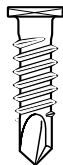


### SL4-F



SL4-F  
Ø 4,8x16

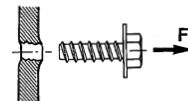
**Material**

Fastener:  
Carbon steel 18B3  
Surface:  
blue galvanized

**Size**

Head/drive:  
- Square, 6 mm A/F

### Pull-out load $F_Z$ (N)

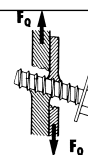


**Part II (Subconstruction)**

Material St. 37	Thickness (mm)				
	$\bar{x}$				
Part I St. 37 (375 N/mm <sup>2</sup> )	0,7	1,0	1,2	1,5	2,0
1,0 mm	-	-	-	-	2700
1,2 mm	-	-	-	2200	2200
1,5 mm	NA	NA	1900	1900	1900
2,0 mm	800	1000	1000	1000	1000

NA = Not applicable

### Shear load $F_Q$ (N)



Part II St. 37	Thickness (mm)				
	$\bar{x}$				
Part I St. 37 (375 N/mm <sup>2</sup> )	0,7	1,0	1,2	1,5	2,0
1,0 mm	-	-	-	-	4650
1,2 mm	-	-	-	4200	4960
1,5 mm	NA	NA	4200	4960	5430
2,0 mm	4200	4650	4960	5430	6200

NA = Not applicable

**Shear load:**

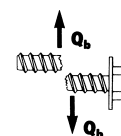
Figures obtained with displacement of 3 mm between purlin and sheet.

### Tensile breaking load $Z_b$ (N)



$$\bar{x} = 6730$$

### Shear breaking load $Q_b$ (N)



$$\bar{x} = 7770$$

$\bar{x}$  = 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.