

# Versa-Nut<sup>®</sup> threaded insert



THREADED INSERT FOR SOFT MATERIAL



An Acument™ Global Technologies Company

# Versa-Nut® threaded insert

## Overview

Versa-Nut® Inserts are designed for blind-sided use in soft materials, plastics and composites. Versa-Nut® Inserts have a higher pull out and torque-to-turn resistance than most alternative blind inserts. The insert's higher strength allows designers to reduce the size or number of fasteners in an assembly and because it features a grip range far greater than that of a standard rivet nut, it suits a wide number of applications.

## Key features and benefits

Versa-Nut® inserts offer key benefits:

Specially designed for use in soft materials, plastics and composites

Quickly installed by using simple handtools (less than 3 seconds)

Only require blind side access

Additional benefits against conventional inserts:

1) Extra large blind side bearing area after placing offers:

- Higher pull-out and torque-to-turn resistance
- Less radial loading of holes in brittle materials
- Less risk of cracking and de-lamination of composites

2) Up to twice the grip range of standard blind inserts:

- Enables a designer to reduce the size or number of fasteners in an assembly
- Covers large variations of thicknesses



74405 Split tool  
Lightweight placing head  
Ideal for placing the Versa-Nut® threaded insert  
range up to M8  
High placement speed  
Lightweight tool  
Robust tool  
Places a wide range of threaded inserts  
Ergonomic, ease of maintenance

## Ideal applications

Applications for the Versa-Nut® insert include blow-molded automotive parts and trim fixings, sandwiched sections, and composite panels in truck, bus, caravan and marine interiors. They also are suited to general composite and plastic sections for toys, small domestic appliances, containers, display panels, and plastic furniture, as well as fiberboard and plywood assemblies.

## Range

Low carbon steel zinc plated and yellow passivated to achieve 96 hours resistance to red corrosion (ASTM B117)  
Thread sizes from M5 to M8  
Just two length versions of an M6 Versa-Nut®  
Insert will grip between 0.5 and 12.7mm of material thickness – reduced fastener inventory



An Acument™ Global Technologies Company

**Notice:**

The information provided in this document is correct at the time of print but will be subsequently subject to change at the discretion of Avdel® without prior consultation. Product and data information is provided for guidance only and may not therefore be representative of future product supply or performance.