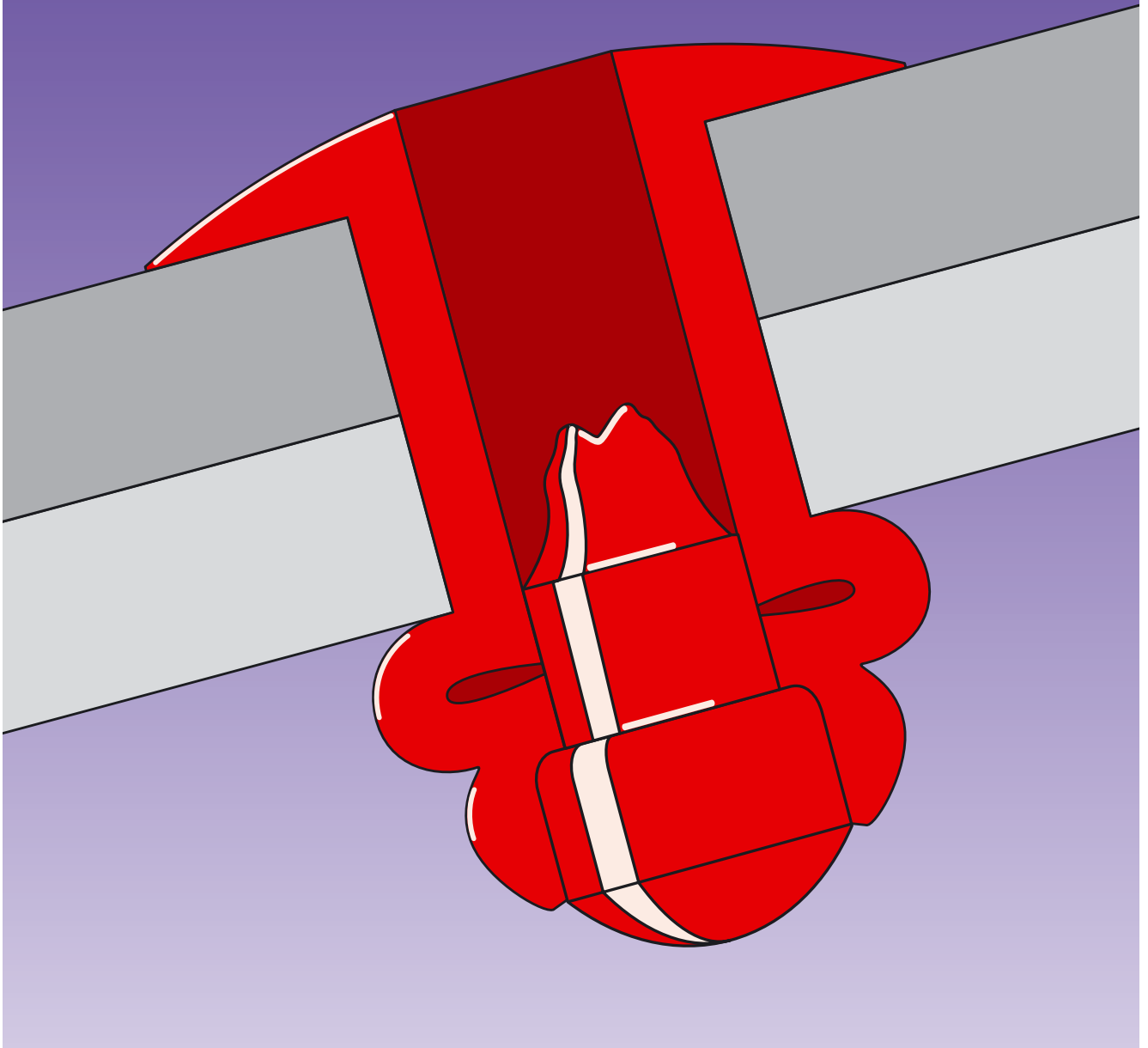


■ TIFAS[®] multigrip blind rivets



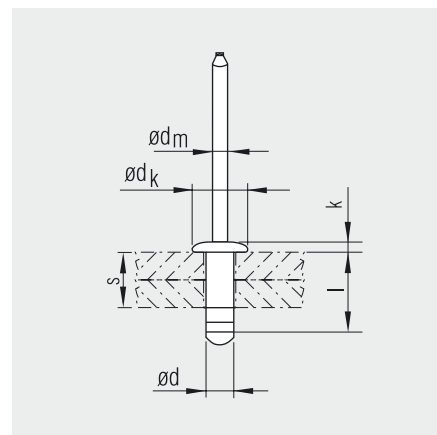
TIFAS® multigrip blind rivets

Dome head

Material

Sleeve
Steel SAE 1006 or equivalent
zinc, passivate

Mandrel
Steel SAE 1018/1035
zinc, passivate



Nominal size- \varnothing d [mm]	Hole- \varnothing [mm]	Grip range s [mm]	Sleeve length $l_{+0.4-0.2}$ [mm]	Head		Mandrel \varnothing $d_{m\ nom}$ [mm]	Strength ¹ nominal		Part No.
				\varnothing $d_k \pm 0.25$ [mm]	Height $k \pm 0.25$ [mm]		Shear ³ [N]	Tensile [N]	
3.2	3.3 – 3.4	1.0 – 4.0	9.0	7.2	0.85	2.1	1510	1717	421 021
		1.0 – 9.0	13.0	7.2	0.85	2.1	1510	1717	421 023 ²
4.0	4.1 – 4.2	1.4 – 5.0	11.0	8.1	1.20	2.7	1962	2355	421028
		1.4 – 8.0	14.0	8.1	1.20	2.7	1962	2355	421 032
4.8	4.9 – 5.0	1.0 – 4.0	9.0	9.8	1.45	2.9	4415	3826	421 067
		1.0 – 6.0	11.0	9.8	1.45	2.9	4415	3826	421 068
		1.0 – 9.0	14.0	9.8	1.45	2.9	4415	3826	421 069
		3.0 – 12.0	17.0	9.8	1.45	2.9	4415	3826	421 072
6.4	6.7 – 6.9	1.5 – 7.5	14.5	13.0	3.0	4.2	6867	4120	–

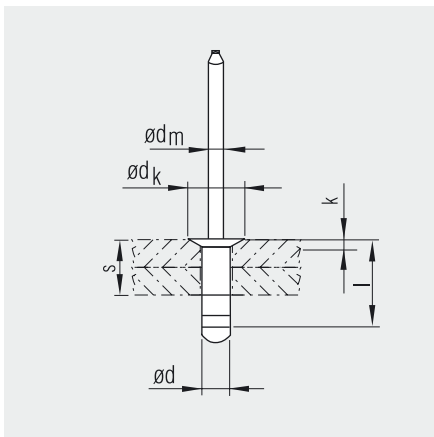
¹ Minimum based on rivet failure

² Long mandrel 50 mm

