Hose tail acc. to EN 14420-2

Clamp hose straight in a smooth vice. Cut with a sharp knife straight, at a right angle.

Position SPANNLOC hose clamps.

Grease all bolt threads prior to assembly. First use two long assembly bolts*), tighten evenly / crosswise.

After removing the long assembly bolts firmly tighten the Spannloc screws crosswise.

*) see catalogue page 297

A remaining space between the clamps should be parallel.
Hydrostatic Testing of Aircraft Refuelling Hoses

Prior to commissioning, aviation hose assemblies should be pressure tested.

Our hoses are tested twice before delivery: at ContiTech hose production and after assembly by ELAFLEX, with test pressure of 40 bar.

The test procedures for used aircraft refuelling hoses are described in the JIG Guidelines.

**ELAFLEX test according to EN 1361 / API 1529:**

- New aviation hose assemblies are tested by twice the highest permitted working pressure (working pressure 20 bar = test pressure 40 bar).
- The hose assembly ideally lays in a straight line
- Before testing all air is bled off
- During testing we check for hose or coupling leaks, bubbles, deformations, twist / torsion, undue hose elongation, coupling attachment

**Measuring Electrical Continuity**

Aircraft refuelling hose assemblies are designed for safe electrostatic dissipation.

Aviation hoses are differentiated by 'Ohm' hoses (type C and F) and 'M'-hoses (e.g. type B, for army use only). The resistance shall not exceed

- \(10^6\) Ω for 'Ohm' hose assemblies
- \(10^2\) Ω for 'M' hose assemblies

between hose couplings.

**ELAFLEX test according to EN ISO 1361 / 8031:**

- Electrical continuity testing is done after hydrostatic testing
- The hose assembly should be completely empty (no medium within the hose)
- Measuring is only done on dry and non conducting ground (e.g. no metal, no wet surface)
- Contact between hose covers is avoided (not reeled up)
- Measuring is only done from coupling to coupling
- Electrodes of testing instrument must not be touched during measuring
- ELAFLEX only deliver aircraft refuelling hose assemblies with an electrical continuity between \(10^3\) and \(10^6\) Ω for 'Ohm' hoses and < \(10^2\) Ω for 'M' hoses