Wide grip range
When using conventional blind rivets, the thickness of the components that need to be joined may only vary to a small degree. For example, three different blind rivets of differing lengths need to be used for grip ranges of between 1.5 and 4.0 mm. The TIFAS® Maxgrip simplifies this situation as it requires just one rivet to cover a grip range of 1.5 – 4.0 mm.

Mandrel retention
In the automotive industry, it is imperative that blind rivets do not cause any rattling once they have been installed. Any possibility of the spent mandrel or any relative movement between the sleeve and the spent mandrel making a noise must be eliminated. By mechanically retaining the mandrel, the TIFAS® Maxgrip ensures every single time that the spent mandrel in the installed blind rivet sits securely even when subjected to heavy vibrations.

Watertight
The principle used with the TIFAS® Maxgrip of clamping the sleeve material against the mandrel to make sure the mandrel is retained also serves to seal the rivet sleeve bore. This means that the TIFAS® Maxgrip is also watertight.

Rolled mandrel
The body of the mandrel is rolled to extend the tool life of the jaws.

Lead in chamfer
A lead-in chamfer on the rivet head facilitates insertion of the rivet into the bore and reduces rivet installation times.

Further information available at www.titgemeyer.com

Contact us for detailed information and to speak with our field sales representative. We will gladly advise you in full!

Qualitätsmanagement ISO 9001
www.dekra-siegel.de
DEKRA zertifiziert

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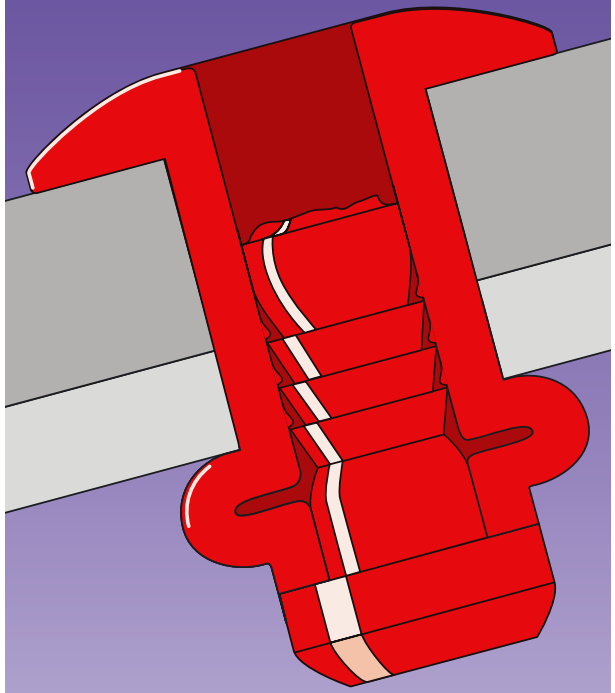
YOUR SOLUTION

TIFAS® Maxgrip blind rivets



More and more users are recognising and applying the proven benefits of working with blind rivets: for example, in electrical engineering, vehicle manufacturing, medical and mechanical engineering, household appliances, power engineering, the toy and furniture industries, or even in the automotive sector and equipment manufacturing.
Unlike welded joints, which cause the material to warp, rivets can be quickly installed on one side and with little heat. Even on hollow profiles and pipes, the joints are guaranteed to fit perfectly and maintain their dimensional accuracy.

TIFAS® Maxgrip blind rivets

The key feature of the TIFAS® Maxgrip is the design of its blind side footprint. As the rivet is being installed, the sleeve material moves radially outwards to form a disk-like blind side footprint. At the same time, the mandrel head does not plunge into the sleeve but deforms on upsetting, much like a pair of bellows. Unlike with conventional rivets, not only is the diameter of the blind side footprint wider with TIFAS® Maxgrip rivets but their more favourable shape makes for a stronger fastening. The blind side footprint of the TIFAS® Maxgrip is larger, which enables the disk-shaped head to rest on the rivet. The level of resistance to the installed rivet becoming unriveted is therefore significantly higher.

Benefits at a glance

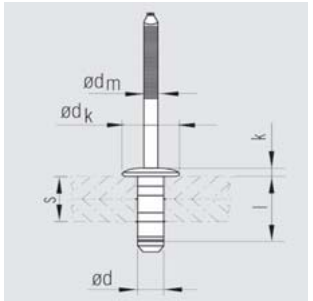
- High resistance to unriveting
- Large hole tolerances permissible
- High reproducibility
- Lower bearing pressure
- Visually appealingly shaped, large blind side footprint
- Wide grip ranges
- High clamp strength
- Securely fitting mandrel
- Suitable for automatic installation

Dome head

Material

Blind sleeve: Aluminium AlMg 3,5

Mandrel: Steel galvanised



Nominal ø d [mm]	Hole ø [mm]	Grip range s [mm]	Blind sleeve l +1,0 -0,2 [mm]	Blind rivet head ø dk [mm]	Blind rivet head Height k max [mm]	Mandrel ø dm max [mm]	Nom. shear strength [N]	Nom. tensile strength [N]	**Article No.**
4,8	4,9	1,5 – 4,0	11,0	9,6	1,5	3,0	1400	2000	**413 295 000**
		4,0 – 7,0	13,5						**413 296 000**
		7,0 – 10,0	17,0						**413 297 000**

Subject to change.