



XG27-900



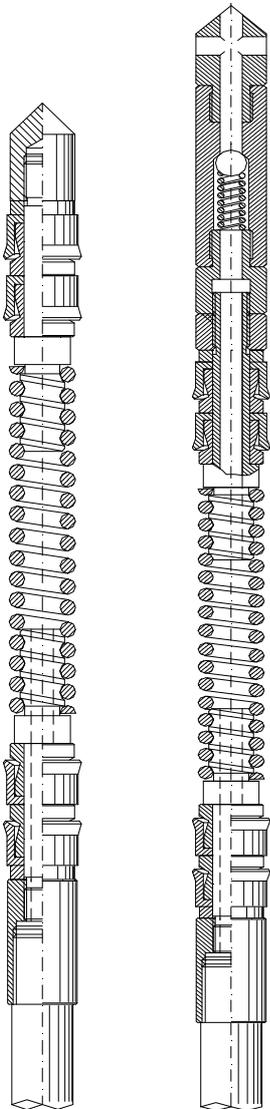
XG27-600

The double piston for I.R.S. groutings type XG27-600 is produced with a highly resistant spring, allowing flexibility; it compensates for the natural deviations of the valvate tube and guarantees selective grouting (I.R.S.) of the manchette valves up to a max. pressure of 46 bar.

**I.R.S. groutings must only be carried out by using the XG27-600 double piston.**

The tube cleaning XG27-900 double piston is produced with a highly resistant spring, allowing flexibility; it compensates for the natural deviations of the valvate tube.

It differs from the model XG27-600 for a precalibrated valve placed on the tip that allows the reflowing of the fluids in the valvate tube as the double piston is inserted.



XG27-600

XG27-900



XG27-600 flexible double piston end cap with PO27 gaskets



Non return valve on XG27-900 double piston tip



PO27 gaskets



PO28 gaskets

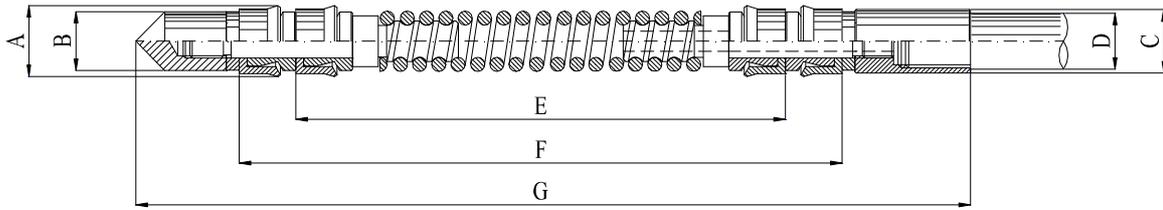
PO27 gaskets are suggested for 32.5 cement mixtures or for low-temperature applications, they are softer and more sealing sensitive.

PO28 gaskets are suggested with 42.5 cement with additives and for high-temperature applications, they are more rigid and resistant to wear, but less versatile at low temperature.

PO27 and PO28 double piston gaskets are made of a special polyurethane that guarantees a perfect cleaning after use and an operating pressure up to 150 bar.

The tube used for I.R.S. valve grouting in the T001 tube complies with the standard EN 1537. The tube used is 10x21 mm and is identified in the operating instructions in connections with the double piston. The tube can be easily threaded manually on site, with a 1/2" gas thread cutting die on each end. Particular care shall be paid when making the thread and screwing it on the double piston, as the device is used under pressure.

**XG27-600 double piston** (double piston for I.R.S. groutings)

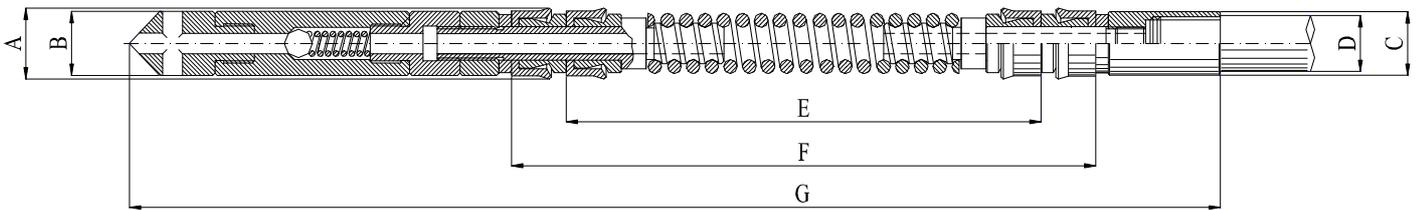


Double piston type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
<b>XG27-600</b>	26 ± 0.5	25 ± 0.5	25 ± 0.5	21-0.2 +0.4	375	420	510

Subject to change

Dimensions in mm

**XG27-900 double piston** (double piston for T001 tube cleaning for I.R.S. groutings)



Double piston type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
<b>XG27-900</b>	26 ± 0.5	25 ± 0.5	25 ± 0.5	21-0.2 +0.4	375 ± 1	420 ± 1	610 ± 1

Subject to change

Dimensions in mm

**20.6 I.R. groutings**

**I.R.** grouting is carried out with 15x21 mm **T003** U-shaped tubes with manchette valves in PVC stabilized.

The **T-003-U** allows a grouting-vent (cleaning) for recirculation (valves cannot be grouted simultaneously). The repeated groutings at the anchor allow to open different valves by applying a maximum pressure of **60 bar at 40°C** (burst pressure **90 bar at 40°C**).



15x21 valvate tube with manchette valves



TPE 08-A ground anchor

The valvate 15x21 mm **T-003-U** tube for repeated grout is made of stabilized PVC with resins additives to guarantee the flexibility to allow its rolling up on a 2.2 m diameter.

**T-003-U** tubes allow the simultaneous grouting of the valves, applying repeated grouts to the anchor (after each grouting cycle the tube must be washed). The **T-003-U** tube can lead to a valve opening pressure of max. **100 bar**.