

# Top Bolt®

## 2 Bolt Coupling System

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

421  
422

### IMPORTANT LINKS

Click appropriate words  
to go to:

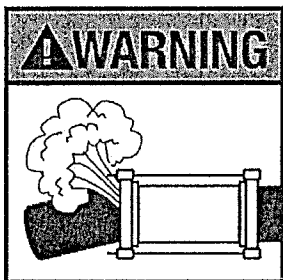
[Standard Limited Warranty](#)

[Sales Terms & Conditions](#)

[Freight Policy](#)

[Returns Policy](#)

[Corrosion & Product Selection  
Notice](#)



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.

**Description:** Two bolt, stab fit coupling featuring removable/replaceable inner gaskets to expand range of product and reduce number of SKUs that must be stocked. Standard length sleeve 421, and long sleeve version 422.

**Application:** Joining plain end pipe

### Key Features:

- Easy to install — One bolt on each end to tighten
- Removable inner gasket for larger O.D.s
- Bi-directional inner gasket can be reinstalled
- Corrugated armor — reduces friction between gasket and armor, thus allowing better gasket seating; prevents armor from gouging flange finish, thus reducing possible corrosion point
- Wide range - Up to 1.31 inches
- Reduces inventory by having wide range
- Deflection 4° per end
- Lightweight
- Stab insertion of pipe ends
- Corrosion resistant Flexi-Coat® Epoxy Finish
- Epoxy coated 304 Stainless Steel hardware and fluoropolymer coated nuts to reduce galling
- Connectors available for additional corrosion protection using anodes
- Easily disassembled when necessary

### Materials Specifications (subject to change):

SLEEVE: Carbon Steel

FLANGES: Carbon Steel

ARMOR: Half hard 304 Stainless Steel

GASKET: Nitrile (Buna N)

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

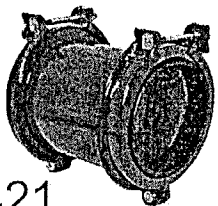
NUTS: Heavy hex Type 304 Stainless Steel with fluoropolymer finish to prevent galling

FINISH: Flexi-Coat® Fusion Bonded Epoxy Finish

**Working Pressure:** Up to 250 PSI

**Pipe Applications:** Steel, PVC, Ductile Iron, Asbestos Cement and Copper tube sizes

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



421

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## 2 Bolt Coupling System

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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						
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						
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
24 OS*	421-24002732-031	24.00-27.32	24" Side: 24.00-24.80	24" Side: 25.25-26.32	31.31	34.00	9	12.63	4	126
			24" OS Side: 25.00-25.80	24" OS Side: 26.25-27.32						

### Metric

NOM. SIZE (MM)	CATALOG NUMBER	OVERALL RANGE (MM)	LOWER RANGE (MM)		UPPER RANGE (MM)		WIDTH (MM)	HEIGHT (MM)	SLEEVE LENGTH (MM)	LAYING LENGTH (MM)	MAX GAP (MM)	WT (KG)
50	421-02130295-031	54 - 75	54 - 66		64 - 75		137	184	102	191	25	4
80	421-03100420-031	79 - 107	79 - 90		94 - 107		175	213	152	241	51	5
100	421-04460560-031	113 - 142	113 - 128		127 - 142		222	254	152	248	51	9
150	421-06560760-031	167 - 193	167 - 179		178 - 193		276	308	203	298	102	12
200	421-08540985-031	217 - 250	217 - 232		232 - 250		334	365	203	298	102	15
250	421-10641183-031	270 - 300	270 - 284		283 - 300		394	419	203	298	102	17
250 X 250 OS	421-10641220-031	270 - 310	250: 270 - 284	250 OS: 281 - 294	250: 283 - 300	250 OS: 294 - 310	410	438	203	298	102	19
300	421-12621367-031	321 - 347	321 - 332		333 - 347		448	476	203	298	102	21
300 X 300 OS	421-12621440-031	300 - 366	300: 321 - 332	300 OS: 334 - 350	300: 333 - 347	300 OS: 349 - 366	470	492	203	298	102	22