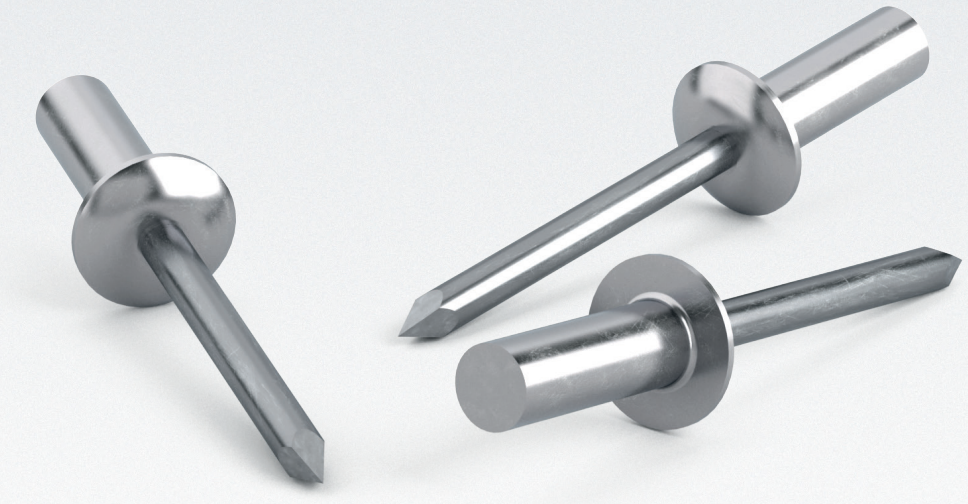
TITGEMEYER

Fastening Technology / Blind Rivets

TIFAS® Closed End Blind Rivets



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

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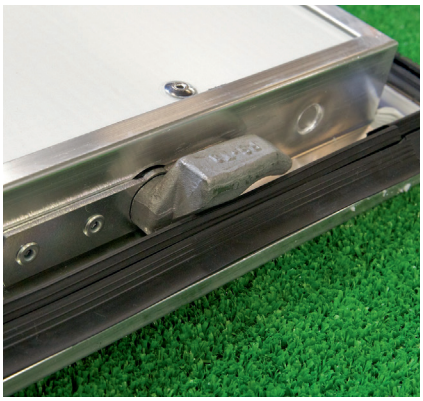
TIFAS® closed end blind rivets

The proven benefits that come with blind rivet technology are becoming recognised and employed by an increasing number of users: for example, in electrical engineering, vehicle construction, medical technology, mechanical engineering, household appliances, energy management, the toy and furniture industries, or even in the automotive and plant engineering sectors. 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® closed end blind rivets have a cup-shaped sleeve that creates a closed and thus airtight, dust-tight and watertight footprint on the blind side. The high shear bearing resistance of TIFAS® closed end blind rivets makes for a very tight fastening. The mandrel remains securely retained in the sleeve. The stainless steel versions offer high corrosion resistance.



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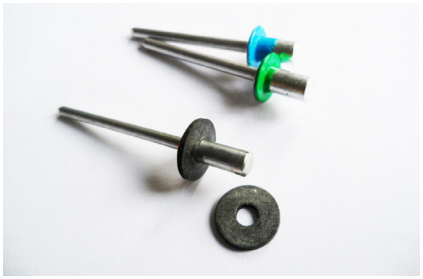


Coloured plastic caps

Plastic caps in an array of RAL colours can be supplied for the TIFAS® closed end blind rivet line.

Airtight, dust-tight and watertight footprint

For suitably prepared holes, TIFAS® closed end blind rivets are exceptionally watertight in the field. For pressure-tight applications or retained media, an additional seal will be required between the rivet body and the bored hole in the component. Loose or mechanically fitted neoprene O-rings as well as TIFAS® closed end blind rivets with pre-applied sealant can be supplied on request.

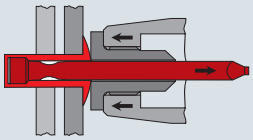
A4 stainless steel TIFAS® closed end blind rivets

In keeping with the trend towards increasingly better-quality materials and finishes, TIFAS® closed end blind rivets are now available in A4 stainless steel. Although this version is especially used in plant and container construction, they are also put to use in marine applications, in shipyards, or in areas of power stations where safety is a major concern.

