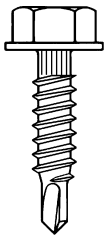


SL2-T



SL2-T
Ø 4,8xL

Admission
DIBt Z-14.1-4

SL2-T
Page 3.41

Material

Fastener:
Carbon steel 18B3

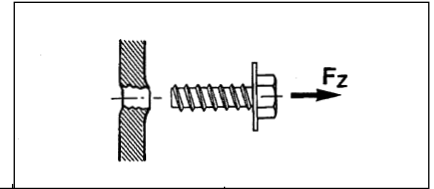
Size

Head/drive:
Hex., 8 mm A/F

Shear load:

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

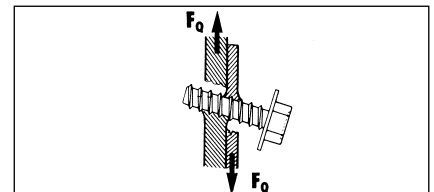
Pull-out load F_Z (N)



Part II (Subconstruction)

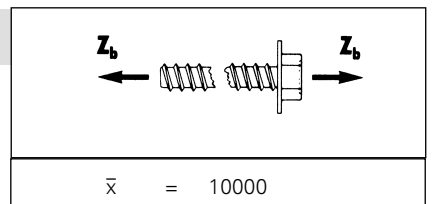
Material	Thickness (mm)	\bar{x}	s
St37 (375 N/mm ²)	2x0,63	1180	60
	2x0,75	1310	64
Aluminium PE 300	2x1,00	2360	49
Aluminium F 25	2x0,60	610	45
	2x0,70	820	45

Shear load F_Q (N)



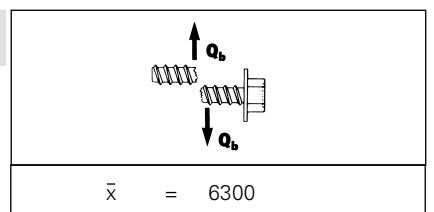
Material	Thickness in mm		\bar{x}	s
	Part I	Part II		
St37 (375 N/mm ²)	0,63	0,63	1820	210
	1,00	1,00	1950	88

Tensile breaking load Z_b (N)



$$\bar{x} = 10000$$

Shear breaking load Q_b (N)



$$\bar{x} = 6300$$

\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.