

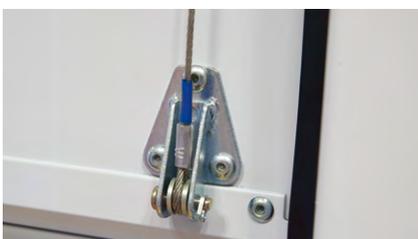


TIFAS® M-Bolt blind rivets



The high-strength TIFAS® M-Bolt blind rivets have been designed to cope with high loads. They remain snug even when subjected to dynamic loads. Their large grip range means they can be used for a very wide range of applications.

Through its load-bearing mandrel, TIFAS® M-Bolt comes with a high shear strength and tensile strength at break, allowing it to act as a load-bearing fastener. The mandrel always breaks flush, even when materials of varying strengths and thicknesses are present within the grip range.

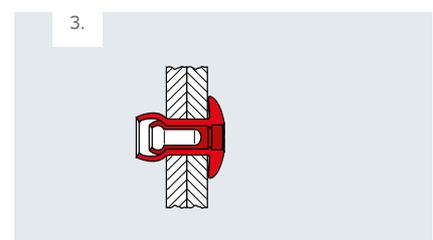
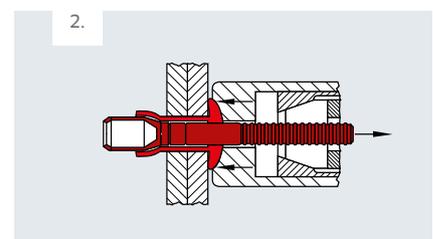
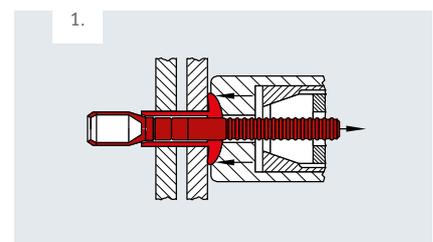


The spent mandrel remains securely retained within the sleeve (mechanical mandrel retention). The interior mandrel retention mechanism prevents the remaining section of the spent mandrel from corroding.

The good hole filling properties make for a sturdy, vibration-proof and water-resistant connection while also compensating for hole tolerances. Holes can be prepared to ensure joints are watertight and airtight. A special nose piece is required for installation.

Benefits at a glance

- Very high shear and tensile strengths at break
- Excellent hole filling properties
- Watertight and airtight
- High clamp force
- Heatless installation means component will not warp
- Mechanically locked spent mandrel
- Mandrel breaks off flush
- Visible mandrel retention for quick and easy inspection
- Non-rattle
- Large grip range



TIFAS® M-Bolt blind rivets

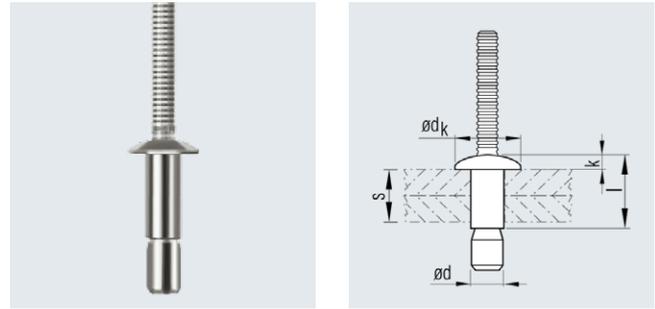


Truss head

Material

Sleeve
Steel SWCH 35K,
galvanised

Mandrel
Steel AISI 10B21/SAE J403/SAE J404,
galvanised



Nominal δ d [mm]	Bore δ [mm]	Grip range s [mm]	Blind sleeve l max. [mm]	Blind rivet head $\delta d_k +0.3 -0.9$ [mm]	Height k max [mm]	Nominal strength at break*		Article No.
						Shear N	Tensile N	
4.8	4.9 - 5.2	1.6 - 6.8	18.2	10.0	2.3	5785	4450	415 810 907
		1.6 - 11.1	25.5	10.0	2.3	5785	4450	415 812 907
6.4	6.6 - 7.0	2.0 - 9.5	24.3	13.0	3.0	10675	8230	415 820 907
		2.0 - 15.8	35.6	13.0	3.0	10675	8230	415 822 907

* Strengths at break relate to rivet failure

Special nose piece

Other designs available on request.



