



## FREQUENTLY ASKED QUESTIONS

### Do I need a tap to install a C-Sert?

No, C-Serts are self-tapping.

### Do I need thread locker?

No. C-Serts cut their way in. They make a tight interference fit. So any thread locker would just get squeezed out as the C-Sert bores in.

### What keeps C-Serts in place?

Friction, pure and simple. The C-Sert's external tapping threads produce more friction than the fastener's torque rating.

### Can I remove a C-Sert?

Yes, you can. Just use the same hex installer, but turn it clockwise.

### If I remove a C-Sert, can I use it to repair another damaged hole?

Yes, you can. C-Serts are taps and can be reused, just like a tap.

### Why do C-Serts have left-handed external threads?

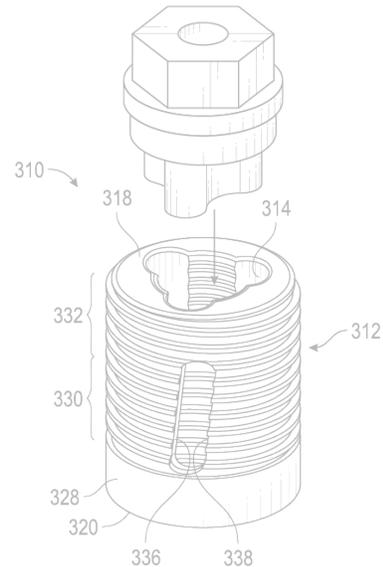
If you use an impact wrench to remove a stuck bolt from a C-Sert, the L-H external threads prevent the C-Sert from backing out with the bolt.

### When I install a C-Sert, can I use the same size bolt as before?

Yes, the fastener size remains the same.

### Can I use an impact to install C-Serts?

No. Use a ratchet or, for larger sizes, a torque multiplier.



### Can I install C-Serts in hardened steels?

Yes, but only up to around 34RC.

### In what types of metal can C-Serts be installed?

In mild steel, high carbon steel, alloy steels (like 4130), cast iron; in aluminum and magnesium; in copper, brass and bronze. They also work in 400 Series stainless, but not well in 300 Series stainless.

### Can C-Serts be installed in through-holes?

Yes, but most applications are in blind holes.

### Can C-Serts withstand high temperatures?

Yes. They won't loosen, but they lose some of their hardness at over 1100 degrees Fahrenheit (base metal temperature, not ambient temperature).

### What are C-Serts made from?

From S-7 high-impact tool steel, through-hardened to 56RC. Our C-Sert Mini's are made from 8620 gear steel, case hardened to 62RC.

### When I buy C-Serts, what comes with them?

An installer, cutting fluid, and instructions. And, at your option, a drill bit (for C-Serts up to 1" and 24mm). For opening up large C-Serts' pilot holes, another option we offer is annular cutters.

### Where are C-Serts made?

Los Angeles, California, USA



C-SERT.COM

971-347-3185

INFO@C-SERT.COM

1991 NW Upshur Street #D, Portland, OR 97209