

# VERBUS-RIPP®

## Ideal for applications subject to vibration loosening

VERBUS-RIPP® is a new development in the field of mechanical self-locking fasteners.

Alternative self-locking systems use a saw-tooth principle; teeth are set at an angle against the direction of unscrewing, during tightening these teeth cut into the parent material in order to anchor the fastener.

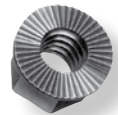
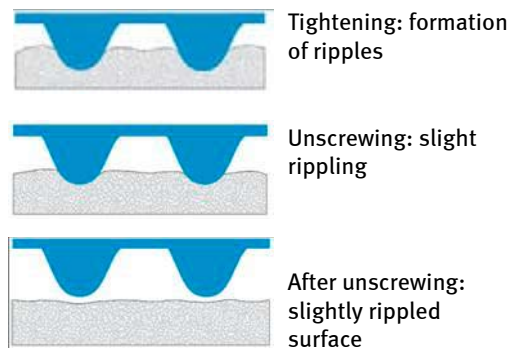
The VERBUS-RIPP® self-locking system features locking ribs which do not cut into the parent material. Instead of cutting, the special shaped VERBUS-RIPP® ribs use a cold forming principle to lock into the contact surface. This achieves a far more effective self-locking effect, without causing damage to the contact surface.



Features	Benefits
VERBUS-RIPP® underhead ribs	Reduces the loss of clamping force Can eliminate need for additional washers, reducing cost & complexity
Surface friendly locking system	No damage to the contact surface during removal due to unique underhead geometry
All purpose	All VERBUS-RIPP® variants are reusable Ideal for soft materials, joining thin sheet Metals & heat treated surfaces
Easy to tighten	Does not cut into the surface
Ideal for applications under vibration loading	Meets all customer requirements

## Range

Sizes: M5 to M16



## Application examples

Any connection that needs to be secured without damaging the contact surface

Joining thin sheet metal parts together without damaging the contact surface

Assembly of copper or aluminium materials

Self-locking on hard surfaces subject to high temperatures (above 90°C)

- Automotive applications
- General industrial
- Electrical appliances