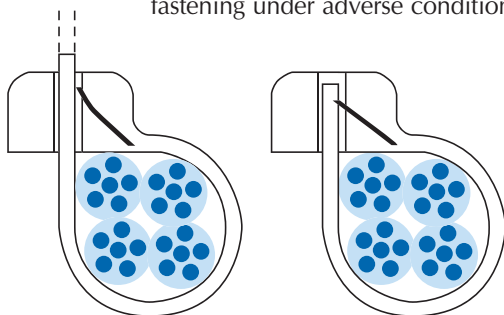
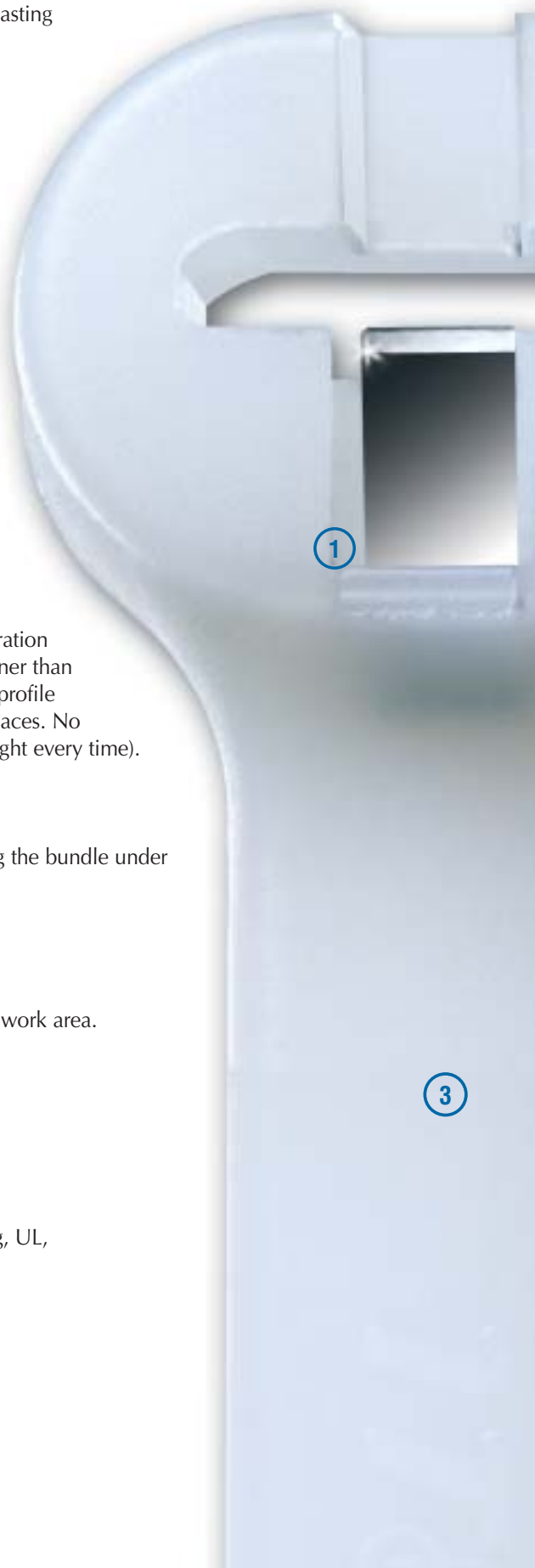




- 1 **“The Grip of Steel” Non-Magnetic Stainless Steel Locking Device – marine grade type 316** - that firmly anchors inside the tie head, ensures a strong, reliable and long lasting fastening under adverse conditions.



- 2 **Rounded Edges**, on the head and the strap, provide a comfortable handling of the ties and prevent sharp edges from damaging the cables. This gradual transition from the strap to the head protects the material against breaking at this most critical point. The edges of the head are also rounded off to offer maximum protection from injury.
- 3 **Smooth, Notchless Body**, reduces stress concentration points, making the Ty-Rap® ties stronger and thinner than conventional ties with notched bodies. The low-profile design of the head allows secure tying in tight spaces. No serration, means infinite adjustment (tensioned right every time).
- 4 **Ribbed and Stippled Surface**, to prevent the tie from slipping around and along the bundle under vibration conditions and external shock.
- 5 **Angled Tail (turned up)** for fast and easy insertion into the locking head and ideally suited to being picked up from a flat work area.
- 6 **Non-Slip Tail**, for an easy grip and pulling through the head during tensioning.
- 7 **Extensive Range of Approvals:** Germanischer Lloyd, Lloyd’s Register of Shipping, UL, VG and MIL.





6

5

Most Extensive Choice of Special Materials:

in addition to Polyamide 6.6 (standard, UV-resistant, heat stabilised, flame retardant, heat stabilised/UV-resistant), Polyamide 4.6 (extra high temperature) and Polyamide 12, the Ty-Rap® ties are available in Polypropylene, Halar®* (ECTFE), Tefzel®** (ETFE). UL 94 V-0, UL 94 V-2 and UL 94 HB.

8

Wide Range of Size Combinations:

several lengths up to 1143mm, in 6 typical widths with a tensile strength up to 780N, to fasten cable bundles with a diameter up to 330mm.

9

Wide Choice of Colours:

10 standard colours are available, along with a range of special colours and the capability to supply customised pre-printed ties on demand, in any one of the 10 standard colours.

10

Dedicated Tooling,

to ensure that the excess end of the Ty-Rap® tie is automatically cut off and the slight over cut retracts into the head, eliminating the risk of injury from protruding sharp edges.

11

Different Types of Packaging,

including the unique "workbench boxes" for fast working without problems or losses. Recyclable packaging for a better contribution to the environment.

12

Outstanding Range of Special Ties,

all with the famous stainless steel locking device: ties with mounting hole or integrated peg/nail, panel mounting ties, identification ties with integrated label,...

13

Broad Range of Mounting Bases and Accessories.

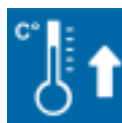
14



UV-resistant



Flame retardant



Heat resistant



Weatherproof



Low temperature flexibility



Radiation resistant



Chemically resistant



Low smoke

* Halar® is a registered trademark of Solvay Solexis

** Tefzel® is a registered trademark of DuPont de Nemours