

# G-Bulb® blind rivets

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



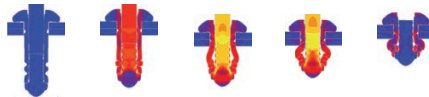
## G-Bulb® blind rivet

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

## The setting process

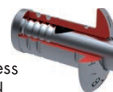


## Main features

- 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



coming soon

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 - 3.4 mm	<b>3,2 x 8</b>	1,5 - 3,0	<b>681 1065</b>	B 1.000
	<b>3,2 x 10</b>	3,0 - 5,0	<b>681 1068</b>	"
	<b>3,2 x 12</b>	5,0 - 7,0	<b>681 1067</b>	"
	<b>3,2 x 14</b>	7,0 - 9,0	<b>681 1066</b>	"
<b>4</b> Hole Ø: 4.1 - 4.2 mm	<b>4 x 10</b>	3,0 - 5,0	<b>681 1063</b>	B 500
	<b>4 x 12</b>	5,0 - 7,0	<b>681 1064</b>	"
	<b>4 x 14</b>	7,0 - 9,0	<b>681 1061</b>	"
	<b>4 x 16</b>	9,0 - 11,0	<b>681 1062</b>	"

# G-Bulb® – high strength blind rivets

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
<b>4.8</b> Hole Ø: 5.0 - 5.2 mm	<b>4,8 x 10</b>	1,5 - 3,5	<b>681 2037</b>	B 500
	<b>4,8 x 13</b>	3,5 - 6,0	<b>681 2045</b>	"
	<b>4,8 x 15</b>	6,0 - 8,0	<b>681 2064</b>	"
<b>6.4</b> Hole Ø: 6.7 - 6.9 mm	<b>6,4 x 13</b>	2,0 - 4,5	<b>681 3014</b>	B 250
	<b>6,4 x 17</b>	4,5 - 7,0	<b>681 3027</b>	"
	<b>6,4 x 20</b>	7,0 - 10,5	<b>681 3048</b>	B 200
	<b>6,4 x 23</b>	10,5 - 13,0	<b>681 3052</b>	B 150
	<b>6,4 x 25</b>	13,0 - 15,5	<b>681 3064</b>	"

further dimensions and surface treatments on request

# A2 stainless steel (Dome head)

Rivet body: Stainless steel A2 –no. 1.4567  
Mandrel: Stainless steel A2 –no. 1.4541



coming soon

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
<b>3.2</b> Hole Ø: 3.3 - 3.4 mm	<b>3,2 x 8</b>	1,5 - 3,0	<b>683 0002</b>	B 500
	<b>3,2 x 10</b>	3,0 - 5,0	<b>683 0005</b>	"
	<b>3,2 x 12</b>	5,0 - 7,0	<b>683 0040</b>	"
	<b>3,2 x 14</b>	7,0 - 9,0	<b>683 0060</b>	"
<b>4</b> Hole Ø: 4.1 - 4.2 mm	<b>4 x 10</b>	3,0 - 5,0	<b>683 1011</b>	B 500
	<b>4 x 12</b>	5,0 - 7,0	<b>683 1030</b>	"
	<b>4 x 14</b>	7,0 - 9,0	<b>683 1040</b>	"
	<b>4 x 16</b>	9,0 - 11,0	<b>683 1050</b>	"

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
<b>4,8</b> Hole Ø: 5,0 - 5,2 mm	<b>4,8 x 10</b>	1,5 - 3,5	<b>683 2030</b>	B 500
	<b>4,8 x 13</b>	3,5 - 5,5	<b>683 2040</b>	"
	<b>4,8 x 15</b>	5,5 - 7,5	<b>683 2068</b>	"
<b>6,4</b> Hole Ø: 6,7 - 6,9 mm	<b>6,4 x 13</b>	2,0 - 4,0	<b>683 3015</b>	B 250
	<b>6,4 x 15</b>	4,0 - 6,0	<b>683 3020</b>	"
	<b>6,4 x 17</b>	6,0 - 8,0	<b>683 3028</b>	"
	<b>6,4 x 20</b>	8,0 - 10,5	<b>683 3039</b>	B 200
	<b>6,4 x 23</b>	10,5 - 12,5	<b>683 3042</b>	B 150
<b>6,4 x 25</b>	12,5 - 14,5	<b>683 3056</b>	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 Ø mm	Shear strength N	(kp)	Tensile strength N	(kp)	Mandrel Ø mm
4 x L*	2.600	(271)	2.750	(280)	-2,6
4,8 x 10	3.600	(367)	3.500	(357)	3,2
4,8 x 13	4.000	(408)	3.500	(357)	3,2
4,8 x 15	5.600	(571)	3.500	(357)	3,2
6,4 x 13	8.500	(867)	8.000	(816)	4,25
6,4 x 17	10.000	(1.019)	8.000	(816)	4,25
6,4 x 20	11.000	(1.120)	8.000	(816)	4,25
6,4 x 23	11.000	(1.120)	8.000	(816)	4,25
6,4 x 25	11.000	(1.120)	8.000	(816)	4,25

\* L = any length

Test procedure according to DIN EN ISO 14589

G-Bulb A2 stainless steel					
Rivet Ø mm	Shear strength N	(kp)	Tensile strength N	(kp)	Mandrel Ø mm
4 x L	3.200	(327)	3.400	(550)	-2,7
4,8 x 10	4.400	(441)	5.400	(550)	3,2
4,8 x 13	4.550	(446)	5.400	(550)	3,2
4,8 x 15	4.700	(461)	5.400	(550)	3,2
6,4 x 13	8.000	(816)	8.800	(897)	4,25
6,4 x 15	10.000	(1.019)	8.800	(897)	4,25
6,4 x 17	10.000	(1.019)	8.800	(897)	4,25
6,4 x 20	11.000	(1.120)	8.800	(897)	4,25
6,4 x 23	11.000	(1.120)	8.800	(897)	4,25
6,4 x 25	11.000	(1.120)	8.800	(897)	4,25