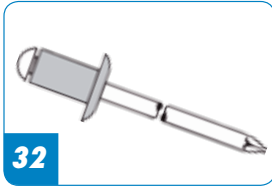


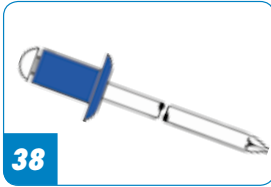
# Overview of the **GESIPA®** blind rivet product range



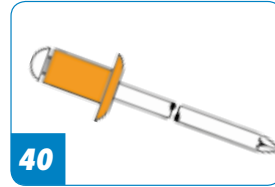
**32**



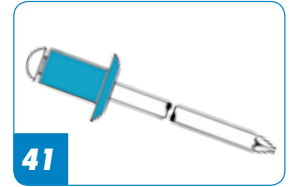
Alu



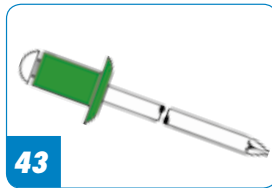
Steel



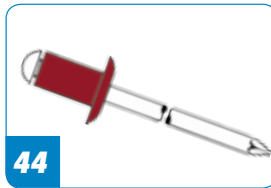
Copper



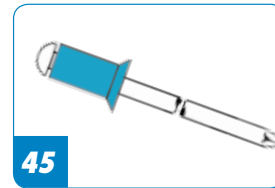
A2 stainless steel



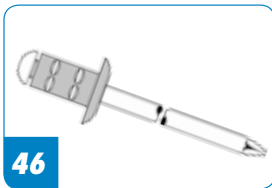
A4 stainless steel



Monel®



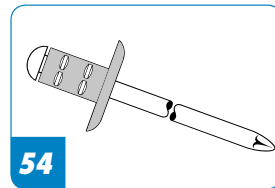
Stinox



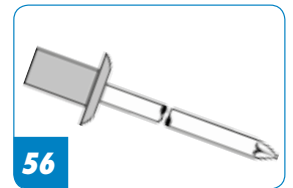
PolyGrip®



Coloured PolyGrip®



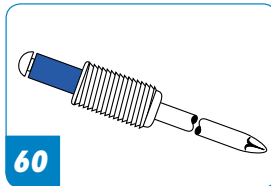
SolarGrip®



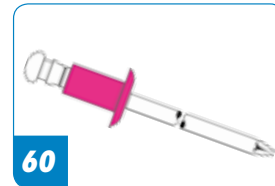
CAP®



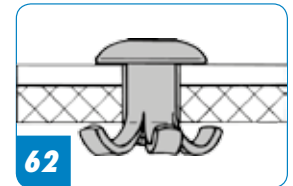
Grooved



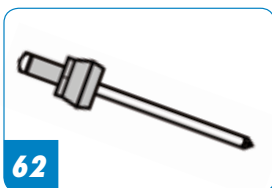
Threaded



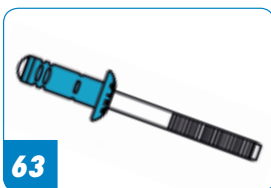
Plastic



Peel



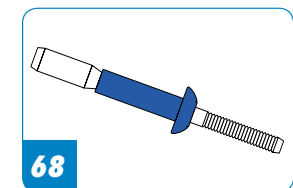
Profile clinching



G-Bulb



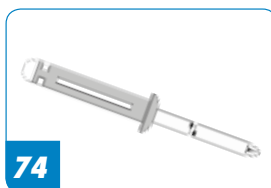
PolyBulb®



MEGA GRIP®



BULB-TITE®



TRI-FOLD®



Solid Riveting

# Blind rivets – field of application



## Standard

The right materials and size for every application



## PolyGrip®

Large grip range can replace up to five different sizes of standard DIN blind rivets



## CAP® blind rivet

Cup-type blind rivet for air- and watertight connections



## Grooved blind rivet

For riveting blind holes, e.g. in wood or soft materials



## Plastic blind rivet

Non-corroding, electrically non-conductive, no damage to painted surfaces



## G-Bulb MEGA GRIP®

High-strength fastener



## PolyBulb®

Large grip range, for soft materials



## TRI-FOLD® folding type blind rivet Peel blind rivet

For soft materials



## BULB-TITE®

Weatherproof multi-function valve folding-type blind rivet



# Blind rivets alu/steel

## Standard (Dome head)

Rivet body: Aluminium alloy

Mandrel: Steel, zinc-plated



	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>2.4</b> Hole-Ø: 2.5 mm	<b>2.4 x 4</b>	0.5 - 2.0	145 4019	A 1,000
	<b>2.4 x 6</b>	2.0 - 4.0	143 3464	A 1,000
	<b>2.4 x 8</b>	4.0 - 6.0	145 4020	A 1,000
<b>3</b> Hole-Ø: 3.1 mm	<b>3 x 4</b>	0.5 - 1.5	143 3466	A 500
	<b>3 x 5</b>	1.5 - 2.5	143 3467	A 500
	<b>3 x 6</b>	2.5 - 3.5	143 3468	A 500
	<b>3 x 7</b>	3.5 - 4.5	143 3469	A 500
	<b>3 x 8</b>	4.5 - 5.0	143 3470	A 500
	<b>3 x 10</b>	5.0 - 7.0	143 3471	A 500
	<b>3 x 12</b>	7.0 - 9.0	143 3472	A 500
	<b>3 x 14</b>	9.0 - 11.0	145 4022	A 500
	<b>3 x 16</b>	11.0 - 13.0	145 4023	A 500
	<b>3 x 18</b>	13.0 - 15.0	145 4024	A 250
	<b>3 x 20</b>	15.0 - 17.0	145 4025	A 250
	<b>3 x 25</b>	17.0 - 22.0	143 3473	A 250
	<b>3 x 30</b>	22.0 - 26.0	145 4026	A 250
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 4</b>	0.5 - 1.5	143 3475	A 500
	<b>3.2 x 6</b>	1.5 - 3.5	143 3476	A 500
	<b>3.2 x 8</b>	3.5 - 5.0	143 3477	A 500
	<b>3.2 x 10</b>	5.0 - 7.0	143 3478	A 500
	<b>3.2 x 12</b>	7.0 - 9.0	143 3479	A 500
	<b>3.2 x 14</b>	9.0 - 11.0	143 3465	A 500
	<b>3.2 x 16</b>	11.0 - 13.0	143 3480	B 500
	<b>3.2 x 18</b>	13.0 - 15.0	143 3483	B 500
	<b>3.2 x 20</b>	15.0 - 17.0	143 3481	B 500
	<b>3.2 x 25</b>	17.0 - 22.0	143 3482	B 500
<b>4</b> Hole-Ø: 4.1 mm	<b>4 x 5</b>	0.5 - 1.5	143 3484	A 500
	<b>4 x 6</b>	1.5 - 3.0	143 3485	A 500
	<b>4 x 7</b>	3.0 - 4.0	145 4028	A 500
	<b>4 x 8</b>	4.0 - 5.0	143 3486	A 500
	<b>4 x 10</b>	5.0 - 6.5	143 3487	A 500
	<b>4 x 12</b>	6.5 - 8.5	143 3488	B 500
	<b>4 x 14</b>	8.5 - 10.5	145 4029	B 500
	<b>4 x 16</b>	10.5 - 12.5	145 4030	B 500
	<b>4 x 18</b>	12.5 - 14.5	145 4031	B 500
	<b>4 x 20</b>	14.5 - 16.5	145 4032	B 500
	<b>4 x 25</b>	16.5 - 21.5	145 4033	B 500
	<b>4 x 30</b>	21.5 - 26.0	145 4034	B 250
	<b>4 x 35</b>	26.0 - 30.0	145 4035	B 250
<b>4 x 40</b>	30.0 - 35.0	145 4036	B 250	

	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 mm	<b>4.8 x 6</b>	2.0 - 2.5	143 3493	B 500
	<b>4.8 x 8</b>	2.5 - 4.5	143 3494	B 500
	<b>4.8 x 10</b>	4.5 - 6.0	143 3495	B 500
	<b>4.8 x 12</b>	6.0 - 8.0	143 3496	B 500
	<b>4.8 x 14</b>	8.0 - 10.0	145 4043	B 500
	<b>4.8 x 16</b>	10.0 - 12.0	143 3497	B 500
	<b>4.8 x 18</b>	12.0 - 14.0	145 4044	B 500
	<b>4.8 x 20</b>	14.0 - 15.0	145 4045	B 250
	<b>4.8 x 25</b>	15.0 - 20.0	143 3498	B 250
	<b>4.8 x 30</b>	20.0 - 25.0	143 3499	A 100
<b>5</b> Hole-Ø: 5.1 mm  CE	<b>5 x 6</b>	2.0 - 2.5	143 3500	B 500
	<b>5 x 8</b>	2.5 - 4.5	143 3501	B 500
	<b>5 x 10</b>	4.5 - 6.0	143 3502	B 500
	<b>5 x 12</b>	6.0 - 8.0	143 3503	B 500
	<b>5 x 14</b>	8.0 - 10.0	145 4048	B 500
	<b>5 x 16</b>	10.0 - 12.0	143 3504	B 500
	<b>5 x 18</b>	12.0 - 14.0	145 4049	B 500
	<b>5 x 20</b>	14.0 - 15.0	145 4050	B 250
	<b>5 x 25</b>	15.0 - 20.0	143 3505	B 250
	<b>5 x 30</b>	20.0 - 25.0	145 4051	A 100
	<b>5 x 35</b>	25.0 - 30.0	145 4052	A 100
	<b>5 x 40</b>	30.0 - 35.0	145 4053	A 100
	<b>5 x 45</b>	35.0 - 40.0	145 4054	B 100
	<b>5 x 50</b>	40.0 - 45.0	145 4055	B 100
	<b>5 x 55</b>	45.0 - 48.0	145 4056	B 100
	<b>5 x 60</b>	48.0 - 52.0	145 4057	B 100
	<b>5 x 65</b>	52.0 - 57.0	145 4058	B 100
	<b>5 x 70</b>	57.0 - 62.0	145 4059	B 100
	<b>5 x 80</b>	62.0 - 72.0	143 3506	B 100
	<b>6</b> Hole-Ø: 6.1 mm	<b>6 x 8</b>	2.0 - 3.0	145 4060
<b>6 x 10</b>		3.0 - 5.0	145 4061	B 250
<b>6 x 12</b>		5.0 - 7.0	145 4062	B 250
<b>6 x 16</b>		7.0 - 11.0	143 3507	B 250
<b>6 x 18</b>		11.0 - 13.0	145 4064	B 250
<b>6 x 20</b>		13.0 - 15.0	145 4065	B 250
<b>6 x 25</b>		15.0 - 20.0	145 4066	B 200
<b>6 x 30</b>		20.0 - 24.0	145 4067	B 200
<b>6 x 35</b>		24.0 - 29.0	145 4068	B 100
<b>6 x 40</b>		29.0 - 34.0	145 4069	B 100
<b>6 x 50</b>	34.0 - 44.0	143 3508	B 100	

# Blind rivets alu/steel

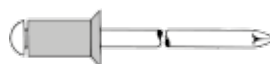
	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>6.4</b> Hole-Ø: 6.5 mm	<b>6.4 x 12</b>	2.0 - 6.0	145 4070	B 250
	<b>6.4 x 14</b>	6.0 - 8.0	145 4071*	"
	<b>6.4 x 16</b>	6.0 - 10.0	145 4072	"
	<b>6.4 x 18</b>	10.0 - 12.0	145 4076*	"
	<b>6.4 x 20</b>	10.0 - 14.0	145 4073	B 200
	<b>6.4 x 25</b>	14.0 - 18.0	145 4074	"
	<b>6.4 x 30</b>	18.0 - 23.0	145 4075	B 100

Chart shear and tensile strength alu/steel standard

Rivet Ø mm	Shear strength N (kp)		Tensile strength N (kp)		Mandrel Ø mm	Max. head Ø mm
<b>2.4</b>	<b>315</b>	(32)	<b>370</b>	(38)	1.4	5.0
<b>3</b>	<b>700</b>	(71)	<b>900</b>	(92)	1.8	6.5
<b>3.2</b>	<b>720</b>	(73)	<b>950</b>	(97)	1.95	6.5
<b>4 x 5-25</b>	<b>1,400</b>	(143)	<b>2,000</b>	(204)	2.1	8.0
<b>4 x 30-40 ■</b>	<b>850</b>	(87)	<b>1,000</b>	(102)	2.1	8.0
<b>4.8</b>	<b>1,800</b>	(184)	<b>2,700</b>	(275)	2.7	9.5
<b>5 x 6 - 35</b>	<b>2,000</b>	(204)	<b>2,800</b>	(285)	2.7	9.5
<b>5 x 40 - 80 ■</b>	<b>1,400</b>	(143)	<b>2,000</b>	(204)	2.7	9.5
<b>6</b>	<b>3,100</b>	(316)	<b>3,800</b>	(388)	3.2	12.0
<b>6.4</b>	<b>3,400</b>	(347)	<b>4,600</b>	(469)	3.65	13.0

■ Rivet body: AlMgSi Test procedure according to DIN EN ISO 14589

## Countersunk (120°)



Rivet body: Aluminium alloy  
Mandrel: Steel, zinc-plated

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3</b> Hole-Ø: 3.1 mm	<b>3 x 6</b>	1.5 - 3.5	145 4078	"
	<b>3 x 8</b>	3.5 - 5.0	143 3509	"
	<b>3 x 10</b>	5.0 - 7.0	143 3510	"
	<b>3 x 12</b>	7.0 - 9.0	145 4079	"
	<b>3 x 14</b>	9.0 - 10.5	144 6367	"
	<b>3 x 16</b>	9.0 - 13.0	145 4080	"
	<b>4</b> Hole-Ø: 4.1 mm	<b>4 x 6</b>	1.5 - 3.0	145 4081
<b>4 x 8</b>		3.0 - 5.0	143 3512	"
<b>4 x 10</b>		5.0 - 6.5	145 4082	"
<b>4 x 12</b>		6.5 - 8.5	143 3513	B 500
<b>4 x 14</b>		8.5 - 10.5	144 6368*	"
<b>4 x 16</b>		10.5 - 12.5	143 3514	"
<b>4 x 18</b>		12.5 - 14.5	143 3511*	"
<b>4 x 20</b>		14.5 - 16.5	145 4083	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>5</b> Hole-Ø: 5.1 mm	<b>5 x 8</b>	2.0 - 4.5	143 3515	B 500
	<b>5 x 10</b>	4.5 - 6.0	143 3516	"
	<b>5 x 12</b>	6.0 - 8.0	145 4085	"
	<b>5 x 16</b>	8.0 - 12.0	145 4086	"
	<b>5 x 18</b>	12.0 - 14.0	145 4084	"
	<b>5 x 20</b>	14.0 - 15.0	145 4087	B 250
	<b>5 x 25</b>	15.0 - 20.0	143 3517	"
	<b>5 x 30</b>	20.0 - 25.0	145 4088	A 100
	<b>5 x 35</b>	25.0 - 30.0	145 4089	"

The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 34.

\*Clearance – only while stocks last!

# Blind rivets alu/steel

## Large flange

Rivet body: Aluminium alloy  
Mandrel: Steel, zinc-plated



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2 - K 9.5</b> Hole-Ø: 3.3 mm	<b>3.2 x 6</b>	1.5 - 3.5	145 4090*	A 500
	<b>3.2 x 8</b>	3.5 - 5.0	145 4091	"
	<b>3.2 x 10</b>	5.0 - 7.0	145 4092	"
	<b>3.2 x 12</b>	7.0 - 9.0	145 4093	"
	<b>3.2 x 16</b>	9.0 - 13.0	145 4094	B 500
<b>4 - K 12</b> Hole-Ø: 4.1 mm	<b>4 x 6</b>	1.5 - 3.0	145 4095	B 500
	<b>4 x 8</b>	3.0 - 5.0	143 3518	"
	<b>4 x 10</b>	5.0 - 6.5	145 4096	"
	<b>4 x 12</b>	6.5 - 8.5	145 4097	"
	<b>4 x 16</b>	8.5 - 12.5	145 4098	"
<b>4.8 - K 16</b> Hole-Ø: 4.9 mm	<b>4.8 x 8</b>	2.5 - 4.5	145 4106	B 250
	<b>4.8 x 10</b>	4.5 - 6.0	145 4107	"
	<b>4.8 x 12</b>	6.0 - 8.0	143 3519	"
	<b>4.8 x 16</b>	8.0 - 12.0	145 4109	"
	<b>4.8 x 20</b>	12.0 - 15.0	145 4111	"
	<b>4.8 x 25</b>	15.0 - 20.0	143 3520	"

\*Clearance – only while stocks last!

