

XL TAPPING UNDER OPERATING PRESSURE!

JOINTING AND TAPPING OF EF SADDLE SA XL d 500/250 ON A WATER PIPE (SDR11) UNDER OPERATING PRESSURE

The solution to integrating a branch line under operating pressure and without effecting the water transport could be found in the spigot saddle SA XL, an economical alternative characterised by simple installation, easy handling, and short processing times.



The solution and economical alternative to a spigot Tee for integrating a branch line under operating pressure was provided by the spigot saddle FRIALEN SA XL characterised by:

simple installation – easy handling – short processing times

The spigot saddle FRIALEN SA XL allows to install large dimensional branches on main pipes with little effort, minimum excavation work, and above all without disruption to the supply. The spigot saddle features a vacuum clamping for mounting on the pipe. This clamping method does not come with an underclamp and does not require access around the pipe. It needs only an access window, not bigger than the saddle itself, for clamping during the fusion cycle.

Before the branch can be jointed with the saddle, a shut-off valve must first be installed as a tapping lock. This allows the tapping of the main under operating pressure and without disruption to the drinking water supply. After a cooling time of 60 min (30 min in vacuum), a final pressure test of the saddle joint could be conducted through the shut-off valve and, following positive findings, the main pipe is tapped swarf-free through the large d 250 (d 194) outlet diameter.

TO SUM UP:

The planners, developers, and installers rated the whole process (construction site training / instruction) very highly and were impressed by the smooth series of steps involved in the fast, simple installation of a branch under full operating pressure on a drinking water pipe.

A project of this significance for drinking water supply may not cause any disruption to pipe operations – so FRIATEC is first choice.

BRANCH d 250

"Wasserversorgungsverband Tecklenburger Land" (WTL) intends to install a branch on a d 500 drinking water pipe. Owing to the significance for supply, there must be no disruption to operations.



Measure:	Branch installation on a drinking water main d500
Building site:	Ibbenbüren, Tecklenburger Land
Developer:	Wasserversorgungsverband Tecklenburger Land (WTL)
Installed by:	Köster GmbH, Osnabrück
FRIALEN XL:	SA-XL d 500/250 / UB d 250
FRIATOOLS:	Fusion units FRIAMAT prime, Vacuset XL

