

Material Specification – 37

DISMANTLING JOINTS

1. GENERAL

Dismantling joints are telescoping flanged fittings that can be lengthened or shortened to facilitate the assembly and disassembly of pipe runs. The assembly consists of a flanged coupling adapter, a flanged by plain end piece with associated gasket, nuts, and bolts. The minimum assembly tolerance shall be 2-inches.

2. SERVICE

Dismantling joints may be installed on DI, steel, and PVC pipe.

The working pressure for dismantling joints is 150 psi, unless otherwise specified. Components shall also be suitable for exposure to chloraminated water.

3. SIZES

This Specification covers dismantling joints in 3-inch through 20-inch nominal diameters.

4. MATERIAL

- A. Carbon steel for the outer body and inner body shall be in accordance with AWWA C200.
- B. Carbon steel for the flanges shall be in accordance with AWWA C207.
- C. Carbon steel for the end ring shall be in accordance with AWWA C219.
- D. DI for the outer body, inner body, flanges, and end ring shall be in accordance with ASTM A 563, Grade 65-45-12.

5. GASKET

Rubber gasket material shall be in accordance with AWWA C219.

6. FLANGES

Flanges shall be machined to a flat face with a serrated finish in accordance with AWWA C207. Carbon steel flanges shall be in accordance with AWWA C207, Class D. DI flanges shall be in accordance with ANSI B16.1, Class 125. Hollow-back or segmented flanges are not acceptable.

7. RESTRAINT MECHANISM

Dismantling joints shall be restrained flange to flange using tie-rods. Tie-rods shall be all-thread studs in accordance with ASTM A 193, Grade B7. Restraining gland systems are not acceptable.

8. COATINGS

Ferrous surfaces, except machined or bearing surfaces, shall be prepared in accordance with SSPC SP10. These surfaces shall then be coated with liquid epoxy in

two or more uniform coats or with fusion-bonded epoxy to a minimum DFT of 10-mils in accordance with AWWA C550. Machined flange faces shall be shop-coated with a rust-preventive compound; they shall not be painted or coated with the same coating as the body.

9. QUALITY CONTROL

The Manufacturer shall submit a written statement that the inspection and all specified tests have been completed and that results comply with the requirements of these Standards. Components in contact with potable water shall be certified to comply with NSF/ANSI 61, and a copy of the NSF/ANSI 61 certification shall be provided to Denver Water, if requested.

10. APPROVED MANUFACTURERS AND MODELS

Manufacturers	Models
Romac Industries	DJ400
Smith-Blair	975
JCM Industries	309 with tie-rods

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