

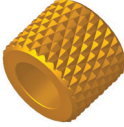



maintain joint integrity of plastic assemblies

Compression limiters are non-threaded inserts that are commonly used in applications where a compressive load is applied to a plastic assembly. The compression limiter strengthens the plastic and withstands the compressive force that is applied when a mating screw is tightened in the assembly. The integrity of the plastic is not compromised by the load that is applied.

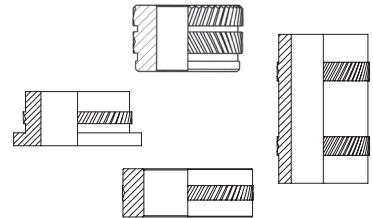
- Custom designed in a wide range of sizes and profiles
- Available in brass, stainless steel, and lead-free aluminum
- Installed using ultrasonic, heat-staking or molded-in installation methods
- Available design types; flange-head, symmetrical, full diamond knurl and non-knurled symmetrical

NEW

 <p>Flange-head Flange-head eliminates direct contact of plastic with mating parts.</p>	 <p>Symmetrical Pilot diameter and undercuts allow plastic to flow into grooves.</p>	 <p>Full Diamond Knurl Uniform diamond knurl reduces the risk of sink marks.</p>	 <p>Non-knurled Symmetrical For use in applications without rotation torque loads.</p>
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AVAILABLE OPTIONS

Installation Methods	Insert Design Types	Insert Materials	Finishes	Clearance Hole for Mating Screw Sizes:
Ultrasonic Heat Staking Molded-in	Flange-head Symmetrical Full Diamond Knurl Non-knurled Symmetrical	Aluminum, Brass	Plain	#2-56 through 5/16-18 and M2 through M8
		Carbon Steel	Zinc plated, 5µm, colorless	
		Stainless Steel	Passivated and/or tested per ASTM A380	



INSTALLATION METHODS

Ultrasonic / Heat Staking

- Ultrasonic - Installed by pressing the insert into the mounting hole with ultrasonic insertion equipment while simultaneously applying a high frequency vibration. Frictional heat caused by the vibration melts the plastic surrounding the insert allowing easy insertion. When the vibration ceases, the plastic solidifies, locking the insert permanently in place.
- Heat Staking - Installed by pressing the insert into the mounting hole with a thermal press to melt the plastic surrounding the insert.

Molded-in

- Installed during the molding process, the inserts are located in the mold cavity by core pins. When the mold opens, the core pins are withdrawn leaving the inserts permanently encapsulated in the plastic section with only the threads exposed.
- Installing the inserts during the molding process eliminates the need for secondary steps or installation equipment.

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