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>5 - K 11</b> Hole-Ø: 5.1 mm  CE	<b>5 x 8</b>	2.5 - 4.5	143 3521	B 500
	<b>5 x 10</b>	4.5 - 6.0	145 4116	"
	<b>5 x 12</b>	6.0 - 8.0	143 3522	"
	<b>5 x 14</b>	8.0 - 10.0	145 4115	"
	<b>5 x 16</b>	10.0 - 12.0	145 4117	"
	<b>5 x 18</b>	12.0 - 14.0	145 4113	B 250
	<b>5 x 20</b>	14.0 - 15.0	145 4118	"
	<b>5 x 25</b>	15.0 - 20.0	145 4119	"
	<b>5 x 30</b>	20.0 - 25.0	145 4120	B 100
	<b>5 - K 14</b> Hole-Ø: 5.1 mm  CE	<b>5 x 8</b>	2.5 - 4.5	143 3523
<b>5 x 10</b>		4.5 - 6.0	145 4121	"
<b>5 x 12</b>		6.0 - 8.0	143 3524	"
<b>5 x 14</b>		8.0 - 10.0	145 4122	"
<b>5 x 16</b>		10.0 - 12.0	145 4123	"
<b>5 x 18</b>		12.0 - 14.0	145 4124	"
<b>5 x 20</b>		14.0 - 15.0	145 4125	"
<b>5 x 25</b>		15.0 - 20.0	145 4126	"
<b>5 x 30</b>		20.0 - 25.0	145 4127	B 100

### Chart shear and tensile strength Alu/Steel counter sunk and large flange

Rivet Ø mm	Shear strength		Tensile strength		Mandrel Ø mm	Max. head Ø Alu / Steel mm
	N	(kp)	N	(kp)		
<b>3</b>	<b>700</b>	(71)	<b>900</b>	(91)	1.8	6.0
<b>4</b>	<b>1,400</b>	(143)	<b>2,000</b>	(204)	2.1	7.5
<b>5</b>	<b>2,000</b>	(204)	<b>2,800</b>	(285)	2.7	9.0
<b>3.2 K 9,5</b> only Al/Steel	<b>720</b>	(73)	<b>950</b>	(97)	1.95	9.5
<b>4 K 12</b> only Al/Steel	<b>1,400</b>	(143)	<b>2,000</b>	(204)	2.1	12.0
<b>4.8 K 16</b> only Al/Steel	<b>1,800</b>	(184)	<b>2,700</b>	(275)	2.7	16.0
<b>5 K 11</b>	<b>2,000</b>	(204)	<b>2,800</b>	(285)	2.7	11.0
<b>5 K 14</b>	<b>2,000</b>	(204)	<b>2,800</b>	(285)	2.7	14.0

Test procedure according to DIN EN ISO 14589

# Blind rivets alu/stainless

## Standard (Dome head)

Rivet body: Aluminium alloy  
Mandrel: Stainless steel A2



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3</b> Hole-Ø: 3.1 mm	<b>3 x 4</b>	0.5 - 1.5	145 5036	A 500
	<b>3 x 6</b>	1.5 - 3.5	143 3581	"
	<b>3 x 8</b>	3.5 - 5.0	143 3582	"
	<b>3 x 10</b>	5.0 - 7.0	145 5037	"
	<b>3 x 12</b>	7.0 - 9.0	145 5038	"
	<b>3 x 16</b>	9.0 - 13.0	145 5039	"
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 4</b>	0.5 - 1.5	145 5048*	A 500
	<b>3.2 x 6</b>	1.5 - 3.5	145 5049	"
	<b>3.2 x 8</b>	3.5 - 5.0	145 5044	"
	<b>3.2 x 10</b>	5.0 - 7.0	145 5045	"
	<b>3.2 x 12</b>	7.0 - 9.0	145 5046	"
	<b>3.2 x 14</b>	9.0 - 11.0	144 6433	"
	<b>3.2 x 16</b>	11.0 - 13.0	145 5050	B 500
	<b>3.2 x 18</b>	13.0 - 15.0	145 5051*	"
	<b>3.2 x 20</b>	15.0 - 17.0	144 6434*	"
<b>3.2 x 25</b>	17.0 - 22.0	145 5052*	"	
<b>4</b> Hole-Ø: 4.1 mm  CE	<b>4 x 6</b>	1.5 - 3.0	143 3589	A 500
	<b>4 x 8</b>	3.0 - 5.0	143 3590	"
	<b>4 x 10</b>	5.0 - 6.5	143 3591	"
	<b>4 x 12</b>	6.5 - 8.5	143 3592	B 500
	<b>4 x 14</b>	8.5 - 10.5	143 3588	"
	<b>4 x 16</b>	10.5 - 12.5	143 3594	"
	<b>4 x 18</b>	12.5 - 14.5	143 3593	"
	<b>4 x 20</b>	14.5 - 16.5	143 3595	"
	<b>4 x 25</b>	16.5 - 21.5	143 3596	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 mm  CE	<b>4.8 x 6</b>	2.0 - 2.5	143 3583*	B 500
	<b>4.8 x 8</b>	2.5 - 4.5	145 5040	"
	<b>4.8 x 10</b>	4.5 - 6.0	145 5041	"
	<b>4.8 x 12</b>	6.0 - 8.0	145 5042	"
	<b>4.8 x 14</b>	8.0 - 10.0	145 5043	"
	<b>4.8 x 16</b>	10.0 - 12.0	143 3584	"
	<b>4.8 x 18</b>	12.0 - 14.0	143 3585*	"
	<b>4.8 x 20</b>	14.0 - 15.0	143 3586*	B 250
<b>5</b> Hole-Ø: 5.1 mm  CE	<b>5 x 8</b>	2.5 - 4.5	143 3597	B 500
	<b>5 x 10</b>	4.5 - 6.0	143 3598	"
	<b>5 x 12</b>	6.0 - 8.0	143 3599	"
	<b>5 x 14</b>	8.0 - 10.0	143 3600	"
	<b>5 x 16</b>	10.0 - 12.0	145 5053	"
	<b>5 x 18</b>	12.0 - 14.0	145 5054	"
	<b>5 x 20</b>	14.0 - 15.0	143 3601	B 250
	<b>5 x 25</b>	15.0 - 20.0	145 5055	"
	<b>5 x 30</b>	20.0 - 25.0	145 5056	A 100
	<b>5 x 35</b>	25.0 - 30.0	145 5057	"
<b>5 x 40</b>	30.0 - 35.0	143 3602	"	

\*Clearance – only while stocks last!

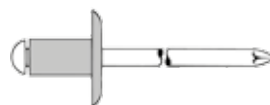
Material surcharge will be added at a daily rate.

The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 36.

# Blind rivets alu/stainless

## Large flange

Rivet body: Aluminium alloy  
Mandrel: Stainless steel A2



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>5 - K 11</b> Hole-Ø: 5.1 mm  CE	<b>5 x 8</b>	2.5 - 4.5	143 3605	B 500
	<b>5 x 10</b>	4.5 - 6.0	143 3606	"
	<b>5 x 12</b>	6.0 - 8.0	143 3607	"
	<b>5 x 14</b>	8.0 - 10.0	143 3603	"
	<b>5 x 16</b>	10.0 - 12.0	143 3608	"
	<b>5 x 18</b>	12.0 - 14.0	143 3604*	B 250
	<b>5 x 20</b>	14.0 - 15.0	143 3609*	"
	<b>5 x 25</b>	15.0 - 20.0	143 3610*	"
	<b>5 x 30</b>	20.0 - 25.0	143 3611*	B 100

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>5 - K 14</b> Hole-Ø: 5.1 mm  CE	<b>5 x 8</b>	2.5 - 4.5	143 3612	B 250
	<b>5 x 10</b>	4.5 - 6.0	143 3613	"
	<b>5 x 12</b>	6.0 - 8.0	143 3614	"
	<b>5 x 14</b>	8.0 - 10.0	143 3619	"
	<b>5 x 16</b>	10.0 - 12.0	143 3615	"
	<b>5 x 18</b>	12.0 - 14.0	143 3620	"
	<b>5 x 20</b>	14.0 - 15.0	143 3616	"
	<b>5 x 25</b>	15.0 - 20.0	143 3617	"
	<b>5 x 30</b>	20.0 - 25.0	143 3618	B 100

\*Clearance – only while stocks last!

Material surcharge will be added at a daily rate.

### Chart shear and tensile strength alu/stainless standard and large flange

Rivet Ø mm	Shear strength		Tensile strength		Mandrel Ø mm	Max. head Ø Alu / Stainless mm
	N	(kp)	N	(kp)		
<b>3</b>	<b>700</b>	(71)	<b>900</b>	(91)	1.8	6.5
<b>3.2</b>	<b>720</b>	(73)	<b>950</b>	(97)	1.95	6.5
<b>4</b>	<b>1,400</b>	(143)	<b>2,000</b>	(204)	2.1	8.0
<b>4.8</b>	<b>1,800</b>	(184)	<b>2,700</b>	(275)	2.7	9.5
<b>5</b>	<b>2,000</b>	(204)	<b>2,800</b>	(285)	2.7	9.5
<b>5 K 11</b>	<b>2,000</b>	(204)	<b>2,800</b>	(285)	2.7	11.0
<b>5 K 14</b>	<b>2,000</b>	(204)	<b>2,800</b>	(285)	2.7	14.0

Test procedure according to DIN EN ISO 14589

# Blind rivets alu/alu

## Standard (Dome head)

Rivet body: Aluminium alloy  
Mandrel: Aluminium alloy

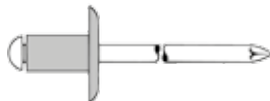


	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 6.1</b>	0.8 - 3.2	143 3751	A 500
	<b>3.2 x 7.6</b>	3.2 - 4.8	143 3752	"
	<b>3.2 x 9.2</b>	4.8 - 6.4	145 5510	"
	<b>3.2 x 12.3</b>	6.4 - 9.5	145 5511*	"
	<b>3.2 x 15.5</b>	9.5 - 12.7	145 5512*	B 500
<b>4</b> Hole-Ø: 4.1 mm	<b>4 x 6.6</b>	1.5 - 3.2	145 5513	B 500
	<b>4 x 9.8</b>	3.2 - 6.4	143 3753	"
	<b>4 x 12.9</b>	6.4 - 9.5	143 3754*	"
	<b>4 x 16.1</b>	9.5 - 12.7	145 5514*	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 mm	<b>4.8 x 7.2</b>	1.5 - 3.2	143 3755*	B 500
	<b>4.8 x 10.3</b>	3.2 - 6.4	143 3756	"
	<b>4.8 x 13.5</b>	6.4 - 9.5	145 5515	"
	<b>4.8 x 16.7</b>	9.5 - 12.7	145 5516*	"
	<b>4.8 x 19.9</b>	12.7 - 15.9	145 5517*	"
	<b>4.8 x 23.0</b>	15.9 - 19.0	145 5518*	B 250
<b>6.4</b> Hole-Ø: 6.5 mm	<b>6.4 x 12.0</b>	1.5 - 6.4	143 3757	B 250
	<b>6.4 x 14.9</b>	6.4 - 9.5	143 3758	"
	<b>6.4 x 18.1</b>	9.5 - 12.7	143 3759	A 100
	<b>6.4 x 24.4</b>	12.7 - 19.0	143 3760	"

## Large flange

Rivet body: Aluminium alloy  
Mandrel: Aluminium alloy



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2 - K 9.5</b> Hole-Ø: 3.3 mm	<b>3.2 x 6.1</b>	0.8 - 3.2	145 5519*	A 500
	<b>3.2 x 9.2</b>	3.2 - 6.4	145 5520*	"
	<b>3.2 x 12.3</b>	6.4 - 9.5	145 5521*	B 500

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8 - K 16</b> Hole-Ø: 4.9 mm	<b>4.8 x 10.3</b>	1.5 - 6.4	145 5522	B 250
	<b>4.8 x 13.5</b>	6.4 - 9.5	145 5523	"
	<b>4.8 x 16.7</b>	9.5 - 12.7	145 5524*	"
	<b>4.8 x 19.9</b>	12.7 - 15.9	145 5525*	"
	<b>4.8 x 23.0</b>	15.9 - 19.0	145 5526*	"

### Chart shear and tensile strength alu/alu standard and large flange

Rivet Ø mm	Shear strength		Tensile strength		Mandrel Ø mm	Max. head Ø mm
	N	(kp)	N	(kp)		
<b>3.2</b>	<b>530</b>	(54)	<b>660</b>	(67)	1.95	6.5
<b>4</b>	<b>840</b>	(85)	<b>1,020</b>	(103)	2.45	8.0
<b>4.8</b>	<b>1,150</b>	(117)	<b>1,420</b>	(144)	2.9	9.5
<b>6.4</b>	<b>2,040</b>	(207)	<b>2,490</b>	(253)	3.85	12.9
<b>3.2 K 9.5</b>	<b>725</b>	(74)	<b>930</b>	(95)	1.95	9.5
<b>4.8 K 16</b>	<b>1,520</b>	(155)	<b>1,960</b>	(200)	2.9	16.0

Test procedure according to DIN EN ISO 14589

\*Clearance – only while stocks last!



# Blind rivets steel/steel

## Standard (Dome head)

Rivet body: Steel, zinc-plated

Mandrel: Steel, zinc-plated



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3</b> Hole-Ø: 3.1 mm	<b>3 x 5</b>	0.5 - 2.0	145 4595	A 500
	<b>3 x 6</b>	2.0 - 3.0	143 3551	"
	<b>3 x 8</b>	3.0 - 5.0	143 3552	"
	<b>3 x 10</b>	5.0 - 6,5	145 4596	"
	<b>3 x 12</b>	6.5 - 8.5	145 4597	"
	<b>3 x 14</b>	9.0 - 11.0	144 6415*	"
	<b>3 x 16</b>	8.5 - 12.5	145 4598	B 500
	<b>3 x 18</b>	12.5 - 14.5	145 4599*	"
	<b>3 x 20</b>	14.5 - 16.5	145 4600*	"
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 6</b>	0.5 - 3.0	145 4602	A 500
	<b>3.2 x 8</b>	3.0 - 5.0	143 3553	"
	<b>3.2 x 10</b>	5.0 - 6.5	143 3554	"
	<b>3.2 x 12</b>	6.5 - 8.5	145 4603	"
	<b>3.2 x 14</b>	9.0 - 11.0	144 6416*	"
	<b>3.2 x 16</b>	8.5 - 12.5	145 4604	B 500
	<b>3.2 x 18</b>	12.5 - 14.5	145 4601	"
	<b>3.2 x 20</b>	14.5 - 16.5	145 4605	"
<b>4</b> Hole-Ø: 4.1 mm	<b>4 x 6</b>	0.5 - 2.5	145 4606	A 500
	<b>4 x 8</b>	2.5 - 4.5	143 3555	"
	<b>4 x 10</b>	4.5 - 6.5	143 3556	B 500
	<b>4 x 12</b>	6.5 - 8.5	143 3557	"
	<b>4 x 14</b>	8.5 - 10.5	144 6417*	"
	<b>4 x 16</b>	8.5 - 12.0	145 4607	"
	<b>4 x 18</b>	12.0 - 14.0	145 4609	"
	<b>4 x 20</b>	14.0 - 16.0	145 4608	"
	<b>4 x 25</b>	16.0 - 21.0	145 4610	"
<b>4.8</b> Hole-Ø: 4.9 mm	<b>4.8 x 8</b>	2.0 - 4.0	143 3558	B 500
	<b>4.8 x 10</b>	4.0 - 6.0	143 3559	"
	<b>4.8 x 12</b>	6.0 - 8.0	143 3560	"
	<b>4.8 x 14</b>	8.0 - 10.0	145 4611*	"
	<b>4.8 x 16</b>	8.0 - 11.0	143 3561	"
	<b>4.8 x 20</b>	11.0 - 15.0	143 3562	B 250
	<b>4.8 x 25</b>	15.0 - 20.0	145 4612	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>5</b> Hole-Ø: 5.1 mm	<b>5 x 8</b>	2.0 - 4.0	145 4613	B 500
	<b>5 x 10</b>	4.0 - 6.0	145 4614	"
	<b>5 x 12</b>	6.0 - 8.0	145 4615	"
	<b>5 x 16</b>	9.5 - 11.0	145 4617	"
	<b>5 x 20</b>	11.0 - 15.0	145 4619	B 250
	<b>5 x 25</b>	15.0 - 20.0	145 4620	"
	<b>5 x 30</b>	20.0 - 25.0	145 4621	A 100
	<b>5 x 35</b>	25.0 - 30.0	145 4622	"
	<b>5 x 40</b>	30.0 - 34.0	145 4623	B 100
	<b>5 x 45</b>	34.0 - 39.0	145 4624	B 100
	<b>5 x 50</b>	39.0 - 44.0	145 4625	B 100
	<b>6</b> Hole-Ø: 6.1 mm	<b>6 x 10</b>	2.5 - 4.5	145 4626
<b>6 x 12</b>		4.5 - 6.5	145 4627	"
<b>6 x 14</b>		6.5 - 8.5	145 4628	"
<b>6 x 16</b>		8.5 - 10.5	145 4629	"
<b>6 x 20</b>		10.5 - 14.5	145 4630	"
<b>6 x 25</b>		14.5 - 19.5	145 4631	"
<b>6.4</b> Hole-Ø: 6.5 mm		<b>6.4 x 8</b>	1.0 - 3.0	143 3563
	<b>6.4 x 12</b>	3.0 - 6.0	143 3564	"
	<b>6.4 x 16</b>	6.0 - 9.0	143 3565	"
	<b>6.4 x 18</b>	9.0 - 11.0	145 4632*	B 200
	<b>6.4 x 20</b>	9.0 - 13.0	143 3566	"
	<b>6.4 x 25</b>	13.0 - 17.0	143 3567	"

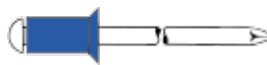
\*Clearance – only while stocks last!

