

# Installation Instructions

## 971 Non-Restrained | 972 & 975 Restrained Dismantling Joint

### **STEP 1**

Inspect the shipment received to ensure no damage has occurred during transit or storage and that no hardware is missing. Ensure the dismantling joint is the proper type and size prior to installation.

### **STEP 2**

Check the companion flanges to ensure that they match the flanges of the dismantling joint, are parallel, and are aligned axially.

### **STEP 3**

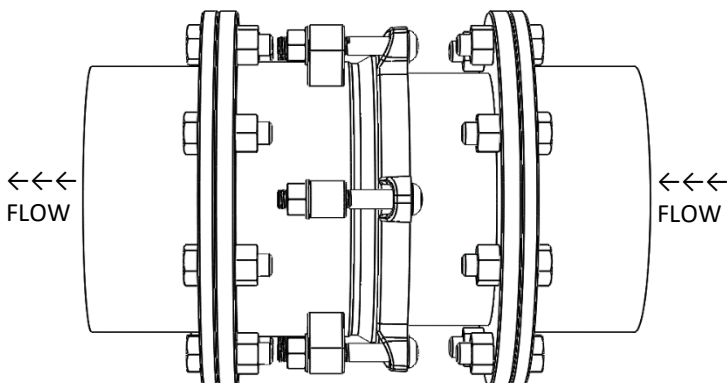
Thoroughly clean the companion flange faces. Remove any scale, dirt, or debris that could affect the gasket seal.

### **STEP 4**

1. For 971 models, loosen the follower flange bolts to allow the flanged spool piece to move freely within the flanged coupling adapter.
2. For 972 models, remove the all-thread rods to allow the flanged spool piece to move freely within the flanged coupling adapter.
3. For 975 models, remove the restraint rods, then loosen the follower flange bolts to allow the flanged spool piece to move freely within the flanged coupling adapter.

### **STEP 5**

Place the dismantling joint into position between the companion flanges (note the recommended orientation regarding line flow). Insert the appropriate flange gaskets (not provided) per job specifications, then bolt each flanged end hand tight to its companion flange. The flanged spool end should be concentric with the flanged coupling adapter.



**971 Non-Restrained Dismantling Joint**

### **STEP 6**

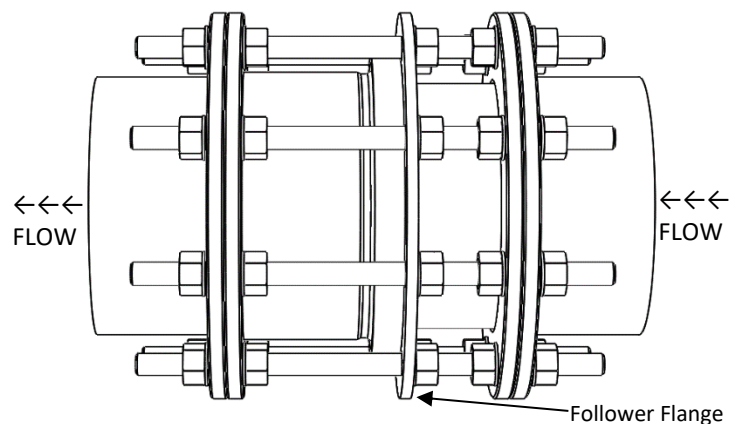
Lubricate the spool surface and gasket using a soap and water solution (anti-freeze may be required). All lubricant solutions should meet the requirements of the water and pipe supplier. Slide the follower flange and gasket into position, and hand tighten the follower flange nuts.

### **STEP 7**

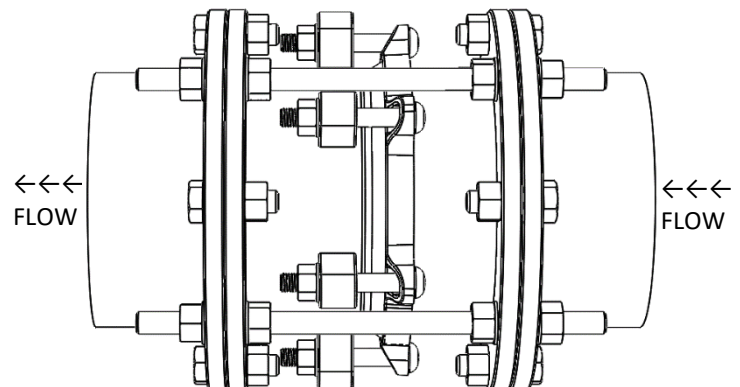
1. For 971 models, torque the nuts that secure the end flanges per job specifications.
2. For 972 models, torque the nuts that secure the end flanges per job specifications.
3. For 975 models, torque the nuts that secure the end flanges per job specifications, then insert the restraint rods and hand tighten the nuts into position.

### **STEP 8**

Uniformly tighten the follower flange nuts to 70 ft-lb by alternating between opposite sides of the follower flange to maintain concentricity. Re-torque after line pressurization.



**972 HD Restrained Dismantling Joint**



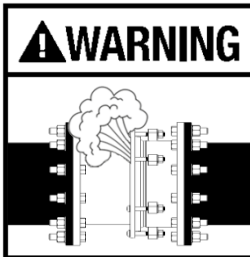
**975 Restrained Dismantling Joint**

# Installation Instructions

## 971 Non-Restrained | 972 & 975 Restrained

### Dismantling Joint

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**971 MODEL DOES NOT RESTRAIN PIPE MOVEMENT. Proper restraint is required to prevent pipe pull out. Failure to restrain or improper restraint can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.**

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**CORROSION & PRODUCT SELECTION NOTICE**

Metal products are subject to corrosion, particularly when used outdoors and/or underground. A large number of factors and local conditions affect the rate of corrosion. Consult a local corrosion expert to determine the life expectancy of this product when used with your pipeline content, soil, and environment. Also, consult your system designer to determine the suitability of this product in your piping system. Failure to determine the suitability of this product in your application, soil, and/or environment can result in premature product failure. Smith-Blair will provide additional information about this product's material specifications at your request. You may also obtain product information at [www.smith-blair.com](http://www.smith-blair.com).

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