

TUBTARA® PRODUCTS ARE AVAILABLE AT:

**MARYLAND
METRICS**

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Owings Mills, MD 21117 USA
(800)638-1830
(800)872-9329
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General Information

Tubtara® Unigrip

CHARACTERISTICS

- Blind setting by means of handy tools.
- Low installation cost.
- Reliable and permanent fastening.
- No surface damage.
- Clenching assembly and possibility of screw insertion (also in thin sheets).

Standard types available in aluminium, steel, brass and stainless steel.

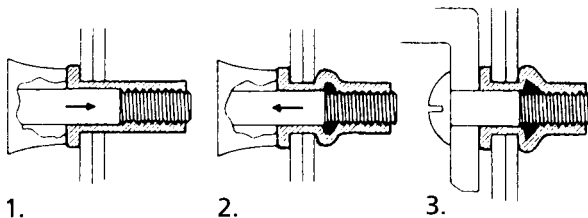
Heads: flat, countersunk and low profile.

Shanks: round, hexagonal and splined shanks; open and closed.

Special executions on request.

PRINCIPLE

1. The Tubtara®, mounted on the setting tool, is brought into the hole of a workpiece from one side.
2. Then pulled lengthwise, which causes an expansion on the underside of the workpiece.
3. Possibility of subsequent bolt assembly.



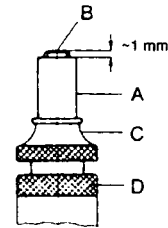
SETTING METHOD

- Select a Tubtara® considering the required thread and type according to material thickness.
- Drill holes fit to the Tubtara® to be used.
- The Tubtara® (A) is screwed (manually or semi-automatically) on the mandrel (B) of the tool.

For a Tubtara® with open shank the mandrel should protrude about 1 mm.

For closed shanks until resistance is felt.

- The anvil (C) is now screwed against the head of the Tubtara® and blocked with the locking nut (D).
- The Tubtara® on the tool has to be introduced into the hole of a test workpiece.
- Hold the tool perpendicularly to the workpiece and action the tool to set the Tubtara®.
- The mandrel has to be unscrewed from the Tubtara® which is now set.



FORMING HEXAGONAL HOLES FROM ROUND ONES

The special DFS hand or pneumatic tools allow you to convert round holes to hexagon simply and quickly from one side of the workpiece.
(For detailed information see tools)