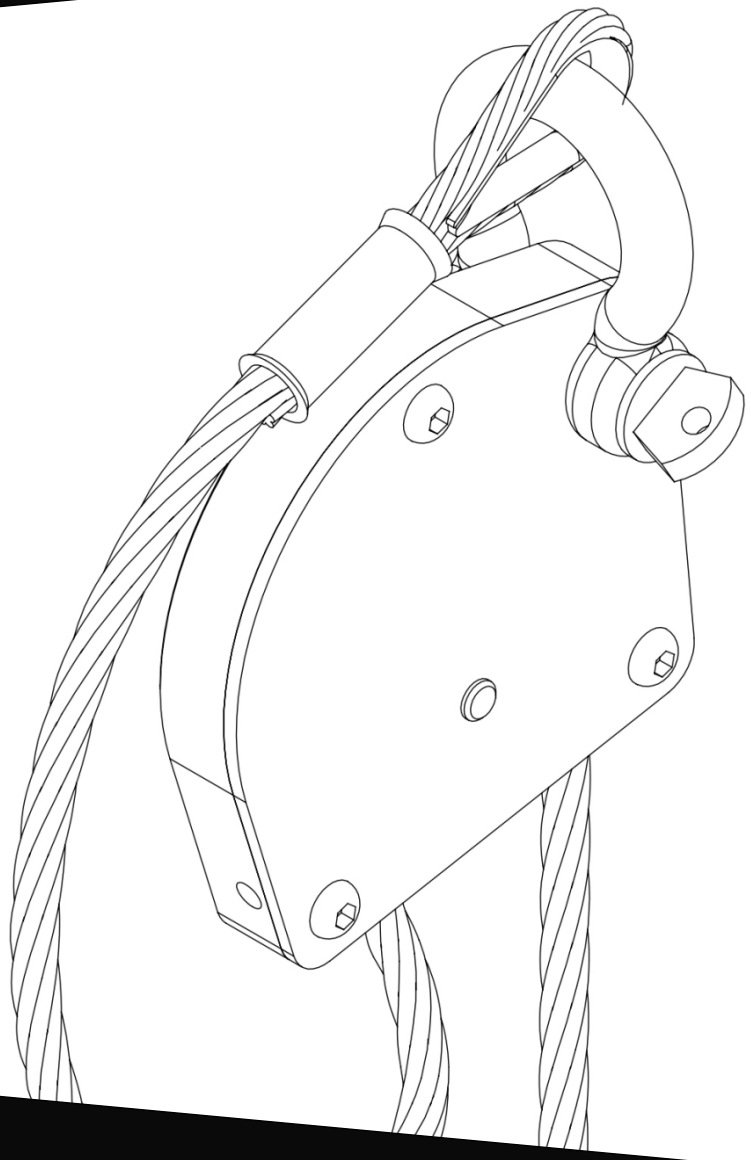

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MONOBLOQ

MADE IN EUROPE

CE EN 13411-6:2006

USER MANUAL AND MAINTENANCE

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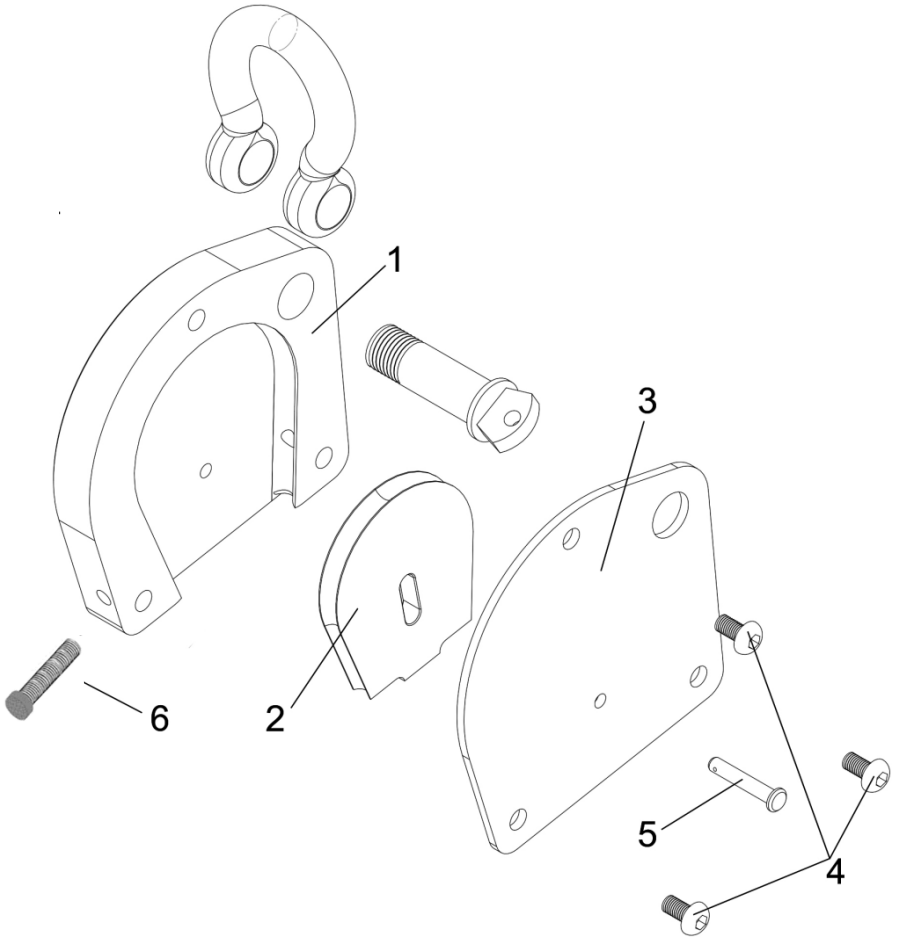
1 Description of components.
2 Installation and commissioning.
3 Repairs and maintenance.
4 Assembly instructions.

1 Description of components.



Locking components

1. Body.
2. Pressure wedge.
3. Cover.

Standardized components

4. **Screw**, DIN 7380 M10x25.
5. **Pin**, DIN 1444 M10x34.
6. **Capscrew**, DIN 913 M 8 x 50 .

Description.

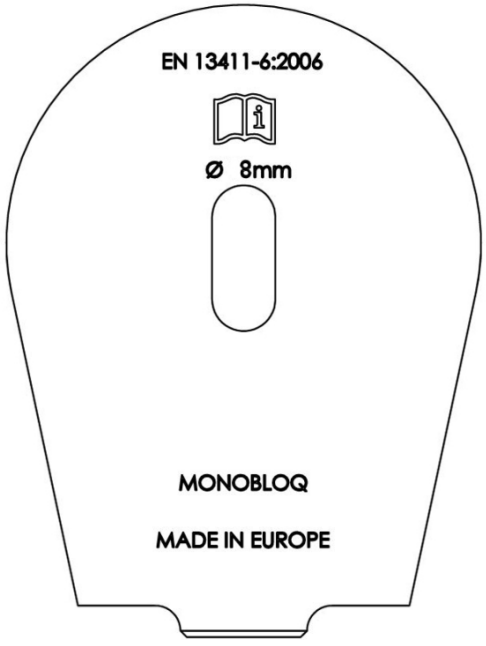
