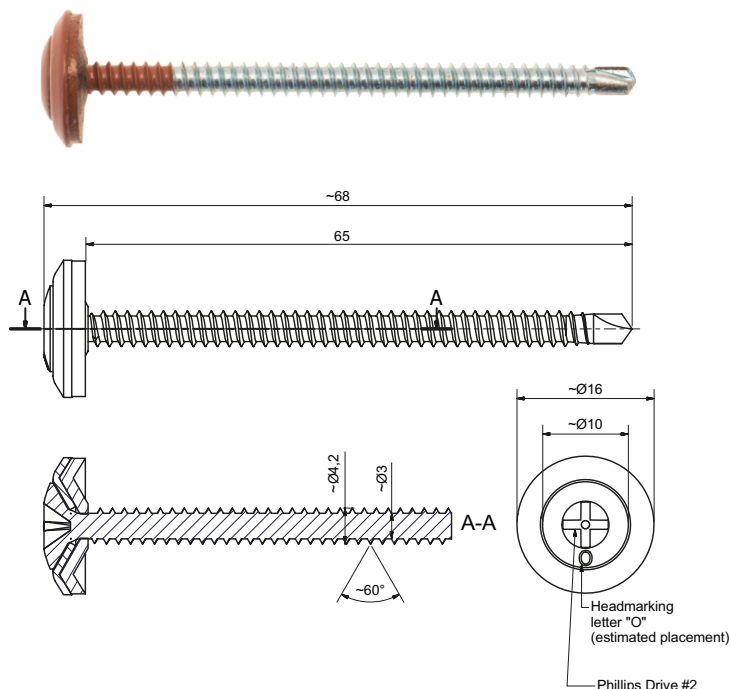


SCREW FOR ROOFING - 65 (+3) mm

TECHNICAL DATA SHEET

SELF DRILLING SCREW FOR FASTENING OF ROOFING SHEET TO STEEL/WOOD

| | |
|---------------------|---|
| Nominal diameter: | Ø4.2 mm |
| Length(L): | 65 (+3) mm |
| Head: | LP™ (low profile) head with Phillips drive |
| Material: | Carbon steel (C1016 - C1022) |
| Drill point: | #2S |
| Drill capacity: | Max. 3.0 mm (steel 280GD) |
| Washer: | Ø16mm M-washer in aluminium vulcanized EPDM rubber |
| Surface treatment: | Electroplated, 7 µm zink with blue chrome passivation |
| Service class: | 2 (acc. EN 1995-1-1) |
| Corrosion category: | C2 (acc. EN ISO 12944-6) |



TECHNICAL DATA

CARRYING CAPACITY

The carrying capacity is calculated in accordance to the current standards. The tensile capacity for the connection are the minimum values of the pullout values and the tensile resistance of the screw. The head pull-through resistances is not taken into account.

These theoretical values must be considered indicative since the conditions of the construction site may vary. Practical tests of the specific application are recommended for verification of the listed values.

ASSUMPTIONS

Supporting object: Steel S280GD - EN 10346

Supporting object: Structural timber, C24 ($\rho_k = 350 \text{ kg/m}^3$)

Fixed object: Roofing sheet

L_g = Setting depth of in the supporting object [mm]

F_{Rd} = Design resistance [kN]

The values are in kN (1kN \approx 100kg)

Safety factor: $\gamma_M = 1.35$, $k_{mod} = 0.90$

TENSILE CAPACITY IN STEEL

| L_g | 1,0 | 1,5 | 2,0 | 2,5 | 3,0 |
|----------|------|------|------|------|------|
| F_{Rd} | 0,50 | 1,09 | 1,46 | 1,82 | 2,18 |

TENSILE CAPACITY IN WOOD

| L_g | 20,0 | 25,0 | 30,0 | 35,0 |
|----------|------|------|------|------|
| F_{Rd} | 1,10 | 1,34 | 1,58 | 1,82 |

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