Benefits at a glance

- Quick and secure installation
- Up to 60% cost savings compared to screws or welding (fewer components and faster installation)
- Permanent fastener guards against unauthorised removal.
- Airtight, dust-tight and watertight footprint on the blind side; suitable for watertight and pressure-tight applications
- Optionally available with added surface coating
- Additional seal under the rivet head available on request
- Universal use
- Captive mandrel
- Heatless installation means component will not warp
- Combines various materials such as metals and plastics
- Eliminates extensive refinishing
- Ideal for lightweight constructions

1.



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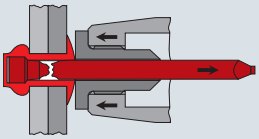

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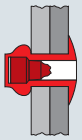

The areas of application and therefore the demand for TIFAS® closed end blind rivets have grown steadily over the past few years. This is due to a parallel rise in the demands that the industry is placing on quality and workmanship.

Sample applications:

- General industry
- Marine applications (onshore & offshore, coupled with TIBULB® and TIBOLT®)
- Power stations (coupled with TIBULB® and TIBOLT®)
- Food industry
- Pharmaceutical industry
- Automotive industry
- Tank and apparatus construction
- Bodywork and vehicle manufacture
- Construction industry

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TIFAS® closed end blind rivets

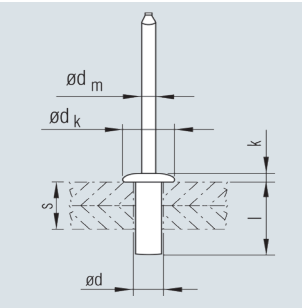
Truss head

Material

Sleeve:
Aluminum AlMg5

Mandrel:
Steel

DIN EN ISO 15973



Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±1,0 -0 [mm]	Blind rivet head ø dk +0,3 -0,6 [mm]	Height k +0,3 -0,5 [mm]	Mandrel ø dm ±0,1 [mm]	Breaking strength Shear min. [N]	Tensile min. [N]	Article No.
3,2	3,3 - 3,4	0,5 - 2,0	6,5	6,4	1,0	1,65	1100	1450	420 629 908
		2,0 - 3,5	8,0	6,4	1,0	1,65	1100	1450	420 630 908
		3,5 - 5,0	9,5	6,4	1,0	1,65	1100	1450	420 631 908
		5,0 - 6,5	11,0	6,4	1,0	1,65	1100	1450	420 632 908
		6,5 - 8,0	12,5	6,4	1,0	1,65	1100	1450	420 633 908
4,0	4,1 - 4,2	0,5 - 3,5	8,0	7,9	1,4	2,20	1600	2200	420 670 908
		3,5 - 5,0	9,5	7,9	1,4	2,20	1600	2200	420 671 908
		5,0 - 6,5	11,0	7,9	1,4	2,20	1600	2200	420 673 908
		6,5 - 8,0	12,5	7,9	1,4	2,20	1600	2200	420 674 908
		8,0 - 10,0	14,5	7,9	1,4	2,20	1600	2200	420 675 908
4,8	4,9 - 5,0	0,5 - 3,0	8,5	9,3	1,7	2,65	2200	3100	420 720 908
		3,5 - 5,0	9,5	9,3	1,7	2,65	2200	3100	420 721 908
		5,0 - 6,5	11,0	9,3	1,7	2,65	2200	3100	420 722 908
		6,5 - 8,0	13,0	9,3	1,7	2,65	2200	3100	420 723 908
		8,0 - 9,5	14,5	9,3	1,7	2,65	2200	3100	420 724 908
		9,5 - 11,0	16,0	9,3	1,7	2,65	2200	3100	420 725 908
		11,0 - 13,0	18,0	9,3	1,7	2,65	2200	3100	420 726 908
		13,0 - 16,0	21,0	9,3	1,7	2,65	2200	3100	420 727 908
6,4	6,5 - 6,6	1,5 - 6,5	12,5	12,5	2,4	3,60	3600	4900	420 761 908
		6,5 - 9,5	15,5	12,5	2,4	3,60	3600	4900	420 762 908

* Strengths at break relate to rivet failure.

Other designs available on request.