# Blind rivets steel/steel

## Countersunk (120°)

Rivet body: Steel, zinc-plated

Mandrel: Steel, zinc-plated



	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>3</b> Hole-Ø: 3.1 mm	<b>3 x 6</b>	1.0 - 3.0	145 4633	A 500
	<b>3 x 8</b>	3.0 - 5.0	145 4634	"
	<b>3 x 10</b>	5.0 - 6.5	145 4635	"
	<b>3 x 12</b>	6.5 - 8.5	145 4636	"
<b>4</b> Hole-Ø: 4.1 mm	<b>4 x 6</b>	1.5 - 2.5	145 4637	A 500
	<b>4 x 8</b>	2.5 - 4.5	145 4638	"
	<b>4 x 10</b>	4.5 - 6.5	145 4639	B 500
	<b>4 x 12</b>	6.5 - 8.5	145 4640	"
	<b>4 x 16</b>	8.5 - 12.0	145 4641	"
	<b>4 x 20</b>	12.0 - 16.0	145 4642*	"

	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>5</b> Hole-Ø: 5.1 mm	<b>5 x 8</b>	2.0 - 4.0	145 4644	B 500
	<b>5 x 10</b>	4.0 - 6.0	145 4645	"
	<b>5 x 12</b>	6.0 - 8.0	145 4646	"
	<b>5 x 14</b>	8.0 - 9.5	145 4643*	"
	<b>5 x 16</b>	9.5 - 11.0	145 4647	"
	<b>5 x 20</b>	11.0 - 15.0	145 4648	B 250
	<b>5 x 25</b>	15.0 - 20.0	145 4649	"

\*Clearance – only while stocks last!

### Chart shear and tensile strength steel/steel standard

Rivet Ø mm	Shear strength N (kp)		Tensile strength N (kp)		Mandrel Ø mm	Max. head Ø mm
<b>3</b>	<b>1,000</b>	(102)	<b>1,300</b>	(133)	1.95	6.5
<b>3.2</b>	<b>1,200</b>	(122)	<b>1,500</b>	(153)	2.0	6.5
<b>4</b>	<b>2,000</b>	(204)	<b>2,500</b>	(255)	2.5	8.0
<b>4.8</b>	<b>2,900</b>	(296)	<b>4,000</b>	(408)	3.0	9.5
<b>5</b>	<b>3,100</b>	(316)	<b>4,400</b>	(449)	3.0	9.5
<b>6</b>	<b>4,400</b>	(449)	<b>6,000</b>	(612)	3.65	12.0
<b>6.4</b>	<b>4,900</b>	(500)	<b>6,800</b>	(694)	3.85	13.0

Test procedure according to DIN EN ISO 14589

### Chart shear and tensile strength steel/steel Counter sunk

Rivet Ø mm	Shear strength N (kp)		Tensile strength N (kp)		Mandrel Ø mm	Max. head Ø mm
<b>3</b>	<b>1,000</b>	(102)	<b>1,300</b>	(133)	1.95	6.0
<b>4</b>	<b>2,000</b>	(204)	<b>2,500</b>	(255)	2.5	7.5
<b>5</b>	<b>3,100</b>	(316)	<b>4,400</b>	(449)	3.0	9.0

Test procedure according to DIN EN ISO 14589

# Blind rivets copper/steel

## Standard (Dome head)

Rivet body: Copper  
Mandrel: Steel, zinc-plated



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
3 Hole-Ø: 3.1 mm	3 x 4	0.5 - 1.5	145 5279	A 500
	3 x 6	1.5 - 3.0	143 3655	"
	3 x 8	3.0 - 5.0	143 3656	"
	3 x 10	5.0 - 7.0	143 3657	"
	3 x 12	7.0 - 9.0	145 5280*	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
4 Hole-Ø: 4.1 mm	4 x 6	0.5 - 3.5	143 3658	A 500
	4 x 8	3.5 - 4.5	145 5281	"
	4 x 10	4.5 - 6.5	145 5282	"
	4 x 12	6.5 - 8.5	145 5283*	"

# Blind rivets copper/bronze

## Standard (Dome head)

Rivet body: Copper  
Mandrel: Bronze



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
3 Hole-Ø: 3.1 mm	3 x 4	0.5 - 1.5	145 5289	A 500
	3 x 6	1.5 - 3.0	145 5290	"
	3 x 8	3.0 - 5.0	143 3661	"
	3 x 10	5.0 - 7.0	145 5291	"
	3 x 12	7.0 - 9.0	145 5292*	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
4 Hole-Ø: 4.1 mm	4 x 6	0.5 - 3.5	145 5293	A 500
	4 x 8	3.5 - 4.5	145 5294	"
	4 x 10	4.5 - 6.5	145 5295	"

### Chart shear and tensile strength copper/steel and copper/bronze

Rivet Ø mm	Shear strength		Tensile strength		Mandrel Ø mm	Max. head Ø mm
	N	(kp)	N	(kp)		
3	800	(82)	1,000	(102)	1.8	6.5
4	1,500	(163)	2,200	(225)	2.1	8.0

Test procedure according to DIN EN ISO 14589

\*Clearance – only while stocks last!

# Blind rivets A2 Stainless steel



## Standard (Dome head)

Rivet body: Stainless steel A2 – Nr. 1.4567

Mandrel: Stainless steel A2



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3</b> Hole-Ø: 3.1 mm	<b>3 x 6</b>	1.0 - 3.0	143 3621	A 500
	<b>3 x 8</b>	3.0 - 5.0	143 3622	"
	<b>3 x 10</b>	5.0 - 6.5	145 5157	"
	<b>3 x 12</b>	6.5 - 8.5	145 5158	"
	<b>3 x 14</b>	8.5 - 10.5	145 5159	"
	<b>3 x 16</b>	10.5 - 12.5	145 5160	"
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 6</b>	1.0 - 3.0	143 3623	A 500
	<b>3.2 x 8</b>	3.0 - 5.0	143 3624	"
	<b>3.2 x 10</b>	5.0 - 6.5	143 3625	"
	<b>3.2 x 12</b>	6.5 - 8.5	143 3626	"
	<b>3.2 x 16</b>	8.5 - 12.5	145 5161	"
<b>4</b> Hole-Ø: 4.1 mm CE	<b>4 x 6</b>	1.0 - 2.5	143 3627	A 500
	<b>4 x 8</b>	2.5 - 4.5	143 3628	"
	<b>4 x 10</b>	4.5 - 6.5	143 3629	B 500
	<b>4 x 12</b>	6.5 - 8.5	143 3630	"
	<b>4 x 14</b>	8.5 - 10.5	143 3633	"
	<b>4 x 16</b>	10.5 - 12.0	143 3631	"
	<b>4 x 20</b>	12.0 - 16.0	143 3632	"
	<b>4 x 25</b>	16.0 - 21.0	145 5163	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 mm CE	<b>4.8 x 6</b>	1.5 - 3.0	145 5164	B 500
	<b>4.8 x 8</b>	2.0 - 4.0	143 3634	"
	<b>4.8 x 10</b>	4.0 - 6.0	143 3635	"
	<b>4.8 x 12</b>	6.0 - 8.0	143 3636	"
	<b>4.8 x 14</b>	8.0 - 9.5	145 5165	"
	<b>4.8 x 16</b>	9.5 - 11.0	143 3637	"
	<b>4.8 x 20</b>	11.0 - 15.0	143 3638	B 250
	<b>4.8 x 25</b>	15.0 - 20.0	145 5166	B 250
	<b>4.8 x 30</b>	20.0 - 25.0	143 3639	A 100
	<b>4.8 x 35</b>	25.0 - 30.0	145 5167*	"
<b>5</b> Hole-Ø: 5.1 mm	<b>5 x 8</b>	2.0 - 4.0	145 5168	B 500
	<b>5 x 10</b>	4.0 - 6.0	145 5169	"
	<b>5 x 12</b>	6.0 - 8.0	145 5170	"
	<b>5 x 14</b>	8.0 - 9.5	145 5171	"
	<b>5 x 16</b>	9.5 - 11.0	145 5172	"
	<b>5 x 20</b>	11.0 - 15.0	143 3646	B 250
	<b>5 x 25</b>	15.0 - 20.0	143 3647	"
	<b>5 x 30</b>	20.0 - 25.0	143 3648	A 100
	<b>5 x 35</b>	25.0 - 30.0	145 5173	"
	<b>5 x 40</b>	30.0 - 34.0	143 3649	"

Material surcharge will be added at a daily rate.

## Countersunk (120°)

Rivet body: Stainless steel A2 – Nr. 1.4567

Mandrel: Stainless steel A2



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3</b> Hole-Ø: 3.1 mm	<b>3 x 6</b>	1.5 - 3.0	145 5174	A 500
	<b>3 x 8</b>	3.0 - 5.0	143 3650	"
	<b>3 x 10</b>	5.0 - 6.5	145 5175	"
	<b>3 x 12</b>	6.5 - 8.5	145 5176*	"
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 6</b>	1.5 - 3.0	145 5177	A 500
	<b>3.2 x 8</b>	3.0 - 5.0	145 5178	"
	<b>3.2 x 10</b>	5.0 - 6.5	145 5179	"
	<b>3.2 x 12</b>	6.5 - 8.5	145 5180*	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4</b> Hole-Ø: 4.1 mm	<b>4 x 8</b>	1.5 - 4.5	145 5181	A 500
	<b>4 x 10</b>	4.5 - 6.5	143 3651	B 500
	<b>4 x 12</b>	6.5 - 8.5	143 3652	"
<b>4.8</b> Hole-Ø: 4.9 mm	<b>4.8 x 8</b>	2.5 - 4.0	145 5182*	B 500
	<b>4.8 x 10</b>	4.0 - 6.0	145 5183	"
	<b>4.8 x 12</b>	6.0 - 8.0	145 5184	"
<b>5</b> Hole-Ø: 5.1 mm	<b>5 x 8</b>	2.0 - 4.0	145 5185	B 500
	<b>5 x 10</b>	4.0 - 6.0	145 5186	"
	<b>5 x 12</b>	6.5 - 8.5	143 3653	"

Material surcharge will be added at a daily rate.

\*Clearance – only while stocks last!

The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 42.

# Blind rivets A2 Stainless steel



## Large flange

Rivet body: Stainless steel A2 – Nr. 1.4567  
Mandrel: Stainless steel A2



Material surcharge will be added at a daily rate.

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8 - K 15</b> Hole-Ø: 4.9 mm <b>CE</b>	<b>4.8 x 14</b>	8.0 - 9.5	143 3640	B 250
	<b>4.8 x 16</b>	9.5 - 11.0	143 3641	"
	<b>4.8 x 20</b>	11.0 - 15.0	143 3642	"
	<b>4.8 x 25</b>	15.0 - 20.0	143 3643	B 200
	<b>4.8 x 30</b>	20.0 - 25.0	143 3644	B 100

### Chart shear and tensile strength A2-stainless steel standard, countersunk and large flange

A2-stainless steel / A2-stainless steel counter sunk						
Rivet Ø mm	Shear strength		Tensile strength		Mandrel Ø mm	Max. head Ø mm
	N	(kp)	N	(kp)		
<b>3</b>	<b>1,600</b>	(163)	<b>2,000</b>	(205)	2.0	6.5
<b>3.2</b>	<b>1,900</b>	(275)	<b>2,500</b>	(255)	2.0	6.5
<b>4</b>	<b>2,700</b>	(275)	<b>3,600</b>	(367)	2.6	8.0
<b>4 x 20 - 25 ■</b>	<b>3,800</b>	(385)	<b>4,500</b>	(479)	2.6	8.0
<b>4.8</b>	<b>4,000</b>	(408)	<b>5,000</b>	(510)	3.2	9.5
<b>5</b>	<b>4,700</b>	(479)	<b>5,900</b>	(602)	3.2	9.5
<b>5 x 40 ■</b>	<b>5,900</b>	(602)	<b>7,200</b>	(735)	3.2	9.5

A2-Stainless steel Large flange						
Rivet Ø mm	Shear strength		Tensile strength		Mandrel Ø mm	Max. head Ø mm
	N	(kp)	N	(kp)		
<b>4.8</b>	<b>4,000</b>	(408)	<b>5,000</b>	(510)	3.2	15.0

Test procedure according to DIN EN ISO 14589

■ Hollow rivet stainless steel A2 tube, material no. 1.4301

# Blind rivets A4 Stainless steel



## Standard (Dome head)

Rivet body: Stainless steel A4 – Nr. 1.4578  
Mandrel: Stainless steel A4



	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>3</b> Hole-Ø: 3.1 mm	<b>3 x 6</b>	1.0 - 3.0	145 5530	A 500
	<b>3 x 8</b>	3.0 - 5.0	145 5531	"
	<b>3 x 10</b>	5.0 - 6.5	145 5532	"
	<b>3 x 12</b>	6.5 - 8.5	145 5533	"
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 6</b>	1.0 - 3.0	143 3761	A 500
	<b>3.2 x 8</b>	3.0 - 5.0	143 3762	"
	<b>3.2 x 10</b>	5.0 - 6.5	143 3763	"
	<b>3.2 x 12</b>	6.5 - 8.5	145 5535*	"
<b>4</b> Hole-Ø: 4.1 mm  CE	<b>4 x 6</b>	1.0 - 2.5	145 5534	A 500
	<b>4 x 8</b>	2.5 - 4.5	143 3764	"
	<b>4 x 10</b>	4.5 - 6.5	143 3765	B 500
	<b>4 x 12</b>	6.5 - 8.5	143 3766	"
	<b>4 x 14</b>	8.5 - 10.5	145 5536	"
	<b>4 x 16</b>	10.5 - 12.0	143 3767	"

\*Clearance – only while stocks last!

Material surcharge will be added at a daily rate.

	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 mm  CE	<b>4.8 x 6</b>	1.5 - 3.0	143 3768*	B 500
	<b>4.8 x 8</b>	3.0 - 4.5	143 3769	"
	<b>4.8 x 10</b>	4.5 - 6.0	143 3770	"
	<b>4.8 x 12</b>	6.0 - 7.5	143 3777	"
	<b>4.8 x 14</b>	8.0 - 9.5	143 3771*	"
	<b>4.8 x 16</b>	9.5 - 11.0	143 3772	"
	<b>4.8 x 20</b>	11.0 - 15.0	143 3773	B 250
	<b>4.8 x 25</b>	15.0 - 20.0	143 3774	"
	<b>4.8 x 30</b>	20.0 - 25.0	143 3775	A 100
	<b>4.8 x 35</b>	25.0 - 30.0	143 3776	"
<b>5</b> Hole-Ø: 5.1 mm	<b>5 x 8</b>	2.0 - 4.0	145 5537	B 500
	<b>5 x 10</b>	4.0 - 6.0	143 3778	"
	<b>5 x 12</b>	6.0 - 8.0	143 3779	"
	<b>5 x 16</b>	8.0 - 11.0	143 3781	"
	<b>5 x 20</b>	11.0 - 15.0	145 5538	B 250
	<b>5 x 25</b>	15.0 - 20.0	143 3782	"
	<b>5 x 30</b>	20.0 - 25.0	143 3783	A 100
	<b>5 x 35</b>	25.0 - 30.0	143 3784	"

## Large flange

Rivet body: Stainless steel A4 – Nr. 1.4578  
Mandrel: Stainless steel A4



	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8 - K 15</b> Hole-Ø: 4.9 mm  CE	<b>4.8 x 14</b>	8.0 - 9.5	143 3785	B 250
	<b>4.8 x 16</b>	9.5 - 11.0	143 3786	"
	<b>4.8 x 20</b>	11.0 - 15.0	143 3787	"
	<b>4.8 x 25</b>	15.0 - 20.0	143 3788	B 200
	<b>4.8 x 30</b>	20.0 - 25.0	143 3789	B 100
	<b>4.8 x 35</b>	25.0 - 30.0	143 3790	"

Material surcharge will be added at a daily rate.

The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 44.

