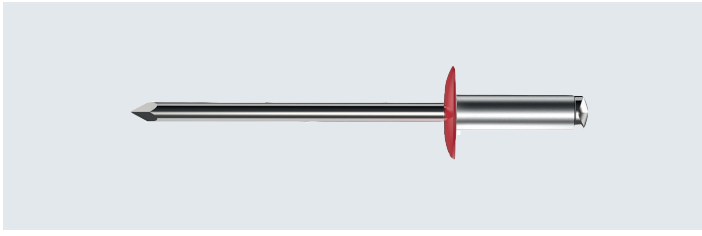
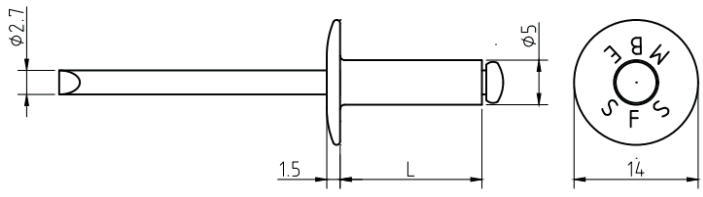
Eine starke Verbindung

Technical Values

MBE-FN-Al5-5xL K14





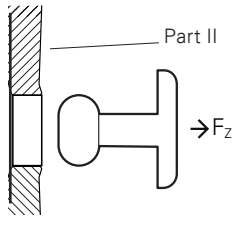
Specification MBE-FN-Al5-5xL K14
Rivet body: Aluminium
Material number: EN AW-5019
Mandrel: Stainless steel A3
Material number: 1.4541

Predrilling instructions
Ø predrill = 5.1 mm
Finish: blank or coloured
Ø 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/mm²	2.00		2820	1720	79
Aluminium	215 N/mm²	2.00		2820	1950	79
Aluminium	245 N/mm²	2.00		2820	2220	79
Aluminium	190 N/mm²	2.50		3400	2280	147
Aluminium	215 N/mm²	2.50		3400	2580	147
Aluminium	245 N/mm²	2.50		3400	2920	147

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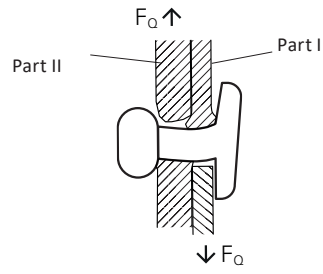
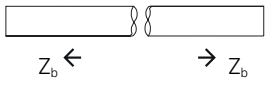
Remarks: Figures obtained with displacement of 3 mm between Part I and Part II



Shear load F_Q

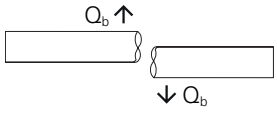
Part II Material		t_{II}	Part I Material		t_I	Test results (N) $\bar{x}$	R_k	s
Aluminium	190 N/mm²	2.00	Steel	350 N/mm²	10.0	3060	2570	86
Aluminium	215 N/mm²	2.00				3060	2740	86
Aluminium	245 N/mm²	2.00				3060	2740	86
Aluminium	190 N/mm²	2.50				3360	2090	270
Aluminium	215 N/mm²	2.50				3360	2370	270
Aluminium	245 N/mm²	2.50				3360	2690	270

Tensile breaking load Z_b
EN ISO 14589



Zb≥ 3714 N

Shear breaking load Q_b
EN ISO 14589



Qb≥ 2600 N

All measures in mm

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