³ The shear strength is affected by the position of the broken mandrel on the shear plane

- On request:
- Other types
 - Nominal size 4.8 mm with large head 14.0 mm
 - Nominal size 4.8 mm with extra-large head 15.85 mm. e.g. Part No. 423 067
 - Other surface coatings/properties

We reserve the right to amend specifications at any time.



Countersunk head 120°

Material

Sleeve
Steel SAE 1006 or equivalent
zinc, passivate

Mandrel
Steel SAE 1018/1035
zinc, passivate

Nominal size- \varnothing d [mm]	Hole- \varnothing [mm]	Grip range s [mm]	Sleeve length l +0.4 -0.2 [mm]	Head		Mandrel \varnothing d _{m nom} [mm]	Strength ¹ nominal		Part No.
				\varnothing d _k ±0.25 [mm]	Height k ±0.20 [mm]		Shear ² [N]	Tensile [N]	
4.8	4.9 – 5.0	2.5 – 6.0	11.0	8.65	1.3	2.9	4415	3826	421 073
		3.0 – 9.0	14.0	8.65	1.3	2.9	4415	3826	-
		4.0 – 12.0	17.0	8.65	1.3	2.9	4415	3826	-
		9.0 – 17.0	22.0	8.65	1.3	2.9	4415	3826	421 071

¹ Minimum based on rivet failure

² The shear strength is affected by the position of the broken mandrel on the shear plane

On request:

- Other types
- Other surface coatings/properties

We reserve the right to amend specifications at any time.

