

## ● Blind rivet nuts

A Tubtara® blind rivet nut is a mechanical fastener that ensures a strong thread in a thin sheet and is used in applications where there is little or no access at the rear. It can be used to clinch separate sheets together (acting as a rivet) and allows you to assemble another component with a bolt or screw.

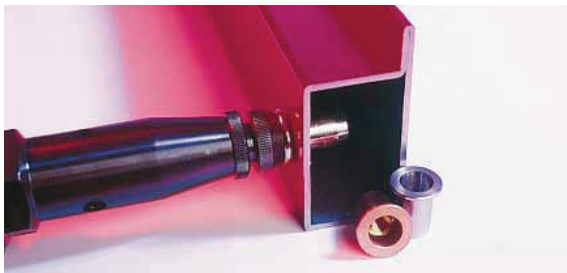
## ● Benefits

- Provides a strong thread in a thin sheet
- Simple blind (one sided) installation
- Fast assembly time
- Low assembly costs : easy installation with 1 single operation of the hand
- Avoids damaging the (pre-coated or -painted) surface of the workpiece
- No deformation of the workpiece
- Low installation cost : no expensive setting tools needed
- Works in close-to-edge applications
- Unloseable after setting
- Appropriate for repeated (re-)assembly

## ● Installation

Installing a Tubtara® blind rivet nut is very simple : screw the Tubtara® on the mandrel of the setting tool, bring it into the hole of the workpiece, pull lengthwise to set the Tubtara® and unscrew the mandrel. For more detailed information on the setting method see pg 50 .

A Tubtara® can be set with a hand- or pneumatic tool, a press or an automatic installation unit.



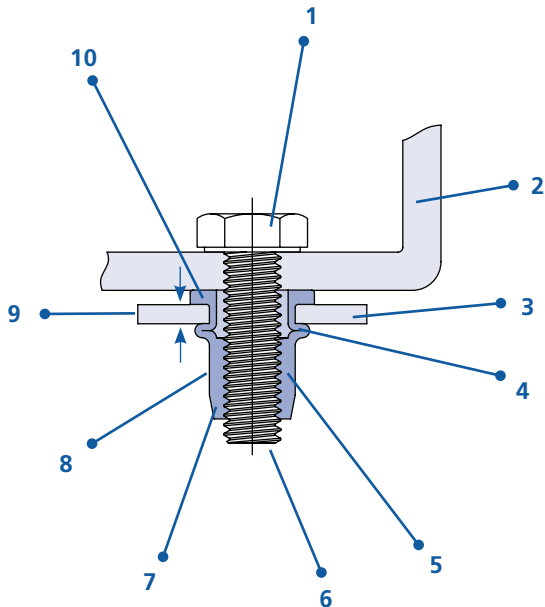
## ● Applications

A Tubtara® is used in all kinds of sheet metal applications. It avoids tapping, welding and working with a bolt and nut. It's a very good solution for enclosed applications that can only be accessed from one side.

Some marketsegments :

- Aerospace
- Automotive
- White Goods
- Electronics
- Metal furniture
- Railways
- Telecom
- Food
- Chemicals
- Lighting
- Marine
- Offshore
- Medical
- Pulp & paper
- etc...

e.g. cabinets, pipes, cable trays, leg levelling, window & door profiles, rails, benches, fences, metal enclosures, heating installations, airconditioning, swimming pools, solar panels etc.



● Terminology

1. Screw or bolt inserted for assembly
2. Assembled part
3. Workpiece: can be 1 sheet or several sheets which have to be clinched
4. Bulb or counterhead: the chamber (un-threaded part) of the Tubtara® deformed during setting
5. Strong, secured internal thread of the Tubtara®
6. Open or closed end: closed version minimalizes the ingress of dirt & fluids especially in combination with an underhead seal (see HX-version pg 39)
7. Chamfer: leads the Tubtara® into the hole
8. Shank: round, (semi-)hexagonal or splined version
9. Grip: the exact material thickness of the workpiece
10. Head: flat, countersunk, low profile or watertight head - NEW : anti-turn head

● Product Description

Steel	M5	RS	UFO	40
Stainless	M6	H	UKX	30
Aluminium	M8	-	UPO	80
↓	↓	↓	↓	↓
<b>material</b>	<b>thread</b>	<b>shank</b>	<b>head &amp; shank</b>	<b>max grip</b>
		RS: splined	F: countersunk head	
		H: hexagonal	P: flat head	
		- : round	K: low profile head	
			O: open end	
			X: closed end	

● How to choose the appropriate Tubtara® ?

- What kind of material and surface treatment do you need?
- What is the required thread size?
- Choose the correct griprange for the required material thickness of the application.
- Choose the required head and shank style.
- Do you need an open or closed version?
- Check the technical characteristics of the chosen Tubtara®.

We advise you to do some tests on the suitable product in the specific application on beforehand. **Samples are available on request.**

