

## B3214 - Tie Bolt (TOLCO Fig. 106)

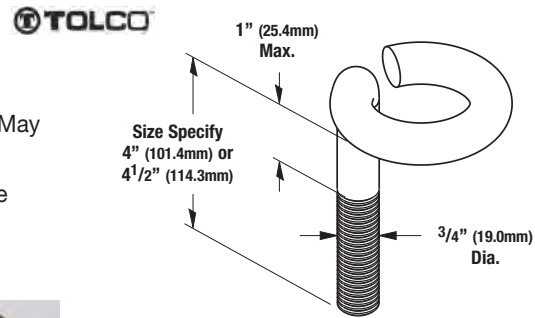
**Material:** Steel

**Function:** Recommended for securing the connection of steel pipe to ductile pipe first attach tie bolts to pipe flanges then connect tie rods. May be used in vertical or horizontal applications.

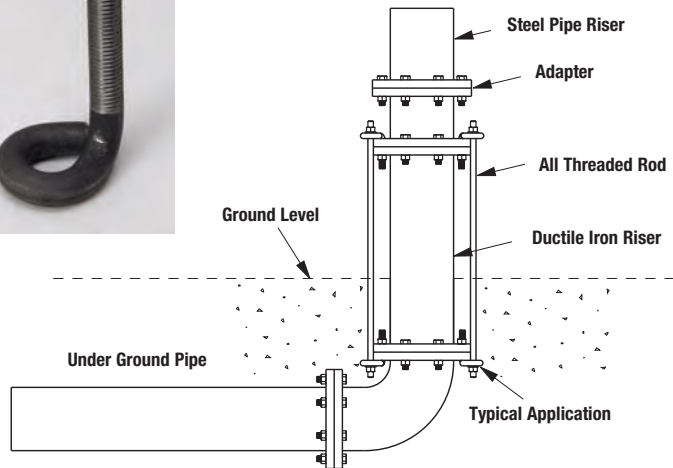
**Approvals:** Conforms to NFPA Pamphlet 24, Installation of Private Fire Service Maintenance 4" (100mm) - 12" (300mm) pipe size.

**Finish:** Plain. Contact B-Line for alternative finishes and materials.

**Order By:** Part number, size and finish.  
Custom lengths for thicker flange available.



Part No.	Length		Approx. Wt./100	
	in.	(mm)	Lbs.	(kg)
B3214-4	4"	(101.6)	107.5	(48.5)
B3214-4 1/2	4 1/2"	(114.3)	113.7	(51.6)



## B3213 - Coach Screw Rod (TOLCO Fig. 105)

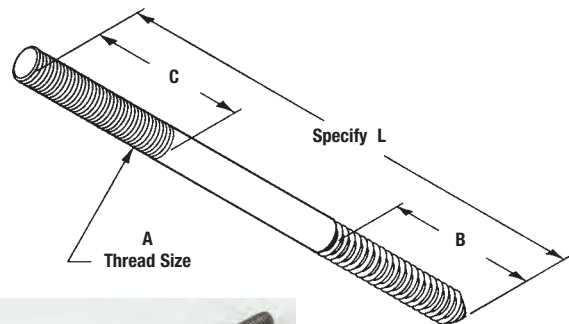
**Size Range:** 3/8"-16 rod thru 1/2"-13 rod

**Material:** Steel

**Function:** Typically used to suspend pipe from wood joists. Machine threaded on one end and lag threaded on the other end. It is recommended that pilot holes be pre-drilled to prevent beam from splitting and to aid in starting lag threads.

**Finish:** Plain. Contact B-Line for alternative finishes and materials.

**Order By:** Part number, rod size, length and finish



Part No.	Thread Size A	Standard Rod Lengths L		Coach Screw Thread Length B		Rod Thread Length C		Design Load	
		in.	(mm)	in.	(mm)	in.	(mm)	Lbs.	(kg)
B3213-3/8 x 'L'	3/8"-16	*3 1/2", 8"	(88.9, 203.2)	2"	(50.8)	2"	(50.8)	390	(1.73)
B3213-1/2 x 'L'	1/2"-13	*3 1/2", 8"	(88.9, 203.2)	2 1/2"	(63.5)	2 1/2"	(63.5)	640	(2.84)

\*3/8 x 3 1/2 and 1/2 x 3 1/2 will have a coach screw thread length of 2" (50.8) and a rod thread length of 1" (25.4).  
Design Load is based on proper installation and solid wood.

