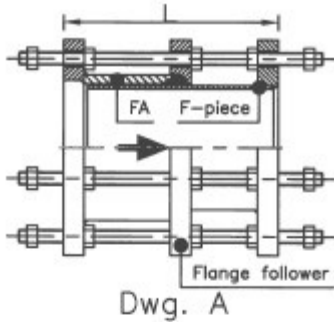
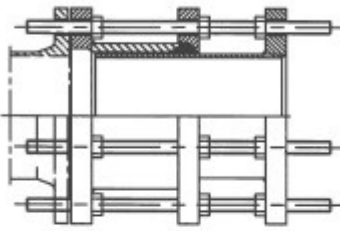


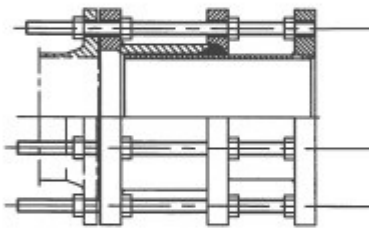
INSTALLATION INSTRUCTION Dismantling JointPAS20 Restrained with 100% tierods



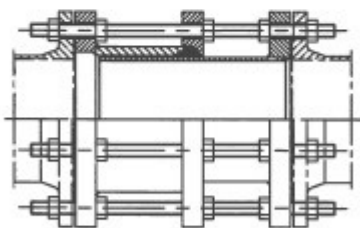
Dwg. A



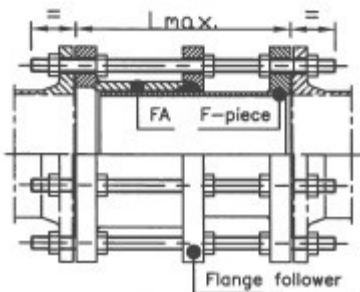
Dwg. B



Dwg. C



Dwg. D



Dwg. E

PAS-20 dismantling joints are supplied fully assembled, including all fasteners. They are issued in Medium length; so L can be increased or decreased by 25mm. See Dwg. A

2. Clean flange faces, removing any oil or unintended surface material. Remove all nuts and washers from the flanges. Align the flange adaptor (FA) with the mating flange, while inserting the flange-gasket*. See Dwg. B

3. Insert the tierods in the flange bolt-holes to an evenly balanced length of the PAS20. Assemble nuts and washers. See Dwg. C

4. Position the other flange (e.g. a flanged pipe, valve or pump) against the mating flange (F-piece) while inserting the flange-gasket*. Insert some tierods into the bolt-holes. Apply the nuts and washers, tightening sequentially, i.e. top to bottom, side to side etc. ensuring that all tie rods are evenly positioned. See Dwg. D and Dwg. F

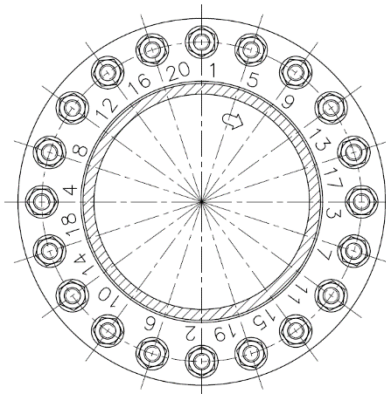
5. Adjust the position of the tierods if necessary. See Dwg. E. Assemble the remaining nuts and washers. Tighten equally and sequentially at 10Nm per bolt, ensuring all nuts have a uniform torque.

6. Tighten the nuts against the flange follower, sequentially and equally to 10Nm per bolt, ensuring all nuts have a uniform torque of 120Nm. Make sure the pipe sealing-ring remains undamaged while being visibly compressed.

7. After 24 up to 48 hours re-torque all nuts. Prior to testing and/or before going into full operation, also re-torque all nuts.

* = not supplied by TALIS Benelux B.V.

Every installation and tightening of bolts and/or nuts depends on the situation on site and must be supervised by the mechanic / engineer in charge. Torques are quoted for guideline purposes only and are not covered by TALIS Benelux B.V. warranty.



Dwg. F: The sequence of tightening bolts or nuts