TITGEMEYER

Fastening Technology / Blind Rivets

TIFAS® Star Blind Rivets

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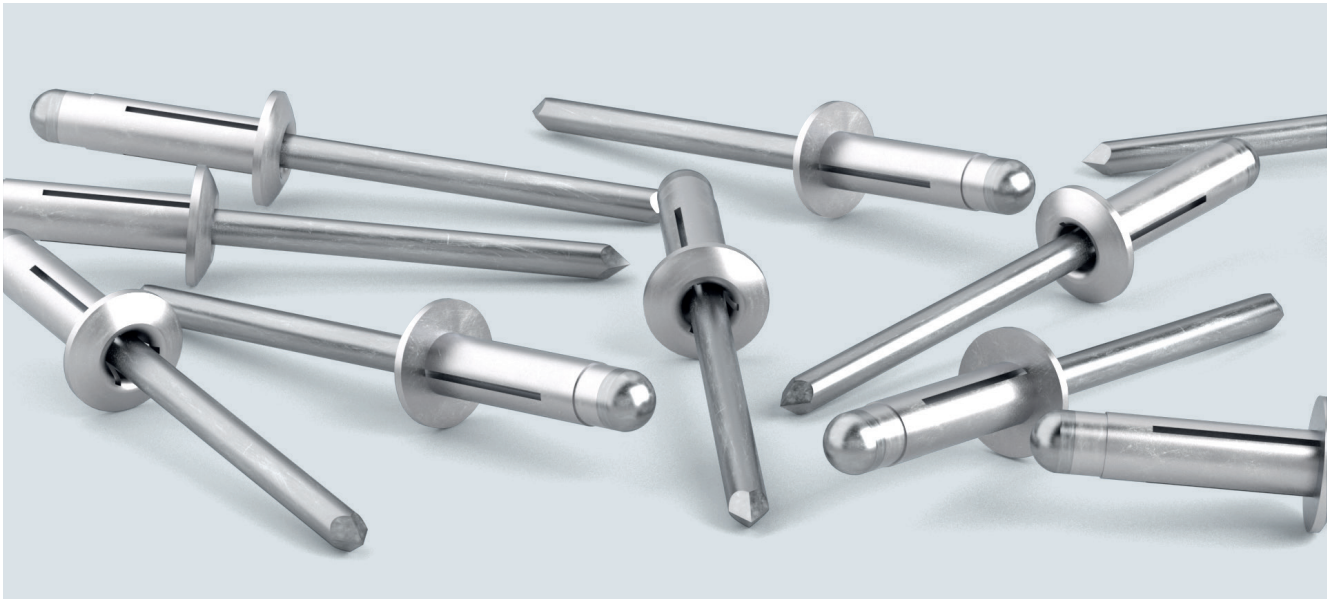
All technical data is intended as a guide but is not binding! Subject to change without notice.

TIFAS® Star blind rivets



TIFAS® Star blind rivets form three folding legs on the blind side on installation. These large-shaped folding legs evenly and sparingly distribute the resulting clamp force across the riveted material.

What's more, the large footprint created by the folding legs superbly prevents the rivet from being pulled all the way through very soft, porous or brittle components.
The captive mandrel prevents setting errors or rattles.

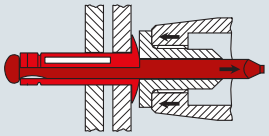
The unique design of the TIFAS® Star makes it capable of compensating for oversized or irregular bore diameters.

Also available in steel or aluminium with large head.
TIFAS® Star blind rivets are perfectly suited for the automotive sector, e.g. plastic panelling, bodywork components and vehicle interiors, but also for every other application that is especially soft, brittle, easily deformed, or porous.

Benefits at a glance

- Ideal for hard/soft connections
- Large blind-side footprint for ideal load distribution
- Generous drill hole tolerances
- Quick and secure installation
- Permanent secure fixing
- Heatless installation means component will not warp.
- Eliminates extensive refinishing
- Fastens different types of material, such as metal or plastic
- Ideal for lightweight constructions
- Folding legs form a very large blind-side footprint
- Distributes the contact load on the rear material and provides high pull out resistance
- Multi-range properties – covers numerous areas of material strength
- Securely retained mandrel head

1.



