

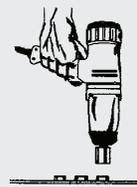
TAPER BOLT



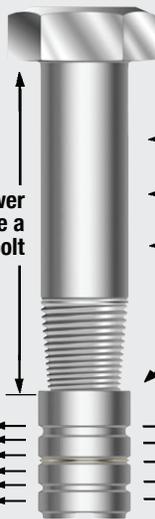
A SOLID CONNECTION

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

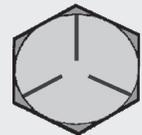
A true parallel expansion design incorporating SAE torque specifications and clamp loads. All the attributes of a standard Grade 5 bolt and nut including the convenience of installation with high speed impact tools.



Greater clamping power since it functions like a standard nut and bolt



Full diameter Grade 5 finished hex bolt.



Removable

Shear load bears on full diameter of bolt

Reusable and inexpensive to reuse
Simply add a new nut

Adjustable to fit slightly oversized holes

Nut expands parallel to the sides of hole distributing compression along the entire length

Nut stays in the hole upon removal

TEST DATA 3/4" @ 3-3/8" EMBEDMENT

Unreinforced 3000 P.S.I. Concrete
Tensile - 11,906 lbs
Shear - 27,916 lbs

Unreinforced 5000 P.S.I. Concrete
Tensile - 17,073 lbs
Shear - 28,110 lbs

MATERIAL SPECIFICATIONS:

BOLTS:

S.A.E. Grade 5 Heat Treated Steel
Hardness - RC 25/34
Proof Load - 85,000 P.S.I.
Tensile Strength - 120,000 P.S.I.
Zinc Plated to A.S.T.M. B-633

EXPANDER NUT:

S.A.E. 903 A.S.T.M. B86
Die cast Zamak No. 3
Zinc Alloy
Tensile Strength 43,000 P.S.I.

TESTED OR APPROVED BY:

Pittsburgh Testing Laboratory PG-2170
City of New York
City of San Francisco
Many State D.O.T.'s
Federal General Services - Exceeds G.S.A. FF-S-325
Meets O.S.H.A. requirement of Sec. No. 1910.212(b)
Produced under quality assurance programs in accordance with 10 CFR 50 Appendix b and N.R.C Requirements

RECOMMENDED APPLICATIONS:

Temporary Highway Barriers
Highway Guide Rail
Highway Expansion Joints
Railroad Rail Track Plate Fastening
Tilt Wall Temporary Support Bracing
Safety Cable Tie-Off
Rapid Runway Repair
Lift Points



Made in the USA

1 GUNNEBO DRIVE • LONOKE, AR 72086
800-336-1640 • FAX 501-676-2524
www.mktfastening.com

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A true parallel expansion design incorporating SAE torque specifications and clamp loads. All the attributes of a standard Grade 5 bolt and nut including the convenience of installation with high speed impact tools.



TAPER BOLT CAN BE REMOVED AND REPLACED HUNDREDS OF TIMES

TAPER BOLT CAN BE USED IN A NEW HOLE HUNDREDS OF TIMES...NOT JUST TWICE!

TAPER BOLT CAN BE ADJUSTED TO FIT SLIGHTLY OVERSIZE HOLES!

TAPER BOLT IS A TRUE BOLT SIZE/HOLE SIZE ANCHOR AND NEEDS NO SPECIAL DRILLS!

TAPER BOLT OFFERS 40% GREATER TENSILE STRENGTH AND 50% GREATER SHEAR STRENGTH

TAPER BOLT IS MANUFACTURED FROM A CERTIFIED FULL DIAMETER GRADE 5 STEEL BOLT



TEST DATA 1/2" @ 2-3/8" EMBEDMENT

Unreinforced 3000 P.S.I. Concrete
Tensile - 8,165 lbs
Shear - 12,177 lbs

Unreinforced 5000 P.S.I. Concrete
Tensile - 9,346 lbs
Shear - 15,217 lbs

TEST DATA 1/2" @ 2-1/2" EMBEDMENT

Unreinforced 3000 P.S.I. Concrete
Tensile - 4,650 lbs
Shear - 6,140 lbs

Unreinforced 5000 P.S.I. Concrete
Tensile - 5,840 lbs
Shear - 7,220 lbs

MATERIAL SPECIFICATIONS:

BOLTS:
S.A.E. Grade 5 Heat Treated Steel
Hardness - RC 25/34
Proof Load - 85,000 P.S.I.
Tensile Strength - 120,000 P.S.I.
Zinc Plated to A.S.T.M. B-633

EXPANDER NUT:
S.A.E. 903 A.S.T.M. B86
Die cast Zamak No. 3
Zinc Alloy
Tensile Strength 43,000 P.S.I.

MATERIAL SPECIFICATIONS:

Case Hardened Carbon Steel
Zinc Plated to A.S.T.M. B-633



TAPER BOLT HAS OVER 45 YEARS OF PROVEN VERSATILITY AND DEPENDABILITY