TIFAS® M-Bolt blind rivets

Countersunk 100°

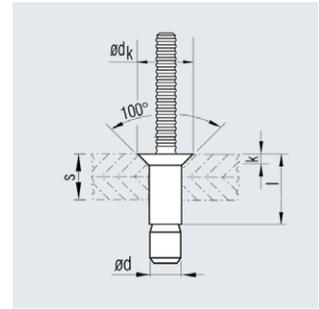
Material

Sleeve

Steel SWCH 35K,
galvanised

Mandrel

Steel AISI 10B21/SAE J403/SAE J404,
galvanised



Nominal \varnothing d [mm]	Bore \varnothing [mm]	Grip range s [mm]	Blind sleeve l max. [mm]	Blind rivet head \varnothing dk +0.3 -0.9 [mm]	Height k max [mm]	Nominal strength at break*		Article No.
						Shear N	Tensile N	
4.8	4.9 - 5.2	3.2 - 8.4	20.2	8.5	2.2	5785	4450	415 850 907
		3.2 - 12.2	26.2	8.5	2.2	5785	4450	415 851 907
6.4	6.6 - 7.0	3.2 - 12.0	26.3	10.5	2.4	10675	8230	415 860 907

* Strengths at break relate to rivet failure

Special nose piece

Other designs available on request.



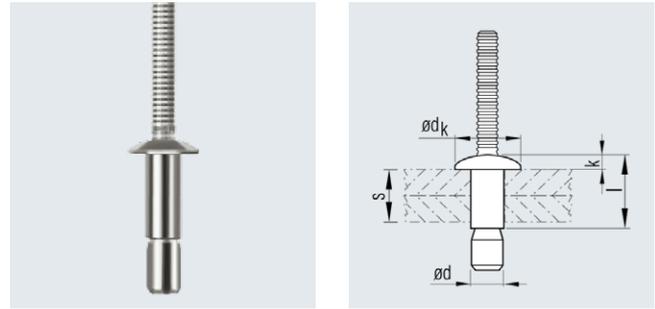
TIFAS® M-Bolt blind rivets

Truss head

Material

Sleeve
Aluminium AA 5056,
chromated

Mandrel
Aluminium AA 7075,
chromated



Nominal \varnothing d [mm]	Bore \varnothing [mm]	Grip range s [mm]	Blind sleeve l ± 0.3 [mm]	Blind rivet head \varnothing dk ± 0.3 [mm]	Height k ± 0.2 [mm]	Nominal strength at break*		Article No.
						Shear N	Tensile N	
6.4	6.6 - 7.0	2.0 - 9.5	14.0	13.0	2.6	5955	4200	415 840 901
		2.0 - 15.9	19.0	13.0	2.6	5955	4200	415 842 901

* Strengths at break relate to rivet failure

Special nose piece

Other designs available on request.

TIFAS® M-Bolt blind rivets



Truss head

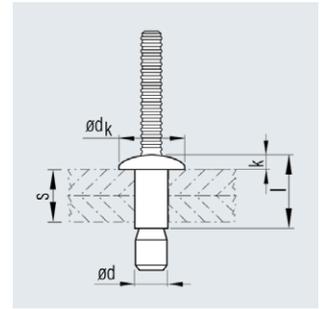
Material

Sleeve

Stainless steel A2
AISI Cu/1.4567,
passivated

Mandrel

Stainless steel A2
AISI Cu/1.4567,



Nominal \varnothing d [mm]	Bore \varnothing [mm]	Grip range s [mm]	Blind sleeve l max. [mm]	Blind rivet head \varnothing dk +0.3 -0.9 [mm]	Height k max [mm]	Nominal strength at break*		Article No.
						Shear N	Tensile N	
4.8	4.9 - 5.2	1.6 - 6.8	18.2	10.0	2.3	5785	4450	415 910 907
		1.6 - 11.1	25.5	10.0	2.3	5785	4450	415 911 907
6.4	6.6 - 7.0	2.0 - 9.5	24.3	13.3	3.0	10675	8230	415 920 907
		2.0 - 15.8	35.6	13.3	3.0	10675	8230	415 921 907

* Strengths at break relate to rivet failure

Special nose piece

Other designs available on request.