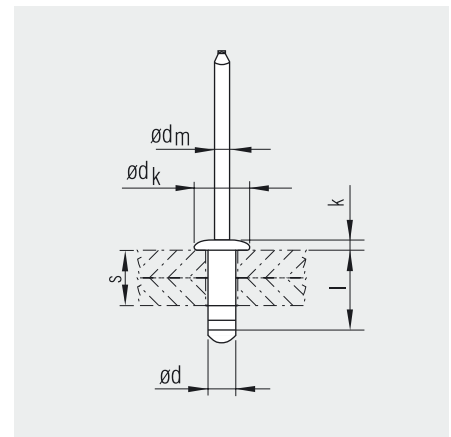
TIFAS® multigrip blind rivets

Dome head

Material

Sleeve
Aluminium AlMg 2/2.5

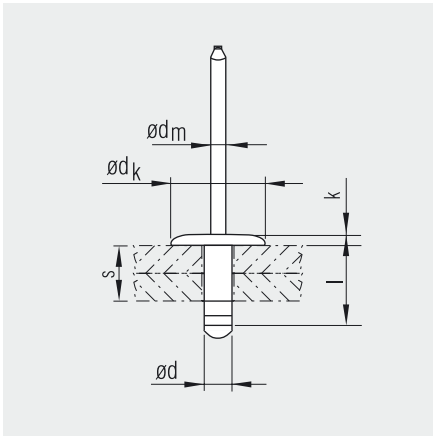
Mandrel
Steel zinc



Nominal size- ϕ d [mm]	Hole- ϕ [mm]	Grip range s [mm]	Sleeve length $l_{+0.4-0.2}$ [mm]	Head		Mandrel ϕ $d_{m\ nom}$ [mm]	Strength ¹ nominal		Part No.												
				ϕ $d_k \pm 0.25$ [mm]	Height $k \pm 0.1$ [mm]		Shear [N]	Tensile [N]													
3.2	3.3 – 3.4	0.8 – 4.8	8.0	6.4	0.95	1.8	700	1000	421 121												
		4.0 – 8.0	11.0	6.4	0.95					1.8	700	1000	421 122								
4.0	4.1 – 4.2	1.3 – 3.8	7.0	7.9	1.20	2.2	1100	1700	421 134												
		1.2 – 6.5	10.0	7.9	1.20					2.2	1100	1700	421 130								
		4.0 – 9.5	12.7	7.9	1.20									2.2	1100	1700	421 132				
		8.0 – 13.5	17.0	7.9	1.20													2.2	1100	1700	421 129
4.8	4.9 – 5.0	1.6 – 6.4	10.3	9.8	1.45	2.8	1500	2300	421 141												
		4.8 – 11.1	15.0	9.8	1.45					2.8	1500	2300	429 127								
		7.5 – 12.0	16.9	9.8	1.45									2.8	1500	2300	421 143				
		9.0 – 15.0	19.5	9.8	1.45													2.8	1500	2300	421 149
		12.7 – 19.8	24.8	9.8	1.45																

¹ Minimum based on rivet failure

We reserve the right to amend specifications at any time.



Large dome head

Material

■ **Sleeve**
Aluminium AlMg 2/2.5

■ **Mandrel**
Steel zinc

Blind rivets

Nominal size- \varnothing d [mm]	Hole- \varnothing [mm]	Grip range s [mm]	Sleeve length l +0.4 -0.2 [mm]	Head		Mandrel \varnothing d _{m nom} [mm]	Strength ¹ nominal		Part No.
				\varnothing d _k ±0.3 [mm]	Height k ±0.15 [mm]		Shear [N]	Tensile [N]	
4.0	4.1 – 4.2	3.2 – 7.9	11.1	11.0	1.5	2.2	1100	1700	423 132
4.8	4.9 – 5.1	1.6 – 6.4	10.0	16.0	1.8	2.8	1500	2300	423 150
		6.4 – 12.7	16.0	16.0	1.8	2.8	1500	2300	423 152
		12.0 – 20.0	24.8	16.0	1.8	2.8	1500	2300	423 154

¹ Minimum based on rivet failure

Nominal size 4.0 mm with stainless steel mandrel e.g. Part No. 423 232 on request.

We reserve the right to amend specifications at any time.

