

7.0 - GROUTING OF "M" ANCHORAGES

"M" anchorages can be grouted in two ways whose procedures must be defined with the company before any activity on site is started.

The two grouting methods available are:

- grouting with temporary or permanent cap,
- grouting with infilling,

7.1 -Grouting with temporary cap



The cap is made up of a cover equipped with a sealing gasket fixed to the casting by means of suitable anchorages which vary in length and size depending on the several applications. A special closing disc tightens the sealing gasket and the cap to the grouting. The disc allows to turn the cap into the most suitable position to allow all the air to come out of the vent tube.



The most used system for grouting consists in re-usable caps. This system allows a homogenous infilling without air bubbles when using both "M" and "G" anchorages.

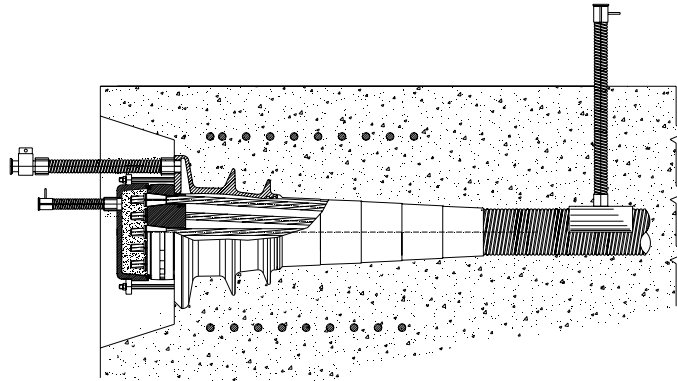


Gasket for caps

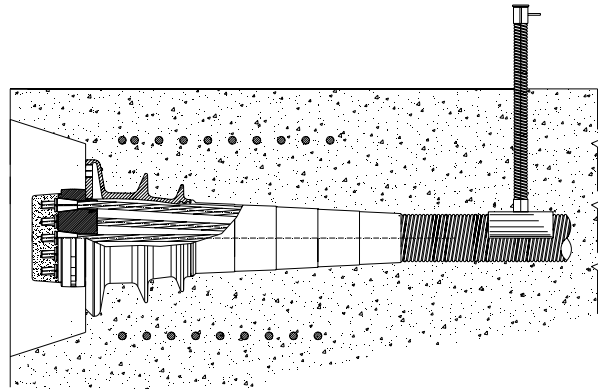
The metal cap, complete with a sealing gasket, restrains the grouting to the anchor plate side. Grouting is carried out from the gas $\frac{3}{4}$ " or $\frac{1}{2}$ " hole on the casting. The mix enters this hole, the vent is always on the cap and provided with gate valve.



The properly mounted cap allows grouting under pressure and the total coverage of both wedges and strand protrusions from the anchorage. Qualified operators shall always be employed to carry out the installation of devices and accessories.



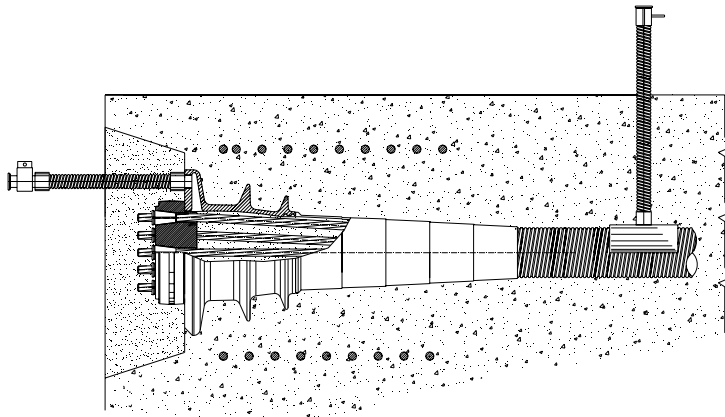
Grouting with temporary cap



The removed and properly treated cap can be reused on several anchorages

7.2 - Grouting by infilling

Grouting can be carried out by means of a simple padding using expanding mortar, which must respect the proper covering of the metallic parts of the anchorage.

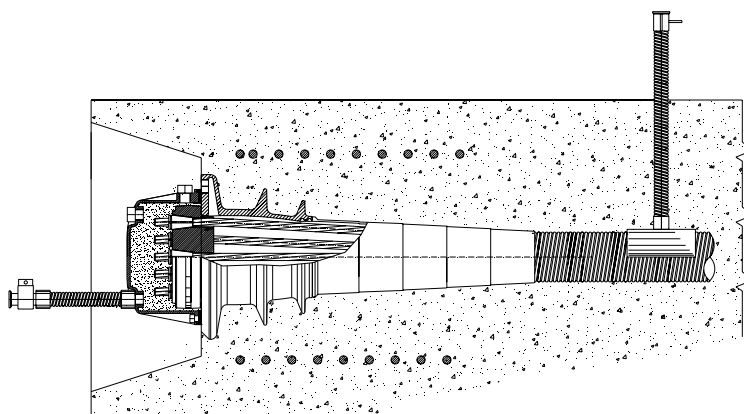


Grouting by infilling

7.3 - Grouting with DD-KP permanent cap (double protection)



The DD-KP cap is made of polyethylene and together with a MEP or MX anchorage guarantees a double protection to corrosion. The DD-KP cap is provided with plugs to guarantee a correct grouting and vent when filling it.



Cap grouting.