# Blind rivets A4 Stainless steel



Chart shear and tensile strength A4-stainless steel standard and large flange

Rivet Ø mm	Type	Shear strength		Tensile strength		Mandrel Ø mm	Max. head Ø mm
		N	(kp)	N	(kp)		
3	Standard	1,600	(163)	2,000	(205)	2.0	6.5
3.2	Standard	1,900	(275)	2,500	(255)	2.0	6.5
4	Standard	2,700	(275)	3,600	(367)	2.6	8.0
4.8	Large flange	4,000	(408)	5,000	(510)	3.2	15.0
4.8	Standard	4,000	(408)	5,000	(510)	3.2	9.5
5	Standard	4,700	(479)	5,900	(602)	3.2	9.5

Test procedure according to DIN EN ISO 14589

# Blind rivets Monel®



## Standard (Dome head)

Rivet body: Nickel-copper-alloy – Nr. 2.4360  
Mandrel: Stainless steel-A2

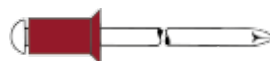


	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
4 Hole-Ø: 4.1 mm	4 x 6	1.5 - 2.5	145 3939*	A 500
	4 x 8	2.5 - 4.5	145 3940*	A 500
	4 x 10	4.5 - 6.5	145 3941*	B 500
	4 x 12	6.5 - 8.5	145 3942*	B 500
	4 x 14	8.5 - 10.5	145 3943*	B 500
	4 x 16	10.5 - 12.0	145 3944*	B 500

	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
4.8 Hole-Ø: 4.9 mm	4.8 x 6	1.5 - 3.0	145 3948*	B 500
	4.8 x 8	2.0 - 4.0	145 3949*	B 500
	4.8 x 12	6.0 - 8.0	145 3951*	B 500
	4.8 x 14	8.0 - 9.0	145 3952*	B 500
	4.8 x 20	11.0 - 15.0	145 3954*	B 250
	4.8 x 25	15.0 - 20.0	145 3955*	B 250
	4.8 x 30	20.0 - 25.0	145 3956*	A 100
	4.8 x 35	25.0 - 30.0	145 3957*	A 100

## Countersunk (120°)

Rivet body: Nickel-copper-alloy – Nr. 2.4360  
Mandrel: Stainless steel-A2



	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
4 Hole-Ø: 4.1 mm	4 x 8	1.5 - 4.5	145 3945*	A 500
	4 x 10	4.5 - 6.5	145 3946*	B 500
	4 x 12	6.5 - 8.5	145 3947*	B 500

	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
4.8 Hole-Ø: 4.9 mm	4.8 x 8	2.5 - 4.0	145 3958*	B 500
	4.8 x 10	4.0 - 6.0	145 3959*	B 500
	4.8 x 12	6.0 - 8.0	145 3960*	B 500

\*Clearance – only while stocks last!

## Large flange

Rivet body: Nickel-Copper-Legierung – Nr. 2.4360  
Mandrel: Stainless steel-A2



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 mm	<b>4.8 x 14</b>	8.0 - 9.5	145 3961	B 250
	<b>4.8 x 16</b>	9.5 - 11.0	145 3962	"
	<b>4.8 x 20</b>	11.0 - 15.0	145 3963	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 mm	<b>4.8 x 25</b>	15.0 - 20.0	145 3964	B 200
	<b>4.8 x 30</b>	20.0 - 25.0	145 3965	B 100
	<b>4.8 x 35</b>	25.0 - 30.0	145 3966	B 100

Chart shear and tensile strength monel® standard, countersunk and large flange

Rivet Ø mm	Shear strength		Tensile strength		Mandrel Ø mm	Max. head Ø mm
	N	(kp)	N	(kp)		
<b>4</b>	<b>2,100</b>	(214)	<b>3,100</b>	(316)	2.6	8.0 (Standard, countersunk)
<b>4.8</b>	<b>3,500</b>	(408)	<b>4,500</b>	(510)	3.2	9.5 (Standard, countersunk)
<b>4.8</b>	<b>3,500</b>	(408)	<b>4,500</b>	(510)	3.2	15 (Large flange)

Test procedure according to DIN EN ISO 14589

## Blind rivets Stinox

### Standard (Dome head)

Rivet body: Stainless steel A2 – Nr. 1.4567  
Mandrel: Steel, zinc-plated



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3</b> Hole-Ø: 3.1 mm	<b>3 x 6</b>	1.0 - 3.0	145 5297	A 500
	<b>3 x 8</b>	3.0 - 5.0	145 5298	"
	<b>3 x 10</b>	5.0 - 6.5	145 5299	"
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 6</b>	1.0 - 3.0	145 5300	A 500
	<b>3.2 x 8</b>	3.0 - 5.0	145 5301	"
	<b>3.2 x 10</b>	5.0 - 6.5	145 5302	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4</b> Hole-Ø: 4.1 mm	<b>4 x 6</b>	1.0 - 2.5	145 5303	A 500
	<b>4 x 8</b>	2.5 - 4.5	145 5304	"
	<b>4 x 10</b>	4.5 - 6.5	145 5305	B 500
	<b>4 x 12</b>	6.5 - 8.5	145 5306	"
	<b>4 x 14</b>	8.5 - 10.5	144 6455	"
	<b>4 x 16</b>	8.5 - 12.0	145 5307	"
<b>4.8</b> Hole-Ø: 4.9 mm	<b>4.8 x 8</b>	2.0 - 4.0	145 5308	B 500
	<b>4.8 x 10</b>	4.0 - 6.0	145 5309	"
	<b>4.8 x 12</b>	6.0 - 8.0	145 5310	"
<b>5</b> Hole-Ø: 5.1 mm	<b>5 x 8</b>	2.0 - 4.0	145 5311	B 500
	<b>5 x 10</b>	4.0 - 6.0	145 5312	"
	<b>5 x 12</b>	6.0 - 8.0	145 5313	"

Material surcharge will be added at a daily rate.

Chart shear and tensile strength stinox standard

Rivet Ø mm	Shear strength		Tensile strength		Mandrel Ø mm	Max. head Ø mm
	N	(kp)	N	(kp)		
<b>3</b>	<b>1,600</b>	(163)	<b>2,000</b>	(205)	2.0	6.5
<b>3.2</b>	<b>1,900</b>	(275)	<b>2,500</b>	(255)	2.0	6.5
<b>4</b>	<b>2,700</b>	(275)	<b>3,600</b>	(367)	2.6	8.0
<b>4.8</b>	<b>4,000</b>	(408)	<b>5,000</b>	(510)	3.2	9.5
<b>5</b>	<b>4,700</b>	(479)	<b>5,900</b>	(602)	3.2	9.5

Test procedure according to DIN EN ISO 14589



# PolyGrip® – A most versatile small fellow

**GESIPA®-PolyGrip® – Favorite for difficult and demanding applications for all kinds of materials in industrial environment.**



The GESIPA® PolyGrip® range of blind rivets, originally meant to be only a multigrip rivet has meanwhile shown other multiple talents. This makes it a favourite choice for difficult and demanding applications in industrial environment. Whether in aluminium, steel or stainless steel, outdoor or indoor, with hard or soft application materials, critical hole diameters and tolerances, when nothing seems to work properly, GESIPA® PolyGrip® will usually save the day.

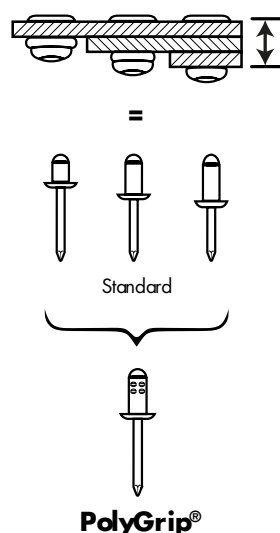
## Main features

### • Large grip range:

One single PolyGrip® blind rivet can replace up to five different sizes of standard DIN blind rivets.

### Your benefits:

- Type simplification
- Limited type variety for reduced stocks
- Lower risk of confusion therefore fewer mistakes in production



- **Outstanding hole filling capability:** The rivet body expands radially during the setting process and compensates hole tolerances, centering deviations and differences in diameter, thus always building up a playfree and tight joint.
- **Safe rest mandrel locking:** PolyGrip® blind rivets neither generate rattling noises due to free moving rest mandrels nor do they allow the risk of loss of the rest mandrel.
- **Splash waterproof** are the PolyGrip® blind rivets under certain conditions too. Hole filling and rest mandrel locking make of them a real alternative to closed end rivets when it is essential to prevent water flowing through the whole joint and not only through the rivet body.
- **A large closing head:** for a high tensile and unbuttoning resistance.



# PolyGrip® blind rivets

## High flexibility in design

The setting process of PolyGrip® blind rivets is fully predictable and the shaft deformation can be programmed for every special application through intelligent locating of the shaft grooves. This allows to reliably predetermine the clamp force, radial shaft expansion and closing head build-up.

The production of PolyGrip® blind rivets is one of the core specialities of the GESIPA® factory in Thal, Thuringia.



## Alu/steel Standard

### (Dome head)

Rivet body: Aluminium alloy  
Mandrel: Steel, zinc-plated

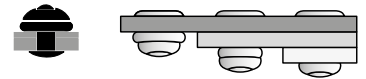


	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 8</b>	0.5 - 5.0	143 3822	B 1000
	<b>3.2 x 9,5</b>	1.5 - 6.5	143 3823	"
	<b>3.2 x 11</b>	3.0 - 8.0	143 3824	"
<b>4.0</b> Hole-Ø: 4.1 mm	<b>4 x 10</b>	0.5 - 6.5	143 3826	B 500
	<b>4 x 13</b>	3.5 - 9.5	143 3827	"
	<b>4 x 17</b>	7.0 - 13.0	143 3828	"
<b>4.8</b> Hole-Ø: 4.9 mm CE	<b>4.8 x 10</b>	0.5 - 6.5	143 3831	B 500
	<b>4.8 x 15</b>	4.5 - 11.0	143 3832	"
	<b>4.8 x 17</b>	6.5 - 13.0	143 3833	"
	<b>4.8 x 25</b>	11.0 - 19.5	143 3838	B 250
	<b>4.8 x 30</b>	16.0 - 24.0	143 3839	"
<b>6.4</b> Hole-Ø: 6.5 mm	<b>6.4 x 15</b>	1.5 - 9.0	143 3841	B 250
	<b>6.4 x 20</b>	6.0 - 14.0	143 3842	"
	<b>6.4 x 25</b>	10.0 - 18.0	143 3843	"

The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 51.

Under certain conditions all GESIPA® PolyGrip® blind rivets are splash waterproof.

# PolyGrip® blind rivets



## Alu/steel Countersunk (120°)

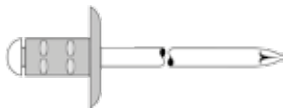
Rivet body: Aluminium alloy  
Mandrel: Steel, zinc-plated



	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 mm	<b>3.2 x 6</b>	1.0 - 3.0	145 0404	B 1000
	<b>3.2 x 10</b>	4.0 - 7.0	145 0405	"
<b>4.0</b> Hole Ø: 4.1 mm	<b>4 x 6</b>	1.5 - 3.5	145 0406	B 500
	<b>4 x 12</b>	3.5 - 8.5	144 6470	"
<b>4.8</b> Hole Ø: 4.9 mm	<b>4.8 x 10</b>	2.0 - 5.0	145 0407	B 500
	<b>4.8 x 15</b>	5.0 - 11.0	144 6471	"

## Alu/steel Large flange

Rivet body: Aluminium alloy  
Mandrel: Steel, zinc-plated

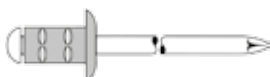


	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2 - K 9.5</b> Hole Ø: 3.3 mm	<b>3.2 x 8</b>	0.5 - 5.0	143 3825	B 1000
	<b>3.2 x 9.5</b>	1.5 - 6.5	145 5675	"
	<b>3.2 x 11</b>	3.0 - 8.0	145 5676	"
<b>4.0 - K 12</b> Hole Ø: 4.1 mm	<b>4 x 10</b>	0.5 - 6.5	143 3829	B 500
	<b>4 x 13</b>	3.5 - 9.5	143 3830	"
	<b>4 x 17</b>	7.0 - 13.0	143 3837	"
<b>4.8 - K 16</b> Hole Ø: 4.9 mm CE	<b>4.8 x 10</b>	0.5 - 6.5	143 3834	B 250
	<b>4.8 x 15</b>	4.5 - 11.0	143 3835	"
	<b>4.8 x 17</b>	6.5 - 13.0	143 3836	"
	<b>4.8 x 25</b>	11.0 - 19.5	143 3840	B 100
	<b>4.8 x 30</b>	16.0 - 24.0	145 5677	"

## Alu/stainless Standard

(Dome head)

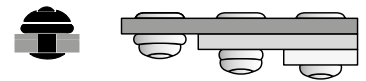
Rivet body: Aluminium alloy  
Mandrel: Stainless steel A2



	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 mm	<b>3.2 x 8</b>	0.5 - 5.0	143 3883	B 1000
	<b>3.2 x 9.5</b>	1.5 - 6.5	143 3884	"
	<b>3.2 x 11</b>	3.0 - 8.0	143 3885	"
<b>4.0</b> Hole Ø: 4.1 mm CE	<b>4 x 10</b>	0.5 - 6.5	143 3887	B 500
	<b>4 x 13</b>	3.5 - 9.5	143 3888	"
	<b>4 x 17</b>	7.0 - 13.0	143 3889	"
<b>4.8</b> Hole Ø: 4.9 mm CE	<b>4.8 x 10</b>	0.5 - 6.5	143 3892	B 500
	<b>4.8 x 15</b>	4.5 - 11.0	143 3893	"
	<b>4.8 x 17</b>	6.5 - 13.0	143 3894	"
	<b>4.8 x 25</b>	11.0 - 19.5	143 3895	B 250
	<b>4.8 x 30</b>	16.0 - 24.0	143 3896	"
<b>6.4</b> Hole Ø: 6.5 mm	<b>6.4 x 15</b>	1.5 - 9.0	143 3902	B 250
	<b>6.4 x 20</b>	6.0 - 14.0	143 3903	"
	<b>6.4 x 25</b>	10.0 - 18.0	143 3904	"

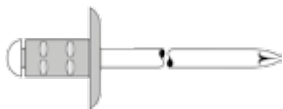
Material surcharge will be added at a daily rate.

# PolyGrip® blind rivets



## Alu/stainless Large flange

Rivet body: Aluminium alloy  
Mandrel: Stainless steel A2



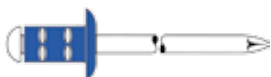
	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2 - K 9.5</b> Hole Ø: 3.3 mm	<b>3.2 x 8</b>	0.5 - 5.0	145 6032	B 1000
	<b>3.2 x 9.5</b>	1.5 - 6.5	143 3886	"
	<b>3.2 x 11</b>	3.0 - 8.0	145 6033*	"
<b>4.0 - K 12</b> Hole Ø: 4.1 mm CE	<b>4 x 10</b>	0.5 - 6.5	143 3890	B 500
	<b>4 x 13</b>	3.5 - 9.5	143 3891	"
	<b>4 x 17</b>	7.0 - 13.0	145 6034	"
<b>4.8 - K 16</b> Hole Ø: 4.9 mm CE	<b>4.8 x 10</b>	0.5 - 6.5	143 3897	B 250
	<b>4.8 x 15</b>	4.5 - 11.0	143 3898	"
	<b>4.8 x 17</b>	6.5 - 13.0	143 3899	"
	<b>4.8 x 25</b>	11.0 - 19.5	143 3900	B 100
	<b>4.8 x 30</b>	16.0 - 24.0	143 3901	"

Material surcharge will be added at a daily rate.

## Steel/steel Standard

(Dome head)

Rivet body: Steel, zinc-plated  
Mandrel: Steel, zinc-plated



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 mm	<b>3.2 x 8</b>	1.0 - 5.0	143 3866	B 1000
	<b>3.2 x 9.5</b>	2.0 - 6.5	143 3867	"
	<b>3.2 x 11</b>	3.0 - 8.0	143 3868	"
<b>4.0</b> Hole Ø: 4.1 mm	<b>4 x 10</b>	1.5 - 6.5	143 3869	B 500
	<b>4 x 13</b>	4.5 - 9.0	143 3870	"
	<b>4 x 17</b>	8.5 - 13.0	143 3871	"
<b>4.8</b> Hole Ø: 4.9 mm	<b>4.8 x 10</b>	1.5 - 6.5	143 3873	B 500
	<b>4.8 x 15</b>	6.0 - 11.0	143 3874	"
	<b>4.8 x 17</b>	8.5 - 13.0	143 3875	"
<b>6.4</b> Hole Ø: 6.5 mm	<b>6.4 x 15</b>	2.0 - 8.0	143 3877	B 250
	<b>6.4 x 20</b>	5.0 - 13.0	143 3878	"
	<b>6.4 x 25</b>	10.0 - 18.0	143 3879	B 200

## Steel/steel Countersunk (120°)

Rivet body: Steel, zinc-plated  
Mandrel: Steel, zinc-plated



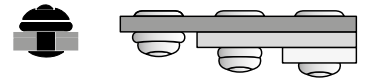
	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 6</b>	1.0 - 3.0	145 0435	B 1000
	<b>3.2 x 10</b>	3.0 - 7.0	145 0436	"
<b>4.0</b> Hole-Ø: 4.1 mm	<b>4 x 6</b>	1.5 - 3.5	145 0437	B 500
	<b>4 x 12</b>	3.5 - 8.5	144 6482	"
<b>4.8</b> Hole-Ø: 4.9 mm	<b>4.8 x 10</b>	2.0 - 6.0	144 6483	B 500
	<b>4.8 x 15</b>	5.5 - 11.0	144 6484	"

The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 51.