The Monobloq steel cable terminal allows the user to regulate the length of the cable in the pre-loading state and avoids irreversible damage to the cable once the loading operation is complete, preserving its mechanical properties and allowing it to be reused...

This model can accommodate steel cables of diameters: Ø8
Ø10

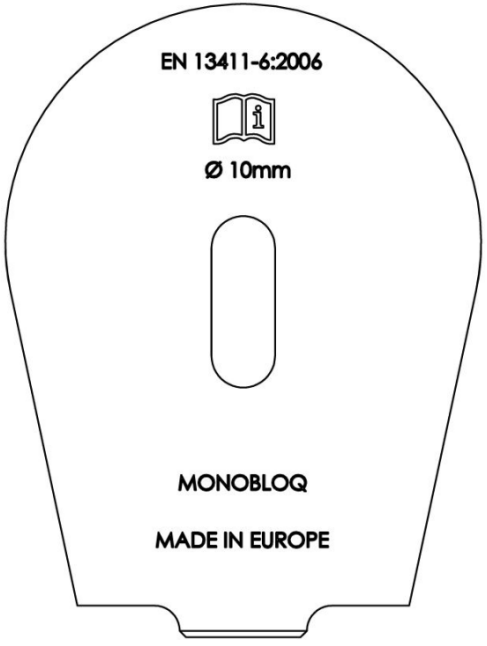
5/8" shackle anchorage connection

1 Description of components.

The Monobloq body can accommodate cables between 8 and 10 mm. To operate with each of these diameters, the corresponding pressure wedge must be used. In both cases the installation is done in the same way.

