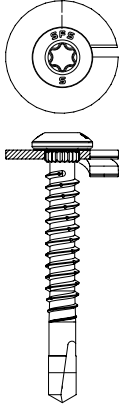


SX5-D10-S19/C9



SX5-D10-S19/C9
Ø 5,5x41

Material

Fastener:

austenitic stainless steel A2,
AISI 304

Washer:

austenitic stainless steel A2,
AISI 304

Size

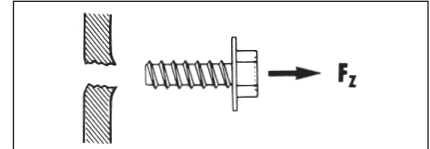
Head/Drive:

D10, T25 recess

Washer:

Ø 19 mm

Pull-out load F_z (N)

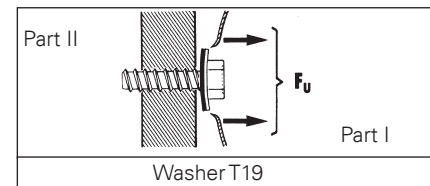


Part II (Subconstruction)

Material	Thickness (mm)	\bar{x}	s
Steel			
S320GD (390 N/mm ²)	1,25	2460	117
S320GD (390 N/mm ²)	1,50	3128	121
S235 (360 N/mm ²)	2,00	4037	126
S235 (360 N/mm ²)	2,50	5704	104
S235 (360 N/mm ²)	3,00	7461	155
S235 (360 N/mm ²)	4,00	—*	—*
S355 (470 N/mm ²)	1,25	2666	69
S355 (470 N/mm ²)	1,50	3395	121
S355 (470 N/mm ²)	2,00	5526	138
S355 (470 N/mm ²)	2,50	7329	227
S355 (470 N/mm ²)	3,00	10014	242
S355 (470 N/mm ²)	4,00	—*	—*

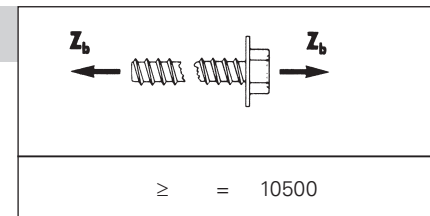
* tensile breaking load

Pull-over load F_u (N)

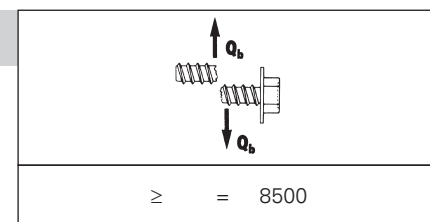


Material	Sheet thickness Part I in mm	\bar{x}	s
Kingspan	0,50	4101	212
Composite-panel	0,65	6083	286
	0,90	7987	426
	2 x 0,50	6070	253
	2 x 0,65	8852	589
	2 x 0,90	13385	359

Tensile breaking load Z_b (N)



Shear breaking load Q_b (N)



\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.