Taper Bolt®

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THE FIRST IS STILL THE SIMPLEST, THE STRONGEST AND MOST VERSATILE

Available Materials
- Grade 5, zinc plated
- Other metals and finishes are available by special quote
- Eye bolt version available by special quote

Features/Advantages
- Required hole diameter equals anchor diameter
- Variation in hole size can be accommodated by turning the expander nut
- Equipment may be removed and replaced. The bolt is simply re-inserted and torqued to obtain original holding power (the nut stays in the hole)
- Bolt can be removed and re-used with a new nut after cleaning and lubricating the threads
- Strength – the highest shear strength of any expansion anchor
- Withstands vibratory loads
- Works in a bottomless hole

Concerns
- Do not use in brick or block

Approvals/Listings
- Tested by Pittsburgh Testing Laboratory PG-2170
- Contact customer service for approvals/ listings for state D.O.T.'s

Made in USA

Order Detail

							Ultimate Tensile & Shear Loads in Lbs.					
							3000 P.S.I.		5000 P.S.I.			
Order Code Grade 5 Hex Hd. Bolt	Anchor Dia. & Length	Hole Dia.	Min. Embed.	Required Torque to set (ft. lbs.)	Head Size	Required Head Clearance	Tension (lbs.)	Shear (lbs.)	Tension (lbs.)	Shear (lbs.)	Box Qty.	Master Qty
3420000	3/8" x 2-1/4"	3/8"	1-7/8"	40	9/16"	3/16"	4,030	7,177	4,987	8,567	50	400
3421000	3/8" x 2-5/8"	3/8"	1-7/8"	40	9/16"	3/16"	4,030	7,177	4,987	8,567	50	400
3422000	3/8" x 3"	3/8"	1-7/8"	40	9/16"	3/16"	4,030	7,177	4,987	8,567	50	400
3423000	3/8" x 4"	3/8"	1-7/8"	40	9/16"	3/16"	4,030	7,177	4,987	8,567	50	400
3430000	1/2" x 2-7/8"	1/2"	2-3/8"	90	3/4"	1/4"	8,165	12,177	9,346	15,217	25	200
3431000	1/2" x 4"	1/2"	2-3/8"	90	3/4"	1/4"	8,165	12,177	9,346	15,217	25	200
3432000	1/2" x 5"	1/2"	2-3/8"	90	3/4"	1/4"	8,165	12,177	9,346	15,217	20	100
3440000	5/8" x 3-1/2"	5/8"	2-7/8"	125	15/16"	5/16"	9,990	17,030	10,470	17,257	20	75
3441000	5/8" x 4-1/2"	5/8"	2-7/8"	125	15/16"	5/16"	9,990	17,030	10,470	17,257	25	75
3442000	5/8" x 6"	5/8"	2-7/8"	125	15/16"	5/16"	9,990	17,030	10,470	17,257	25	75
3443000	5/8" x 7"	5/8"	2-7/8"	125	15/16"	5/16"	9,990	17,030	10,470	17,257	25	75
3450000	3/4" x 4-1/8"	3/4"	3-3/8"	250	1-1/8"	7/16"	11,906	27,916	17,073	28,110	20	60
3451000	3/4" x 5-1/2"	3/4"	3-3/8"	250	1-1/8"	7/16"	11,906	27,916	17,073	28,110	20	60
3452000	3/4" x 7"	3/4"	3-3/8"	250	1-1/8"	7/16"	11,906	27,916	17,073	28,110	15	45
3453000	3/4" x 8"	3/4"	3-3/8"	250	1-1/8"	7/16"	11,906	27,916	17,073	28,110	15	45
3460000	1" x 5-5/8	1"	4-5/8"	550	1-1/2"	5/8"	28,263	36,257	30,817	38,487	10	30
3461000	1" x 6-3/4"	1"	4-5/8"	550	1-1/2"	5/8"	28,263	36,257	30,817	38,487	10	30
3462000	1" x 7-1/4"	1"	4-5/8"	550	1-1/2"	5/8"	28,263	36,257	30,817	38,487	10	20

Additional Nuts

Order Code	Size	Box Quantity	Master Quantity
3420200	3/8"	100	3,000
3430200	1/2"	50	600
3440200	5/8"	50	400
3450200	3/4"	50	400
3460200	1"	10	120

Installation
1 Drill hole the same diameter as the Taper-Bolt using fixture as a template.
2 Clean hole of debris.
3 Drive Taper-Bolt into place leaving recommended head clearance. If hole is oversized simply remove and pre-expand the expander nut to fit hole.
4 Tighten Taper-Bolt to recommended torque.
5 For big jobs, set Taper-Bolt with an impact wrench. This method offers speed, consistency and greater installer productivity.