

Fastening Technology / Blind Rivets

MAGNA-BULB[®] Blind Rivets



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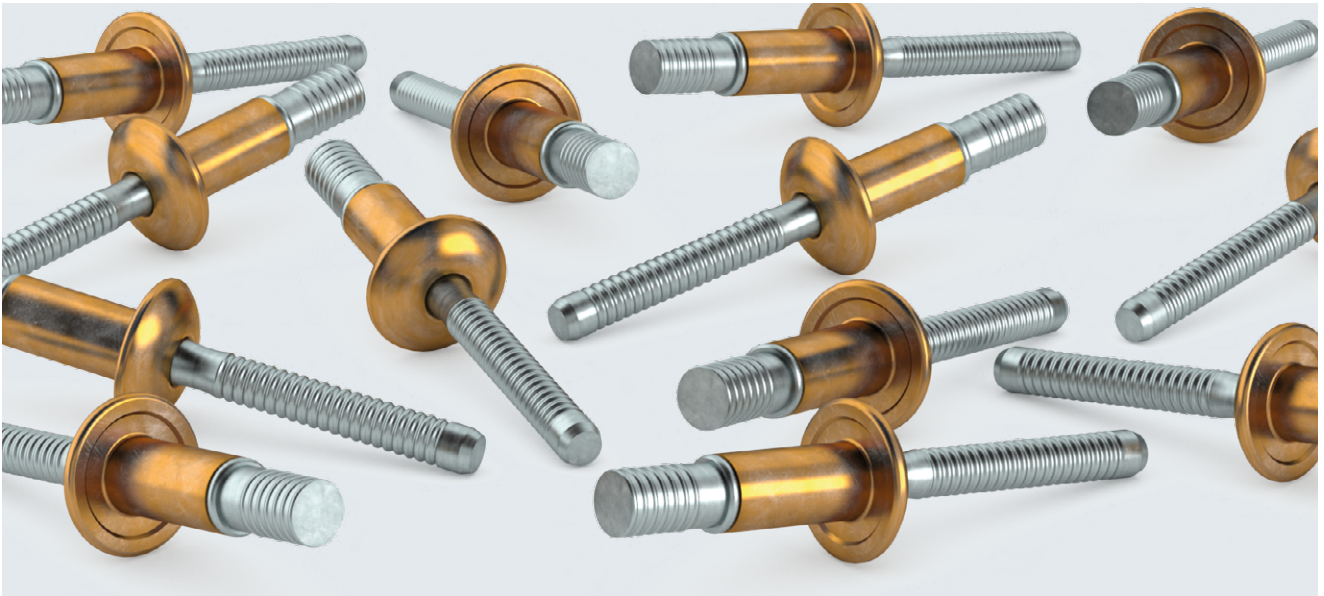
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MAGNA-BULB®

blind rivets



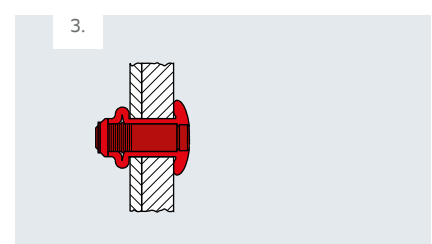
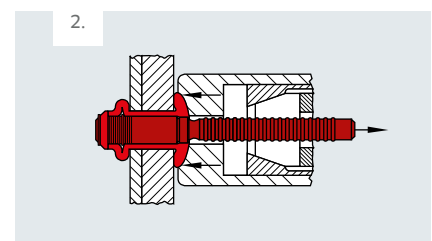
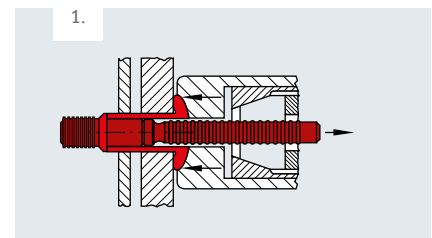
MAGNA-BULB® blind rivets stand out in particular for their large blind side footprint. This makes them a good option for installing on the rear side of thin-walled materials (including lightweight metal). As they are installed, the blind rivets exert a relatively high amount of clamp force (contact load) on the parts being joined. The full-length mandrel body ensures very high shear strengths. The mandrel is therefore securely and mechanically retained. What's more, the mandrel always breaks flush, even when materials of varying strengths and thicknesses are present within the grip range.

Benefits at a glance

- High shear and tensile strength
- The securely fitting mandrel makes for vibration-resistant applications
- Forms a large blind side footprint, very suitable for thin materials
- Mandrel always breaks off flush at the snap head
- Universal use
- Quick and secure installation
- Permanent secure fixing
- Heatless installation means component will not warp.
- Eliminates extensive refinishing

Applications

- General industry
- Steel construction and mechanical engineering
- Automotive industry
- Construction industry
- Bodywork and vehicle manufacture



