

# ABOUT TR FASTENINGS

## Core Product Overview



TR Fastenings is recognised throughout the industry for world-class products and services. We manufacture, stock and distribute a vast range of industrial fasteners and associated components.

**SPECIFY • MANUFACTURE • DELIVER • INTERNATIONALLY**

[www.trfastenings.com](http://www.trfastenings.com)

Edition 5

# TR GENERAL FASTENERS

## Overview



### MACHINE SCREWS

**Threads:** Metric • Unified  
**Heads:** Pan • Countersunk • Flange • Hexagon  
**Drives:** PoziDriv® • Cross Recess • Slotted • T-Drive (6-Spline) • Many more  
**Materials:** Steel • Stainless Steel • Brass • Nylon



### WASHERS

**Range:** Flat • Shakeproof • Lock

**Materials:** Steel • Stainless Steel • Brass • Nylon • Fibre



### NUTS

**Range:** Full • Lock • Binx® Self-Locking • Nylon insert • Castle • Many more

**Threads:** Metric • Unified

**Materials:** Steel • Stainless Steel • Brass • Nylon



### SOCKET PRODUCTS

**Range:** Cap • Button • Countersunk • Set • Shoulder • Keys

**Threads:** Metric • Unified

**Materials:** High-tensile Steel • Stainless Steel



### SELF TAPPERS

**Range:** Pointed • Blunt • Thread-Cutting  
**Heads:** Pan • Countersunk • Flange • Hexagon  
**Drives:** PoziDriv® • Cross Recess • Slotted • T-Drive (6-Spline)  
**Materials:** Steel • Stainless Steel



### THREAD FORMING

**Heads:** Pan • Countersunk • Flange • Hexagon  
**Drives:** PoziDriv® • Cross Recess • Slotted • T-Drive (6-Spline)  
**Materials:** Steel • Stainless Steel • Aluminium • Brass



### BOLTS & STUDDING

**Range:** Sets • Bolts • Studding • Carriage

**Materials:** Steel • High Tensile Steel • Stainless Steel



### PINS

**Range:** Roll • Dowel • Split • Groove • Taper

**Materials:** Steel • Stainless Steel

# TR GENERAL FASTENERS

## Overview



### RIVETS



**Range:** Blind • Semi-Tubular  
• Solid • Push

**Materials:** Aluminium • Steel  
• Stainless Steel • Nylon •  
Nickel-Copper • Copper •  
Nylon

### SCREW WASHER ASSEMBLIES



**Range:** Single Washer •  
Double Washer  
**Threads:** Metric • Unified  
**Heads:** Pan • Countersunk  
• Flange • Hexagon  
**Drives:** PoziDriv® • Cross  
Recess • Slotted • T-Drive  
**Materials:** Steel • Stainless  
Steel • Brass

### CIRCLIPS

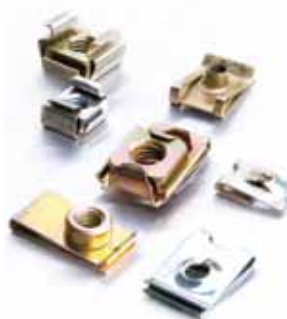


**Range:** Internal • External •  
Heavy duty • Many more

**Sizes:** Metric • Inch

**Materials:** Steel • Stainless  
Steel

### SPRING STEEL FASTENERS



**Range:** Cage nuts • U nuts  
• J nuts • Torque nuts •  
Many more

**Threads:** Metric • Unified

**Materials:** Steel

### STAINLESS STEEL FASTENERS



A massive range of standard  
and specialist fasteners is  
available in different grades  
of stainless steel,  
including: A2 • A4 • High-  
Strength Stainless

### PCB HARDWARE & CABLE MANAGEMENT



**Range:** Circuit Board  
Support • Rivets • Nylon  
Screws • Support Posts  
• Cable ties & Accessories  
• Adhesive Base • Cable  
Management • Spacers &  
Pillars

### TURNED PARTS



Our factories in Europe and  
Asia produce bar turned and  
cold formed fasteners from  
0.6mm diameter up to 12mm  
diameter, specifically to  
customer drawing.

### PRESSINGS



Our global network of  
approved sub-contractors  
allow us to offer practically  
any size of turned,  
cold-formed, pressed or  
moulded component.

