

# GESIPA® 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 Bautechnik“ 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 nosepiece 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.



# GESIPA®-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

## BULB-TITE® alu/alu

Rivet body: Alu AlMg 5  
Mandrel: Alu AlCuMg 1



	Rivet body D, x L mm	Grip range mm	Typ	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 20,3</b>	1,5 - 6,4	<b>RV 6604-5-4</b>	<b>660 0018</b>	3.500	<b>660 3019</b>	B 250
	<b>4 x 25,1</b>	6,4 - 12,7	<b>RV 6604-5-8</b>	<b>660 0026</b>	"	<b>660 3027</b>	"
	with EPDM seal disc <b>4 x 20,3</b>	1,5 - 6,4	<b>RV 6604-5-4 W</b>	<b>660 0514</b>	"	<b>660 3515</b>	"
<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>	<b>660 0115</b>	3.000	<b>660 3116</b>	B 250
	<b>5,2 x 19,1</b>	1,6 - 6,4	<b>RV 6604-6-4</b>	<b>660 0123</b>	"	<b>660 3124</b>	"
	<b>5,2 x 22,2</b>	4,7 - 9,5	<b>RV 6604-6-6</b>	<b>660 0131</b>	"	<b>660 3132</b>	"
	<b>5,2 x 25,4</b>	7,9 - 12,7	<b>RV 6604-6-8</b>	<b>660 0158</b>	"	<b>660 3159</b>	"
	<b>5,2 x 28,6</b>	11,1 - 15,9	<b>RV 6604-6-10</b>	<b>660 0166</b>	2.000	<b>660 3167</b>	B 200
	<b>5,2 x 31,8</b>	14,3 - 19,1	<b>RV 6604-6-12</b>	<b>660 0174</b>	"	<b>660 3175</b>	B 200
	<b>5,2 x 34,9</b>	17,4 - 22,2	<b>RV 6604-6-14</b>	<b>660 0184</b>	1.500	<b>660 3185</b>	B 150
	<b>5,2 x 38,1</b>	20,6 - 25,4	<b>RV 6604-6-16</b>	<b>660 0196</b>	"	<b>660 3197</b>	"
	<b>5,2 x 41,3</b>	23,8 - 28,6	<b>RV 6604-6-18</b>	<b>660 0199</b>	"	<b>660 3198</b>	"
	with EPDM seal disc CE Ü	<b>5,2 x 17,5</b>	0,5 - 4,8	<b>RV 6604-6-3 W</b>	<b>660 0603</b>	3.000	<b>660 3604</b>
<b>5,2 x 19,1</b>	1,6 - 6,4	<b>RV 6604-6-4 W</b>	<b>660 0611</b>	"	<b>660 3612</b>	"	
<b>5,2 x 22,2</b>	4,7 - 9,5	<b>RV 6604-6-6 W</b>	<b>660 0638</b>	"	<b>660 3639</b>	"	
<b>5,2 x 25,4</b>	7,9 - 12,7	<b>RV 6604-6-8 W</b>	<b>660 0646</b>	"	<b>660 3647</b>	"	
<b>5,2 x 28,6</b>	11,1 - 15,9	<b>RV 6604-6-10 W</b>	<b>660 0654</b>	2.000	<b>660 3655</b>	B 200	
<b>5,2 x 31,8</b>	14,3 - 19,1	<b>RV 6604-6-12 W</b>	<b>660 0662</b>	"	<b>660 3663</b>	"	
<b>5,2 x 34,9</b>	17,4 - 22,2	<b>RV 6604-6-14 W</b>	<b>660 0673</b>	1.500	<b>660 3674</b>	B 150	
<b>5,2 x 38,1</b>	20,6 - 25,4	<b>RV 6604-6-16 W</b>	<b>660 0684</b>	"	<b>660 3685</b>	"	
<b>5,2 x 41,3</b>	23,8 - 28,6	<b>RV 6604-6-18 W</b>	<b>660 0695</b>	"	<b>660 3696</b>	"	

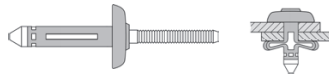
The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 64.

