

# Insert Selection Guide

## Find the Right Inserts for Your Application

Our inserts come in a variety of styles and sizes to meet a variety of applications and are manufactured to the following thread specifications: UNC-2B and UNF-2B for inch threads and ISO-6H for metric threads. Use the information below to find the inserts that best fit your needs or contact us for more details.



### H Series Tapered Inserts

The leading insert for ultrasonic or thermal installation into thermoplastic or structural foam. A row of unique “knuckle knurls” reduces residual stress and increases strength. The tapered design reduces installation time, making alignment faster and more accurate.



### C Series Chevron Inserts

Designed for straight holes using ultrasonic or thermal processes. This series features two opposing bands of sharp diagonal knurls of different diameters for maximum gripping power. A lead-in pilot diameter assures true perpendicular alignment.



### HC Series Headed Chevron Inserts

The HC Series features a flange for a greater load-bearing surface in weaker plastics. The flange provides a large contact area for electrical connections. Used in reverse-entry applications, the HC Series offers exceptional pull-out strengths.



### S Series Symmetrical Inserts

For fast, high-volume applications, symmetrical inserts install without orientation using ultrasonic or thermal equipment. They are designed for straight holes and are ideal for thin-wall applications because little stress is applied to the walls of the part.



### P & HP Series Press-in Inserts

Straight-hole inserts install easily in hard or thermoset plastics without heat or special equipment. Three bands of helical knurls anchor the insert firmly into place and provide excellent torque-out resistance.



### E & HE Series Expansion Inserts

Designed to provide strong, usable threads in thermoset and other hard plastics. The inserts are pressed into the plastic and expand when the assembly screw is installed. The sharp diamond knurls secure them into the plastic. Inserts are available with or without a flange.



### SH & SC Series Threaded Studs

Available in H or C Series body designs. Studs are commonly used to fulfill specific design functions, to save money in production costs, to function as electrical contacts or to replace self-tapping or removable screws. Thread lengths are variable to meet your specific requirements. Special studs without threads can be used as axles, pivots, pins, locating points or solder terminals.



### MB Series Mold-in Blind Inserts & RM Series Rotational Mold-in Blind Inserts

Designed for mold-in applications. The inserts feature a blind thread (closed bottom) that prevents plastic from entering the bottom of the insert. The hex design of the rotational molded insert provides greater holding power in softer materials.



### KS Series Knurled Spacers, Threaded

Designed for a wide variety of applications, these inserts are commonly used for stacking printed circuit boards or when a threaded spacer is required. They can also be molded into a plastic component.



### CL Series Compression Limiters

Unthreaded spacers (bushings) used to strengthen plastics during compression loads. These types of loads are generated when fastening bolts and screws during assembly. Compression limiters can be designed for any installation method.



### Specials & Custom Designed Parts

Our design engineers will be happy to adapt an existing insert or custom design one specifically for your application. And you'll be surprised how quickly we get back to you.