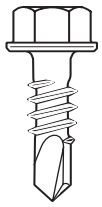
SFS intec

Technical value

December 2009 hch/sre

SLA5–S4

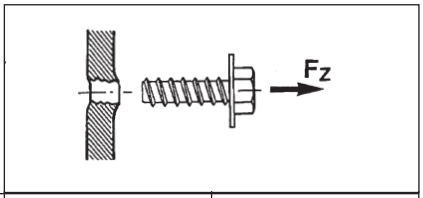


SLA5
Ø div.xL

Material
Fastener:
Length 19 mm/21 mm:
stainless steel S4 = A4,
Material number 1.4401, AISI 316

Size
Head/Drive:
Hex., 8 mm A/F

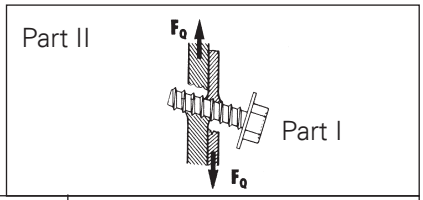
Pull-out load F_Z (N)



Part II (Subconstruction)

Length L (mm)	Ø (mm)	Material	Thickness (mm)	$\bar{x}$	s
19	6,0	AlMg	1,8 2,0 3,0	2200 2220 3900	170 120 150
21	6,0	AlMg	2,0 3,0 4,0	2630 3980 7430	120 160 220

Shear load F_Q (N)

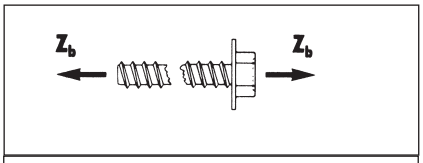


		Thickness in mm			
Length (mm)	Material	Part I*	Part II	$\bar{x}$	s
19 19	AlMg AlMg	2,4 4,0	1,8 2,0	3882 4700	234 190
21	AlMg	4,0	2.0	4400	120

Shear load: Figures obtained with displacement of 3 mm between purlin and sheet.

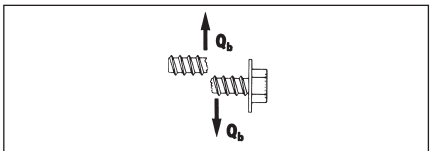
* Part I: pre drilled

Tensile breaking load Z_b (N)



$\bar{x}$ = 10000

Shear breaking load Q_b (N)



$\bar{x}$ = 7000

$\bar{x}$ = arithmetical mean value
s = Standard deviation

All stated values are $\bar{x}$ values, representing the arithmetical mean value from laboratory testing concluded up to now, appropriate safety margins should be applied for field conditions. Consult also your country's approval documents.