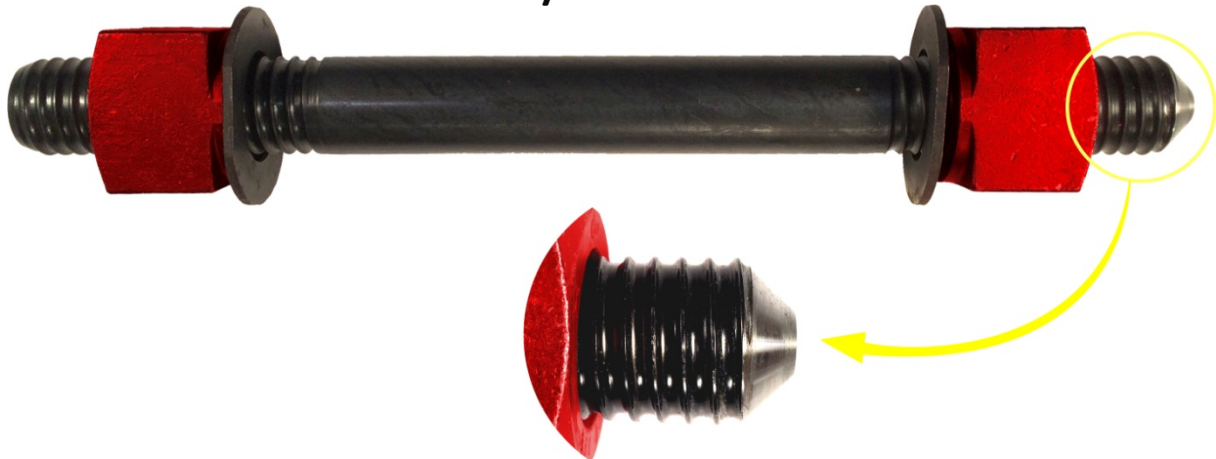


Huck 360 Grade 8 Thread Head Track Bolt (Stud) Assy w/Point



Huck Part #: 360THAP-DT44X##
(360THAP-DT44X16 Shown Here)

Primary Features and Benefits

The Huck 360® Track Bolt is a high fatigue strength, vibration resistant, bolting system with Grade 8 mechanical properties. It has a unique shallow thread form that provides 5X to 10X fatigue improvement. The 360 is free spinning during fit up and the nut thread is very forgiving to any bolt thread damage caused by hole misalignment. The 360 can easily be installed and removed with either conventional hydraulic impact tools or with other high performance continuous drive torquing systems. For those times when track maintenance is required, this unique fastener can, in many cases, be removed and reused with reliable results

Installation Instructions

Verify that the tool being used has the capability of producing the correct torque and that all settings are adjusted correctly. Always refer to the manufacturer's documentation for the correct settings and safe operating procedures of the installation equipment.

Begin installation, insert stud into hole, add washers onto protruding threaded ends, and free spin nuts onto both ends of stud. Check that both nuts have round bearing face oriented toward the track surface. Apply torque of 2250 ft.lbs to the turning nut while holding nut stationary on opposite side with a track wrench. Torque need only be applied to one of the nuts on each stud. Continue tightening until tool stalls. Socket and nut should come to a complete stop while tool is energized. Move to next fastener in the local set. Apply torque until the tool stalls. Repeat as needed. When the last fastener in the set is tightened, start again at first fastener in the local set and apply torque to each a second time to verify that all nuts have stopped turning when torque is applied. The application of torque from the nut side is always preferred. The nuts have a lubricated surface that assures better transference of torque into joint clamp. Use of a Thread Head Stud assures that a nut will always be accessible to the torque tool. The Thread Head is also helpful in the narrow crotch of low angle diamonds and when stud ends are almost touching.

Note: Huck 360 Nuts are pre-coated with high performance Huck Guard coating and require no additional lubrication.



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Recommended Maintenance

One maintenance retightening is recommended on bolts installed in diamonds and frogs that are new from factory. This re-tightening should be scheduled between one and two months after the diamond or frog enters service.

This maintenance retightening is meant to help compensate for the surface wear (fretting) that commonly occurs between the mating surfaces of the castings, track, and misc. components of frogs and diamonds that are newly in service.

A maintenance retightening is not as likely to be needed in aftermarket repairs where the frogs and diamonds have already accumulated service life sufficient to wear in the components.

Selection of Correct Stud Length and Assembly Part Number

To determine the correct stud length to use, measure the thickness of all track components that are to be fastened, Add 4.4" to that number. Round that result up to the next whole number. Insert that number in the ## place holder in the part number format below.

The part number is formatted as follows: **360THAP-DT44X##**

For example:

A 9" stud with a point added will be 360THAP-DT44X9. A 16" Stud with a point added will be 360THAP-DT44X16.

Notes:

The number, 4.4" is equal to the height of two of the 1-3/8" Huck 360 nuts plus four of the bolt thread pitches which allows for a minimum two thread pitches exposed above the surface of each nut.

The "P" indicates that an alignment point has been added to the end of the bolt to aid in bolt insertion when holes are misaligned.

Each assembly will include one thread head double ended stud (360THP-DT44X##) with machined point on one end, two flat washers (SW-R44X), and two square nuts (360NS-R44).

Ordering Information

Direct all order queries to:

Howmet Fastening Systems
Industrial Fastener Division
8001 Imperial Drive
Waco, Texas 76712
Toll Free: 1-800-388-4825 (Choose Option 6 for Customer Service)

When ordering 360 track bolts please make note of how you would like your parts packaged during shipping. Would you like them palletized in bulk or would you like them packaged in small kits of 2 to 6 pieces for easy handling and unloading?



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Stock Number	Short Description	Long Description
	360THAP-DT44X9	1-3/8" X 9" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X10	1-3/8" X 10" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X11	1-3/8" X 11" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X12	1-3/8" X 12" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X13	1-3/8" X 13" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X14	1-3/8" X 14" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X15	1-3/8" X 15" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X16	1-3/8" X 16" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X17	1-3/8" X 17" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X18	1-3/8" X 18" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X19	1-3/8" X 19" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X20	1-3/8" X 20" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X21	1-3/8" X 21" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X22	1-3/8" X 22" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X23	1-3/8" X 23" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double



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		Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X24	1-3/8" X 24" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X25	1-3/8" X 25" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X26	1-3/8" X 26" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X27	1-3/8" X 27" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X28	1-3/8" X 28" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X29	1-3/8" X 29" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X30	1-3/8" X 30" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X31	1-3/8" X 31" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds
	360THAP-DT44X32	1-3/8" X 32" Huck 360 Grade 8 Thread Head Double Nut Track Bolt Double Ended Stud with alignment machined point applied Two Nuts and Two Washers Assembly for use in frogs turnouts interlockers and diamonds