Dismantling Joints DN350 to DN2400 (PN10)

Datasheet 1/2

Dismantling Joint
(For diameters over DN2400 contact Viking Johnson)

Note: Maximum Longitudinal Adjustment = Maximum Length – Minimum Length

Dismantling Joints (Standard Product)
Table provides details of standard product – for products offering longer flange dimensions and / or increased longitudinal adjustment contact Viking Johnson.

<table>
<thead>
<tr>
<th>Nom</th>
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<th>Flange Details</th>
<th>Flange To Flange Details</th>
<th>Tie Rod Details</th>
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<td>A (mm)</td>
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**Technical Information**

**Working Pressure Rating**
- Water - In accordance with the flange rating
- Gas 6 bar

**Vacuum Pressure**
Capable of accommodating a vacuum pressure of -0.7 bar

**Site Test Pressure**
1.5 times working pressure for short duration (2 hours)

**Angularity**
Dismantling joints are in essence double flanged pipe where the flange to flange dimension can be adjusted, and therefore are not able to accommodate any angularity.

**Bolt Torque/Spanner**
- M12: Torque 55-65Nm on every bolt
- M16: Torque 95-110Nm on every bolt

**Tie rods**
Torque is a function of the flange connecting gasket, not supplied by Viking Johnson; consult flange gasket supplier.

**Temperature Rating of Product**
- EPDM: -20°C to +90°C
- Nitrile: -20°C to +90°C

For use on applications with fluctuating and / or elevated temperatures (> -60°C) may require regular maintenance to re-tighten the bolts and must be included in any maintenance schedule.

**Approvals**
The following water contact materials used in Dismantling Joints are approved for use with potable water:-
- Rilsan Nylon 11:
  - WRAS, AS/NZS 4020, DVGW, W270, ACS & KIWA
  - EPDM Gaskets:
  - WRAS, AS/NZS 4020

In addition to the above, the flange adaptor component in the Dismantling Joint has as a finished product KIWA certification verifying that it complies with the requirements of the Water Supply (Water Fittings) Regulations for England and Wales 1999, the Water Byelaws 2000, Scotland and the Water Regulations Northern Ireland.

**Materials & Relevant Standards**

**Flange Drilling**
- BS EN1092-1
  - (formerly BS4504), ISO7005

**Fabricated Flange Adaptor Body**
- Rolled Steel to BS EN 10025-2: Grade S275

**End Rings & Sleeve Options**
- Rolled Steel to BS EN 10025-2: Grade S275
- Rolled Steel to BS EN 10025-2: Grade S355 (depending on section)

**Flange**
- Rolled Steel to BS EN 10025-2: Grade S275

**Spigot Options:**
- Steel Tube to BS10216-1:
  - Grade P265TR1
- Rolled steel to BS EN10025-2: Grade S275

**Gaskets**
- Standard:
  - EPDM to BS EN681-1: Type WA
  - Other gasket grades are available contact Viking Johnson.

**Coatings**
- **Flange Adaptor, Spigot & End Ring:**
  - Rilsan Nylon 11 to WIS 4-52-01 Part 1
- **Option 1 Flange Adaptor bolts & Nuts:**
  - Sheraplex to WIS 4-52-03
  - Steel Tie Rods/Nuts:
  - Zn³ Zinc coated

**Tie Rods, Studs, Nuts and Washers**
The following two options are as standard variants:-

**Option 1: Zinc Plated Steel**

**Tie Rods**
- ASTM A193 (Grade B7/MB7) equivalent to BS EN10269:+A1:
  - Name 42CrMo4 (Yield 725N/mm²)

**Tie Rod Nuts**
- ASTM A194 Grade 2H/M2H equivalent to BS EN20898-2:
  - Property Class 8.00

**Flange Adaptor Studs**
- Steel to BS EN ISO898-1:
  - Property Class 4.8

**Flange Adaptor Nuts**
- Steel to BS4190: Grade 4

**Flange Adaptor Washers**
- Stainless Steel to BS1449:Part 2:
  - Grade 304S15

**Option 2: Stainless Steel**

**Tie Rods**
- Stainless Steel to BS EN3506-1:
  - Grade A4 Property Class 70
  - (Yield 450N/mm²)

**Tie Rod Nuts**
- Stainless Steel to BS EN3506-2:
  - Grade A4 Property Class 80

**Flange Adaptor Studs**
- Stainless Steel to BS EN ISO 3506-1: grade A4
  - Property class 50

**Flange Adaptor Nuts**
- Stainless Steel to BS EN ISO 3506-2: grade A4
  - Property class 80

**Flange Adaptor Washers**
- Stainless Steel to BS1449:
  - Part 2: Grade 304S15