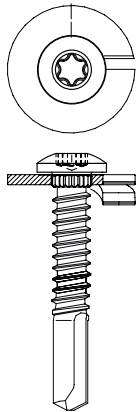


SD14-D10-T19/C9



SD14-D10-T19/C9
Ø 5,5x46

Material

Fastener:

Carbon steel 17B2

Washer:

Carbon steel 17B2

Size

Head/Drive:

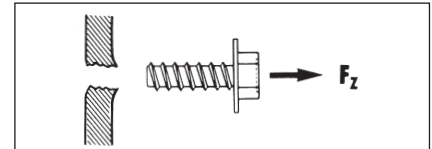
D10, T25 recess

Washer:

Ø 19 mm

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

Pull-out load F_z (N)

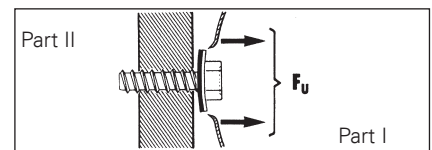


Part II (Subconstruction)

Material	Thickness (mm)	\bar{x}	s
Steel S235 (375 N/mm ²)	4,00	8959	726
	5,00	10914	1299
	8,00	12000*	-

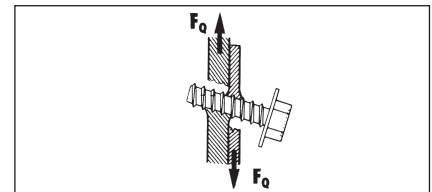
* = tensile breaking load

Pull-over load F_u (N)



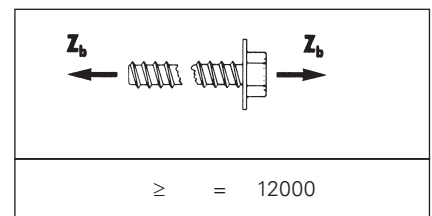
Material	Sheet thickness Part I in mm	Washer T19	
		\bar{x}	s
Kingspan Composite- panel	0,50	4101	212
	0,65	6083	286
	0,90	7987	426
	2 x 0,50	6070	253
	2 x 0,65	8852	589
	2 x 0,90	13385	359

Shear load F_Q (N)



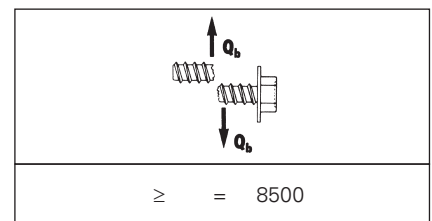
Material	Thickness Part I (mm)	Thickness Part II (mm)	\bar{x}	s
Steel 235	0,63	4,00	3090	76

Tensile breaking load Z_b (N)



\geq = 12000

Shear breaking load Q_b (N)



\geq = 8500

\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.