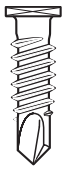
SFS intec

Technical value

Oktober/2002 sre/abjo

SL3-F

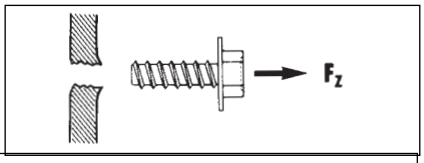


SL3-F
Ø 4,2x15

Material
Fastener:
Carbon steel 18B3
Oberfläche:
gelb zinced

Size
Head/Drive:
- Vierkant, Schlüsselweite 6 mm

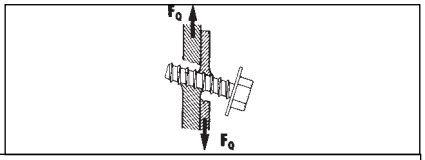
Pull-out load F_Z (N)



Part II (Subconstruction)

Material St. 37 / Part I St. 37 (375 N/mm²)	Thickness in mm x̄				
	0,7	1,0	1,2	1,5	2,0
0,7 mm	830	1100	1100	1100	1500
1,0 mm	550	550	550	550	-
1,2 mm	550	550	550	550	-

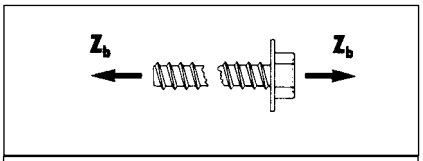
Shear load F_Q (N)



Part II St. 37 / Part I St. 37 (375 N/mm²)	Thickness in mm x̄				
	0,7	1,0	1,2	1,5	2,0
0,7 mm	2100	2600	2950	3400	4200
1,0 mm	2600	3100	3400	3850	-
1,2 mm	2950	3400	3700	4200	-

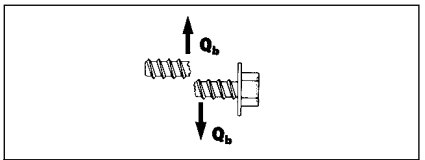
Shear load: Figures obtained with displacement of 3 mm between purlin and sheet.

Tensile breaking load Z_b (N)



$\bar{x}$ = 6730

Shear breaking load Q_b (N)



$\bar{x}$ = 5140

$\bar{x}$ = 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.