## GESIPA® BULB-TITE® blind rivets

	Rivet body D, x L mm	Grip range mm	Typ	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>	1,6 - 6,4	<b>RV 6604-8-4</b>	<b>660 0212</b>	2.000	<b>660 3211</b>	B 200
	<b>6,3 x 23,4</b>	3,2 - 9,5	<b>RV 6604-8-6</b>	<b>660 0220</b>	"	<b>660 3221</b>	"
	<b>6,3 x 26,5</b>	6,4 - 12,7	<b>RV 6604-8-8</b>	<b>660 0239</b>	"	<b>660 3238</b>	"
	<b>6,3 x 29,7</b>	9,5 - 15,9	<b>RV 6604-8-10</b>	<b>660 0247</b>	1.500	<b>660 3246</b>	B 150
with EPDM seal disc <b>CE</b>	<b>6,3 x 20,2</b>	1,6 - 6,4	<b>RV 6604-8-4 W</b>	<b>660 0700</b>	2.000	<b>660 3701</b>	B 200
	<b>6,3 x 23,4</b>	3,2 - 9,5	<b>RV 6604-8-6 W</b>	<b>660 0719</b>	"	<b>660 3718</b>	"
	<b>6,3 x 26,5</b>	6,4 - 12,7	<b>RV 6604-8-8 W</b>	<b>660 0727</b>	"	<b>660 3726</b>	"
	<b>6,3 x 29,7</b>	9,5 - 15,9	<b>RV 6604-8-10 W</b>	<b>660 0735</b>	1.500	<b>660 3734</b>	B 150
<b>7.7</b> Hole Ø: 7.8 - 8.2 mm <b>Ü</b>	<b>7,7 x 27,7</b>	1,0 - 9,5	<b>RV 6603-9-6</b>	<b>660 0301</b>	1.000	<b>660 3302</b>	B 100
	with EPDM seal disc <b>CE / Ü</b>	<b>7,7 x 27,7</b>	1,0 - 9,5	<b>RV 6603-9-6 W</b>	<b>660 0808</b>	"	<b>660 3809</b>

## alu/alu Large flange

Rivet body: Alu AlMg 5  
Mandrel: Alu AlCuMg 1



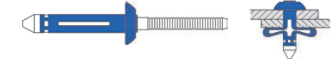
	Rivet body D, x L mm	Grip range mm	Typ	Part no. bulk pack	Quantity per box	Part no. small pack	Quantity per box
<b>7,7 - K19</b> Hole Ø: 7,8 - 8,2 mm with EPDM seal disc <b>CE / Ü</b>	<b>7,7 x 27,7</b>	1,1 - 9,5	<b>RV 6605-9-6 W</b>	<b>660 0905</b>	1.000	<b>660 3904</b>	B 100
	<b>7,7 x 34,0</b>	6,4 - 15,9	<b>RV 6605-9-10 W</b>	<b>660 0913</b>	1.000	<b>660 3912</b>	B 100

The information on shear and tensile strength, rivet pin diameters and the maximum setting head diameters can be found on page 64.

## GESIPA® BULB-TITE® blind rivets

### steel/steel Round head

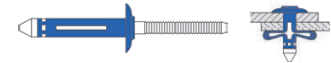
Rivet body: Steel, zinc-plated  
Mandrel: Steel, zinc-plated



	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>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>	<b>661 0013</b>	1.500	<b>661 3014</b>	B 100
	<b>6,3 x 23,4</b>	3,2 - 9,5	<b>RV6676-8-6</b>	<b>661 0021</b>	"	<b>661 3022</b>	"