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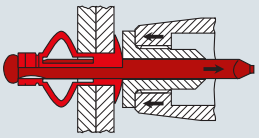

3.

Applications

- General industry
- Automotive industry
- Construction industry
- Bodywork and vehicle manufacture
- Plastics industry

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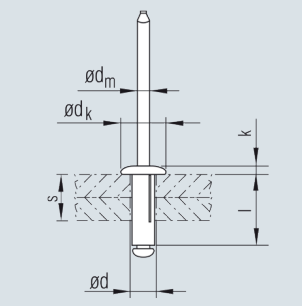
TIFAS® Star blind rivets

Dome Head

Material

Sleeve
Steel, galvanised, passivated

Mandrel
Steel, galvanised



Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±0.5 [mm]	Blind rivet head ø dk ±0.3 [mm]	Height k ±0.3 [mm]	Mandrel ø dm nom. [mm]	Nominal strength at break* Shear N	Tensile N	Article No.
4.8	5.0 - 5.2	1.0 - 6.4	17.2	9.8	1.8	2.9	2000	2500	424 870 000
		1.0 - 6.4	17.2	9.8	1.8	2.9	2000	2500	424 870 303
		3.0 - 8.5	19.5	9.8	1.8	2.9	2000	2500	424 871 000
		3.0 - 8.5	19.5	9.8	1.8	2.9	2000	2500	424 871 303

* Strengths at break relate to rivet failure.

Other designs available on request.

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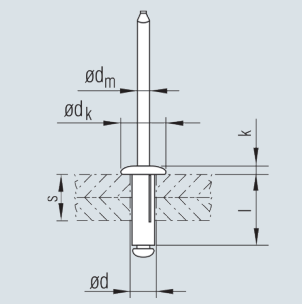
TIFAS® Star blind rivets

Dome Head

Material

Sleeve
Aluminium AlMg 2.0/2.5

Mandrel
Aluminium AlMg 2.0/2.5



Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±0.5 [mm]	Blind rivet head ø dk ±0.3 [mm]	Height k ±0.2 [mm]	Mandrel ø dm nom. [mm]	Nominal strength at break* Shear N	Tensile N	Article No.
4.0	4.2 - 4.5	5.0 - 12.0	24.8	8.0	1.4	2.3	540	830	424 632 000
4.8	5.0 - 5.3	1.0 - 4.0	15.3	9.8	1.8	2.9	800	1070	424 634 000
		1.0 - 6.3	17.5	9.8	1.8	2.9	800	1070	424 635 000
		1.0 - 9.0	20.5	9.8	1.8	2.9	800	1070	424 636 000
		4.0 - 12.0	24.0	9.8	1.8	2.9	800	1070	424 637 000
		8.0 - 16.0	28.0	9.8	1.8	2.9	800	1070	424 638 000

* Strengths at break relate to rivet failure.

Other designs available on request.

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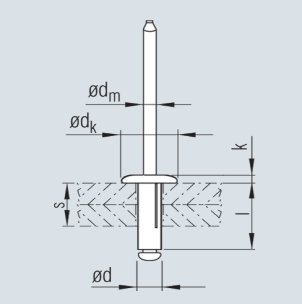
TIFAS® Star Blind Rivets

Large dome head

Material

Sleeve
Aluminium AlMg 2.0/2.5

Mandrel
Aluminium AlMg 2.0/2.5



Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±0.5 [mm]	Blind rivet head ø dk ±0.3 [mm]	Height k ±0.3 [mm]	Mandrel ø dm nom. [mm]	Nominal strength at break* Shear N	Tensile N	Article No.
4.8	5.0 - 5.3	1.0 - 6.3	17.5	14.0	2.0	2.9	800	1000	424 641 000
		4.0 - 12.0	24.0	14.0	2.0	2.9	800	1000	424 643 000

* Strengths at break relate to rivet failure.

Other designs available on request.

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About us

Titgemeyer is a leading international provider in the fields of fastening technology, automation solutions, and industrial components. With over 500 employees across 11 European locations, this family-owned company, headquartered in Osnabrück, Germany, can look back on 125 years of success. Its portfolio comprises around 20,000 products, developed and manufactured both in series and in customised versions to meet specific customer needs.

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