

Creating a Clamp-Collar Connection with Special Spiral-Extruded Hoses from MASTERDUCT

Required Parts:

- Spiral-extruded hose
- PU hose sleeve
- Hose sockets or pre-formed sockets with required connection geometry
- Pair of clamp-collars with mounting screws and nuts

Required Tools:

- Hexagon socket screw key suitable for the clamp-collar mounting screws
- Longer setter screws for pre-mounting the clamp-collars

Mounting Instructions:

- 1.) Free the end of the wire on the hose to be connected and bend inwards. Please ensure that the bare wire is in direct contact with the metal muzzle.
- 2.) Grease the hose muzzle and insert the socket in the hose. Please ensure that that the inwardly bent wire is not too long and is not visible outside the edge of the hose muzzle.
- 3.) Place the loose PU hose sleeve on the end of the hose. Please ensure that the sleeve is not closed. A gap of approx. 2 - 3 cm must remain.
- 4.) Place the loose clamp collar parts over the sleeve and slightly tighten the longer setter screws.
- 5.) Close the clamp collar parts on the opposite side to the opening in the PU hose sleeve. Please ensure that no material curves or distorts between the clamp-collars and the PU hose sleeve.
- 6.) Now replace the longer setter screws in the now closed clamp-collar parts with the original mounting screws.
- 7.) Close the open side of the clamp-collars using the longer setter screws. Please ensure that the closing clamp-collars squeeze the PU hose sleeve material towards the open side and the gap in the PU hose sleeve becomes smaller.
- 8.) Now, replace the longer setter screws with the original mounting screws and tighten the clamp-collar parts.



Important:

- When fully mounted, the clamp-collar parts should not be touching each other (a gap must remain to enable tightening at a later stage)
- All mounting screws should be tightened with the same force
- The hose sleeve must not be distorted between the clamp-collars
- The gap in the hose sleeve must not be closed and should remain at all times