

GESIPA CAP® – Closed end blind rivets

GESIPA CAP® – naturally air and watertight



The GESIPA CAP® blind rivet – A closed end rivet

The rivet body of the GESIPA CAP® blind rivet is absolutely air and watertight. Liquids cannot seep through, could however seep around the set rivet, if the setting hole is too large. Therefore great care must be brought to fulfilling the hole tolerances.

The GESIPA CAP® blind rivet – 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 bore-hole tolerances.

The GESIPA CAP® blind rivet – 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: Alu AlMg 5
Mandrel: Steel, phosphate coated



	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
3.2 Hole Ø: 3.3 mm	3,2 x 6,5	0,5 - 2,0	610 0016	A 500
	3,2 x 8,0	2,0 - 3,5	610 0032	"
	3,2 x 9,5	3,5 - 5,0	610 0059	"
	3,2 x 10,5	5,0 - 6,5	610 0075	"
	3,2 x 12,5	6,5 - 8,0	610 0091	"
4 Hole Ø: 4.1 mm	4 x 8,0	0,5 - 3,5	610 0709	B 500
	4 x 9,5	3,5 - 5,0	610 0717	"
	4 x 11,0	5,0 - 6,5	610 0725	"
	4 x 12,5	6,5 - 8,0	610 0733	"
	4 x 15,0	8,0 - 11,0	610 0741	"

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
4.8 Hole Ø: 4.9 mm	4,8 x 8,0	1,0 - 3,5	610 0350	B 500
	4,8 x 9,5	3,5 - 5,0	610 0377	"
CE Ü	4,8 x 11,0	5,0 - 6,5	610 0393	"
	4,8 x 12,5	6,5 - 8,0	610 0415	"
	4,8 x 14,0	8,0 - 9,5	610 0431	"
	4,8 x 16,0	9,5 - 11,0	610 0873	"
	4,8 x 18,0	11,0 - 13,0	610 0857	"
	4,8 x 21,0	13,0 - 16,0	610 0865	B 250

alu/nirosta standard

Rivet body: Alu AlMg 5
Mandrel: Stainless steel



	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
3.2 Hole Ø: 3.3 mm	3,2 x 6,5	0,5 - 2,0	612 2000	A 500
	3,2 x 8,0	2,0 - 3,5	612 2019	"
	3,2 x 9,5	3,5 - 5,0	612 2027	"
	3,2 x 10,5	5,0 - 6,5	612 2035	"
4 Hole Ø: 4.1 mm	3,2 x 12,5	6,5 - 8,0	612 2043	"
	4 x 8,0	0,5 - 3,5	612 2108	B 500
	4 x 9,5	3,5 - 5,0	612 2116	"
	4 x 11,0	5,0 - 6,5	612 2124	"
	4 x 12,5	6,5 - 8,0	612 2132	"

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
4.8 Hole Ø: 4.9 mm	4,8 x 8,0	1,0 - 3,5	612 2205	B 500
	4,8 x 9,5	3,5 - 5,0	612 2213	"
CE Ü	4,8 x 11,0	5,0 - 6,5	612 2221	"
	4,8 x 12,5	6,5 - 8,0	612 2248	"
	4,8 x 14,0	8,0 - 9,5	612 2256	"
	4,8 x 16,0	9,5 - 11,0	612 2264	"
	4,8 x 18,0	11,0 - 13,0	612 2272	"
	4,8 x 21,0	13,0 - 16,0	612 2280	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 47.



GESIPA CAP® – The closed end blind rivet

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A2 stainless steel standard



Rivet body: Stainless Steel A2 – no. 1.4301
Mandrel: Stainless Steel A1 – no. 1.4021

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
3.2 Hole Ø: 3.3 mm	3,2 x 6,0	0,8 - 2,0	613 0001	A 500
	3,2 x 8,0	2,0 - 4,0	613 0002	"
	3,2 x 10,0	4,0 - 6,0	613 0003	"
	3,2 x 12,0	6,0 - 8,0	613 0004	"
4 Hole Ø: 4.1 mm	4 x 6,0	0,8 - 1,5	613 0011	A 500
	4 x 8,0	1,5 - 3,5	613 0012	"
	4 x 10,0	3,5 - 5,5	613 0013	B 500
	4 x 12,0	5,5 - 7,5	613 0014	"
	4 x 16,0	7,5 - 11,5	613 0015	"

Material surcharge will be added at a daily rate

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
4.8 Hole Ø: 4.9 mm	4,8 x 8,0	0,8 - 3,0	613 0031	B 500
	4,8 x 10,0	3,0 - 5,0	613 0032	"
	4,8 x 12,0	5,0 - 7,0	613 0033	"
	4,8 x 16,0	7,0 - 11,0	613 0034	"
	4,8 x 20,0	11,0 - 15,0	613 0035	B 250

copper/steel standard



Rivet body: Cu-mat
Mandrel: Steel, lightly oiled

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
3,2 Hole Ø: 3,3 mm	3,2 x 6,0	0,5 - 1,5	614 1012	A 500
	3,2 x 7,5	1,5 - 3,0	614 1039	"
	3,2 x 9,0	3,0 - 4,5	614 1055	"
	3,2 x 12,0	4,5 - 8,0	614 1071	"
4 Hole Ø: 4,1 mm	4 x 9,5	1,0 - 4,5	614 1101	A 500

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
4,8 Hole Ø: 4,9 mm	4,8 x 11,5	3,5 - 6,5	614 1233	B 500
	4,8 x 13,0	6,5 - 8,0	614 1241	"
	4,8 x 15,0	8,0 - 9,5	614 1268	"

copper/nirosta standard



Rivet body: Cu-mat
Mandrel: Stainless steel

	Rivet body D, x L mm	Grip range mm	Part no.	Quantity per box
3,2 Hole Ø: 3,3 mm	3,2 x 6,0	0,5 - 1,5	617 3007	A 500
	3,2 x 7,5	1,5 - 3,0	617 3015	"
	3,2 x 9,0	3,0 - 4,5	617 3023	"

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
3,2	1.050	(107)	1.250	(127)	1,7	6,5
4,0	1.550	(158)	2.100	(214)	2,2	8,5
4,8	2.400	(245)	3.500	(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
3,2	1.900	(194)	2.400	(245)	1,9	6,5
4,0	2.900	(296)	3.700	(377)	2,3	8,5
4,8	4.300	(439)	5.400	(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
3,2	1.000	(102)	1.400	(143)	1,7	6,0
4,0	1.500	(153)	2.200	(224)	2,2	8,0
4,8	2.100	(214)	3.100	(316)	2,7	9,5