



**Installation Instructions
421 Series Wide Range Coupling**

Please read installation instructions carefully!

**NOTE: This coupling is designed for stab fit.
Disassembly is not required.**

Step 1

Clean approximately 1 foot from each pipe and remove all labels, tape, grease, oil, or dirt from pipe surface. Ensure that pipe surface is smooth and free from gouges, corrosion, etc. where gaskets will contact pipe.

Step 2

Lubricate pipe surfaces with soapy water or other lubricant suitable for potable water.

Step 3

Slide coupling over pipe ends. If necessary, slightly loosen nuts to facilitate installation. If coupling will not stab fit, remove inner gasket.

Step 4

Center coupling sleeve over both pipe ends. Do not exceed recommended gap between pipe ends listed below. Do not exceed 4° deflection per end.

Step 5

Tighten epoxy-coated bolts on each end to recommended torque listed below. NOTE: Use of a torque wrench is recommended!

Step 6

Re-check bolt torque after line pressurization.

Nominal Size (in.)	Catalog Number	Overall Range (in.)	Lower Range (in.)	Upper Range (in.)	Maximum Gap (in.)	Torque (ft.-lb.)
2	421-02130295-031	2.13-2.95	2.13-2.60	2.50-2.95	1	50
3	421-03100420-031	3.10-4.20	3.10-3.56	3.70-4.20	2	50
4	421-04460560-031	4.46-5.60	4.46-5.05	5.00-5.60	2	60
6	421-06560760-031	6.56-7.60	6.56-7.05	7.00-7.60	4	60
8	421-08540985-031	8.54-9.85	8.54-9.15	9.15-9.85	4	60
10	421-10641183-031	10.64-11.83	10.64-11.18	11.13-11.83	4	60
12	421-12621367-031	12.62-13.67	12.62-13.06	13.10-13.67	4	70

Note: NOT FOR GAS SERVICE!

This product does not restrain axial pipe or product movement!

WARNING:

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®, Inc. will provide additional information about this product's material specifications at your request. You may also obtain product information at www.smith-blair.com.