# Threaded Accessories

## B3212 - J-Bolt (TOLCO Fig. 104)

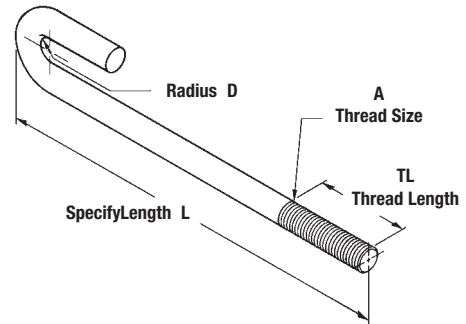
**Size Range:** 3/8"-16 thru 7/8"-19 rod

**Material:** Steel

**Function:** Designed to be hooked or hung from beam flange or purlin.

**Finish:** Plain. Contact B-Line for alternative finishes and materials.

**Order By:** Part number, length and finish



Part No.	Thread Size A	Thread Length in.	TL (mm)	Radius D in.	(mm)	Design Load Lbs.	(kg)
B3212-3/8 x 'L'	3/8"-16	2"	(50.8)	1/2"	(12.7)	240	(1.07)
B3212-1/2 x 'L'	1/2"-13	2"	(50.8)	5/8"	(15.9)	440	(1.96)
B3212-5/8 x 'L'	5/8"-11	2 1/2"	(63.5)	3/4"	(19.0)	705	(3.13)
B3212-3/4 x 'L'	3/4"-10	2 1/2"	(63.5)	7/8"	(22.2)	1050	(4.67)
B3212-7/8 x 'L'	7/8"-9	2 1/2"	(63.5)	1"	(25.4)	1470	(6.54)

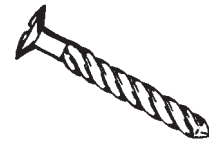
## DS 16 x 2 - Drive Screw (Formerly TOLCO Fig. 125)

**Material:** Steel

**Function:** Equivalent to a nail, but has greater holding power

**Finish:** Plain and Electro-Galvanized

**Order By:** Part number, size and finish



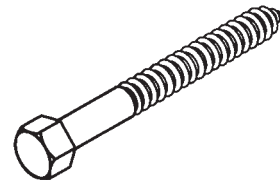
## B3228 - Hex Head Lag Bolt (TOLCO Fig. 126)

**Material:** Steel

**Function:** Designed to fasten metal to wood. Lag screws are made with hex heads in lengths of 6" (152.5mm) or shorter and square heads in lengths longer than 6" (152.5mm). Both types have coarse lag threads and gimlet points and are available in diameters of 1/4" (6.3mm) to 5/8" (15.9mm) inclusive. Square-head lag screws are also available in 3/4" (19.0mm), 7/8" (22.2mm) and 1" (25.4mm) diameters.

**Finish:** Plain. Contact B-Line for alternative finishes and materials.

**Order By:** Part number, bolt size, length and finish



Length		Bolt Diameter and Wt./C									
		1/4"	(6.3)	3/8"	(9.5)	1/2"	(12.7)	5/8"	(15.9)	3/4"	(19.0)
1 1/2"	(38.1)	2.3	(1.0)	6.0	(2.7)	11.8	(5.3)	19.4	(8.8)	32.3	(14.6)
2"	(50.8)	2.8	(1.3)	7.0	(3.2)	14.4	(6.5)	23.2	(10.5)	38.3	(17.4)
2 1/2"	(63.5)	3.3	(1.5)	8.3	(3.7)	16.2	(7.3)	27.0	(12.2)	44.0	(19.9)
3"	(76.2)	3.9	(1.7)	9.8	(4.4)	18.6	(8.4)	31.0	(14.0)	47.7	(21.6)
3 1/2"	(88.9)	4.4	(2.0)	11.4	(5.2)	21.2	(9.6)	34.8	(15.8)	56.3	(25.5)
4"	(101.6)	5.0	(2.2)	12.5	(5.7)	23.3	(10.5)	37.6	(17.0)	58.5	(26.5)
4 1/2"	(114.3)	5.7	(2.6)	14.0	(6.3)	26.1	(11.8)	42.6	(19.3)	64.0	(29.0)
5"	(127.0)	6.3	(2.8)	15.4	(7.0)	29.0	(13.1)	45.5	(20.6)	68.0	(30.8)
5 1/2"	(139.7)	7.0	(3.2)	16.4	(7.4)	31.5	(14.3)	49.3	(22.3)	74.0	(33.5)
6"	(152.4)	7.4	(3.3)	18.3	(8.3)	34.0	(15.4)	53.0	(24.0)	77.0	(34.9)