\*Clearance – only while stocks last!



# PolyGrip® blind rivets



## Steel/steel large flange

Rivet body: Steel, zinc-plated  
Mandrel: Steel, zinc-plated



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2 - K 9.5</b> Hole Ø: 3.3 mm	<b>3.2 x 8</b>	1.0 - 5.0	145 5972	B 1000
	<b>3.2 x 9.5</b>	2.0 - 6.5	145 5973	"
	<b>3.2 x 11</b>	3.0 - 8.0	145 5974	"
<b>4.0 - K 12</b> Hole Ø: 4.1 mm	<b>4 x 10</b>	1.5 - 6.5	143 3872	B 500
	<b>4 x 13</b>	4.5 - 9.0	145 5975	"
	<b>4 x 17</b>	8.5 - 13.0	145 5976	"
<b>4.8 - K 16</b> Hole Ø: 4.9 mm	<b>4.8 x 10</b>	1.5 - 6.5	143 3876	B 250
	<b>4.8 x 15</b>	6.0 - 11.0	145 5977	"
	<b>4.8 x 17</b>	8.5 - 13.0	145 5978	"

## A2 stainless steel Standard

**Dome head**

Rivet body: Stainless steel A2 -  
no. 1.4567  
Mandrel: Stainless steel A2



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 mm	<b>3.2 x 8</b>	1.0 - 5.0	143 3909	B 1000
	<b>3.2 x 9.5</b>	2.0 - 6.0	145 6288	"
	<b>3.2 x 11</b>	3.0 - 8.0	143 3910	"
<b>4.0</b> Hole Ø: 4.1 mm	<b>4 x 10</b>	1.0 - 6.5	143 3911	B 500
	<b>4 x 13</b>	3.0 - 8.0	143 3912	"
	<b>4 x 17</b>	7.0 - 11.0	143 3913	"
<b>4.8</b> Hole Ø: 4.9 mm CE	<b>4.8 x 10</b>	1.0 - 6.5	143 3914	B 500
	<b>4.8 x 15</b>	5.0 - 10.0	143 3915	"
	<b>4.8 x 17</b>	8.0 - 12.0	143 3916	"
<b>6.4</b> Hole Ø: 6.5 mm	<b>6.4 x 13</b>	2.0 - 6.5	143 3918	B 250
	<b>6.4 x 15</b>	3.5 - 8.5	143 3917	"
	<b>6.4 x 20</b>	7.0 - 12.5	143 3919	B 200

Material surcharge will be added at a daily rate.

## A4 stainless steel Standard

**Dome head**

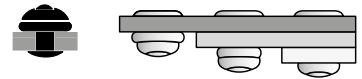
Rivet body: Stainless steel A4 -  
no. 1.4578  
Mandrel: Stainless steel A4



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 mm	<b>3.2 x 11</b>	3.0 - 8.0	143 3921	B 1000
<b>4.0</b> Hole Ø: 4.1 mm	<b>4 x 10</b>	1.0 - 6.5	143 3922	B 500
<b>4.8</b> Hole Ø: 4.9 mm	<b>4.8 x 10</b>	1.0 - 6.5	143 3923	"
	<b>4.8 x 15</b>	5.0 - 10.0	143 3924	"

Material surcharge will be added at a daily rate.

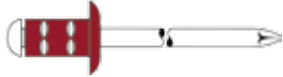
# PolyGrip® blind rivets



1

## Monel® Standard

Rivet body: Nickel-copper-alloy  
Mandrel: Stainless steel A2



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 mm	<b>4.8 x 10</b>	1.0 - 6.5	145 6335*	B 500
	<b>4.8 x 15</b>	5.0 - 10.0	145 6336*	"
	<b>4.8 x 17</b>	8.0 - 12.0	145 6337*	"

Material surcharge will be added at a daily rate.

\*Clearance – only while stocks last!

### Chart shear and tensile strength

PolyGrip® alu/steel and alu/stainless steel						
Rivet Ø	Shear strength		Tensile strength		Mandrel Ø	Max. head Ø
mm	N	(kp)	N	(kp)	mm	mm standard Large flange
<b>3.2</b>	<b>720</b>	(73)	<b>1,050</b>	(107)	1.8	6.5 9.5
<b>4.0</b>	<b>1,060</b>	(108)	<b>1,680</b>	(171)	2.3	8.0 12.0
<b>4.8</b>	<b>1,500</b>	(163)	<b>2,300</b>	(231)	2.7	9.5 16.0
<b>6.4</b>	<b>2,800</b>	(285)	<b>4,000</b>	(405)	3.65	13.0 -

PolyGrip® steel/steel						
Rivet Ø	Shear strength		Tensile strength		Mandrel Ø	Max. head Ø
mm	N	(kp)	N	(kp)	mm	mm standard Large flange
<b>3.2</b>	<b>1,200</b>	(122)	<b>1,600</b>	(163)	2.1	6.5 9.5
<b>4.0</b>	<b>1,650</b>	(168)	<b>2,400</b>	(245)	2.6	8.0 12.0
<b>4.8</b>	<b>2,400</b>	(245)	<b>3,200</b>	(326)	3.2	9.5 16.0
<b>6.4</b>	<b>4,000</b>	(408)	<b>6,100</b>	(621)	4.25	13.0 -

PolyGrip® stainless steel A2					
Rivet Ø	Shear strength		Tensile strength		Max. head Ø
mm	N	(kp)	N	(kp)	mm
<b>3.2</b>	<b>1,450</b>	(148)	<b>2,300</b>	(235)	6.5
<b>4.0</b>	<b>2,650</b>	(271)	<b>3,600</b>	(367)	8.0
<b>4.8</b>	<b>4,000</b>	(408)	<b>5,000</b>	(510)	9.5
<b>6.4</b>	<b>7,800</b>	(795)	<b>8,800</b>	(897)	13.0

PolyGrip® stainless steel A4					
Rivet Ø	Shear strength		Tensile strength		Max. head Ø
mm	N	(kp)	N	(kp)	mm
<b>3.2</b>	<b>1,450</b>	(148)	<b>2,300</b>	(235)	6.5
<b>4.0</b>	<b>2,650</b>	(271)	<b>3,600</b>	(367)	8.0
<b>4.8</b>	<b>4,000</b>	(408)	<b>5,000</b>	(510)	9.5

Monel®					
Rivet Ø	Shear strength		Tensile strength		Max. head Ø
mm	N	(kp)	N	(kp)	mm
<b>4.8</b>	<b>3,500</b>	(148)	<b>4,500</b>	(235)	9.5

Test procedure according to DIN EN ISO 14589

# Coloured blind rivets

Coloured blind rivets, visually appealing with additional corrosion protection



GESIPA® blind rivets are also available in colour to match the application.

To guarantee the best possible durability the hollow rivets are painted using a two-component epoxy resin paint in a stow enamelling process.

In addition to the visual benefits, the painted blind rivet also has added protection against corrosion. Aluminium blind rivets are best suited for this procedure. In the long-term they achieve the desired visual effect when joining coloured parts.

GESIPA® blind rivets are available in the standard RAL colours.

On request, steel blind rivets are also available in RAL colours or even special colours.

Another method for colouring blind rivets and for protecting them against corrosion is to anodize them. GESIPA® blind rivets are anodized in a direct current sulphuric acid process. The term Eloxal is used to describe the electrolytic oxidation of aluminium. Eloxal itself is actually colourless. Applying a second coat using metal salts creates the desired light-fast colour. The Eloxal method is more complex but is the most durable process for coloured blind rivets.

The range of coloured blind rivets includes **16 RAL colours** in ten different dimensions each. The blind rivets are produced in a wet varnish drum process. The colours are similar to the RAL colours.

**The material surcharge will be added at a daily rate.**

# Coloured blind rivets – PolyGrip® in alu/stainless

Rivet body: Aluminium alloy  
Mandrel: stainless steel A2



The material surcharge will be added at a daily rate.

	Rivet body D <sub>i</sub> x L mm	Grip range mm	RAL 1015 Light ivory Part no.	RAL 1035 Pearl beige Part no.	RAL 3000 Flame red Part no.	RAL 5010 Gentian blue Part no.	RAL 7011 Iron grey Part no.	RAL 7016 Anthracit grey Part no.	Quantity per box
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 8</b>	0.5 - 5.0	144 6485*	144 6488*	145 6047*	145 6055*	145 6063*	145 0448	A 1000
	<b>3.2 x 9.5</b>	1.5 - 6.5	145 6035*	144 6489*	144 6493*	145 6056*	145 6064*	145 0449	A 1000
	<b>3.2 x 11</b>	3.0 - 8.0	144 6486*	144 6490*	145 6048*	144 6495*	145 6065*	144 6510	A 1000
<b>4</b> Hole-Ø: 4.1 mm	<b>4 x 10</b>	0.5 - 6.5	145 6036	145 6042*	145 6049	145 6057	145 6066	145 6159	B 500
	<b>4 x 13</b>	3.5 - 9.5	145 6037	144 6491*	145 6050	144 6496	145 6067	144 6511	B 500
	<b>4 x 17</b>	7.0 - 13.0	145 6038*	145 6043*	144 6494*	145 6058*	144 6497*	145 6160	B 500
<b>4.8</b> Hole-Ø: 4.9 mm 	<b>4.8 x 10</b>	0.5 - 6.5	145 6039	145 6044*	145 6051	145 6059	145 6068	145 0450	B 500
	<b>4.8 x 15</b>	4.5 - 11.0	145 6040	144 6492*	145 6052	145 6060	145 6069	145 6161	B 500
	<b>4.8 x 17</b>	6.5 - 13.0	144 6487	145 6045*	145 6053	145 6061	145 0447	145 6162	B 500
	<b>4.8 x 25</b>	11.0 - 19.5	145 6041	145 6046*	145 6054	145 6062	145 6070	144 6512	B 250

	Rivet body D <sub>i</sub> x L mm	Grip range mm	RAL 7022 Umbra grey Part no.	RAL 7024 Graphite grey Part no.	RAL 8014 Sepia brown Part no.	RAL 9002 Grey white Part no.	RAL 9003 Signal white Part no.	Quantity per box
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 8</b>	0.5 - 5.0	145 6071*	145 6079*	145 6088	145 6096	145 6106	A 1000
	<b>3.2 x 9.5</b>	1.5 - 6.5	145 6072*	145 6080*	145 6089	145 6097*	144 6503	A 1000
	<b>3.2 x 11</b>	3.0 - 8.0	145 6073*	145 6081*	144 6501	145 6098*	145 6107	A 1000
<b>4</b> Hole-Ø: 4.1 mm	<b>4 x 10</b>	0.5 - 6.5	145 6074	145 6082	145 6090	145 6099	145 6108	B 500
	<b>4 x 13</b>	3.5 - 9.5	145 6075	145 6083	145 6091	145 6100	145 6109	B 500
	<b>4 x 17</b>	7.0 - 13.0	144 6498*	145 6084*	145 6092	145 6101	145 6110	B 500
<b>4.8</b> Hole-Ø: 4.9 mm 	<b>4.8 x 10</b>	0.5 - 6.5	145 6076*	145 6085	145 6093	145 6102	145 6111	B 500
	<b>4.8 x 15</b>	4.5 - 11.0	145 6077*	145 6086	145 6094	145 6103	144 6504	B 500
	<b>4.8 x 17</b>	6.5 - 13.0	145 6078	145 6087	145 6095*	145 6104*	145 6112	B 500
	<b>4.8 x 25</b>	11.0 - 19.5	144 6499	144 6500*	144 6502*	145 6105*	145 6113*	B 250

	Rivet body D <sub>i</sub> x L mm	Grip range mm	RAL 9005 Jet black Part no.	RAL 9006 White aluminium Part no.	RAL 9007 Grey aluminium Part no.	RAL 9010 Pure white Part no.	RAL 9011 Graphite black Part no.	Quantity per box
<b>3.2</b> Hole-Ø: 3.3 mm	<b>3.2 x 8</b>	0.5 - 5.0	145 6114	145 6124*	145 6131	145 6140	145 6150	A 1000
	<b>3.2 x 9.5</b>	1.5 - 6.5	145 6115	145 6125*	145 6132	145 6141	145 6151	A 1000
	<b>3.2 x 11</b>	3.0 - 8.0	145 6116	144 6505	145 6133	145 6142	145 6152	A 1000
<b>4</b> Hole-Ø: 4.1 mm	<b>4 x 10</b>	0.5 - 6.5	145 6117	145 6126	145 6134	145 6143	145 6153	B 500
	<b>4 x 13</b>	3.5 - 9.5	145 6118	144 6506	145 6135	145 6144	145 6154	B 500
	<b>4 x 17</b>	7.0 - 13.0	145 6119	145 6127	144 6508	145 6145	145 6155	B 500
<b>4.8</b> Hole-Ø: 4.9 mm 	<b>4.8 x 10</b>	0.5 - 6.5	145 6120	145 6128	145 6136	145 6146	145 6156	B 500
	<b>4.8 x 15</b>	4.5 - 11.0	145 6121	145 6129	145 6137	145 6147	145 6157	B 500
	<b>4.8 x 17</b>	6.5 - 13.0	145 6122	145 6130	145 6138	145 6148	144 6509	B 500
	<b>4.8 x 25</b>	11.0 - 19.5	145 6123	144 6507*	145 6139	145 6149	145 6158*	B 250

The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 51.

\*Clearance – only while stocks last!



# SolarGrip® – the special rivet



IBC SOLAR AG, one of the world's leading global photovoltaic systems integrators, is investing in its cooperation with GESIPA®. GESIPA® has developed a blind rivet for the efficient IBC TopFix 200 assembly system that adequately meets the technical requirements, and has produced it in Germany.

## The advantages are clear:

Fast and precise work, as well as tightness against splashing water at the riveting points, result in a durable and safe connection. We recommend using PowerBird® Solar or AccuBird® for quick and easy assembly. IBC Solar and GESIPA®, good connections are unbeatable.

## What our client IBC SOLAR says about SolarGrip®:

„By offering our IBC TopFix 200 assembly system, we provide our customers with an assembly system for pitched roofs that is approved by the building inspectorate and ensures the highest level of flexibility and quality. IBC TopFix 200 is universally usable on any pitched roof and provides solutions for many different Types of roofs.

Specially-designed prefabricated module clamps are used for assembly on trapezoidal sheet metal roofs, which helps to save up to 20% of installation time compared to conventional assembly systems.

GESIPA® SolarGrip® rivets ensure quick, easy and safe assembly on the metal sheet. The rivet customised to our system and quality requirements guarantees water tightness, a long service life and the highest economic efficiency, and has proved itself in practice millions of times.

Many of our trade partners use SolarGrip® for convenient assembly of the substructure. The same also goes for the Haude family in Upper Franconia, Germany (see image). In 2015, the Haude family built their house in accordance with the latest energy efficiency principles, with the aim of avoiding primary energy from fossil fuels altogether. At the heart of the energy concept is a 9.7 kWp PV roof system. "To fix the assembly system to the trapezoidal sheet roof, we used pre-assembled clamps with SolarGrip® rivets – an impressive solution from our partner GESIPA®."

Sonnenstrom  
mit System



# SolarGrip® – the special rivet

Millions of connections exposed to storms, rain, snow and sunlight on a daily basis are testament to the reliability of GESIPA® SolarGrip® blind rivets, pictured on the left for application cases at IBC Solar.

**Speak to us, we will be happy to advise you!**



## SolarGrip® – The solar fastener

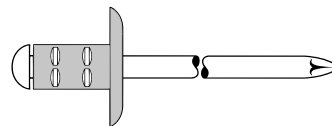
- ETA-Approval applied for ETA-13/0255
- Matching grip range for many solar applications
- Ideal for working on trapezoid panel roofs
- SolarSeal coating for 4.8 mm rivets
- Riveting of sponge rubber or EPDM washers possible
- Function documentation available on request at extra cost

## SolarGrip® – The basic characteristics

- Large grip range coverage with a single blind rivet
- Wide closing head
- Outstanding hole filling capability
- Compact closing head
- For use with all GESIPA® setting tools

The perfect processing tool, the **PowerBird®-Solar**, can be found on **page 111**.