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TIFAS® closed end blind rivets

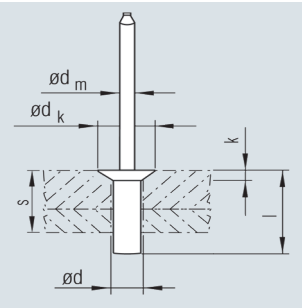
Countersunk 120°

Material

Sleeve:
Aluminum AlMg5

Mandrel:
Steel

DIN EN ISO 15974



Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±1.0 -0 [mm]	Blind rivet head ø dk [mm]	Height k max [mm]	Mandrel ø dm nom. [mm]	Breaking strength Shear min. [N]	Tensile min. [N]	Article No.
3.2	3.3	2.0 - 3.5	8.0	6.2	1.3	1.75	1070	1450	420 639 906
		3.5 - 5.0	9.5	6.2	1.3	1.75	1070	1450	420 640 906
		5.0 - 6.5	11.0	6.2	1.3	1.75	1070	1450	420 641 906
		6.5 - 8.0	12.5	6.2	1.3	1.75	1070	1450	420 642 906
		8.0 - 9.0	13.5	6.2	1.3	1.75	1070	1450	420 643 907
4.0	4.1	3.0 - 4.5	9.5	7.7	1.7	2.15	1600	2200	420 680 906
		4.5 - 6.5	11.0	7.7	1.7	2.15	1600	2200	420 681 906
		6.5 - 8.0	12.5	7.7	1.7	2.15	1600	2200	420 682 906
		8.0 - 10.0	14.5	7.7	1.7	2.15	1600	2200	420 683 907
4.8	4.9	3.5 - 5.0	9.5	9.2	2.0	2.65	2200	3070	420 730 906
		5.0 - 6.5	11.0	9.2	2.0	2.65	2200	3070	420 731 906
		6.5 - 8.0	13.0	9.2	2.0	2.65	2200	3070	420 732 906
		8.0 - 9.5	14.5	9.2	2.0	2.65	2200	3070	420 733 906
		9.5 - 11.0	16.0	9.2	2.0	2.65	2200	3070	420 734 906
		11.0 - 13.0	18.0	9.2	2.0	2.65	2200	3070	420 735 906
		13.0 - 16.0	21.0	9.2	2.0	2.65	2200	3070	420 736 906

* Strengths at break relate to rivet failure.

Other designs available on request.

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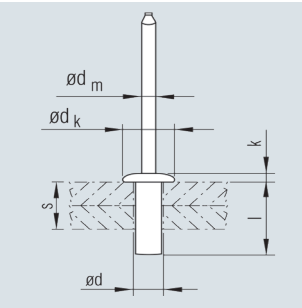
TIFAS® closed end blind rivets

Truss head

Material

Sleeve:
Aluminum AlMg5

Mandrel:
Stainless steel 304



Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±1.0 -0 [mm]	Blind rivet head ø dk +0,3 -0,6 [mm]	Height k +0,3 -0,5 [mm]	Mandrel ø dm ±0,1 [mm]	Breaking strength Shear min. [N]	Tensile min. [N]	Article No.
3,2	3,3 -3,4	0,5 - 2,0	6,5	6,4	1,0	1,65	1100	1450	420 910 908
		2,0 - 3,5	8,0	6,4	1,0	1,65	1100	1450	420 911 908
		3,5 - 5,0	9,5	6,4	1,0	1,65	1100	1450	420 912 908
		6,5 - 8,0	12,5	6,4	1,0	1,65	1100	1450	420 914 908
4,0	4,1 - 4,2	0,5 - 3,5	8,0	7,9	1,4	2,20	1600	2200	420 920 908
		3,5 - 5,0	9,5	7,9	1,4	2,20	1600	2200	420 921 908
		5,0 - 6,5	11,0	7,9	1,4	2,20	1600	2200	420 923 908
		6,5 - 8,0	12,5	7,9	1,4	2,20	1600	2200	420 924 908
4,8	4,9 -5,0	0,5 - 3,5	8,5	9,3	1,7	2,65	2200	3100	420 930 908
		3,5 - 5,0	9,5	9,3	1,7	2,65	2200	3100	420 931 908
		5,0 - 6,5	11,0	9,3	1,7	2,65	2200	3100	420 932 908
		6,5 - 8,0	13,0	9,3	1,7	2,65	2200	3100	420 934 908
		8,0 - 9,5	14,5	9,3	1,7	2,65	2200	3100	420 935 908
		9,5 - 11,0	16,0	9,3	1,7	2,65	2200	3100	420 936 908
		11,0 - 13,0	18,0	9,3	1,7	2,65	2200	3100	420 937 908
		13,0 - 16,0	21,0	9,3	1,7	2,65	2200	3100	420 938 908

* Strengths at break relate to rivet failure.

Other designs available on request.

