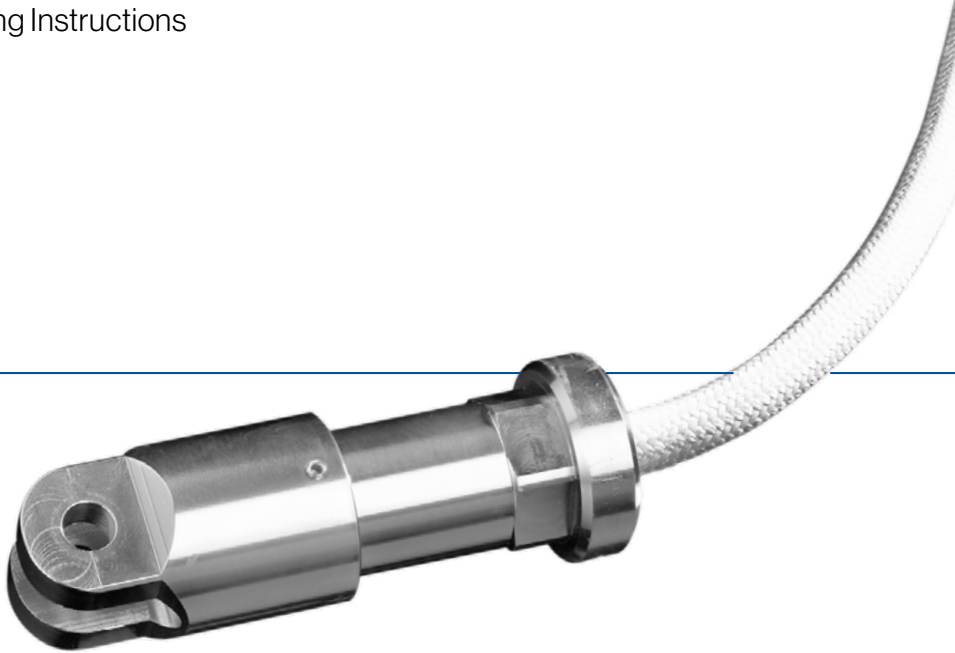


# STRATOS<sup>®</sup> Winch Pro

## Grouting Instructions

Rope No.:



# Grouting Instructions

Teufelberger recommends the following procedure for independent casting.

## Necessary Utensils:

- Adhesive tape
- Sharp knife
- Vice to hold the rope during the grouting process
- Sandpaper and/or wirebrush
- Metal saw
- Wire bow (approx. 10 - 15 cm long piece of wire with a diameter of 1-2 mm, bent approx. 1 cm at 90° at one end)
- Resin + hardener\*
- Container for mixing\*
- Syringes\*
- Grouting cone

\* Components of the Teufelberger grouting set

## Instruction



**Unscrew** the grouting cone. The part of the grouting sleeve that is intended for grouting must be free of grease and oil.



**Measure** the length of the grouting sleeve.



**Wrap** the rope in the area of the lower end of the grouting cone with an adhesive tape so that the now marked rope length is approx. 1 cm longer than the length of the grouting cone. This prevents the sheath from fraying and at the same time marks the end of the grouting area.



**Cut** the rope straight with a knife/scissors and push the grouting cone over the rope until it protrudes approx. 5 mm beyond the grouting cone.

Then **push** the rope out of the cone so far that the tape marking is fully visible. Now carefully fix the rope vertically on the underside of the grouting cone with a vice.

**Cut** the rope cover slightly at the end of the rope and unbundle the sheath braid. Now untwist the rope braid into its individual twists. It is important to untwist the rope strands and the cover completely in order to create the largest possible surface for the resin and thus increase the grouting strength.



**Mix** the pre-dosed components resin + hardener together in the mixing bowl. Stir for approx. 2 minutes.

**Wrap** the outer thread of the grouting cone completely with the adhesive tape. The tape must extend at least 5 mm beyond the cone. This creates an extension of the grouting cone and the resin can now be filled up to the opening of the grouting cone without leaking. This protrusion is important because the resin loses volume during curing and only in this way is the entire cone area filled with resin even when cured.



1) The broom base must be moistened with the grouting material step by step until all fibers / twists are soaked.



2) Pull the grouting brush into the grouting sleeve until adhesive tape appears at the bottom of the hole. In order to reduce leakage of the resin onto the rope, Teufelberger recommends sealing the transition between the grouting and the rope sheath in this position once again with an additional adhesive tape.

3) The individual fibers must reach over the upper edge of the grouting sleeve in the „pulled-in“ state.

4) The grouting cone must be completely filled with grouting material. The ring of adhesive tape created during preparation serves as a reservoir for the grouting material seeping into the grouting cone.

5) **IMPORTANT!** Use a „wire bow“ to let the resin penetrate sideways to the bottom until there are no more air bubbles.



6) The wire bow for working in the resin must have a  $\varnothing \leq 3\text{mm}$ . Make sure that the fibers are not pushed towards the grouting base.



7) The resin must finally cure. A drying time of at least 12 hours is recommended, ideally at an ambient temperature of  $>15^{\circ}\text{C}$ . After the resin has dried completely, the protruding rope strands are cut off with a metal saw and the thread of the grouting cone is cleaned of resin residues with sandpaper or a wire brush.



**⚠ CAUTION**

Depending on the care, accuracy and experience of the person carrying out the work, MBLK reductions of 0 to 25 % are possible!

The rope is now ready for use!



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