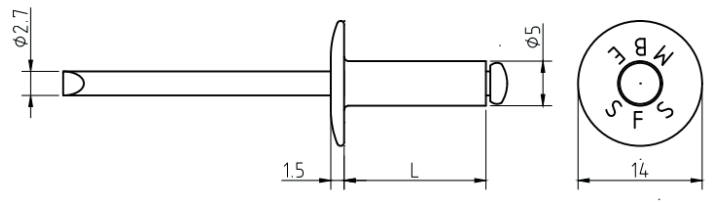
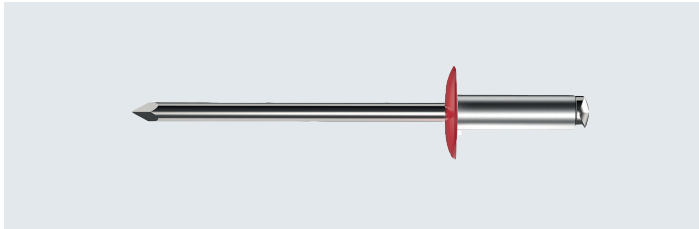


Technical Values

MBE-FN-AI5-5xL K14



Specification MBE-FN-AI5-5xL K14

Rivet body: Aluminium
 Material number: EN AW-5019
 Mandrel: Stainless steel A3
 Material number: 1.4541

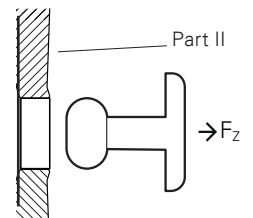
Predrilling instructions

\emptyset predrill = 5.1 mm
 Finish: blank or coloured
 \emptyset rivet body = 5 mm
 Head diameter D = 14 mm

Clamping range

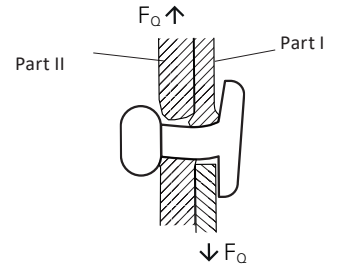
L	16	18	21	23	25	28	30	33
CR	7.0 - 10.5	9.0 - 12.5	14.0 - 17.5	15.5 - 19.5	15.5 - 19.5	18.5 - 22.5	19.5 - 24.0	22.5 - 27.0

Pull-out load F_z



Part II			Test results (N)		
Material		t_{II}	\bar{x}	R_k	s
Aluminium	190 N/mm ²	2.00	2820	1720	79
Aluminium	215 N/mm ²	2.00	2820	1950	79
Aluminium	245 N/mm ²	2.00	2820	2220	79
Aluminium	190 N/mm ²	2.50	3400	2280	147
Aluminium	215 N/mm ²	2.50	3400	2580	147
Aluminium	245 N/mm ²	2.50	3400	2920	147

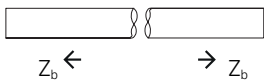
Remarks: Figures obtained with displacement of 3 mm between Part I and Part II



Shear load F_0

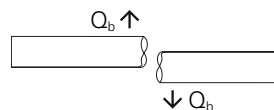
Part II		Part I			Test results (N)			
Material		t_{II}	Material		t_I	\bar{x}	R_k	s
Aluminium	190 N/mm ²	2.00	Steel	350 N/mm ²	10.0	3060	2570	86
Aluminium	215 N/mm ²	2.00				3060	2740	86
Aluminium	245 N/mm ²	2.00				3060	2740	86
Aluminium	190 N/mm ²	2.50				3360	2090	270
Aluminium	215 N/mm ²	2.50				3360	2370	270
Aluminium	245 N/mm ²	2.50				3360	2690	270

Tensile breaking load Z_b
EN ISO 14589



$Z_b \geq 3714$ N

Shear breaking load Q_b
EN ISO 14589



$Q_b \geq 2600$ N

All measures in mm

- s: Standard deviation
- \bar{x} : Mean value
- u,5: Fractile value
- R,k: Characteristic value

All calculations, measurements, fasteners and design methods have to be verified by a responsible designer or engineer, regarding the corresponding structure and load. Please consult your national norms and approvals.

All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes.