

# Taper Bolt®



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**Available Materials**

- Grade 5, zinc plated
- Other metals and finishes are available for special quote
- Other body styles available for special quote are eye bolt version

**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**

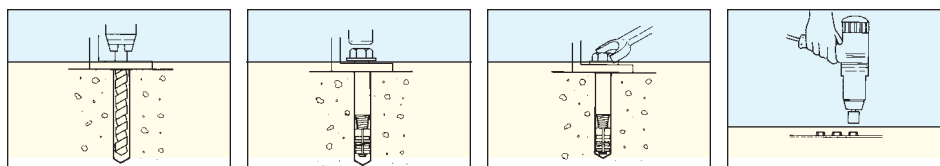
Order Code	Grade 5 Hex Hd. Bolt	Anchor Dia. & Length	Hole Dia.	Min. Embed.	Required Torque to set (ft. lbs.)	Head Size	Required Head Clearance	Ultimate Tensile & Shear Loads in Lbs.				Box Qty.	Master Qty.
								3000 P.S.I.		5000 P.S.I.			
								Tension (lbs.)	Shear (lbs.)	Tension (lbs.)	Shear (lbs.)		
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	160	
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**

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.



Contact Hurripanel Fasteners for a Quote  
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