### steel/steel Dome head

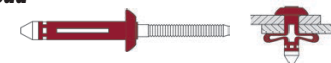
Rivet body: Steel  
Mandrel: Steel



	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>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>	661 0010	A 1.500	661 0100	B 150
	<b>5,2 x 22,3</b>	4,8 - 9,5	<b>RV 6674-06-06</b>	661 0011	"	661 0101	"
	<b>5,2 x 25,4</b>	7,9 - 12,7	<b>RV 6674-06-08</b>	661 0012	"	661 0102	"
	<b>5,2 x 28,6</b>	11,1 - 15,8	<b>RV 6674-06-10</b>	661 0014	"	661 0103	"
	<b>5,2 x 31,8</b>	14,3 - 19,0	<b>RV 6674-06-12</b>	661 0015	"	661 0104	"
with EPDM seal disc	<b>5,2 x 19,1</b>	1,6 - 6,3	<b>RV 6674-06-04 W</b>	661 0016	A 1.500	661 0105	B 150
	<b>5,2 x 22,3</b>	4,8 - 9,5	<b>RV 6674-06-06 W</b>	661 0017	"	661 0106	"
	<b>5,2 x 25,4</b>	7,9 - 12,7	<b>RV 6674-06-08 W</b>	661 0018	"	661 0107	"
	<b>5,2 x 28,6</b>	11,1 - 15,8	<b>RV 6674-06-10 W</b>	661 0019	"	661 0108	"
	<b>5,2 x 31,8</b>	14,3 - 19,0	<b>RV 6674-06-12 W</b>	661 0020	"	661 0109	"

### 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>CE</b>	<b>6,3 x 20,2</b>	1,0 - 6,4	<b>RV6696-8-4</b>	<b>662 0019</b>	1.500	<b>662 3018</b>	B 100

Material surcharge will be added at a daily rate

**Caution: Use special tools/nosepieces for BULB-TITE® blind rivets!**

## GESIPA®-BULB-TITE® blind rivets

### BULB-TITE® blind rivets – Heads

The following heads are also available on request:

**alu/alu**  
Round head



**alu/alu**  
Flat head



**alu/alu**  
Countersunk (82°)



chart shear and tensile strength

BULB-TITE® alu/alu					
Rivet Ø mm	Shear strength N	(kp)	Tensile strength N	Mandrel Ø mm	
4	2.000	(210)	1.050	(110)	2,4
5,2	2.700	(284)	1.950	(198)	2,9
6,3	4.200	(500)	2.500	(305)	3,9
7,7	6.650	(680)	4.850	(500)	4,5

BULB-TITE® steel/steel					
Rivet Ø mm	Shear strength N	(kp)	Tensile strength N	Mandrel Ø mm	
5,2	3.890	(396)	2.890	(294)	3,0
6,3	5.550	(565)	4.200	(428)	3,9

Test procedure according to DIN EN ISO 14589

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

BULB-TITE® blind rivets of all head types (except countersunk) are optionally available with washer, too.

## TRI-FOLD® folding type blind rivets

### 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.

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



**alu/alu**

Dome head

Rivet body: Alu AlMg 5  
Mandrel: Alu AlMg 5



	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 14,5</b>	1,0 - 3,0	GAMD52ATF	666 0002	B 500
	<b>4,1 x 19,5</b>	1,0 - 6,3	GAMD54ATF	666 0010	"
	<b>4,1 x 21,1</b>	1,0 - 9,5	GAMD56ATF	666 0029	"
	<b>4,1 x 24,3</b>	3,2 - 12,7	GAMD58ATF	666 0037	"
<b>4.8</b> Hole Ø: 4.9 mm	<b>4,8 x 19,0</b>	1,6 - 6,3	GAMD64ATF	666 0045	B 250
	<b>4,8 x 22,2</b>	4,7 - 9,5	GAMD66ATF	666 0053	"
	<b>4,8 x 25,4</b>	7,9 - 12,7	GAMD68ATF	666 0061	"
	<b>4,8 x 28,5</b>	11,1 - 15,9	GAMD610ATF	666 0088	"
	<b>4,8 x 31,7</b>	14,2 - 19,0	GAMD612ATF	666 0096	A 100

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
4,1	650	(66)	850	(87)	2,4	8,2
4,8	1.100	(112)	1.400	(143)	2,9	10,1

Test procedure according to DIN EN ISO 14589