

Bulletin MAXIMATOR- high pressure tubing

MAXIMATOR high pressure tubing are made of high quality cold worked stainless steel and are seamless. They are used in all scopes of the high pressure technology at extreme pressures for fluid and gas. At the work with high pressure tubing some special has to be observed:

- The tubes must be protected against the heating over 400 °C because of the cold worked stainless steel. A heating higher then this leads to a lost of stability of the material.
- The tubing must not be welded or soldered because this leads to strong heating.
- When bending the tubes the minimum bend radius must be strictly adhered. A smaller bend radius leads to stronger stresses and strains of the tubes. The tube must not change the shape of the profile. Buckling must not result at bending. It is advisable to use a bending fixture with tool complementary to the tube diameter.
- Autofrettaged tubes lost their higher endurances while bending. That is the reason why the tubes should be bended before the Autofrettage process.

