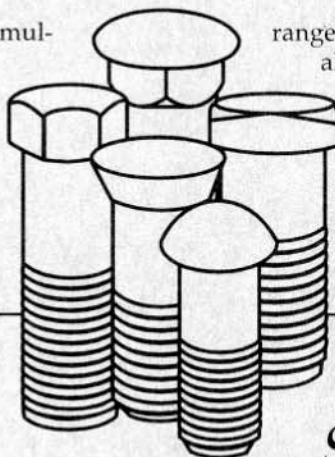


WINK'S WORDS

NEWS & VIEWS ABOUT NUTS AND BOLTS

Multiple Heads Are Better Than One!

At least when it comes to bolts, a multiple choice of head designs comes in handy, depending upon the application. Most applications involve hex head bolts because of their greater strength and ease of torque input - and we can supply you with plenty of these in a broad



range of sizes. But don't forget, we are also prepared to meet your requirements in square head and round head bolts, carriage bolts, countersunk bolts, penta head bolts and many others. And in a variety of corrosion-resistant, heat-resistant and exotic alloys.

Just ask!

The Swiss Add Super Speed to Proverbial Precision

A Swiss manufacturer of single spindle precision automatic machines added a new "thread whirling" attachment to enable them to produce fine quality special profile threads in such difficult machine materials as 316 stainless and titanium. They can now machine both internal and external threads at exceptional speeds of 5,000 to 60,000 rpm!

Machining time is 60% faster, tools last up to 100% longer and thread quality is improved. This technique is presently being used for bone screws, dental implants and similar exotic components, but will soon be adapted to a wide variety of high alloy precision fasteners and internal threads.

It's comforting to know that progress is continuing in an effort to make better alloy fasteners at lower cost.

As always, we'll keep an eye on this and other such interesting developments as a service to our customers.

What's A Bolt Supposed To Do?

Its main purpose in life is to clamp parts together, and to do so with enough force to prevent the joined parts from loosening during service. This clamping force is critical. If it's too high you'll produce excessive stress in the bolts and the other members of the joint. The result can be leakage due to overstrained gaskets, or fatigue failure and even stress corrosion. If the clamping force is too low you can also get leakage or loose bolts and slipping joints that can create excessive loads on bearings or cause wear between parts.

Theoretically, the stronger the bolts the better. You can use fewer and smaller bolts - and probably cut assembly cost. But, there are other factors to consider beside strength. In many applications you have to worry about the effects of corrosion, stress-corrosion cracking, fatigue, loss of stiffness at high temperatures and loss of tension due to stress relaxation or creep. Ordinary bolting materials won't do under these conditions. This is where you need special properties of WINK's alloys: stainless steels, nickel alloys, bronzes, titanium and even more exotic materials.

A stable clamping force needs stable materials. You'll find them at WINK.

Instant Relief for Stripped Screw-Head Aches

Who hasn't experienced the aggravation of trying to remove a screw with a stripped drive. You just can't get a grip with the driver, no matter how hard you try. Evidently somebody got so frustrated by this problem they developed a

solution. It's a slip-resistant gel. You just apply a single drop of the stuff to the stripped joint and it provides enough grip for the driver to back it out.

One man's problem is another man's opportunity.



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