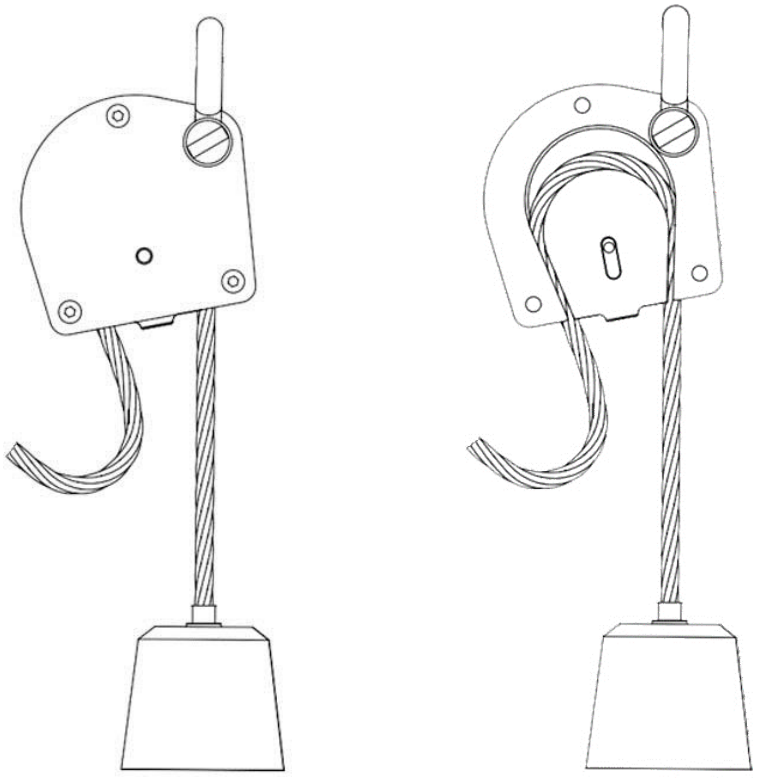


Cable wedge Ø8



Cable wedge Ø10

Monobloq in loaded state



Technical specifications

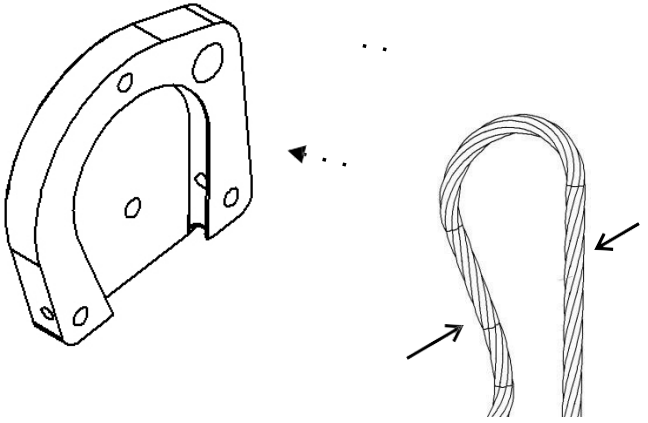
Weight: 1550g
Dimensions: 145 x 145 x 25 (mm)

Working load - Ø10 (WLL): 10 kN
Working load – Ø8 (WLL): 7 kN
Cable: 16x9 IWRC/FC according to DGUVI 215-313
Average wedge displacement in service: 5-10 mm.

