of persons**
- **secure against dangerous motion in case of even partial failure**
- **always establish tensile strength of cable before deciding on load**
- **always use at least two points of suspension for each suspended object**

IMPORTANT!: Please keep this instruction sheet in a generally accessible place for future reference!