

**TAPPEX
THREAD INSERTS LIMITED**

Masons Road
Stratford-upon-Avon
Warwickshire
CV37 9NT

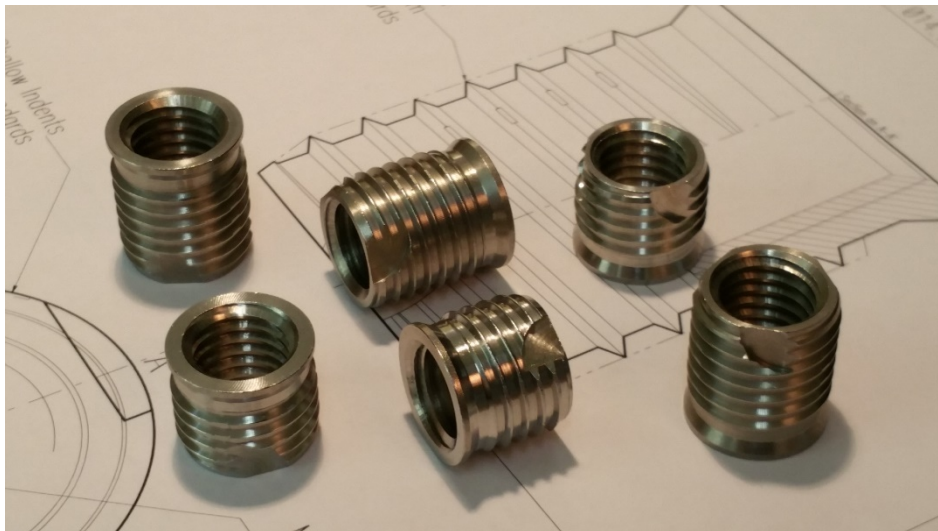
Telephone: +44(0) 1789 206600
Fax: +44(0) 1789 414194
Email: sales@tappex.co.uk

ETP 59 **(EXTERNAL TECHNICAL** **PAPER NUMBER 59)**

TAPPEX TRISERT-3® RANGE EXTENDED TO INCLUDE M12

The Tappex Trisert-3 range of self-tapping inserts is now well established within many markets and industries around the world. Offering a durable re-useable thread for use in thermoplastics, thermosets, composites and light alloy parent materials.

In-line with our philosophy of continuous product development and to meet the demands of our customers, Tappex have now extended the proven Trisert-3 range to include M12. They are currently available in short, regular and long bodies; all with a reduced head form.



The M12 Trisert-3 retains all the advantages of the existing Trisert-3 range: Three facets offering balanced cutting, enhanced back out performance, large bearing surface, speed of installation, free running internal thread, compatibility with the existing Trisert / Trisert-3 hole sizes, reduced external diameter and fully supported cutting edges.



The part number is defined as per the Trisert-3 range with short 6239, regular 6238, and long 6270 lengths as standard, followed by the thread size and material designation defined as -303 or -316.

Current and planned availability and key dimensions:

| Part Number | Available | Thread Size | Length (mm) | Outside dia. (mm) | Hole dia. (mm) | Minimum boss dia. (mm) |
|-------------|-----------|-------------|-------------|-------------------|----------------|------------------------|
| 6239M12-303 | Yes | M12 | 13.5 | 15.9 | 15.0 -15.65 | 27.4 |
| 6239M12-316 | Yes | M12 | 13.5 | 15.9 | 15.0 -15.65 | 27.4 |
| 6238M12-303 | Yes | M12 | 18.0 | 15.9 | 15.0 -15.65 | 27.4 |
| 6238M12-316 | Yes | M12 | 18.0 | 15.9 | 15.0 -15.65 | 27.4 |
| 6270M12-316 | Yes | M12 | 20.0 | 15.9 | 15.0 -15.65 | 27.4 |
| 6270M12-303 | Yes | M12 | 20.0 | 15.9 | 15.0 -15.65 | 27.4 |

The hole and minimum boss diameter are for guidance only and will depend on the particular grade of material which the inserts are being installed into. To determine the optimum dimensions for your application please contact our engineering department. Testing is always recommended.