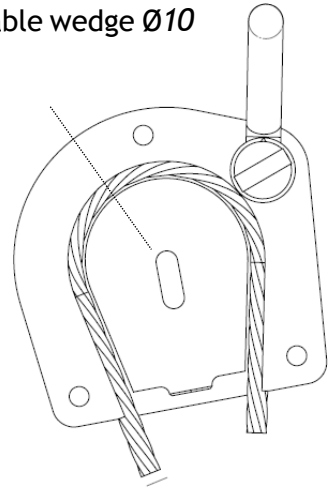
Materials:
- Body: Al 7075-T6
- Cams: Al 7075-T6
- Covers: AISI 304

Screw quality: 10.9

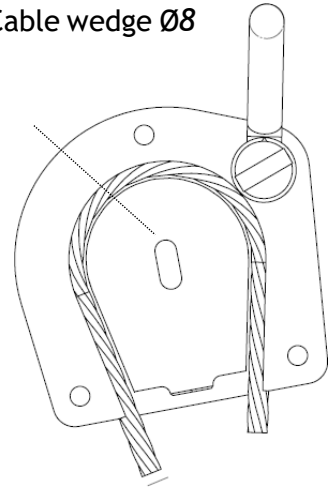
2 Installation and commissioning.



Cable wedge *Ø10*



Cable wedge *Ø8*



Installation

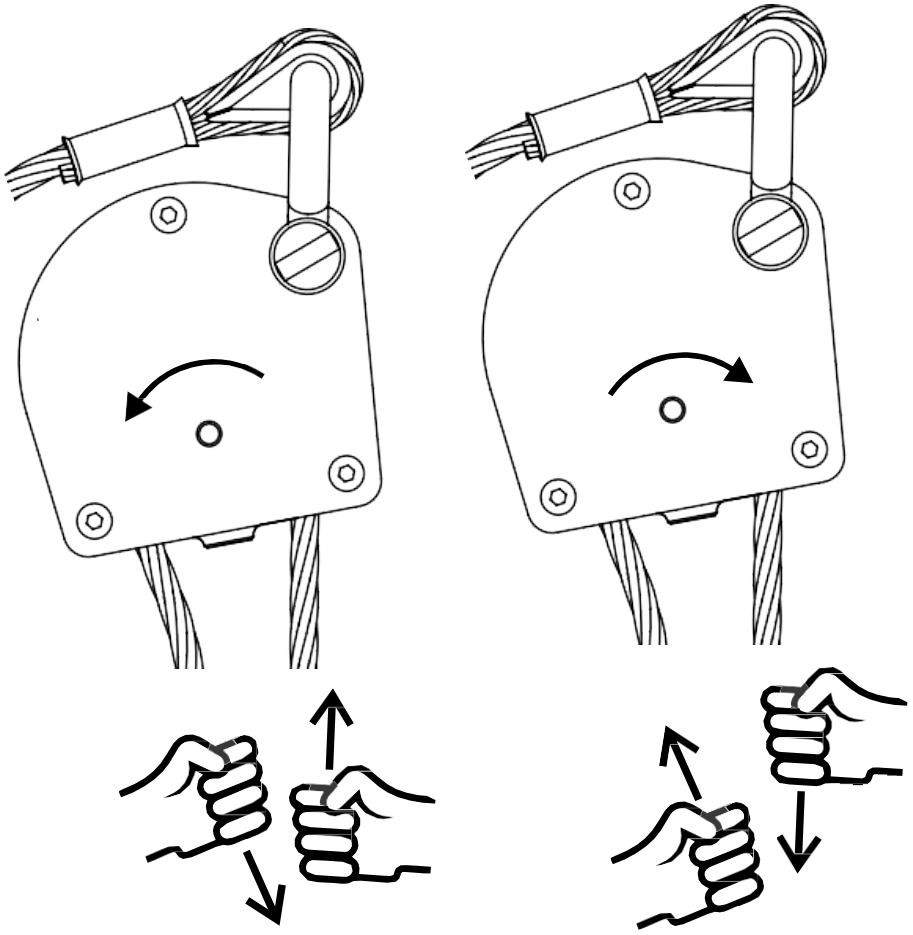
Opening the device. Disconnect the 5/8 shackle, the three cover fixing screws, remove the pin and loosen the grub screw.

Cable housing. In order to insert the cable into the device, it is necessary to bend the cable manually, making the curve as tight as possible, so that it acquires the shape of the body's groove and it is possible to insert it into the body.

Subsequently, place the pressure wedge in the body recess, close the cover by screwing the three fixing screws and place the shackle that will be attached to a resistant structural element.

NOTE: This model has two types of pressure wedge, depending on whether 8 mm or 10 mm steel wire rope is used.

