

# BLIND RIVET NUTS

Designation: **BLIND RIVET NUTS**

Codes: **TRCA, TRCR Y TRAV**

Reference: **FT TR-en**

Date: **22/09/15**

Revision: 3

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## 1. TRCA

### RIVET NUT WIDE HEAD



#### Properties



Steel



Coating: zinc plated  $\geq 5 \mu\text{m}$

#### Main applications



Carpintería aluminio  
Aluminum  
woodwork

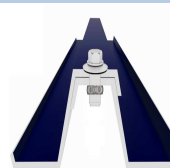


Plate assembly



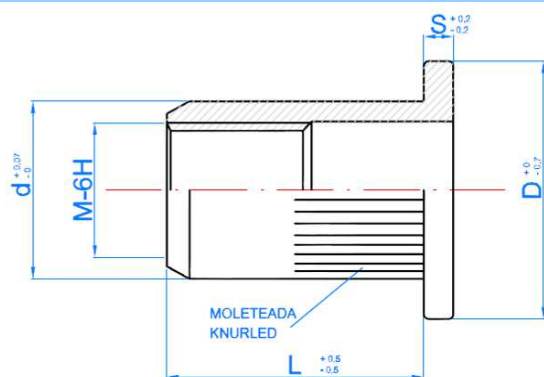
Profile plate metal

#### 1.1. Characteristics and advantages

- Provides a big bearing area under the head to distribute efforts.
- Extremely versatile.
- Reinforces the hole and prevents thrust fault.
- Head can be used as a spacer.
- Possibility of using seal.
- To be used in metallic sheets or soft materials in high strength.

#### 1.2. Information

| CODE     | Metric | L Length [mm] | D $\phi$ head [mm] | d $\phi$ body [mm] | S Lip thickness [mm] | Fixing thickness [mm] | $\phi$ Pilot hole [mm] |
|----------|--------|---------------|--------------------|--------------------|----------------------|-----------------------|------------------------|
| TRCA0310 | M3     | 10            | 7                  | 4.9                | 1.0                  | 0.5 $\div$ 3.0        | 5                      |
| TRCA0410 | M4     | 10            | 9                  | 5.9                | 1.1                  | 0.3 $\div$ 3.0        | 6                      |
| TRCA0411 |        | 11.5          |                    |                    |                      | 3.1 $\div$ 4.0        |                        |
| TRCA0512 | M5     | 12            | 10                 | 6.9                | 1.1                  | 0.3 $\div$ 3.0        | 7                      |
| TRCA0515 |        | 15            |                    |                    |                      | 3.1 $\div$ 4.0        |                        |
| TRCA0614 | M6     | 14.5          | 12                 | 8.9                | 1.6                  | 0.5 $\div$ 3.0        | 9                      |
| TRCA0616 |        | 16            |                    |                    |                      | 3.1 $\div$ 4.1        |                        |
| TRCA0816 | M8     | 16            | 15                 | 10.9               | 1.6                  | 0.5 $\div$ 3.0        | 11                     |
| TRCA0818 |        | 18.5          |                    |                    |                      | 3.1 $\div$ 5.5        |                        |
| TRCA1017 | M10    | 17            | 19                 | 12.9               | 2.1                  | 0.5 $\div$ 3.0        | 13                     |
| TRCA1022 |        | 22            |                    |                    |                      | 3.1 $\div$ 6.0        |                        |
| TRCA1223 | M12    | 23            | 23                 | 15.9               | 2.1                  | 1.0 $\div$ 4.0        | 16                     |



#### MECHANICAL PROPERTIES RECOMMENDED LOAD

| Metric [-] | Tensile [KN] | Shear [KN] | Torque [Nm] |
|------------|--------------|------------|-------------|
| M3         | 4.9          | 0.98       | 3.0         |
| M4         | 4.9          | 1.66       | 4.5         |
| M5         | 11.088       | 2.74       | 5.4         |
| M6         | 17.65        | 3.43       | 11          |
| M8         | 27.45        | 4.41       | 29          |
| M10        | 28.43        | 4.9        | 32          |
| M12        | 48.05        | 6.86       | 44.2        |