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TIFAS® closed end blind rivets

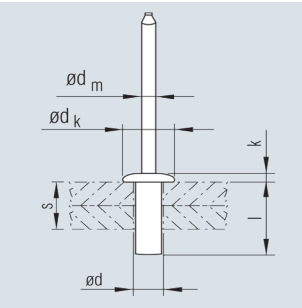
Truss head

Material

Sleeve:
Steel, galvanised passivated

Mandrel:
Steel, galvanised

DIN EN ISO 15976



Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±1.0 -0 [mm]	Blind rivet head ø dk [mm]	Height k max [mm]	Mandrel ø dm max. [mm]	Breaking strength Shear min. [N]	Tensile min. [N]	Article No.
3.2	3.3	0.5 - 1.5	6.0	6.5	1.3	1.9	1150	1300	420 400 907
		1.5 - 3.0	8.0	6.5	1.3	1.9	1150	1300	420 401 907
		3.0 - 5.0	10.0	6.5	1.3	1.9	1150	1300	420 402 907
		5.0 - 6.5	12.0	6.5	1.3	1.9	1150	1300	420 403 907
4.0	4.1	0.5 - 1.5	6.0	8.0	1.7	2.3	1700	1550	420 405 907
		1.5 - 3.0	8.0	8.0	1.7	2.3	1700	1550	420 406 907
		3.0 - 5.0	10.0	8.0	1.7	2.3	1700	1550	420 407 907
		5.0 - 6.5	12.0	8.0	1.7	2.3	1700	1550	420 408 907
		6.5 - 10.5	15.0	8.0	1.7	2.3	1700	1550	420 409 907
4.8	4.9	1.0 - 3.0	8.0	9.5	2.0	2.9	2400	2800	420 410 907
		3.0 - 5.0	10.0	9.5	2.0	2.9	2400	2800	420 411 907
		5.0 - 7.0	12.5	9.5	2.0	2.9	2400	2800	420 412 907
		6.5 - 10.5	15.0	9.5	2.0	2.9	2400	2800	420 413 907
		9.5 - 12.5	18.0	9.5	2.0	2.9	2400	2800	420 414 907
		13.0 - 16.0	21.0	9.5	2.0	2.9	2400	2800	420 415 907
6.4	6.5	3.0 - 6.5	15.0	12.8	2.7	3.8	3600	4000	420 420 907
		6.5 - 8.0	16.0	12.8	2.7	3.8	3600	4000	420 421 907
		8.0 - 12.5	21.0	12.8	2.7	3.8	3600	4000	420 422 907

* Strengths at break relate to rivet failure.

Other designs available on request.

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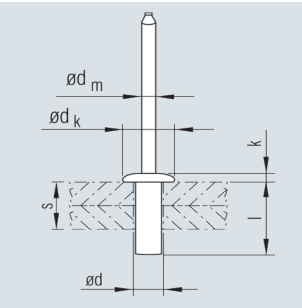
TIFAS® closed end blind rivets

Truss head

Material

Sleeve:
Stainless steel
A2 AISI 304

Mandrel:
Stainless steel
C1 AISI 420



DIN EN ISO 16585

Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±1,0 -0 [mm]	Blind rivet head ø dk [mm]	Height k +0,3 -0,4 [mm]	Mandrel ø dm ±0,1 [mm]	Breaking strength Shear min. [N]	Tensile min. [N]	Article No.
3,2	3,3 -3,4	0,5 - 1,5	6,0	6,5	1,0	1,9	2000	2200	420 940 908
		1,5 - 3,0	8,0	6,5	1,0	1,9	2000	2200	420 941 908
		1,5 - 4,5	9,5	6,5	1,0	1,9	2000	2200	420 942 908
		5,0 - 6,5	12,0	6,5	1,0	1,9	2000	2200	420 943 908
4,0	4,1 - 4,2	1,5 - 3,0	8,0	8,0	1,4	2,30	3000	3500	420 951 908
		3,0 - 5,0	9,5	8,0	1,4	2,30	3000	3500	420 952 908
		5,0 - 6,5	12,0	8,0	1,4	2,30	3000	3500	420 953 908
		6,5 - 8,0	14,0	8,0	1,4	2,30	3000	3500	420 954 908
		8,0 - 11,0	16,0	8,0	1,4	2,30	3000	3500	420 955 908
4,8	4,9 - 5,0	1,0 - 4,0	9,5	9,8	1,7	2,9	4000	4400	420 961 908
		4,0 - 6,0	12,0	9,8	1,7	2,9	4000	4400	420 962 908
		5,0 - 7,0	13,0	9,8	1,7	2,9	4000	4400	420 964 908
		5,0 - 9,0	15,0	9,8	1,7	2,9	4000	4400	420 963 908
		6,0 - 10,0	16,0	9,8	1,7	2,9	4000	4400	420 968 908
		10,0 - 12,0	17,0	9,8	1,7	2,9	4000	4400	420 966 908
		11,0 - 13,0	18,0	9,8	1,7	2,9	4000	4400	420 967 908
6,4	6,5 - 6,6	2,5 - 6,5	12,0	13,2	2,4	3,9	6000	8000	420 970 908
		6,5 - 8,0	16,0	13,2	2,4	3,9	6000	8000	420 971 908

