

SD14-H15
Ø 5,5xL

Material

Fastener:
Carbon steel 17B2

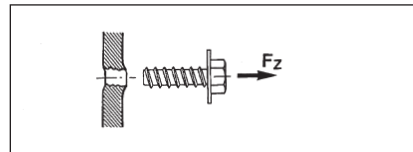
Size

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

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

SD14 - H15

Pull-out load F_z (N)

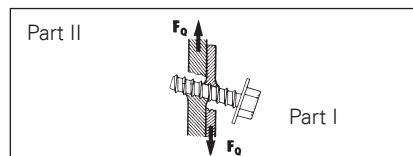


Part II (support)

Material	Thickness (mm)	\bar{x}	s
Steel S235 (375 N/mm ²)	4,00	8959	726
	5,00	10914	1299
	6,00	12000*	—
	8,00	12000*	—
Steel S355 (520 N/mm ²)	4,00	12000*	—
	5,00	12000*	—
	6,00	12000*	—
	8,00	12000*	—

*= Tensile breaking load

Shear load F_Q (N)



Material	Thickness in mm		\bar{x}	s
	Part I	Part II		
Steel S235 (375 N/mm ²)	0,63	4,00	4293	412
	0,75	5,00	5374	411
	0,88	5,00	6632	512

Tensile breaking load Z_b (N)

≥ = 12000

Shear breaking load Q_b (N)

≥ = 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.