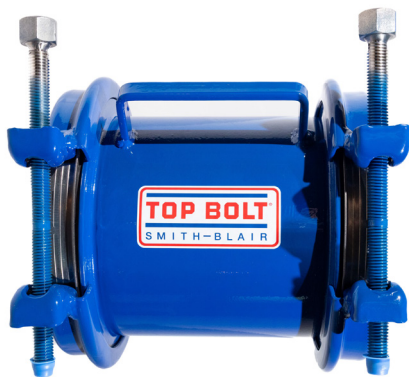


Top Bolt® 2 Bolt Coupling System (421 and 422)

Top performance. Bolt simplicity.

PATENT NO. 8,528,945 / 8,776,351 / 8,789,832



Ratings

Working pressure: Up to 260 PSI

Materials

Sleeve: Carbon Steel

Flange: Carbon Steel

Armor: Half hard 304 Stainless Steel

Gasket: Nitrile (Buna N)

Bolts: Type 304 Stainless Steel with Flexi-Coat® Fusion Bonded Epoxy Finish

Nuts: Heavy hex Type 304 Stainless Steel with fluoropolymer finish to prevent galling

Finish: Flexi-Coat® Fusion Bonded Epoxy Finish

Pipe Applications & Sizes

Pipe Applications: Steel, PVC, Ductile Iron, Asbestos Cement and Copper tube sizes, HDPE with insert

Sizes (in inches): 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24 and oversize version of 10", 12" 16", and 24"

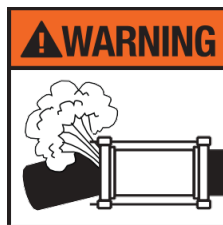
Powered by patented technology, Top Bolt seals fast and seals tight with fewer parts and less hassle than other couplings on the market. Discover rugged performance in a simple and lightweight, two-bolt design you can rely on. This coupling system simplifies your stock, speeds up installs, and holds strong under pressure.

Xylem's Smith-Blair Top Bolt® 2 Bolt Coupling System (421/422) accommodates a wide range of pipe ODs. Each coupling is made with a carbon steel sleeve and flanges with a corrosion resistant Flexi-Coat® Fusion Bonded Epoxy Finish.

To better suit your specific project, Top Bolt couplings are available in two sleeve lengths: 421 standard or 422 long sleeve.

Key Features

- Easy to install with only one bolt on each end to tighten
- Removable inner gasket for larger O.D.s
- Easily disassembled when necessary
- Bi-directional inner gasket can be reinstalled
- Corrugated armor reduces friction between gasket and armor, allowing better gasket seating; prevents armor from gouging flange finish, reducing possible corrosion points
- Reduces inventory with a wide range, up to 1.31 inches
- Deflection 4° per end
- Stab insertion of pipe ends
- Corrosion resistant Flexi-Coat® Epoxy Finish
- Epoxy coated 304 Stainless Steel hardware and fluoropolymer coated nuts to reduce galling
- Anode connectors available for additional corrosion protection
- Rated for up to 260 PSI working pressure



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Top Bolt® 2 Bolt Coupling System (421)

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Standard

Nom Size (in.)	Catalog Number	Overall Range (in.)	Lower Range (in.)	Upper Range (in.)	Width (in.)	Height (in.)	Sleeve Length	Laying Length	Max Gap (in.)	Approx. Weight lbs.
2	421-02130295-031	2.13-2.95	2.13-2.60	2.50-2.95	5.38	7.25	4	7.50	1	9
3	421-03100420-031	3.10-4.20	3.10-3.56	3.70-4.20	6.88	8.38	6	9.50	2	12
4	421-04460560-031	4.46-5.60	4.46-5.05	5.00-5.60	8.75	10.00	6	9.75	2	19
6	421-06560760-031	6.56-7.60	6.56-7.05	7.00-7.60	10.88	12.13	8	11.75	4	27
8	421-08540985-031	8.54-9.85	8.54-9.15	9.15-9.85	13.13	14.38	8	11.75	4	34
10	421-10641183-031	10.64-11.83	10.64-11.18	11.13-11.83	15.50	16.50	8	11.75	4	40
10 OS*	421-10641220-031	10.64-12.20	10" Side: 10.64-11.18	10" Side: 11.13-11.83	16.13	17.25	8	11.75	4	42
			10" OS Side: 11.05-11.56	10" OS Side: 11.56-12.20						
12	421-12621367-031	12.62-13.67	12.62-13.06	13.10-13.67	17.63	18.75	8	11.75	4	47
12 OS*	421-12621440-031	12.62-14.40	12" Side: 12.62-13.06	12" Side: 13.10-13.67	18.50	19.38	8	11.75	4	49
			12" OS Side: 13.14-13.78	12" OS Side: 13.73-14.40						
14	42115001688031	15.00-16.88	15.00-15.94	15.94-16.88	22.00	24.00	8.50	12.50	4	65
16	421-16001785-031	16.00-17.85	16.00-16.50	17.35-17.85	22.00	24.00	9	12.63	4	80
16 OS*	421-16001920-031	16.00-19.20	16" Side: 16.00-16.50	16" Side: 17.35-17.85	23.50	25.50	9	12.63	4	88
			16" OS Side: 17.15-17.95	16" OS Side: 18.45-19.20						
18	42119202130031	19.20-21.30	19.20-20.25	20.25-21.30	25.00	27.00	8.50	12.50	4	94
20	42121252335031	21.25-23.35	21.25-22.30	22.30-23.35	27.00	28.75	8.50	12.50	4	100
24	421-24002632-031	24.00-26.32	24.00-24.80	25.25-26.32	30.31	33.00	9	12.63	4	120

Top Bolt® 2 Bolt Coupling System (422)

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Long Sleeve Coupling

Nom Size	Catalog Number	Overall Range (in.)	Lower Range	Upper Range	Width (in.)	Height (in.)	Sleeve Length	Laying Length	Max Gap	Approx. Weight
2	422-02130295-031	2.13-2.95	2.13-2.60	2.50-2.95	5.38	7.25	8	12.00	4	11
3	422-03100420-031	3.10-4.20	3.10-3.56	3.70-4.20	6.88	8.38	12	16.00	8	16
4	422-04460560-031	4.46-5.60	4.46-5.05	5.00-5.60	8.75	10.00	12	16.00	8	26
6	422-06560760-031	6.56-7.60	6.56-7.05	7.00-7.60	10.88	12.13	16	21.00	12	39
8	422-08540985-031	8.54-9.85	8.54-9.15	9.15-9.85	13.13	14.38	16	21.00	12	49
10	422-10641183-031	10.64-11.83	10.64-11.18	11.13-11.83	15.50	16.50	16	21.00	12	58
12	422-12621367-031	12.62-13.67	12.62-13.06	13.10-13.67	17.63	18.75	16	21.00	12	67
16	422-16001785-031	16.00-17.85	16.00-16.50	17.35-17.85	22.00	24.00	19	23	13	110
16 OS	422-16001920-031	16.00-19.20	16.00-16.50 (STD End) 17.15-17.95 (OS End)	17.35-17.85 (STD End) 18.45-19.20 (OS End)	23.50	25.50	19	23	13	121
24	422-24002632-031	24.00-26.32	24.00-24.80	25.25-26.32	30.31	33.00	19	23	13	166
24 OS	422-24002732-031	24.00-27.32	24.00-24.80 (STD End) 25.00-25.80 (OS End)	25.25-26.32 (STD End) 26.25-27.32 (OS End)	31.31	34.00	19	23	13	174