* Strengths at break relate to rivet failure.

Other designs available on request.

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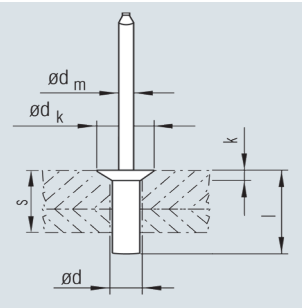
TIFAS® closed end blind rivets

Countersunk 120° with grooved mandrel

Material

Sleeve:
Stainless steel
A2 AISI 304

Mandrel:
Stainless steel
C1 AISI 420



Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±0.5 [mm]	Blind rivet head ø dk ±0.5 [mm]	Height k ±0.2 [mm]	Mandrel ø dm nom. [mm]	Nominal strength at break Shear [N]	Tensile [N]	Article No.
4.8	4.9	4.0 - 6.5	12.0	9.5	2.0	2.9	4000	4400	420 984 907
		5.0 - 8.2	13.5	9.5	2.0	2.9	4000	4400	420 985 907
		8.0 - 11.0	16.6	9.5	2.0	2.9	4000	4400	420 986 907

* Strengths at break relate to rivet failure.

Other designs available on request.

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TIFAS® closed end blind rivets

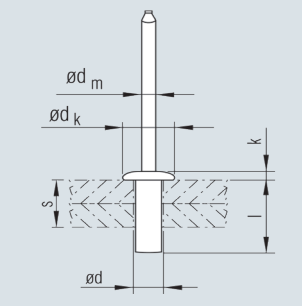
Truss head with grooved mandrel

Material

Blind sleeve:
Stainless steel A4

Mandrel:
Stainless steel A4

Extra-high corrosion resistance



Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±1.0-0.2 [mm]	Blind rivet head ø dk [mm]	Height k max [mm]	Mandrel ø dm max. [mm]	Nominal strength at break Shear [N]	Tensile [N]	Article No.
3.2	3.3	1.0 - 1.5	6.0	6.5	1.3	1.9	2000	2200	420 450 907
		2.0 - 3.0	8.0	6.5	1.3	1.9	2000	2200	420 451 907
		3.0 - 4.5	10.0	6.5	1.3	1.9	2000	2200	420 452 907
		4.5 - 6.5	12.0	6.5	1.3	1.9	2000	2200	420 453 907
		6.5 - 8.5	14.0	6.5	1.3	1.9	2000	2200	420 454 907
4.0	4.1	1.0 - 1.5	6.0	8.0	1.7	2.3	3000	3500	420 455 907
		1.5 - 3.0	8.0	8.0	1.7	2.3	3000	3500	420 456 907
		3.0 - 5.0	10.0	8.0	1.7	2.3	3000	3500	420 457 907
		5.0 - 6.5	12.0	8.0	1.7	2.3	3000	3500	420 458 907
		6.5 - 8.0	14.0	8.0	1.7	2.3	3000	3500	420 459 907
		8.0 - 11.0	16.0	8.0	1.7	2.3	3000	3500	420 460 907
4.8	4.9	1.5 - 3.0	8.0	9.5	2.0	2.9	4000	4400	420 461 907
		3.0 - 5.0	10.0	9.5	2.0	2.9	4000	4400	420 462 907
		5.0 - 6.5	12.0	9.5	2.0	2.9	4000	4400	420 463 907
		6.5 - 8.0	14.0	9.5	2.0	2.9	4000	4400	420 464 907
		8.0 - 9.0	16.0	9.5	2.0	2.9	4000	4400	420 465 907

* Strengths at break relate to rivet failure.

Other designs available on request.