## SolarGrip® program



	Rivet body D, x L mm	Material	Grip range mm	Tensile strength in N	Shear strength in N	Part no.	Quantity per box
<b>4.8 - K 11.4</b> Hole Ø: 5.1- 5.2 mm CE	4.8 x 12.0	Rivet body: Alu AlMg 2.5 (Colour: black) Mandrel: Stainless steel A2 – Nr. 1.4541	3.0 - 5.0	2,300	1,500	143 3905	P 500
	4.8 x 15.0	Rivet body: Alu AlMg 2.5 (blank) Mandrel: Stainless steel, zinc-plated	5.0 - 8.0	2,300	1,500	143 3906	"
<b>6.4 - K 11.4</b> Hole Ø: 6.5 - 6.9 mm CE	6.4 x 14.0	Rivet body: Alu AlMg 2.5 (blank) Mandrel: Steel, zinc-plated	3.0 - 8.0	4,000	2,800	145 5678	P 250

\*Material surcharge will be added at a daily rate

**CE: ETA certification 13/0255**  
Corresponding approval documents on [www.gesipa.com](http://www.gesipa.com)

**All sizes on request – also available in bulk packs**

# **GESIPA® CAP® – Closed end blind rivets**

**GESIPA® CAP® – naturally  
air and watertight**



## **The structure**

For technical reasons, the rivet mandrel of the GESIPA® CAP® blind rivet must be fixed in the rivet body. However this means that the rivet body can only deform slightly during the setting process. As a result, the cap blind rivet only has marginal hole filling capability. However this is necessary to be able to compensate large borehole tolerances.

## **Tight connections with care**

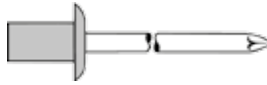
The above-mentioned technical situations make careful preparation of the application imperative. The hole diameter should be as tight as possible to ensure a flawless function in the application for a long period.

If the GESIPA® CAP® blind rivet is processed carefully, it forms the basis for a reliably „tight“ connection.



# GESIPA® CAP® – The closed end blind rivet

## Alu/steel standard



Rivet body: Aluminium alloy  
Mandrel: Steel, phosphate coated

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 mm	<b>3.2 x 6.5</b>	0.5 - 2.0	143 3423	A 500
	<b>3.2 x 8.0</b>	2.0 - 3.5	143 3424	"
	<b>3.2 x 9.5</b>	3.5 - 5.0	143 3425	"
	<b>3.2 x 10.5</b>	5.0 - 6.5	145 3876	"
	<b>3.2 x 12.5</b>	6.5 - 8.0	145 3877	"
<b>4</b> Hole Ø: 4.1 mm	<b>4 x 8.0</b>	0.5 - 3.5	143 3431	B 500
	<b>4 x 9.5</b>	3.5 - 5.0	143 3432	"
	<b>4 x 11.0</b>	5.0 - 6.5	143 3433	"
	<b>4 x 12.5</b>	6.5 - 8.0	143 3434	"
	<b>4 x 15.0</b>	8.0 - 11.0	145 3878	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole Ø: 4.9 mm  CE	<b>4.8 x 8.0</b>	1.0 - 3.5	143 3426	B 500
	<b>4.8 x 9.5</b>	3.5 - 5.0	143 3427	"
	<b>4.8 x 11.0</b>	5.0 - 6.5	143 3428	"
	<b>4.8 x 12.5</b>	6.5 - 8.0	143 3429	"
	<b>4.8 x 14.0</b>	8.0 - 9.5	143 3430	"
	<b>4.8 x 16.0</b>	9.5 - 11.0	145 3879	"
	<b>4.8 x 18.0</b>	11.0 - 13.0	143 3435	"
	<b>4.8 x 21.0</b>	13.0 - 16.0	143 3436	B 250

## Alu/stainless steel standard



Rivet body: Aluminium alloy  
Mandrel: Stainless steel

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 mm	<b>3.2 x 6.5</b>	0.5 - 2.0	143 3437	A 500
	<b>3.2 x 8.0</b>	2.0 - 3.5	143 3438	"
	<b>3.2 x 9.5</b>	3.5 - 5.0	143 3439	"
	<b>3.2 x 10.5</b>	5.0 - 6.5	143 3440	"
<b>4</b> Hole Ø: 4.1 mm	<b>3.2 x 12.5</b>	6.5 - 8.0	145 3890	"
	<b>4 x 8.0</b>	0.5 - 3.5	143 3441	B 500
	<b>4 x 9.5</b>	3.5 - 5.0	145 3891	"
	<b>4 x 11.0</b>	5.0 - 6.5	145 3892	"
	<b>4 x 12.5</b>	6.5 - 8.0	143 3442	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole Ø: 4.9 mm  CE	<b>4.8 x 8.0</b>	1.0 - 3.5	143 3443	B 500
	<b>4.8 x 9.5</b>	3.5 - 5.0	143 3444	"
	<b>4.8 x 11.0</b>	5.0 - 6.5	143 3445	"
	<b>4.8 x 12.5</b>	6.5 - 8.0	143 3446	"
	<b>4.8 x 14.0</b>	8.0 - 9.5	143 3447	"
	<b>4.8 x 16.0</b>	9.5 - 11.0	143 3448	"
	<b>4.8 x 18.0</b>	11.0 - 13.0	143 3449	"
	<b>4.8 x 21.0</b>	13.0 - 16.0	143 3450	B 250

Material surcharge will be added at a daily rate

The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 59.

# GESIPA® CAP® – The closed end blind rivet

## A2 stainless steel standard

Rivet body: Stainless Steel A2 – no. 1.4301  
Mandrel: Stainless Steel A1



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 mm	<b>3.2 x 6.0</b>	0.8 - 2.0	145 3899	A 500
	<b>3.2 x 8.0</b>	2.0 - 4.0	143 3452	"
	<b>3.2 x 10.0</b>	4.0 - 6.0	145 3900	"
	<b>3.2 x 12.0</b>	6.0 - 8.0	143 3453	"
<b>4</b> Hole Ø: 4.1 mm	<b>4 x 6.0</b>	0.8 - 1.5	145 3901	A 500
	<b>4 x 8.0</b>	1.5 - 3.5	143 3454	"
	<b>4 x 10.0</b>	3.5 - 5.5	145 3902	B 500
	<b>4 x 12.0</b>	5.5 - 7.5	143 3455	"
	<b>4 x 16.0</b>	7.5 - 11.5	145 3903	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole Ø: 4.9 mm	<b>4.8 x 8.0</b>	0.8 - 3.0	143 3456	B 500
	<b>4.8 x 10.0</b>	3.0 - 5.0	143 3457	"
	<b>4.8 x 12.0</b>	5.0 - 7.0	143 3458	"
	<b>4.8 x 16.0</b>	7.0 - 11.0	143 3459	"
	<b>4.8 x 20.0</b>	11.0 - 15.0	143 3460	B 250

Material surcharge will be added at a daily rate  
You have to expect limited jaw life.

## Copper/steel standard

Rivet body: Copper alloy  
Mandrel: Steel, lightly oiled



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 mm	<b>3.2 x 6.0</b>	0.5 - 1.5	145 3904	A 500
	<b>3.2 x 7.5</b>	1.5 - 3.0	145 3905	"
	<b>3.2 x 9.0</b>	3.0 - 4.5	145 3906	"
	<b>3.2 x 12.0</b>	4.5 - 8.0	145 3907*	"
<b>4</b> Hole Ø: 4.1 mm	<b>4 x 9.5</b>	1.0 - 4.5	145 3908	A 500
	<b>4 x 11</b>	4.5 - 6.0	145 0145*	B 500
	<b>4 x 12.5</b>	6.0 - 7.5	145 0146*	"
	<b>4 x 15</b>	7.0 - 10.5	145 0147*	"

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole Ø: 4.9 mm	<b>4.8 x 8</b>	0.5 - 1.5	145 0148*	B 500
	<b>4.8 x 9.5</b>	1.5 - 4.5	145 0149*	"
	<b>4.8 x 11.5</b>	3.5 - 6.5	145 3910*	B 500
	<b>4.8 x 13.0</b>	6.5 - 8.0	143 3461*	"
	<b>4.8 x 15.0</b>	8.0 - 9.5	145 3911*	"

\*Clearance – only while stocks last!

# GESIPA® CAP® – The closed end blind rivet

## Copper/stainless standard



Rivet body: Copper alloy  
Mandrel: Stainless steel

	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 mm	<b>3.2 x 6.0</b>	0.5 - 1.5	145 3913	A 500
	<b>3.2 x 7.5</b>	1.5 - 3.0	145 3914	"
	<b>3.2 x 9.0</b>	3.0 - 4.5	145 3915	"
<b>4</b> Hole Ø: 4.1 mm	<b>4 x 9.5</b>	1.5 - 4.5	145 0152	B 500
	<b>4 x 11</b>	4.5 - 6.0	145 0153	"
	<b>4 x 12.5</b>	6.0 - 7.5	145 0154	"
	<b>4 x 15</b>	7.5 - 10.5	145 0155	"
<b>4.8</b> Hole Ø: 4.9 mm	<b>4.8 x 8</b>	0.5 - 1.5	145 0156*	B 500
	<b>4.8 x 9.5</b>	1.5 - 4.5	145 0157*	"
	<b>4.8 x 11.5</b>	3.5 - 6.5	145 0158*	"
	<b>4.8 x 13</b>	6.5 - 8.0	145 0159*	"
	<b>4.8 x 15</b>	8.0 - 9.5	145 0160*	"

\*Clearance – only while stocks last!

Material surcharge will be added at a daily rate

### Chart shear and tensile strength

CAP® alu/steel and CAP® alu/stainless steel				
Rivet Ø	Shear strength	Tensile strength	Mandrel Ø	Max. head Ø
mm	N (kp)	N (kp)	mm	mm
<b>3.2</b>	<b>1,050</b> (107)	<b>1,250</b> (127)	1.7	6.5
<b>4.0</b>	<b>1,550</b> (158)	<b>2,100</b> (214)	2.2	8.5
<b>4.8</b>	<b>2,400</b> (245)	<b>3,500</b> (356)	2.7	10.0

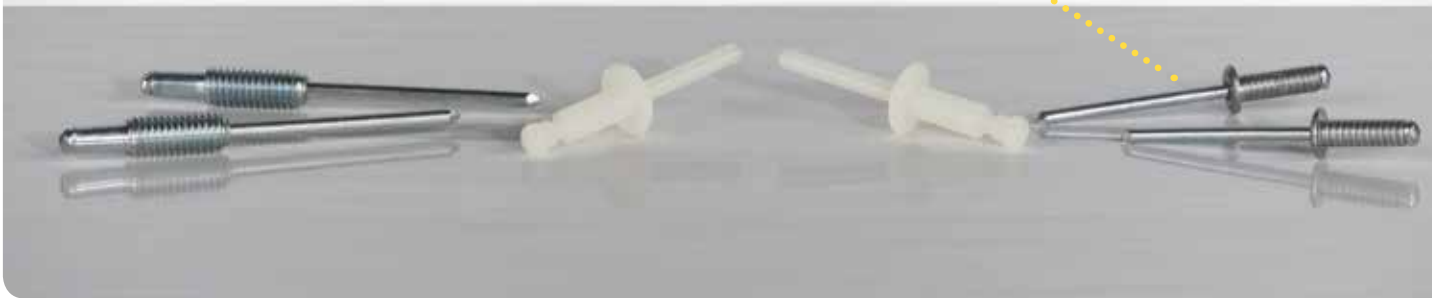
CAP®-A2 stainless steel				
Rivet Ø	Shear strength	Tensile strength	Mandrel Ø	Max. head Ø
mm	N (kp)	N (kp)	mm	mm
<b>3.2</b>	<b>1,900</b> (194)	<b>2,400</b> (245)	1.9	6.5
<b>4.0</b>	<b>2,900</b> (296)	<b>3,700</b> (377)	2.3	8.5
<b>4.8</b>	<b>4,300</b> (439)	<b>5,400</b> (551)	2.9	10.0

Test procedure according to DIN EN ISO 14589

CAP® copper/steel and CAP® copper/stainless steel				
Rivet Ø	Shear strength	Tensile strength	Mandrel Ø	Max. head Ø
mm	N (kp)	N (kp)	mm	mm
<b>3.2</b>	<b>1,000</b> (102)	<b>1,400</b> (143)	1.7	6.0
<b>4.0</b>	<b>1,500</b> (153)	<b>2,200</b> (224)	2.2	8.5
<b>4.8</b>	<b>2,100</b> (214)	<b>3,100</b> (316)	2.7	9.5

# Special blind rivets

## Special blind rivets for dedicated tasks



There are numerous applications that require the use of special blind rivets. For this reason GESIPA® has come up with some variations to meet these requirements.

**Grooved blind rivets** are suitable for riveting pocket holes in soft materials. They are used in the furniture industry, for interior construction, in the wood and plastics processing industry, in car body construction and lots more. Important: Before processing grooved blind rivets, the borehole diameter must be determined in trials and the minimum borehole depth must be observed.

**Peel blind rivets** are required if soft or porous parts such as wood, hard-fibre, fibreglass or plasterboards need to be joined together. In the setting process, the rivet mandrel falls out of the rivet body, and on the closing head side the rivet mandrel splits the rivet shaft into four parts. These then grip into the material. Typical application fields are the assembly of plastic and wooden elements, caravan constructions and the attachment of interior panels.

The blind rivet connection itself is a permanent connection. However to attach further detachable parts, GESIPA® has the **threaded blind rivet** in its range. The threaded blind rivet has a stud bolt with an M5 or M6 outer thread to which other parts can be attached using an additional nut. The GESIPA® blind rivet stud range is listed on page 221 for parts that need greater clamping forces.

The **GESIPA®-clamp profile blind rivet** are excellently suited to comply with defined clearances when mounting parts or to set stoppers in rails. Accordingly, this special rivet is also used in the white goods and furniture industry.

**Plastic rivets** are free from corrosion, do not conduct electricity and do not damage varnished surfaces. They can be processed quickly and easily using GESIPA® manual blind rivet tools and automated riveting tools. The plastic blind rivets can be found in many trade sectors and their versatility makes them an interesting choice for a wide range of application possibilities.



# Special blind rivets

## Grooved alu/steel standard

Rivet body: Aluminium alloy  
Mandrel: Steel, zinc-plated



(Dome head)

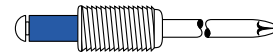
	Rivet body D <sub>1</sub> x L mm	max. thickness of material to be fixed mm	Part no.	Quantity per box
<b>3.2</b> Hole-Ø: 3.4 mm	<b>3.2 x 10</b>	6	145 4100	A 500
	<b>3.2 x 16</b>	12	145 4101	"
<b>4</b> Hole-Ø: 4.3 mm	<b>4 x 8</b>	4	145 4103	A 500
	<b>4 x 12</b>	8	145 4104	B 500
	<b>4 x 16</b>	12	145 4105	"

	Rivet body D <sub>1</sub> x L mm	max. thick- max. thickness of material to be fixed mm	Part no.	Quantity per box
<b>4.8</b> Hole-Ø: 5.1 mm	<b>4.8 x 10</b>	6	145 4108	B 500
	<b>4.8 x 14</b>	10	145 4110	B 250
	<b>4.8 x 18</b>	13	145 4102	"
	<b>4.8 x 25</b>	20	145 4114*	"

\*Clearance – only while stocks last!

