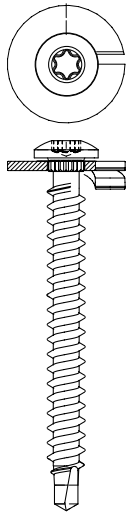


SW2-T-D10-T19/C9



SW2-T-D10-T19/C9
Ø 5,5x30

Material

Fastener:

Carbon steel 17B2

Washer:

Carbon steel 17B2

Size

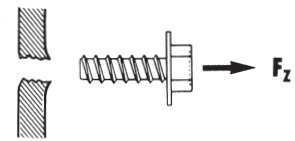
Head/Drive:

D10, T25 recess

Washer:

Ø 19 mm

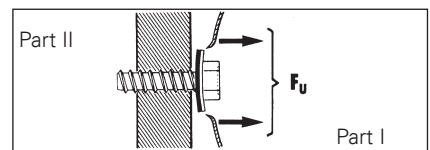
Pull-out load F_z (N)



Part II (Subconstruction)

| Material | Embedment depth (mm) | \bar{x} | s |
|--|----------------------|-----------|-----|
| Wood fir (C24) (350 kg/m ³) | 40 | 4183 | 154 |
| fir (C24) (350 kg/m ³) | 50 | 5423 | 239 |

Pull-over load F_u (N)



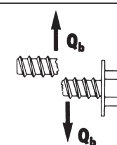
| Material | Sheet thickness Part I in mm | Washer T19 | |
|---------------------------------|---------------------------------|------------|-----|
| | | \bar{x} | s |
| Kingspan Composite- panel | 0,50 | 4101 | 212 |
| | 0,65 | 6083 | 286 |
| | 0,90 | 7987 | 426 |
| | 2 x 0,50 | 6070 | 253 |
| | 2 x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

Tensile breaking load Z_b (N)



$$\geq = 15000$$

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.