2 Installation and commissioning.

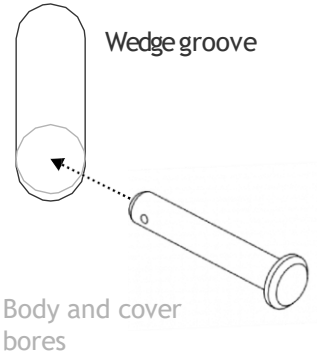


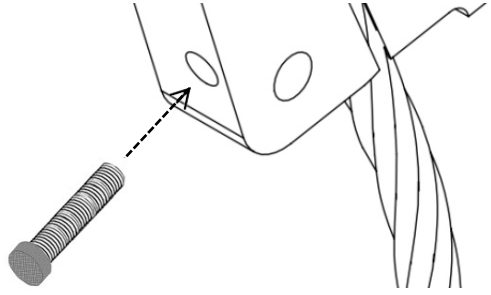
Commissioning.

Cable fixing. Once suspended from the shackle, the length of the cable can be adjusted by exerting two-handed effort in the desired direction of travel.

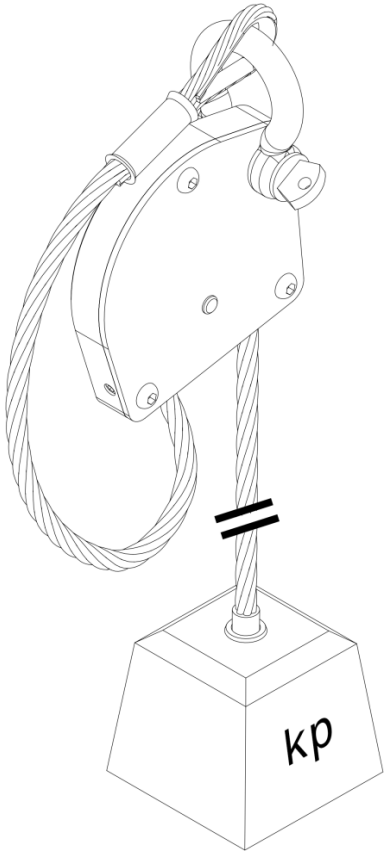
Then, to fix the cable at a given point, a manual load must be exerted (on the cable outlet under the shackle and the pin inserted when the groove of the pressure wedge aligns with the holes in the body and the cover.

Finally, insert the set screw on the side opposite the load until it is tightened.





2 Installation and commissioning.



Commissioning.

Visual checks:

• Debris or burrs that hinder the mechanism or actuation of the parts.
• Screws and tightening of the same.
• Areas affected by patina or rust.
• Clearly visible marking.

Mechanical checks:

1. Correct movement of the cable inside the device.
2. Locking of the device by pulling only one direction of the cable.

First use check:

During the first use of the device, it is recommended that a load test be carried out. Check the correct operation of the device and the absence of deformations or defects.

3 Repairs and maintenance.

Maintenance.

Maintenance work shall be carried out by suitable and competent personnel.

• These will consist of the visual and mechanical checks described above and the observation of the
possible wear suffered, especially in the channel through which the cable runs.

• The maintenance of the components must be carried out every 6 months or 1000 hours of use and must be recorded on the record sheet with date and identification of the person responsible for it.

Repairs.

Replacements of damaged fasteners will be allowed provided they are of the same model and quality.

• No welding or chemical bonding will be allowed due to breakage or deterioration of any part.

• The substitution of elements such as the body and the cover by others of different geometry and/or constitution is not allowed. Only the substitution of such elements by the same ones and through the manufacturer company are possible.

Inspection and control.

A thorough post-installation check should be made to ensure that the regulator is operating normally under the above numbered loads.
This examination includes visual and mechanical tests with specialized tools for the verification of loads and forces supported.

4 Disassembly instructions.

Disassembly.

Once the load has been removed, disconnect the Monobloq device from the shackle. To unlock the wedge and allow the cable to move, the grub screw must be repositioned and a slight effort must be applied in the opposite direction to the load.

The pin and the three fixing screws must then be removed to remove the cover and expose the system.

To remove the wedge, it is necessary to fully accommodate the cable in the body channel. In the case of operating with cable diameter 10, the removal of the wedge must be done by using a lever movement between the wedge and the cable on the side.

The cable is removed by manual bending.

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