## Threaded steel/steel

Rivet body: Steel, zinc-plated  
Mandrel: Steel, zinc-plated



Thread Hole Ø: 3.1 mm G x l mm	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>M 5 x 10</b>	<b>3 x 6</b>	0.5 - 3.0	145 5326	A 250
<b>M 5 x 15</b>	<b>3 x 9</b>	3.0 - 6.0	145 5327	"

Thread Hole Ø: 4.1 mm G x l mm	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>M 6 x 10</b>	<b>4 x 5</b>	1.0 - 2.0	145 5328	A 250
<b>M 6 x 15</b>	<b>4 x 8</b>	2.0 - 5.0	145 5329	"

## Plastic standard

Rivet body: Polyamide, PA 6.6  
Mandrel: Polyamide, PA 6.6



(Dome head)

	Rivet body D <sub>1</sub> x L mm	max. thick-ness of material to be fixed mm	Part no.	Quantity per box
<b>4</b> Hole Ø: 4.1 mm	<b>4 x 8</b>	0.5 - 5.0	145 5337	B 500
	<b>4 x 12</b>	5.0 - 9.0	145 5338	"
<b>5</b> Hole Ø: 5.1 mm	<b>5 x 8</b>	0.5 - 5.0	145 5339	B 500
	<b>5 x 12</b>	5.0 - 9.0	145 5340	"

	Rivet body D <sub>1</sub> x L mm	max. thick-ness of material to be fixed mm	Part no.	Quantity per box
<b>6</b> Hole Ø: 6.1 mm	<b>6 x 8</b>	0.5 - 5.0	145 5341	B 250
	<b>6 x 12</b>	5.0 - 9.0	145 5342	"

### Chart shear and tensile strength

Grooved Alu/Steel					
Rivet Ø mm	Shear strength N (kp)		Tensile strength N (kp)	Mandrel Ø mm	
<b>3.2</b>	<b>720</b>	(73)	<b>950</b>	(97)	1.95
<b>4</b>	<b>1,400</b>	(143)	<b>2,000</b>	(204)	2.1
<b>4.8</b>	<b>1,800</b>	(184)	<b>2,700</b>	(275)	2.7

Threaded Steel/steel		
Rivet Ø mm	Shear strength N (kp)	Mandrel Ø mm
<b>3</b>	<b>1,100</b> (112)	1.95
<b>4</b>	<b>2,000</b> (204)	2.5

Plastic		
Rivet Ø mm	Shear strength N (kp)	Mandrel Ø mm
<b>4</b>	<b>180</b> (18)	2.5
<b>5</b>	<b>290</b> (30)	3.0
<b>6</b>	<b>440</b> (45)	3.5

Test procedure according to DIN EN ISO 14589



# Special blind rivets

## Peel alu/steel standard

Rivet body: Aluminium alloy  
Mandrel: Steel, zinc-plated



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.6 mm	<b>3.2 x 10</b>	2.5 - 5.0	145 5496	A 500
	<b>3.2 x 12</b>	4.5 - 7.0	143 3748	"
	<b>3.2 x 16</b>	6.5 - 11.0	145 5497	"
<b>4</b> Hole Ø: 4.4 mm	<b>4 x 8</b>	1.0 - 3.0	145 5490	A 500
	<b>4 x 10</b>	2.5 - 5.0	145 5494	B 500
	<b>4 x 12</b>	4.5 - 6.5	145 5491	"
	<b>4 x 14</b>	6.0 - 8.0	145 5492	"
	<b>4 x 16</b>	7.5 - 10.0	143 3740	"
	<b>4 x 18</b>	9.0 - 12.0	143 3741	"
	<b>4 x 20</b>	11.5 - 14.0	145 5493	"

	Rivet body D1 x L mm	Grip range in mm	Part no.	Quantity per box
<b>4.8</b> Hole Ø: 5.2 mm	<b>4.8 x 10</b>	2.5 - 5.0	143 3747	B 500
	<b>4.8 x 12</b>	4.5 - 7.0	143 3742	"
	<b>4.8 x 14</b>	6.5 - 9.0	143 3743	B 250
	<b>4.8 x 16</b>	8.5 - 10.0	143 3744	"
	<b>4.8 x 18</b>	9.5 - 12.0	143 3746	"
	<b>4.8 x 20</b>	11.5 - 14.0	143 3745	"
	<b>4.8 x 25</b>	13.5 - 19.0	143 3749	"

### Chart shear strength

Peel alu/steel			
Rivet Ø mm	Shear strength N (kp)	Mandrel- Ø mm	Max. head Ø mm
<b>3.2</b>	<b>700</b> (81)	1.95	6.5
<b>4</b>	<b>1,200</b> (143)	2.1	8.0
<b>4.8</b>	<b>1,700</b> (204)	2.7	9.5

Test procedure according to DIN EN ISO 14589

## Profile clinching rivets alu/steel

Rivet body: Aluminium alloy  
Mandrel: Steel, zinc-plated

Profile Type Hole Ø: 3.1 mm	Rivet body Ø x L mm	Grip range in mm	Part no.	Quantity per box
<b>HA</b>	<b>3 x 5</b>	1.0 - 2.5	145 3916	A 500
<b>HA</b>	<b>3 x 7</b>	2.5 - 4.5	145 3917*	"
<b>HB</b>	<b>3 x 5</b>	1.0 - 2.5	145 3918	A 500
<b>HB</b>	<b>3 x 7</b>	2.5 - 4.5	145 3919	"
<b>W</b>	<b>3 x 5</b>	1.0 - 2.5	145 3920	A 500
<b>A</b>	<b>4 x 7</b>	1.0 - 4.0	145 3921	B 500
<b>BR</b>	<b>4 x 7</b>	1.0 - 4.0	145 3922	"
<b>C</b>	<b>4 x 7</b>	1.0 - 4.0	145 3923	"
<b>KF</b>	<b>4 x 7</b>	1.0 - 4.0	145 3924*	"

### Chart shear strength

Profile clinching alu/steel		
Rivet Ø mm	Shear strength N (kp)	Mandrel Ø mm
<b>3</b>	<b>450</b> (46)	1.8
<b>4</b>	<b>850</b> (87)	2.1

Test procedure according to DIN EN ISO 14589

\*Clearance – only while stocks last!



TYP HA



TYP HB



TYP W



TYP A



TYP BR



TYP C



TYP KF

# G-Bulb blind rivets

**G-Bulb – high strength blind rivets – in carbon steel and stainless steel**



## G-Bulb blind rivet

GESIPA® has developed a new range of high strength structural blind rivets called G-Bulb with diameters of 4.8 and 6.4 mm in steel and A2 stainless steel, to fit grip ranges from 1.5 up to 15.5 mm.

The G-Bulb rivet features a wide grip range, together with high shear and tensile strengths generated by the rivet function, the formation of a large closing head and the mechanical lock of the rest mandrel in the rivet body.

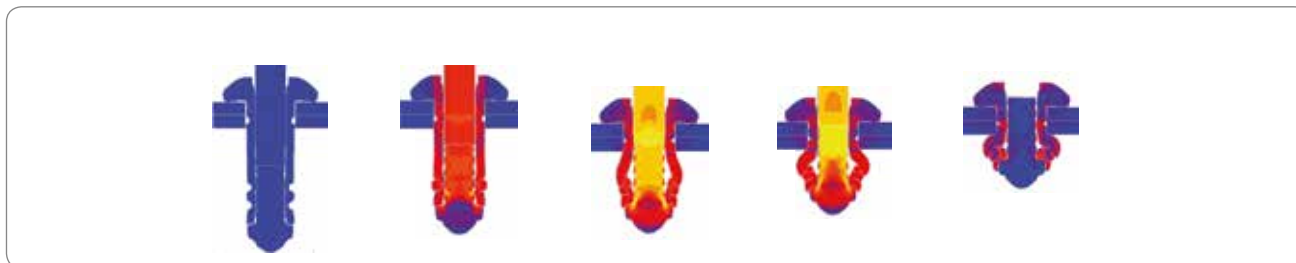
In combination with the patented function crimping on the rivet body, the G-Bulb provides tight and sealed joints in a large variation of hole sizes.

The G-Bulb rivet generates a large closing head which transfers high strain and clamping load to the application. With a mandrel breakload of max. 16 kN, the G-Bulb rivets can be installed with standard tooling.



# G-Bulb – high strength blind rivets

## The setting process



### Main features

- Excellent hole filling capability
- High clamping force
- Excellent tensile strength through large closing head
- Excellent shear strength through mandrel locking
- Processing with standard setting tools
- Process control compatible with the TAURUS® C
- RoHS compliant

### Materials

Rivet body: Steel, zinc plated CrVI-free, or stainless steel A2 no. 1.4567, Mandrel: Steel, zinc plated CrVI-free, or stainless steel A2 no. 1.4541  
Other surface treatments on request





## Steel/steel

### Dome head

Rivet body: Steel, zinc-plated  
Mandrel: Steel, zinc-plated



	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> 	<b>4.8 x 10</b>	1.5 - 3.5	143 3925	B 500
	<b>4.8 x 13</b>	3.5 - 6.0	143 3926	"
	<b>4.8 x 15</b>	6.0 - 8.0	143 3927	"
<b>6.4</b>	<b>6.4 x 13</b>	2.0 - 4.5	143 3928	B 250
	<b>6.4 x 17</b>	4.5 - 7.0	143 3929	"
	<b>6.4 x 20</b>	7.0 - 10.5	143 3930	B 200
	<b>6.4 x 23</b>	10.5 - 13.0	143 3931	B 150
	<b>6.4 x 25</b>	13.0 - 15.5	143 3932	"

Further dimensions and surface treatments on request

# G-Bulb – high strength blind rivets

## A2 stainless steel *Dome head*

Rivet body: Stainless steel A2 –no. 1.4567  
Mandrel: Stainless steel A2



	Rivet body D1 x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> $\text{C}\epsilon$ Hole- $\varnothing$ : 5.0 - 5.2 mm	<b>4.8 x 10</b>	1.5 - 3.5	145 6426	B 500
	<b>4.8 x 13</b>	3.5 - 5.5	145 6427	"
	<b>4.8 x 15</b>	5.5 - 7.5	143 3936	"
<b>6.4</b> Hole- $\varnothing$ : 6,7 - 6,9 mm $\text{C}\epsilon$	<b>6.4 x 13</b>	2.0 - 4.0	143 3937	B 250
	<b>6.4 x 15</b>	4.0 - 6.0	143 3938	"
	<b>6.4 x 17</b>	6.0 - 8.0	143 3939	"
	<b>6.4 x 20</b>	8.0 - 10.5	143 3940	B 200
	<b>6.4 x 23</b>	10.5 - 12.5	143 3941	B 150
	<b>6.4 x 25</b>	12.5 - 14.5	143 3942	B 150

Material surcharge will be added at a daily rate

**Further dimensions and surface treatments on request**

### Chart shear and tensile strength

G-Bulb steel/steel				
Rivet $\varnothing$ mm	Shear strength N (kp)	Tensile strength N (kp)	Mandrel $\varnothing$ mm	Max. head $\varnothing$ mm
<b>4.8 x 10</b>	<b>3,600</b> (367)	<b>3,500</b> (357)	3.2	9.5
<b>4.8 x 13</b>	<b>4,000</b> (408)	<b>3,500</b> (357)	3.2	9.5
<b>4.8 x 15</b>	<b>5,600</b> (571)	<b>3,500</b> (357)	3.2	9.5
<b>6.4 x 13</b>	<b>8,500</b> (867)	<b>8,000</b> (816)	4.25	13.0
<b>6.4 x 17</b>	<b>10,000</b> (1,019)	<b>8,000</b> (816)	4.25	13.0
<b>6.4 x 20</b>	<b>11,000</b> (1,120)	<b>8,000</b> (816)	4.25	13.0
<b>6.4 x 23</b>	<b>11,000</b> (1,120)	<b>8,000</b> (816)	4.25	13.0
<b>6.4 x 25</b>	<b>11,000</b> (1,120)	<b>8,000</b> (816)	4.25	13.0

G-Bulb A2 stainless steel				
Rivet $\varnothing$ mm	Shear strength N (kp)	Tensile strength N (kp)	Mandrel $\varnothing$ mm	Max. head $\varnothing$ mm
<b>4.8 x 10</b>	<b>4,400</b> (431)	<b>5,400</b> (550)	3.2	9.5
<b>4.8 x 13</b>	<b>4,550</b> (446)	<b>5,400</b> (550)	3.2	9.5
<b>4.8 x 15</b>	<b>4,700</b> (461)	<b>5,400</b> (550)	3.2	9.5
<b>6.4 x 13</b>	<b>8,000</b> (816)	<b>8,800</b> (897)	4.25	13.0
<b>6.4 x 15</b>	<b>10,000</b> (1.019)	<b>8,800</b> (897)	4.25	13.0
<b>6.4 x 17</b>	<b>10,000</b> (1.019)	<b>8,800</b> (897)	4.25	13.0
<b>6.4 x 20</b>	<b>11,000</b> (1.120)	<b>8,800</b> (897)	4.25	13.0
<b>6.4 x 23</b>	<b>11,000</b> (1.120)	<b>8,800</b> (897)	4.25	13.0
<b>6.4 x 25</b>	<b>11,000</b> (1.120)	<b>8,800</b> (897)	4.25	13.0

Test procedure according to DIN EN ISO 14589

# PolyBulb® blind rivets

Large disc-shaped bulb formation – perfect for sensitive applications with both soft and brittle materials.



## Disc-shaped closing head

This practical closing head shape evenly distributes the contact pressure over the component, making it the perfect joining element for riveting both soft and brittle components such as plastics and composite materials. The PolyBulb® blind rivet leaves an aesthetic setting appearance.



## Large grip range

A PolyBulb® blind rivet replaces up to 3 conventional blind rivets, thus reducing parts diversity. Combining several dimensions saves handling and storage costs while additionally reducing the risk of mix-up at the workplace and subsequent quality problems.

## Controlled hole filling

With hole filling capabilities adapted to requirements, the PolyBulb® blind rivet provided an optimum joint.

## Advantages

- Large grip range
- **Disc-shaped** closing head with large closing head  $\varnothing$
- Aesthetic setting appearance, only one distinct closing head
- High tensile strength and detachment force (especially with plastic joining material)
- Controlled hole filling
- Excellent grip properties
- Locked mandrel
- Non-rattling
- Process control capabilities



# PolyBulb® blind rivets

## Alu/steel Dome head

Rivet body: Aluminium alloy  
Mandrel: Steel, zinc-plated

	Rivet body D <sub>1</sub> x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 mm - 5.1 mm	<b>4.8 x 11</b>	1.5 - 6.0 *	145 0473	B 500
	<b>4.8 x 16</b>	6.0 - 10.0 *	145 0474	B 500

### Chart shear and tensile strength

alu/steel				
Rivet Ø mm	Shear strength N (kp)	Tensile strength N (kp)	Mandrel Ø mm	Max. head Ø mm
<b>4.8 x 11</b>	<b>1,450</b> (148)	<b>1,900</b> (194)	~3.0	10.0
<b>4.8 x 16</b>				

\*Reference value that changes depending on the hole diameter and the material to be riveted.

# MEGA GRIP® blind rivets

**GESIPA®-MEGA GRIP® –  
High strength blind rivets  
with large grip range and  
optimal cost effectiveness**



## **MEGA GRIP® blind rivets – Perfect efficiency**

The GESIPA® MEGA GRIP® is a high strength structure blind rivet with a very large grip range. The variable grip range allows efficient use and, owing to the merging of up to five blind rivet lengths into one MEGA GRIP® dimension, reduces the handling costs.

## **MEGA GRIP® blind rivets – The setting process**

During the setting process, the hollow mandrel head presses the rivet body with great force against the rivet hole. The radial deformation here ensures that an above-average, large clamping area is covered. The stable position of the rivet mandrel throughout the entire setting process guarantees compliance with the high shear force through double locking. The excellent hole filling capability also protect ideally against splash-water.

## **MEGA GRIP® blind rivets – Standard or special production?**

The GESIPA® MEGA GRIP® is available in a flat Round head or recessed head form and comes in the material combinations alu/alu or steel/steel as standard. Supplied in large or small packages, the MEGA GRIP® is always available in the quantity required. We can supply special dimensions on request.

## **The advantages**

- Perfectly splash proof
- Efficient use with large grip range coverage
- High shear strength due to double rest mandrel locking
- Outstanding hole filling capability
- Flush removal on the setting head without sharp edges.

**Please note that to achieve the best possible values from the GESIPA®-MEGA GRIP®, use of special tools/nosepieces is required.**

**MEGA GRIP® blind rivets are available in small packs, too!**

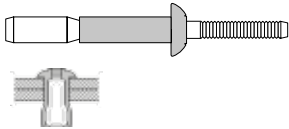


# MEGA GRIP® blind rivets

## Alu/alu

### Dome head

Rivet body: Aluminium alloy  
Mandrel: Aluminium alloy

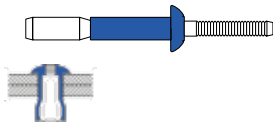


	Rivet body D1 x L mm	Grip range mm	Type	Part no. bulk pack	Quantity per box	Part no. small pack	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 - 5.2 mm	<b>4.8 x 10.0</b>	1.6 - 6.4	<b>RV6900-6-4</b>	143 3805	5,000	143 3808	B500
	<b>4.8 x 14.0</b>	1.6 - 11.1	<b>RV6900-6-7</b>	145 5654	3,000	143 3809	B250
<b>6.4</b> Hole-Ø: 6.6 - 6.9 mm	<b>6.4 x 14.1</b>	2.0 - 9.5	<b>RV6900-8-6</b>	143 3806	2,000	143 3810	B200
	<b>6.4 x 20.5</b>	2.0 - 15.9	<b>RV6900-8-10XG</b>	143 3807	1,500	143 3811	B100

## Steel/steel

### Dome head

Rivet body: Steel, zinc-plate  
Mandrel: Steel, zinc-plated

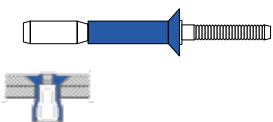


	Rivet body D1 x L mm	Grip range mm	Type	Part no. bulk pack	Quantity per box	Part no. small pack	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 - 5.2 mm	<b>4.8 x 10.0</b>	1.6 - 6.4	<b>RV6977-6-4</b>	143 3812	5,000	143 3816	B500
	<b>4.8 x 14.0</b>	1.6 - 11.1	<b>RV6977-6-7</b>	145 5657	3,000	143 3817	B250
<b>6.4</b> Hole-Ø: 6.6 - 6.9 mm	<b>6.4 x 14.1</b>	2.0 - 9.5	<b>RV6977-8-6</b>	143 3813	2,000	145 5663	B200
	<b>6.4 x 19.6</b>	2.0 - 15.9	<b>RV6977-8-10XG</b>	143 3814	1,500	143 3818	B100

## Steel/steel

### Countersunk

Rivet body: Steel, zinc-plated  
Mandrel: Steel, zinc-plated



	Rivet body D1 x L mm	Grip range mm	Type	Part no. bulk pack	Quantity per box	Part no. small pack	Quantity per box
<b>4.8</b> Hole-Ø: 4.9 - 5.2 mm	<b>4.8 x 10.0</b>	2.6 - 6.4	<b>RV6177-6-5</b>	145 5658	3,500	145 5660	B250
	<b>4.8 x 14.0</b>	5.5 - 11.1	<b>RV6177-6-8</b>	145 5659	2,500	145 5661	B250
<b>6.4</b> Hole-Ø: 6.6 - 6.9 mm	<b>6.4 x 15.8</b>	3.0 - 11.1	<b>RV6177-8-7</b>	143 3815	2,000	145 5662	B200

### Chart shear and tensile strength

MEGA GRIP® Alu/alu						
Rivet Ø mm	Shear strength		Tensile strength		Mandrel-Ø mm	Max. head Ø mm
	N	(kp)	N	(kp)		
<b>4.8</b>	<b>3,330</b>	(340)	<b>2,400</b>	(245)	2.95	9.5
<b>6.4</b>	<b>5,910</b>	(600)	<b>4,450</b>	(450)	3.9	12.7

MEGA GRIP® Steel/steel						
Rivet Ø mm	Shear strength		Tensile strength		Mandrel-Ø mm	Max. head Ø mm
	N	(kp)	N	(kp)		
<b>4.8</b>	<b>6,850</b>	(700)	<b>4,500</b>	(460)	2.95	9.5
<b>6.4</b>	<b>12,500</b>	(1.275)	<b>8,200</b>	(835)	3.9	12.7

Test procedure according to DIN EN ISO 14589



# BULB-TITE® blind rivets

**Strong in demanding applications requiring perfect clamp force and weatherproofness**



Originally designed for the construction industry, the GESIPA®-BULB-TITE® rivets have proven their worth in many other application fields thanks to their multifunctional properties. The majority of the BULB-TITE® program has been approved by the „Deutsches Institut für Bau-technik“ in Berlin thereby guaranteeing extra security when used in steel constructions or on facades.