# TR BRANDED PRODUCTS

## Overview



### TR RIVET BUSHES

**Range:** Round • Hexagon • Mini • Tank • Stand-Offs

**Threads:** Metric • Unified

**Materials:** Steel • Stainless Steel • Aluminium • Brass



### TR SELF CLINCH FASTENERS

**Range:** Studs • Nuts • Stand-Offs • Panel Fasteners

**Threads:** Metric • Unified

**Materials:** Steel • Stainless Steel • Aluminium



### TR SCREWS FOR PLASTIC

**Range:** Standard Performance • High Performance

**Heads:** Pan • Countersunk • Flange • Hexagon

**Drives:** Pozidriv® • Cross Recess • Slotted • T-Drive (6-Spline)

**Materials:** Steel • Stainless Steel



### TR BLIND RIVET NUTS

**Range:** Flange Head • Countersunk • Reduced Head • Sealed

**Threads:** Metric • Unified

**Materials:** Steel • Stainless Steel • Aluminium



### TR INSERTS FOR PLASTIC

**Range:** Cold • Heat • Ultrasonic

**Application:** Thermoplastic • Thermoset

**Threads:** Metric • Unified

**Materials:** Brass



### TR SECURITY FASTENERS

**Range:** Machine screws • Self-Tapping Screws • Bolts • Nuts

**Heads:** Pan • Button • Countersunk • Hexagon

**Drives:** Re-usable • Permanent

**Materials:** Steel • Stainless Steel



### TR MICRO DIAMETER

**Range:** Machine Screws • Threadforming Screws • Nuts • Washers

**Sizes:** M0.6 to M2.5

**Materials:** Steel • Stainless Steel



### BINX® ALL METAL SELF LOCKING NUTS

**Range:** Binx® • Tri-5 • Tri-6 • Wun-loc • Hank-loc

**Threads:** Metric • Unified

**Materials:** Steel • Stainless Steel • Brass • Aluminium







### 24 Hour Support

The TR Fastenings technical website has dimensional information on 1000's of products. This site also gives our customers access to the most comprehensive free fastener CAD library available. With over 20,000 configurations in the library, you can specify the exact size of fastener you require then download the correctly sized model in any one of 27 different 2D and 3D formats. These include: AutoCAD, Catia, Pro/Engineer, SolidWorks, DXF, IGES and STEP.

The enquiry basket has been designed to make specifying fasteners as easy as possible. We know most engineers work on many individual projects and that these projects often need fasteners. With the enquiry basket you can save fastener specifications from our site into individual projects making them much easier to find later. With our enquiry basket you can:

- Generate TR part numbers for any item on our site
- Save items into enquiries
- Create as many enquiries as you need
- Quickly send enquiries to TR

Our online product knowledge base articles have been designed to assist customer application design and assemblies.

Other functions include the animation library showing a step by step guide of how our branded fasteners work, conversion calculator, and access to our engineering newsletter keeping you informed of all the latest news and developments.

**[www.trfastenings.com](http://www.trfastenings.com)**



### Special Manufacture

Our own factories in Asia and Europe produce over 5 billion components a year, many of which are specifically to customer drawing. In addition, our strategic partnerships with other world-class manufacturers allows us to offer a wide range of special parts.

Country	Manufacturing Space	Operations	Monthly Output
China	2914 m2	cold-heading	70 million components
Malaysia	2800 m2	cold-heading	70 million components
PowerSteel, Malaysia	18211 m2	cold-heading	35 million components
Singapore	5300 m2	cold-heading	150 million components
Taiwan	4200 m2	cold-heading	200 million components
UK	1200 m2	bar turning	4 million components
Total	34625 m2		529 million components

### Other Components

For customers we supply via a Vendor Managed Inventory system such as Direct Line Feed, we can include non-fastener products as part of the supply agreement. We can supply practically any high-volume, low-cost component including: cables, clips, plastic parts, connectors, switches, springs, batteries, hinges, levers, handles, brackets, hooks, pins, keys, spacers and much more.

# TR SPECIAL MANUFACTURE

## Overview



Heads					Serrations	
<i>Countersunk / Flat</i>	<i>Raised Countersunk / Oval</i>	<i>Flange / Round Washer Head</i>	<i>Fillister</i>	<i>Hex Washer Head</i>	<i>Clockwise</i>	<i>Half Moon Nibs</i>
						
<i>Round</i>	<i>Mushroom / Truss</i>	<i>Pan</i>	<i>Hex</i>	<i>Slotted Hex Washer Head</i>	<i>Counter Clockwise</i>	<i>Straight Line</i>
						

Drives					
<i>Square</i>	<i>Tri-Wing®</i>	<i>Hex Socket</i>	<i>Slotted</i>	<i>Phillips</i>	<i>Slotted Phillips</i>
					
<i>Torx® / Torx®-Plus slotted</i>	<i>Torx® / Torx®-Plus</i>	<i>Torx® / Torx®-Plus Tamper Resistant</i>	<i>Flat-Top Phillips</i>	<i>Pozidriv</i>	<i>Pozi Slotted</i>
					

Threads							
<i>AB</i>	<i>B</i>	<i>C</i>	<i>T (23)</i>	<i>BT (25)</i>	<i>17</i>	<i>U</i>	<i>Y</i>
							
<i>Coarse Thread</i>	<i>Machine Screw</i>	<i>Plastic Thread</i>	<i>High Low Thread</i>	<i>Special Radius Point</i>	<i>Tri-lobe Thread CA Point</i>	<i>Tri-lobe Thread S Point</i>	<i>Tri-lobe Thread P Point</i>
							

# TR FASTENINGS

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