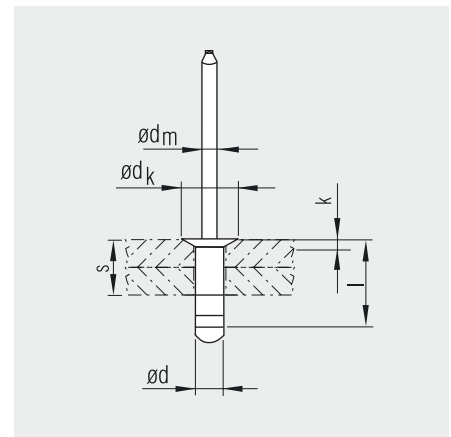
TIFAS® multigrip blind rivets

Countersunk head 120°

Material

Sleeve
Aluminium AlMg 2/2.5

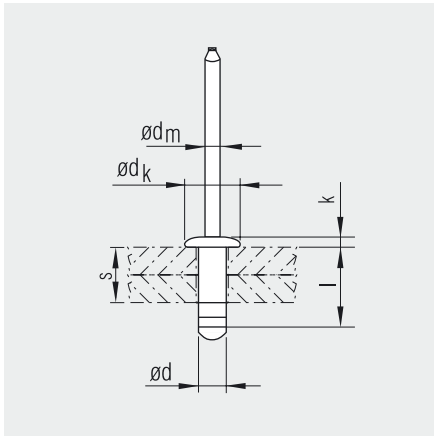
Mandrel
Steel zinc



Nominal size- \varnothing d [mm]	Hole- \varnothing [mm]	Grip range s [mm]	Sleeve length l +0.4 -0.2 [mm]	Head		Mandrel \varnothing d _{m nom} [mm]	Strength ¹ nominal		Part No.
				\varnothing d _k ±0.15 [mm]	Height k ±0.1 [mm]		Shear [N]	Tensile [N]	
4.8	4.9 – 5.0	3.2 – 7.9	12.1	8.8	1.35	2.8	1500	2300	422 140
		6.4 – 12.7	16.9	8.8	1.35	2.8	1500	2300	422 142

¹ Minimum based on rivet failure

We reserve the right to amend specifications at any time.



Dome head

Material

■ **Sleeve**
Aluminium AIMg 2/2.5

■ **Mandrel**
Stainless steel AISI 434
1.4113

Blind rivets

Nominal size- \varnothing d [mm]	Hole- \varnothing [mm]	Grip range s [mm]	Sleeve length $l_{+0.4-0.2}$ [mm]	Head		Mandrel \varnothing $d_{m\ nom}$ [mm]	Strength ¹ nominal		Part No.
				\varnothing $d_k \pm 0.25$ [mm]	Height k ± 0.1 [mm]		Shear [N]	Tensile [N]	
3.2	3.3 – 3.4	0.8 – 4.8	8.0	6.4	0.95	1.8	700	1000	421 221
4.0	4.1 – 4.2	1.3 – 6.3	9.5	7.9	1.20	2.2	1100	1700	421 230
		4.5 – 8.5	12.7	7.9	1.20	2.2	1100	1700	421 232
		6.4 – 13.0	16.9	7.9	1.20	2.2	1100	1700	421 233
4.8	4.9 – 5.0	1.6 – 6.3	10.3	9.8	1.45	2.8	1500	2300	421 243
		4.8 – 11.1	15.1	9.8	1.45	2.8	1500	2300	421 244

¹ Minimum based on rivet failure

We reserve the right to amend specifications at any time.

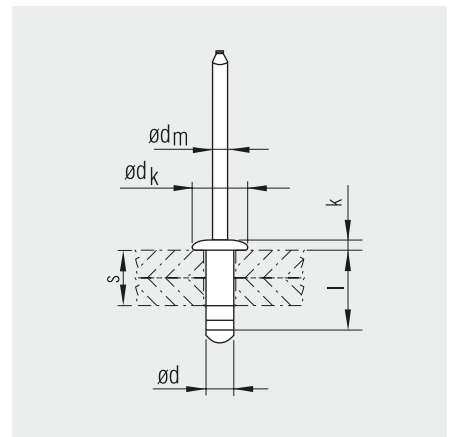
TIFAS® multigrip blind rivets

Dome head

Material

Sleeve
Stainless steel AISI 304

Mandrel
Stainless steel AISI 434



Nominal size- \varnothing d [mm]	Hole- \varnothing [mm]	Grip range s [mm]	Sleeve length l +0.4 -0.2 [mm]	Head		Mandrel \varnothing d _{m nom} [mm]	Strength ¹ nominal		Part No.
				\varnothing d _k ±0.25 [mm]	Height k ±0.25 [mm]		Shear [N]	Tensile [N]	
4.8	4.9 – 5.0	1.5 – 6.0	10.3	9.8	1.85	3.4	6475	5003	421 741
		2.5 – 7.5	12.7	9.8	1.85	3.4	6475	5003	421 742

¹ Minimum based on rivet failure

Other types on request.

We reserve the right to amend specifications at any time.