## **BULB-TITE® blind rivets – Powerful wherever used**

Thanks to the shear zone overlap of the BULB-TITE®-rivet mandrel in the application, permanent and very high shear forces can be achieved.

## **BULB-TITE® blind rivets – Weather resistance**

The use of a special nose-piece when processing the BULB-TITE®-rivet locks the mandrel into the sealing part on the setting head side to prevent dirt and/or damp penetrating the application. The sealing washer, which is available as an optional accessory, offers added protection against wet and damp below the closing head.

## **BULB-TITE® blind rivets – Excellent clamping force**

The three large pressure plates distribute the clamping forces evenly across a large area of the surface so that even soft, thin, supple or brittle materials can be riveted safely without destroying or damaging the surface.

## **BULB-TITE® blind rivets – Complex applications**

BULB-TITE®- rivets also guarantee a safe function where other rivets have already given up. The three plates of the closing head adapt and form to fit even curved application surfaces so that safe riveting is possible even on pipes, beads and other unusually formed applications.

**Please note that to achieve the best possible values from the GESIPA®-BULB-TITE®, use of special tools/nosepieces is required.**

**BULB-TITE® blind rivets are available in small packs, too!**



# BULB-TITE® blind rivets

## BULB-TITE® blind rivets – Multi-Grip

GESIPA®-BULB-TITE® rivets cover larger clamping ranges. Less dimensions are required thereby reducing handling and warehouse costs.

## BULB-TITE® blind rivets – Application areas

Facades, shipbuilding, containers, truck and passenger busses production, trailers, trapezoidal sheet metal roof

## BULB-TITE® blind rivets – The advantages

- Large grip range
- Vibration-proof
- Use on straight and curved application parts
- Waterproof with neoprene sealing washer
- Large distribution of the grip force over a large surface

## Alu/alu Dome head

Rivet body: Aluminium alloy  
Mandrel: Aluminium alloy



	Rivet body D, x L mm	Grip range mm	Type	Part no. bulk pack	Quantity per box	Part no. small pack	Quantity per box
<b>4</b> Hole Ø: 4.1 - 4.2 mm	<b>4 x 25.1</b>	6.4 - 12.7	<b>RV 6604-5-8</b>	145 5570*	3.500	-	-
<b>5.2</b> Hole Ø: 5.3 - 5.5 mm	<b>5.2 x 17.5</b>	1.3 - 4.8	<b>RV 6604-6-3</b>	145 5571*	3,000	-	B 250
	<b>5.2 x 19.1</b>	1.6 - 6.4	<b>RV 6604-6-4</b>	145 5572	"	145 5606	"
	<b>5.2 x 22.2</b>	4.7 - 9.5	<b>RV 6604-6-6</b>	145 5573*	"	145 5607*	"
	<b>5.2 x 31.8</b>	14.3 - 19.1	<b>RV 6604-6-12</b>	145 5576*	"	145 5610*	B 200
	<b>5.2 x 34.9</b>	17.4 - 22.2	<b>RV 6604-6-14</b>	145 5577*	1,500	145 5611*	B 150
	<b>5.2 x 38.1</b>	20.6 - 25.4	<b>RV 6604-6-16</b>	145 5578*	"	145 5612*	"
with EPDM washer <b>CE</b>	<b>5.2 x 41.3</b>	23.8 - 28.6	<b>RV 6604-6-18</b>	145 5579*	"	145 5613*	"
	<b>5.2 x 17.5</b>	0.5 - 4.8	<b>RV 6604-6-3 W</b>	143 3799	3,000	145 5620	B 250
	<b>5.2 x 19.1</b>	1.6 - 6.4	<b>RV 6604-6-4 W</b>	145 5586	"	145 5621	"
	<b>5.2 x 22.2</b>	4.7 - 9.5	<b>RV 6604-6-6 W</b>	145 5587	"	145 5622	"
	<b>5.2 x 25.4</b>	7.9 - 12.7	<b>RV 6604-6-8 W</b>	145 5588	"	145 5623	"
	<b>5.2 x 31.8</b>	14.3 - 19.1	<b>RV 6604-6-12 W</b>	-	"	145 5625*	"
	<b>5.2 x 34.9</b>	17.4 - 22.2	<b>RV 6604-6-14 W</b>	145 5590*	1,500	145 5626*	B 150
	<b>5.2 x 38.1</b>	20.6 - 25.4	<b>RV 6604-6-16 W</b>	145 5591*	"	145 5627*	"
<b>5.2 x 41.3</b>	23.8 - 28.6	<b>RV 6604-6-18 W</b>	145 5592*	"	145 5628*	"	

\*Clearance – only while stocks last!



The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 73.

# BULB-TITE® blind rivets

## Alu/alu Dome head

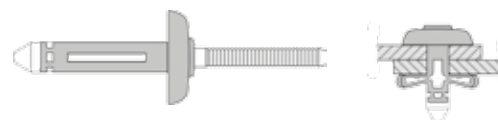
Rivet body: Aluminium alloy  
Mandrel: Aluminium alloy




	Rivet body D1 x L mm	Grip range mm	Type	Part no. bulk pack	Quantity per box	Part no. small pack	Quantity per box
<b>6.3</b> Hole Ø: 6.4 - 6.6 mm	<b>6.3 x 23.4</b>	3.2 - 9.5	<b>RV 6604-8-6</b>	-	-	145 5615*	B 200
	<b>6.3 x 26.5</b>	6.4 - 12.7	<b>RV 6604-8-8</b>	145 5582*	2.000	145 5616	"
	<b>6.3 x 29.7</b>	9.5 - 15.9	<b>RV 6604-8-10</b>	145 5583*	1.500	145 5617*	B 150
<b>6.3</b>  Hole Ø: 6.4 - 6.6 mm with EPDM washer	<b>6.3 x 20.2</b>	1.6 - 6.4	<b>RV 6604-8-4 W</b>	145 5593	2.000	145 5629	B 200
	<b>6.3 x 23.4</b>	3.2 - 9.5	<b>RV 6604-8-6 W</b>	145 5594	"	145 5630	"
	<b>6.3 x 29.7</b>	9.5 - 15.9	<b>RV 6604-8-10 W</b>	145 5596*	1.500	145 5631*	B 150
<b>7,7</b>  Hole Ø: 7.8 - 8,2 mm with EPDM washer	<b>7.7 x 27.7</b>	1.0 - 9.5	<b>RV 6603-9-6 W</b>	145 5597	"	145 5632	"

## Alu/alu Large flange

Rivet body: Aluminium alloy  
Mandrel: Aluminium alloy



	Rivet body D1 x L mm	Grip range mm	Type	Part no. bulk pack	Quantity per box	Part no. small pack	Quantity per box
<b>7.7 - K19</b> Hole Ø: 7.8 - 8.2 mm with EPDM washer 	<b>7.7 x 27.7</b>	1.1 - 9.5	<b>RV 6605-9-6 W</b>	143 3801	1,000	145 5633	B 100
	<b>7.7 x 34.0</b>	6.4 - 15.9	<b>RV 6605-9-10 W</b>	146 4000	1,000	145 5634	B 100

## Steel/steel Round head

Rivet body: Steel, zinc-plated  
Mandrel: Steel, zinc-plated



	Rivet body D <sub>1</sub> x L mm	Grip range mm	Type	Part no. bulk pack	Quantity per box	Part no. small pack	Quantity per box
<b>6.3</b> Hole Ø: 6.4 - 6.6 mm	<b>6.3 x 20.2</b>	1.0 - 6.4	<b>RV6676-8-4</b>	145 5641*	1,500	145 5649*	B 100
	<b>6.3 x 23.4</b>	3.2 - 9.5	<b>RV6676-8-6</b>	145 5642*	"	145 5650*	"

\*Clearance – only while stocks last!

# BULB-TITE® blind rivets

## Steel/steel Dome head

Rivet body: Steel, zinc-plated  
Mandrel: Steel, zinc-plated



	Rivet body D, x L mm	Grip range mm	Type	Part no. bulk pack	Quantity per box	Part no. small pack	Quantity per box
<b>5.2</b> Hole Ø: 5.3 - 5.5 mm	<b>5.2 x 19.1</b>	1.6 - 6.3	<b>RV 6674-06-04</b>	-	-	145 5643*	B 150
with EPDM washer	<b>5.2 x 19.1</b>	1.6 - 6.3	<b>RV 6674-06-04 W</b>	144 6464	A 1.500	145 5645	"
	<b>5.2 x 22.3</b>	4.8 - 9.5	<b>RV 6674-06-06 W</b>	144 6465	"	145 5646	"
	<b>5.2 x 25.4</b>	7.9 - 12.7	<b>RV 6674-06-08 W</b>	145 0399	"	144 6468	"
	<b>5.2 x 28.6</b>	11.1 - 15.8	<b>RV 6674-06-10 W</b>	144 6466	"	144 6469	"
	<b>5.2 x 31.8</b>	14.3 - 19.0	<b>RV 6674-06-12 W</b>	144 6467	"	145 5647	"

\*Clearance – only while stocks last!


## Monel®/stainless steel

Round head



Rivet body: Monel®  
Mandrel: Stainless steel



	Rivet body D, x L mm	Grip range mm	Type	Part no. bulk pack	Quantity per box	Part no. small pack	Quantity per box
<b>6.3</b>  Hole-Ø: 6.4 - 6.6 mm	<b>6.3 x 20.2</b>	1.0 - 6.4	<b>RV6696-8-4</b>	143 3804*	1,500	145 5651*	B 100

\*Clearance – only while stocks last!

Material surcharge will be added at a daily rate

### Chart shear and tensile strength

BULB-TITE® alu/alu						
Rivet Ø mm	Shear strength N	(kp)	Tensile strength N	(kp)	Mandrel Ø mm	Max. head Ø mm
<b>4</b>	<b>2,000</b>	(210)	<b>1,050</b>	(110)	2.4	9.0
<b>5.2</b>	<b>2,700</b>	(284)	<b>1,950</b>	(198)	2.9	11.7
<b>6.3</b>	<b>4,200</b>	(500)	<b>2,500</b>	(305)	3.9	14.5
<b>7.7</b>	<b>6,650</b>	(680)	<b>4,850</b>	(500)	4.5	15.9
<b>7.7 K19</b>	<b>6,650</b>	(680)	<b>4,850</b>	(500)	4.5	19.3

BULB-TITE® steel/steel						
Rivet Ø mm	Shear strength N	(kp)	Tensile strength N	(kp)	Mandrel Ø mm	Max. head Ø mm
<b>5.2</b>	<b>3,890</b>	(396)	<b>2,890</b>	(294)	3.0	11.7
<b>6.3</b>	<b>5,550</b>	(565)	<b>4,200</b>	(428)	3.9	14.5

Monel®/stainless steel						
Rivet Ø mm	Shear strength N	(kp)	Tensile strength N	(kp)	Mandrel Ø mm	Max. head Ø mm
<b>6.3</b>	<b>8,220</b>	(565)	<b>6,470</b>	(428)	3.9	14

**BULB-TITE® blind rivets are available in small packs, too!**

# TRI-FOLD® folding type blind rivets

TRI-FOLD® folding Type blind rivets – for soft and porous application materials



## The function

The GESIPA® TRI-FOLD® blind rivet forms three press lashes on the closing head side during setting.

## The advantages

The large moulded lashes distribute the exerted clamping force evenly and gently onto the riveted material. Also, the large surface of the lashes offer excellent protection against the rivet being pulled through very soft, porous or brittle application parts.

Thanks to its special design, the TRI-FOLD® is also able to compensate over-dimensional or irregular drill hole diameters.

## Application areas

TRI-FOLD® blind rivets are excellently suited for the automotive field, e.g. for plastic panelling, car body parts and for the interior work inside vehicles, but also for all other applications that are particularly soft, brittle, easily deformed or porous.

## Alu / alu

### Dome head

Rivet body: Aluminium alloy  
Mandrel: Aluminium alloy



	Rivet body D, x L mm	Grip range mm	Type	Part no.	Quantity per box
<b>4.1</b> Hole Ø: 4.2 mm	<b>4.1 x 21.1</b>	1.0 - 9.5	GAMD56ATF	143 3820*	B 500
	<b>4.1 x 24.3</b>	3.2 - 12.7	GAMD58ATF	145 5667*	B 500
<b>4.8</b> Hole Ø: 4.9 mm	<b>4.8 x 19.0</b>	1.6 - 6.3	GAMD64ATF	143 3821	B 250
	<b>4.8 x 22.2</b>	4.7 - 9.5	GAMD66ATF	145 5668	B 250
	<b>4.8 x 25.4</b>	7.9 - 12.7	GAMD68ATF	145 5669	B 250
	<b>4.8 x 28.5</b>	11.1 - 15.9	GAMD610ATF	145 5670*	B 250
	<b>4.8 x 31.7</b>	14.2 - 19.0	GAMD612ATF	145 5671*	A 100

\*Clearance – only while stocks last!

## Chart shear and tensile strength

TRI-FOLD® alu/alu				
Rivet Ø mm	Shear strength N (kp)	Tensile strength N (kp)	Mandrel Ø mm	Max. head Ø mm
<b>4.1</b>	<b>650</b> (66)	<b>850</b> (87)	2.4	8.2
<b>4.8</b>	<b>1,100</b> (112)	<b>1,400</b> (143)	2.9	10.1

Test procedure according to DIN EN ISO 14589

# Solid Riveting

**Solid and semitubular rivets as the more light-weight and cost-effective alternative to screws/nuts for strong and quality connections**



## Solid and semitubular rivets

GESIPA® Solid Riveting develops and produces solid and semitubular rivets. These joining elements are a technical and efficient alternative to screw connections or other joining systems. Different dimensions, materials and head shapes cover a wide range of applications. Ideas backed by 60 years of experience – GESIPA® as a development partner provides technical advice and finds the most cost effective joining solution for your application.

## Main features

- Reduced overall costs compared to screw connections
- No relative movements, e.g. hole filling capabilities
- Permanent connection
- High endurance strength
- Corrosion protection with our own Sherard or SheraBlack® process\*

Example of slot riveting with optimum filling.



## Advantages

Application-related consultation accompanied by in-house tests make the "solid rivets" fully definable so that they can be adapted to any application with our rivet specification:

- Shear force
- Tensile force
- Grip force
- Corrosion resistance: unriveted and riveted

\*Standard Sherard and SheraBlack® are internal corrosion protection processes. In a diffusion galvanisation process, a corrosion-resistant iron-zinc coating is applied and is suitable for all grades of cast iron and steel.

This process provides the following benefits:

- No hydrogen embrittlement
- Outstanding wear resistance
- Temperature resistance up to 600 °C
- Uniform layer thickness distribution
- Good paintability
- Free of Cr-VI
- Bulb surface not damaged during riveting process
- 720 h DIN EN ISO 9277 NSS/2 cycles DIN 50018 KFW 2.0 S
- After riveting: 168 (720) h DIN EN ISO 9277 NSS
- Black surface