

# External TORX PLUS® Low-Profile Head

Superior performance and strength

For applications requiring fasteners with both high torque transfer capabilities and low head height, external TORX PLUS® low-profile head fasteners are the ideal choice. They are engineered to provide improved performance over hex drive fasteners without added head volume.

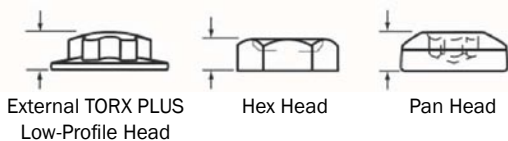
The external hex drive allows high torque transmission, but can fail quickly due to weakness inherent in its design.

External TORX PLUS® low-profile head fasteners are engineered to provide optimal torque transfer and extended tool life, with a head height similar to hex or pan head fasteners.



## Features

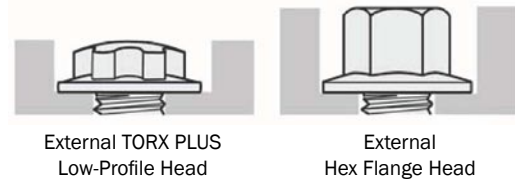
- Hex flange head or pan head bearing surface
- 0° drive angle
- Lobe engagement spreads forces over large area to prevent stress risers that cause tool and fastener damage
- Higher torque transfer capability than corresponding internal recess
- Drive system strength 5 to 6 times greater than normal seating torque
- Head height is similar to hex or pan head fasteners



- Lower head volume (weight) than hex and pan head fasteners (18 % and 41 % respectively)

## Benefits

- Provides high strength and torque capability in a low-profile head
- Ensures optimal torque transmission and clamp load
- Allows high torque transfer without damage to fastener
- Minimises space required to accommodate head height



- Excellent high-torque drive system for miniature fasteners
- Reduces wear on drive tools for extended tool life

## Standard Design Guidelines

Fastener sizes: M0.6 to M24 (#0000 to 1")

Head styles: dome or indented head with hex flange or pan head bearing surface

Thread styles: can be used with any thread style

Note: Special sockets are required