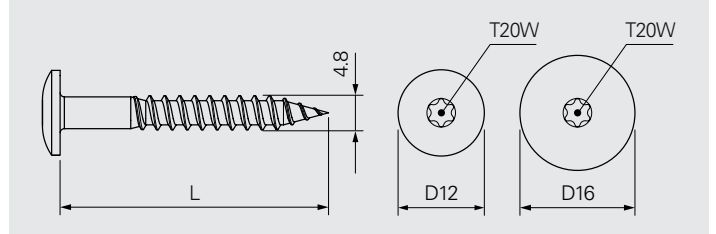
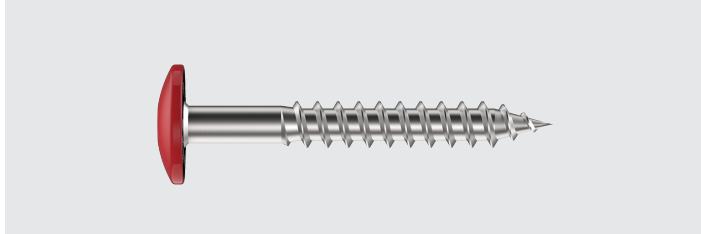


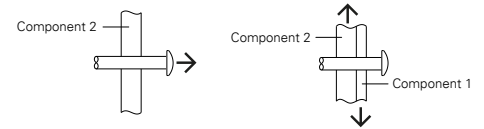
# TW-S-4.8



## Specification TW-S-4.8

Fastener: Stainless steel A2

## Performance



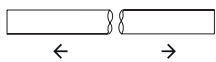
| Component 2 |                       |          | Tension resistance [N] | $N_{Rk}$ | Shear resistance [N] | $V_{Rk}$ |
|-------------|-----------------------|----------|------------------------|----------|----------------------|----------|
| Material    | $\rho_{k,min}$        | $l_{ef}$ |                        |          |                      |          |
| Timber      | 350 kg/m <sup>3</sup> | 16.0     |                        | 785      |                      | 860      |
|             |                       | 20.0     |                        | 1100     |                      | 1205     |
|             |                       | 26.0     |                        | 1571     |                      | 1721     |
|             |                       | 30.0     |                        | 1885     |                      | 2020     |
|             |                       | 40.0     |                        | 2670     |                      | 2216     |
|             |                       | 50.0     |                        | 3456     |                      | 2413     |

Shear resistance figures valid with a dummy material Component 1 out of steel

## Essential characteristics

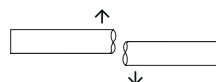
### Yield moment $M_{y,k}$

5.27 Nm



### Pullout parameter $f_{ax,k}$

19.9 N/mm<sup>2</sup>,  
tested with  $l_{ef} = 30$  mm and  $\rho_k = 447$  kg/m<sup>3</sup>



### Tensile breaking load $Z_b$

7000 N

### Shear breaking load $Q_b$

5500 N

$l_{ef}$ : Effective screw-in length in timber  
 $\rho_k$ : Density  
 $R_k$ : Characteristic resistance of fastenings

All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. All measures in mm.  
 LA20120278 Zb, Qb, PB 311002373-1-2016