



# ÖZKAN

lead water to the next level

## DISMANTLING JOINT

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# DISMANTLING JOINT ASSEMBLY & MAINTENANCE MANUAL

## 1. STORAGE PRIOR TO INSTALLATION

- Dismantling joints should be kept in a clean environment and sealing rings must be shielded from direct sunlight. Dismantling joints should be stored on wooden pallets and must not directly touch the soil. Dismantling joints must be protected from mechanical damages during storage period.
- Studs and nuts must be protected from mechanical damages during storage. It will not be possible to fasten the nuts, if stud threads get damaged.

## 2. ASSEMBLY

- Dismantling joints should be thoroughly checked for damages that may have occurred due to rough handling and faulty transport. Sealing rings of dismantling joints should be inspected, if the equipment has been kept in storage for a long period of time. Especially in hot climates, rubber sealing rings get hardened and lose their sealing capability. Sealing rings should be carefully checked prior to installation and replaced if necessary.
- Pipeline flanges must be in the same axis and the flange faces must be parallel where the dismantling joint is going to be installed. Non-parallel counter flange faces and axial differences between pipes will lead to leakage from flange connections.
- Lifting eye located on top of the retaining flange should be used for lifting the dismantling joint. Special care should be taken not to damage the studs while securing the dismantling joint to the lifting equipment.
- Dismantling joint should be installed according to its assembly length. If the dismantling joint is installed in a wider space than the assembly length given in our catalogue, it will not be possible for the sealing ring to provide its duty and the dismantling joint will leak. If the dismantling joint is installed in narrower space than the assembly length given in our catalogue, than it will not be possible to reduce the size of the dismantling joints when it is necessary to uninstall the valve connected to the dismantling joint.

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### **3. MAINTENANCE**

- Dismantling joints are designed for maintenance-free operating life.
- Assembly length of the dismantling joint should be checked if the dismantling joint leaks. If the dismantling joint is installed in a wider space than the assembly length given in our catalogue, leakage will stop as soon as this mistake is corrected.
- If the assembly length is correct and the dismantling joint is still leaking, than the sealing ring of the dismantling joint should be replaced. In order to uninstall the damaged sealing ring dismantling joint should be removed from the line and disassembled by removing the nuts that are holding the flanges in place. After disassembling the dismantling joint, damaged sealing ring can be replaced and the dismantling joint can be reinstalled to the pipeline.
- Coating can be repaired with epoxy touch up paint. Damaged place should be cleaned from rust, dust and oil. Touch-up paint can be applied after cleaning the damaged area.

### **4. DISASSEMBLY**

- Both the downstream and the upstream sides of the dismantling joint that is going to be disassembled should be discharged.
- All connection nuts should be removed.
- Dismantling joint should be lifted with the help of a crane and stored according to the storage instructions.

### **5. SPARE PARTS & SERVICE POINTS**

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