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

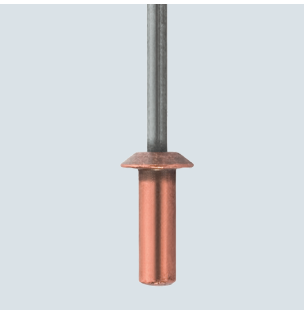
TIFAS® closed end blind rivets

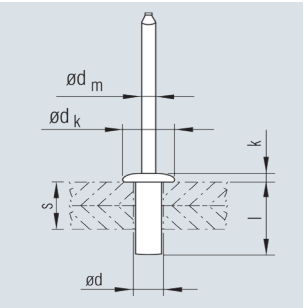
Truss head

Material

Sleeve:
Copper

Mandrel:
Steel





Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±1.0-0.2 [mm]	Blind rivet head ø dk [mm]	Height k max [mm]	Mandrel ø dm max. [mm]	Nominal strength at break Shear [N]	Tensile [N]	Article No.
3.2	3.3	0.5 - 2.0	6.5	6.3	1.3	1.75	850	1300	420 801 906
		2.0 - 3.5	8.0	6.3	1.3	1.75	850	1300	420 802 906
		3.5 - 5.0	9.5	6.3	1.3	1.75	850	1300	420 803 906
		6.5 - 8.0	12.5	6.3	1.3	1.75	850	1300	420 805 906
4.0	4.1	1.5 - 3.0	8.0	7.7	1.7	2.2	1350	2000	420 820 906
		3.0 - 5.0	10.0	7.7	1.7	2.2	1350	2000	420 821 907
		5.0 - 6.5	12.0	7.7	1.7	2.2	1350	2000	420 822 907
		6.5 - 10.0	15.0	7.7	1.7	2.2	1350	2000	420 823 907
4.8	4.9	3.5 - 5.0	9.5	9.2	2.0	2.65	1950	2800	420 840 906
		5.5 - 6.5	11.5	9.2	2.0	2.65	1950	2800	420 842 906

* Strengths at break relate to rivet failure.

Other designs available on request.

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

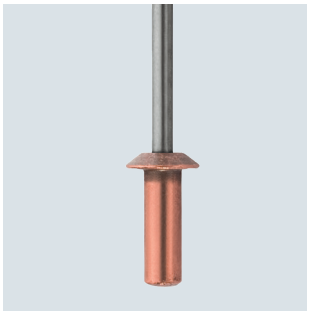
TIFAS® closed end blind rivets

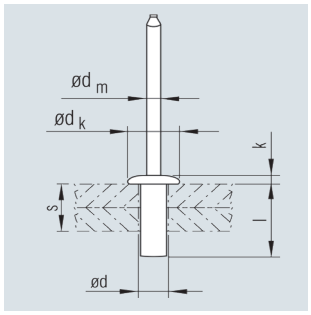
Truss head

Material

Sleeve:
Copper

Mandrel:
Stainless steel





Nominal ø d [mm]	Bore ø [mm]	Grip range s [mm]	Blind sleeve l ±1.0-0.2 [mm]	Blind rivet head ø dk [mm]	Height k max [mm]	Mandrel ø dm max. [mm]	Nominal strength at break Shear [N]	Tensile [N]	Article No.
3.2	3.3	0.5 - 2.0	6.5	6.3	1.3	1.75	850	1300	420 810 906
		2.0 - 3.5	8.0	6.3	1.3	1.75	850	1300	420 811 906
		3.5 - 5.0	9.5	6.3	1.3	1.75	850	1300	420 812 906
		6.5 - 8.0	12.5	6.3	1.3	1.75	850	1300	420 813 906
4.0	4.1	1.5 - 3.0	8.0	7.7	1.7	2.2	1350	2000	420 816 906
		3.0 - 5.0	10.0	7.7	1.7	2.2	1350	2000	420 817 906

* Strengths at break relate to rivet failure.

Other designs available on request.

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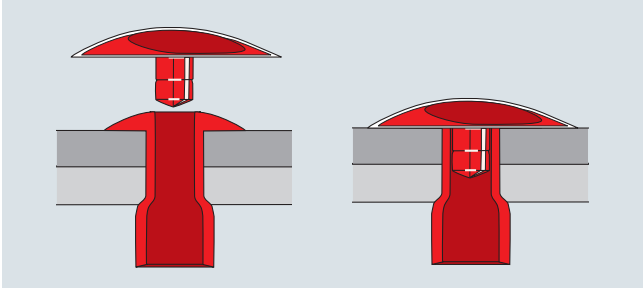
Fillers for TIFAS® blind rivets

For sealing and covering the rivet head side of TIFAS® blind rivets with a standard truss head.

