



## COMPONENTS FOR PLASTICS

### Perfect for Injection Molding

As demand for more fuel-efficient transportation increases, the number of parts constructed of light weight plastics will increase. Below are a few samples of products offered by EFC International for use in plastic.

The **Compression Limiter** is used to preserve a threaded joint's integrity. As a bolt is tightened to achieve the required friction between threads, the plastic is compressed. Without the compression limiter, plastic will creep resulting in the loosening and eventual failure of the joint.



*By eliminating brass and designing a rolled steel compression limiter to meet the customer's specific requirements, a **\$345,000 cost savings** was realized in one year!*

**GripTide™** Steel threaded inserts for plastic made from cold formed steel. Reduces materials and manufacturing costs. Grip-Tide doesn't generate chips. Requires less thread engagement than brass or aluminum. Not subject to price volatility of brass or aluminum! Flanged top provides a positive stop for installation and large bearing surface for mating components.



The **PressLoc®** was developed to enable metal-to-plastic conversion for critical components. It provides secure fastening for plastic components, without over-stressing the plastic while maintaining bolt load. High compression strength, securely presses into straight, tapered or reverse tapered hole, large contact area eliminates need for washer.



The **BosScrew™** eliminates the need for metal sleeves. Stronger cross-sectional area than any other screw for use in plastics. No need to add a spring component to the joint, no need to increase stiffness of plastic by adding a filler, no flat washer or counter bore required. Utilizes standard fastener head diameters and standard clearance hole diameters. High compression strength, securely presses into straight, tapered or reverse tapered hole, large contact area eliminates need for washer. Permits design of shorter bosses.



With EFC's experience in injection-molded plastic components and engineering expertise, EFC can provide a solution!



Contact EFC for available sizes and dimension data.



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EFC Is A Solutions Provider.  
Innovation Is The Engine That Fuels Our Dedication To Solving Problems.