**Express New joint / Express New Vi joint**

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<th>Express New joint</th>
<th>Express New Vi joint</th>
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The contractor is responsible for analyzing and eliminating any risks during installation (especially the use of personal protective equipment).

1. **CLEAN**

   Carefully **clean** the inside of the socket, the spigot and the gasket.

   Keep all parts clean until assembly has been completed.

2. **LUBRICATE**

   Using a clean paintbrush, **lubricate** the inside of the socket, the inside of the gland and the gasket.

3. **MARK THE INSERTION DEPTH**

   **Marking** from the spigot A=11cm and B=2cm with a tape measure or with the template provided.

   ![Marking Diagram]

   After cutting a pipe, Express New and Express New Vi joints are directly fitted, no need to recreate the chamber on the spigot, a deburring is needed.

4. **MOUNT THE ELEMENTS ON THE SPIGOT**

   ![Mounting Diagram]

   The joint must be properly installed (gland position is specified)
Express New joint / Express New Vi joint

5 ASSEMBLE THE ELEMENTS

Put the fitting on the spigot equipped with the gland and the gasket.

6 TIGHTEN THE BOLTS

Lubricate the bolt threads with mechanical grease.

Tighten the bolts with a torque wrench in successive passes.

Bolt torque values:

• **Pre-tightening:** 2 daN.m
Express New joint / Express New Vi joint

Angular deflection

Values (for guidance only) for a 6-meter pipe from DN 60 to DN 150.

The pipe must be perfectly aligned with the fitting.
The pipe must be deflected after pre-tightening but before final tightening.

- Final tightening DN60 to DN150:
  - Express New 14 m.daN
  - Express New Vi 10 m.DaN

Express New and Express New Vi bolts need to be tightened with a size 27 ring spanner.

7 INFORMATION

Check that the nuts are tight:
• When installing several successive fittings
• After hydraulic testing

Re-tighten if necessary.

Failure to observe the tightening rules could lead to the risk of leaks.