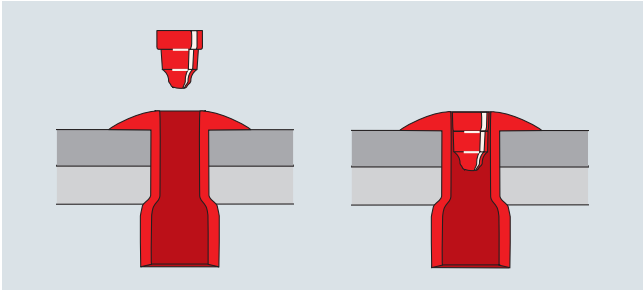
Plastic fillers with cap for TIFAS® blind rivets

ø [mm]	Blind rivets material	Fillers colour	similar to RAL	Filler dim. [mm]	Article No.
3.0 / 3.2	Al alloy	white	9010	8.0 x 2.0 x 1.5	408 360
		black	9011	8.0 x 2.0 x 1.5	408 361
4.8 / 5.0	Steel, stainless steel	white	9010	13.0 x 3.2 x 4.0	408 367
		black	9011	13.0 x 3.2 x 4.0	408 368
		silver	9006	13.0 x 3.2 x 4.0	408 369
	Al alloy	silver	9006	13.0 x 2.6 x 4.0	408 374
		white	9010	13.0 x 2.6 x 4.0	408 380
		black	9011	13.0 x 2.6 x 4.0	408 381



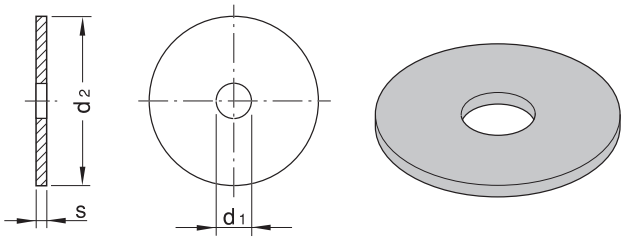
Plastic fillers for TIFAS® blind rivets – standard version

ø [mm]	Blind rivets material	Fillers colour	Article No.
3.0 / 3.2	Al alloy, steel, stainless steel	white	408 333
4.0	Al alloy, steel, stainless steel	white	408 334
4.8 / 5.0	Steel, stainless steel	white	408 335
	Al alloy	grey	408 341
6.4	Steel	white	408 336



Washers

Material	Dimensions d_2 x d_1 x s [mm]	Colour	Article No.
Neoprene	6.5 x 3.8 x 1	black	408 235
	10 x 3.5 x 1	black	408 232
	10 x 3.8 x 1	black	408 230
	11 x 6.0 x 1	black	408 146
Brass	12 x 3.3 x 1	-	408 147
	12 x 4.1 x 1	-	408 114
	12 x 4.9 x 1	-	408 148
Steel	9 x 4.3 x 1	galvanized	408 214
	10 x 3.1 x 1	galvanized	408 213
	12 x 3.1 x 1	galvanized	408 203
	12 x 4.1 x 1	galvanized	408 204
	12 x 5.1 x 1	galvanized	408 205
Stainless steel	12 x 4.7 x 1	-	408 100
	12 x 5.0 x 1	-	408 101



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Tools for setting TIFAS® Blind Rivets

TIOS® 4

Manual tool for installing 2.4 mm to 4.0 mm blind rivets

Benefits at a glance

- Sturdy aluminium/steel design
- Steel insert for nose pieces
- Handle and interior parts made of high-grade steel
- For installing small quantities of standard blind rivets

Scope of delivery

TIOS 4 manual rivet tool
Nose pieces: 2.4 mm; 3.0 / 3.2 mm; 4.0 mm

Article No. 431 265 000

Battery Blind Rivet Tool TIOS® ER20

Benefits at a glance

- A powerful, fast, and reliable cordless blind rivet installation tool, suitable for the most demanding applications.
- Powerful 2.5Ah Li-Ion battery, for longer operating time between charges. 5Ah battery available as an optional accessory.
- Completely untethered tool, and therefore suitable for both indoor and outdoor applications, large and small.
- Ergonomic and well balanced.
- Reliable and smooth brushless motor.
- LED light to illuminate the work area.

