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All technical specifications contained in this brochure are approximate and no guarantee is given as to their accuracy. Designs are subject to change.
## TIFAS® bulb-tite blind rivets

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<th>Description</th>
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<td>Flat head without neoprene washer, aluminium/aluminium</td>
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<tr>
<td>Truss head with neoprene washer, aluminium/aluminium</td>
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The outstanding feature of TIFAS® bulb-tite blind rivets is their clamp strength. During the installation process, three star-shaped legs are formed on the blind side to create a wide, blind side footprint big enough to cover even large drilled hole tolerances. This feature makes TIFAS® bulb-tite blind rivets suitable for materials with deviating thicknesses and uneven surfaces as well as for soft and thin material. The high shear strength and secure (vibration-resistant) retention of the mandrel sets the TIFAS® bulb-tite blind rivet apart from other blind side folding leg rivets (large grip range, clamp force distribution across a large area). Versions with a pre-fitted neoprene washer can also be used for airtight and watertight rivet applications.

Installation is also possible on offset drilled holes so long as the rivet head can be pushed through. With the aid of a blind rivet installation tool fitted with a special nose piece, the installed blind rivets are mechanically secured and annular. Blind rivet installation tools with a suitable range of performance and fitted with a special nose piece are required. TIFAS® bulb-tite blind rivets have long since proven their worth as the ideal fastener in roof and facade construction as well as bodywork and vehicle construction.

**Large grip range**

**High clamp force**

**Curved mating surfaces**
Benefits at a glance

- Universal use
- Mandrel remains secured; the mandrel always snaps off at the same position or inside the rivet head.
- Large grip range reduces storage needs
- Corrosion-resistant – aluminium and galvanised steel rivets
- Watertight in combination with a neoprene washer
- Ideal for hard/soft connections
- Large blind-side footprint
- Quick and secure installation
- Permanent secure fixing
- Heatless installation means component will not warp
- Eliminates extensive refinishing
- Combines various materials such as metals and plastics
- Ideal for lightweight constructions
- One-sided installation. No back access required
- Securely retained mandrel ensures spent mandrel is very snugly fitted inside the installed rivet
- Shock-proof through patented rivet installation
- Little to no bearing pressure, resulting in no damage to hole surface
- Versatile use on flat or curved surfaces
- Special designs can be manufactured for larger order volumes

Applications

- General industry
- Automotive industry
- Bodywork and vehicle manufacture
- Construction industry, especially roof and facade construction

Coloured plastic caps

Matching plastic caps in numerous RAL colours are available for TIFAS® bulb-tite blind rivets. TIFAS® bulb-tite blind rivets can also be supplied with powder-coated or varnished heads, including in a desired RAL colour.

Miscellaneous

- A special nose piece is required for installation.
### TIFAS® bulb-tite blind rivets

#### Flat head with neoprene washer

**Material**

**Sleeve**
- Aluminium AlMg 5, waxed

**Mandrel**
- Aluminium AlCuMg 1, waxed

#### Chart

<table>
<thead>
<tr>
<th>Nominal Bore</th>
<th>Grip range</th>
<th>Blind sleeve</th>
<th>Blind rivet head</th>
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* Strengths at break relate to rivet failure

* DBT approval no. 2 14.1 4

Matching plastic caps in a variety of colours available on request for TIFAS® folding leg blind rivets.

Blind rivet installation tools with a suitable range of performance and fitted with a special nose piece required.

Other designs available on request.
**TIFAS® bulb-tite blind rivets**

**Flat head without neoprene washer**

**Material**

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<tr>
<th>Sleeve</th>
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* DIBT approval no. Z-14.1-4

Matching plastic caps in a variety of colours available on request for TIFAS® folding leg blind rivets.

Blind rivet installation tools with a suitable range of performance and fitted with a special nose piece required.

Other designs available on request.
TIFAS® bulb-tite blind rivets

Truss head with neoprene washer

Material

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TIFAS® Bulb-Tite Blind Rivets / Truss Head with Neoprene Washer

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* Strengths at break relate to rivet failure

Matching plastic caps in a variety of colours available on request for TIFAS® folding leg blind rivets.

Blind rivet installation tools with a suitable range of performance and fitted with a special nose piece required.

Other designs available on request.
### TIFAS® bulb-tite blind rivets

**Truss head without neoprene washer**

**Material**

- **Sleeve**: Aluminium AlMg 5, waxed
- **Mandrel**: Aluminium AlCuMg 1, waxed

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Matching plastic caps in a variety of colours available on request for TIFAS® folding leg blind rivets.

Blind rivet installation tools with a suitable range of performance and fitted with a special nose piece required.

Other designs available on request.
TIFAS® bulb-tite blind rivets

Truss head with neoprene washer

Material

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* Strengths at break relate to rivet failure

Blind rivet installation tools with a suitable range of performance and fitted with a special nose piece required.

Other designs available on request.
**TIFAS® bulb-tite blind rivets**

**Truss head without neoprene washer**

**Material**

- **Sleeve**
  - Steel, galvanised, waxed

- **Mandrel**
  - Steel, galvanised, waxed

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* Strengths at break relate to rivet failure

Blind rivet installation tools with a suitable range of performance and fitted with a special nose piece required.

Other designs available on request.
About us

Titgemeyer Group is a leading fastening technology and transport technology group of companies with 15 sites across Europe. Steeped in tradition, the company develops, manufactures and sells more than 30,000 fastening elements, tools and vehicle components – in series and to customer specification.

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