

# TAPER BOLT®

## 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



Ultimate Tensile & Shear Loads in Lbs.

Order Code	Grade 5 Hex Hd. Bolt	Anchor Dia. & Length	Hole Dia.	Min. Embed.	Required Torque to set	Head Size	Required Head Clearance	3000 P.S.I.		5000 P.S.I.		Box Qty.	Master Qty.
								Tension (lbs.)	Shear (lbs.)	Tension (lbs.)	Shear (lbs.)		
3420000	3/8" x 2-1/4"	3/8"	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"	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"	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"	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"	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"	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"	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"	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"	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"	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"	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"	3/4"	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"	3/4"	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"	3/4"	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"	3/4"	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"	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"	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"	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 Qty.	Master Qty.
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.