MAGNA-BULB® blind rivets

Truss head

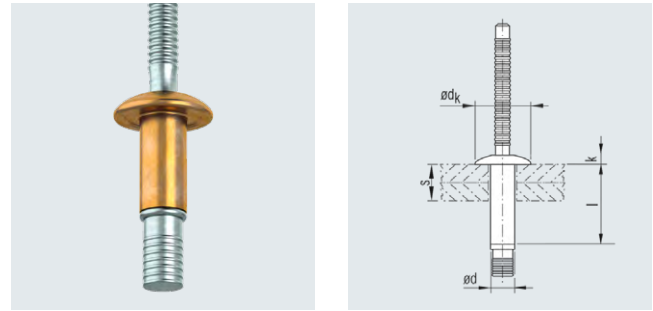
Material

Sleeve

Steel SAE 1006,
galvanised, chromated

Mandrel

Steel SAE 10B22,
galvanised, chromated



Nominal \varnothing d [mm]	Bore \varnothing [mm]	Grip range s [mm]	Blind sleeve l +1.0 -0.2 [mm]	Blind rivet head		Nominal strength at break*		Article No.
				\varnothing dk ± 0.4 [mm]	Height k ± 0.2 [mm]	Shear N	Tensile N	
4.8	4.9 - 5.1	1.9 - 2.8	15.0	9.5	2.4	8450	4670	415 242 900
		2.2 - 3.8	17.1	9.5	2.4	8450	4670	415 243 900
		3.2 - 4.8	17.7	9.5	2.4	8450	4670	415 244 900
		4.2 - 5.8	18.6	9.5	2.4	8450	4670	415 245 900
		5.2 - 6.8	19.7	9.5	2.4	8450	4670	415 246 900
		6.2 - 7.8	20.7	9.5	2.4	8450	4670	415 247 900
		7.2 - 8.8	21.7	9.5	2.4	8450	4670	415 248 900
		8.2 - 9.8	22.7	9.5	2.4	8450	4670	415 249 900
		9.2 - 10.8	23.7	9.5	2.4	8450	4670	415 250 900
		6.4	6.6 - 6.9	1.5 - 3.5	19.3	13.0	3.0	11560
2.8 - 4.8	21.9			13.0	3.0	12000	8890	415 223 900
3.8 - 5.8	23.9			13.0	3.0	12270	8890	415 224 900
4.8 - 6.8	23.2			13.0	3.0	13340	8890	415 225 900
5.8 - 7.8	23.9			13.0	3.0	14230	8890	415 226 900
6.8 - 8.8	24.9			13.0	3.0	16000	8890	415 227 900
7.8 - 9.8	25.9			13.0	3.0	16000	8890	415 228 900
8.8 - 10.8	26.9			13.0	3.0	16000	8890	415 229 900
9.8 - 11.8	27.9			13.0	3.0	16000	8890	415 230 900
10.8 - 12.8	28.9			13.0	3.0	16000	8890	415 231 900
8.0	8.3 - 8.6	11.8 - 13.8	30.0	13.0	3.0	16000	8890	415 232 900
		12.8 - 14.8	30.9	13.0	3.0	16000	8890	415 233 900
8.0	8.3 - 8.6	3.8 - 6.4	28.1	16.4	3.1	22240	13160	415 263 900

* Strengths at break relate to rivet failure.

Other designs available on request.

MAGNA-BULB® blind rivets

Flat truss head with extra-short mandrel head

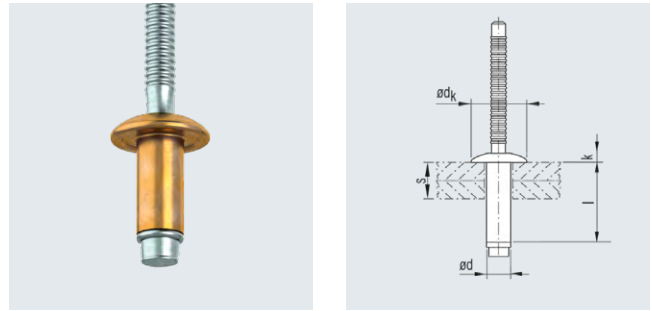
Material

Sleeve

Steel SAE 1006,
galvanised, chromated

Mandrel

Steel SAE 10B22,
galvanised, chromated



Nominal \varnothing d [mm]	Bore \varnothing [mm]	Grip range s [mm]	Blind sleeve l +1.0 -0.2 [mm]	Blind rivet head \varnothing dk ± 0.4 [mm]	Height k ± 0.2 [mm]	Nominal strength at break*		Article No.
						Shear N	Tensile N	
6.4	6.6 - 6.9	2.8 - 4.8	15.7	13.0	3.0	10670	7110	415 254 900
		4.8 - 6.8	17.0	13.0	3.0	12000	7110	415 255 900
		5.8 - 7.8	18.0	13.0	3.0	13300	7110	415 256 000
		6.8 - 8.8	19.0	13.0	3.0	13300	7110	415 257 900
		8.8 - 10.8	21.0	13.0	3.0	13300	7110	415 259 900
		10.8 - 12.8	23.0	13.0	3.0	13300	7110	415 261 900

* Strengths at break relate to rivet failure.

Other designs available on request.

About us

Titgemeyer Group is a leading fastening technology and transport technology group of companies with 15 sites across Europe. Steeped in tradition, the company develops, manufactures and sells more than 30,000 fastening elements, tools and vehicle components – in series and to customer specification.

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