

Installation instructions for Nestor Mech Seals



Required equipment when used with Nestor St Closures

- Nestor Mech Seals according cable type and total amount of cables or microducts
 - LV2725 Nestor Mech Seal 6 x 7 mm
 - Suitable for cable or duct diameter range Ø 5-7 mm
 - LV2543 Nestor Mech Seal 6 x 10 mm
 - Suitable for cable or duct diameter range Ø 7-10 mm
 - LV2544 Nestor Mech Seal 4 x 15 mm
 - Suitable for cable or duct diameter range Ø 11-15 mm
 - LV2545 Nestor Mech Seal 2 x 18 mm
 - Suitable for cable or duct diameter range Ø 14-18 mm
 - LV2546 Nestor Mech Seal 2 x 23 mm
 - Suitable for cable or duct diameter range Ø 19-23 mm
- Hexagon key (5 mm)
- Torque wrench
- Cleaning cloths and cleaning liquid or ready-to-use wet cleaning wipes
- Cable or microduct installation accessories

Preparation

- Remove the cover plugs from the seal according to the number of cables being terminated.



- Put the seal through the cable(s).



- Strip the cable sheath according the cable manufacturer instructions. If you use microducts, cut the duct to a suitable length. You can find guidelines and more information about cable and microduct handling from Nestor Cables website in Cable information section.
- Perform the cable or microduct installation and termination work as usually and according Nestor Cables Ltd. guidelines. However, do not close the joint closure yet.

Installation

- After the cable or microduct installation is finished, the Nestor Mech Seal can be installed in order to seal the system.
- Take the seal from the cable and bring it close to the oval inlet of the Nestor St Closure.



- Before installation, check that the seal and oval inlet are both completely clean. Make sure that there is no sand, dust, dirt or any other unwanted particles on the seal, cables or microducts or inside the oval inlet. Clean all surfaces with cleaning liquid and cloths if necessary.

- Slide the seal carefully into the oval inlet of the Nestor St Closure. Try to avoid unnecessary bending or rotating the cable or microduct. Slide the seal so far that its front flange goes inside the oval inlet.



- When everything is set up, the screws in the seal can be tightened. The tightening should be done by using 5 mm hexagon key and a torque wrench. Install the screws with hex key and finally set these to 8 Nm torque with a torque wrench. Do not overtighten, it may damage the cable or microduct or even break the seal.



- After the screw tightening, the installation can be checked by trying slightly to rotate and bend cable or microduct when grabbing from next to the seal. Do not use too much force. If you feel that the cable or microduct is loose, you might have to choose another Nestor Mech Seal designed for smaller diameters.



- Close the joint closure as usually and according Nestor Cables Ltd. guidelines.