



# Top Bolt Couplings

## With Double-Acting Bolt Technology (6" and larger)

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

# 421



Double-acting bolts close in two directions at once, lowering installation times.



**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.

**Application:** Joining plain end pipe

### Key Features:

- Double-acting bolt technology closes flange in two directions at once, lowering installation times
- 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
- 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 260 PSI

**Pipe Applications:** Steel, PVC, Ductile Iron, Asbestos Cement, Copper tube and HDPE (with stiffener).

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



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## Standard

NOM SIZE (IN)	CATALOG NUMBER	OVERALL RANGE	LOWER RANGE (IN)	UPPER RANGE (IN)	WIDTH (IN)	HEIGHT (IN)	SLEEVE LENGTH (IN)	LAYING LENGTH (IN)	MAXIMUM 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
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
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 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
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

\*OS sizes show two different lower and upper ranges: the range on top shows the range of the standard coupling end and the range on bottom shows the range of the oversized coupling.