

G-Bulb® blind rivets

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



G-Bulb® blind rivet

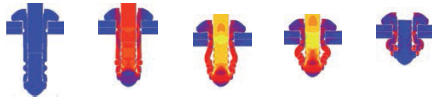
GESIPA® has developed a new range of high strength structural blind rivets called G-Bulb® with diameters of 4.8 and 6.4mm in steel and A2 stainless steel, to fit grip ranges from 1.5 up to 15.5 mm.

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



G-Bulb® – high strength blind rivets

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

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



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

coming soon

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
4.8 Hole Ø: 5.0 - 5.2 mm	4,8 x 10	1,5 - 3,5	683 2030	B 500
	4,8 x 13	3,5 - 5,5	683 2040	"
	4,8 x 15	5,5 - 7,5	683 2068	"
6.4 Hole Ø: 6.7 - 6.9 mm	6,4 x 13	2,0 - 4,0	683 3015	B 250
	6,4 x 15	4,0 - 6,0	683 3020	"
	6,4 x 17	6,0 - 8,0	683 3028	"
	6,4 x 20	8,0 - 10,5	683 3039	B 200
	6,4 x 23	10,5 - 12,5	683 3042	B 150
	6,4 x 25	12,5 - 14,5	683 3056	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	Shear strength (kp)	Tensile strength N	Tensile strength (kp)	Mandrel Ø mm	Max. head Ø mm
4 x L*	2.600	(271)	2.750	(280)	~2,6	8,0
4,8 x 10	3.600	(367)	3.500	(357)	3,2	9,5
4,8 x 13	4.000	(408)	3.500	(357)	3,2	9,5
4,8 x 15	5.600	(571)	3.500	(357)	3,2	9,5
6,4 x 13	8.500	(867)	8.000	(816)	4,25	13,0
6,4 x 17	10.000	(1.019)	8.000	(816)	4,25	13,0
6,4 x 20	11.000	(1.120)	8.000	(816)	4,25	13,0
6,4 x 23	11.000	(1.120)	8.000	(816)	4,25	13,0
6,4 x 25	11.000	(1.120)	8.000	(816)	4,25	13,0

* L = any length

Test procedure according to DIN EN ISO 14589

G-Bulb A2 stainless steel						
Rivet Ø mm	Shear strength N	Shear strength (kp)	Tensile strength N	Tensile strength (kp)	Mandrel Ø mm	Max. head Ø mm
4 x L	3.200	(327)	3.400	(550)	~2,7	8,0
4,8 x 10	4.400	(441)	5.400	(550)	3,2	9,5
4,8 x 13	4.550	(446)	5.400	(550)	3,2	9,5
4,8 x 15	4.700	(461)	5.400	(550)	3,2	9,5
6,4 x 13	8.000	(816)	8.800	(897)	4,25	13,0
6,4 x 15	10.000	(1.019)	8.800	(897)	4,25	13,0
6,4 x 17	10.000	(1.019)	8.800	(897)	4,25	13,0
6,4 x 20	11.000	(1.120)	8.800	(897)	4,25	13,0
6,4 x 23	11.000	(1.120)	8.800	(897)	4,25	13,0
6,4 x 25	11.000	(1.120)	8.800	(897)	4,25	13,0

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
3.2 Hole Ø: 3.3 - 3.4 mm	3,2 x 8	1,5 - 3,0	681 1065	B 1.000
	3,2 x 10	3,0 - 5,0	681 1068	"
	3,2 x 12	5,0 - 7,0	681 1067	"
	3,2 x 14	7,0 - 9,0	681 1066	"
4 Hole Ø: 4.1 - 4.2 mm	4 x 10	3,0 - 5,0	681 1063	B 500
	4 x 12	5,0 - 7,0	681 1064	"
	4 x 14	7,0 - 9,0	681 1061	"
	4 x 16	9,0 - 11,0	681 1062	"