Scope of delivery

Riveting tool TIOS® ER20
Nose pieces: 3,2 mm; 4,0 mm; 4,8 / 6,0 mm; 6,4 mm;

Article No. 350 200 000

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Pneumatic-hydraulic riveting tool RL20-2

Benefits at a glance

- High speed processing cycle
- Riveting cycle faster than 1 second
- Economical air consumption due to separate trigger
- Simple handling
- Easy to maintain
- Low weight
- Balanced pressure point at the trigger
- Center of gravity of the tool is in the middle of the tool
- Ergonomic handle
- Air connection at the Back of the tool
- Suspension device for balancer
- Tool-free removal of the pulling unit
- Pressure reducing valve fitted into the air connection of the tool
- Rivet mandrel container with quick release

Scope of delivery

RL20-2 rivet installation tool
Nose pieces: 2.4 mm; 3.0 / 3.2 mm; 4.0 mm; 4.8 / 5.0 mm

Article No. 431 450 700

Pneumatic-hydraulic riveting tool RL60-2

Benefits at a glance

- High speed processing cycle
- Riveting cycle approx. 1 second
- Economical air consumption due to separate trigger
- Simple handling
- Easy to maintain
- Low weight
- Balanced pressure point at the trigger
- Center of gravity of the tool is in the middle of the tool
- Ergonomic handle
- Air connection at the back of the tool
- Suspension device for balancer
- Tool-free removal of the pulling unit
- Rivet mandrel container with quick release

Scope of delivery

Riveting tool RL60-2
Nose pieces: 4,0 mm; 4,8 / 5,0 mm; 6,0 mm; 6,4 mm;

Article No. 431 500 750

Other tool options

Model	Technology	Scope of work rivet-Ø [mm]	Article No.
Q-Tool R64XL	Battery	2,4 - 6,4	329 056 000
POP PB2500	Battery	3,0 - 5,0	329 500 002
ProSet XT 2	Pneumatic-hydraulic	3,0 - 5,0	347 200 000

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Notes

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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 12 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.

Headquarters

Titgemeyer GmbH & Co. KG
Hannoversche Straße 97
49084 Osnabrück / DE

PO Box 4320
49033 Osnabrück / DE

T +49 541 5822-0
E info@titgemeyer.com
W titgemeyer.com

Sales locations

Titgemeyer Austria GmbH
Brunner Straße 77 – 79
1230 Wien / AT

T +43 1 667 9040-0
E vertrieb-tat@titgemeyer.com
W titgemeyer.at

Titgemeyer CZ spol. s r. o.
U Vodárny 1506
397 01 Pisek / CZ

T +420 732 598 375
E obchod@titgemeyer.com
W titgemeyercz.cz

Titgemeyer Polska sp. z o.o.
Cypriana Bazylika 17
98-200 Sieradz / PL

T +48 438 282 015
E sales-pl@titgemeyer.com
W titgemeyer.pl

Titgemeyer Skandinavien A/S
Lunikvej 32
2670 Greve / DK

T +45 4360 0966
E info@titgemeyer.dk
W titgemeyer.dk

Titgemeyer Sverige
Box 3218
550 03 Jönköping / SE

T +46 (0) 3612 8350
E info@titgemeyer.se
W titgemeyer.se

Titgemeyer Finland
Hatanpään valtatie 24
33100 Tampere / FI

T +358 (0) 400 448 401
E info@titgemeyer.fi
W titgemeyer.fi

Titgemeyer (UK) Limited
A2 Link One Industrial Park
George Henry Road
DY4 7BU Tipton / UK

T +44 121 557 9777
E tuk-sales@titgemeyer.com
W titgemeyer.co.uk

Titgemeyer France
Titgemeyer GmbH & Co. KG
Hannoversche Straße 97
49084 Osnabrück / DE

T +33 7 6052 8753
E marc.gaussin@titgemeyer.com
W titgemeyer.fr

Production sites

Cirteq Limited (Glusburn)
'Hayfield' Colne Road,
Glusburn, Keighley,
West Yorkshire, BD20 8QP / GB

T +44 1535 633 333
E sales@cirteq.com
W cirteq.com

Cirteq Limited (Tipton)
A2 Link One Industrial Park
George Henry Road
DY4 7BU Tipton / GB

T +44 1535 633 333
E sales@cirteq.com
W cirteq.com

Titgemeyer Tools & Automation spol s.r.o.
U Vodárny 1506
397 01 Písek / CZ

T +420 732 657 298
E tta-sales@titgemeyer.com
W titgemeyer.com/en/tools-automation/