

STAINLESS WINDOW SILL SCREW

SCREW FOR FASTENING OF THIN GAUGE SHEETING TO WOOD

PH RX4 D X L SQ TC



PH	Pan head
RX4	Stainless steel A4
D	Diameter
L	Length
SQ	Drive type
TC	Thread cut

- Point with thread cut for better threading in hard wood
- Pan head for an aesthetic finish
- High corrosion and acid resistance
- Available in more than 500 colours (Qualicoat certified facade quality powder)



Square recess Corrosion category C5 Stainless steel A4

PRODUCT RANGE

Art.no.	Item name	Thread [mm]	Length L [mm]	Head [mm]	Unit
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MG/PG: 06 8060 PH RX4 3.5 X L SQ TC

13071	PH RX4 3.5 X 25 SQ TC	Ø3.5	25	Ø6.9 SQ1	500
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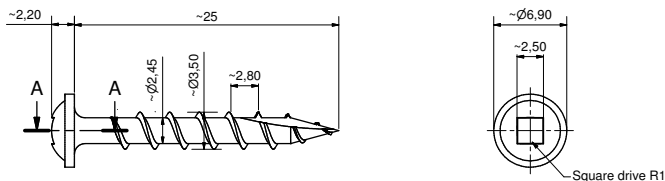
TYPICAL APPLICATION

- Fastening of flashings to window sills



TECHNICAL DATA

Outer diameter, D	[mm]	3.5
Inner diameter, d	[mm]	2.5
Head diameter, d_k	[mm]	6.9
Drillpoint diameter, d_p	[mm]	-
Drill point length, l_p	[mm]	-
Pitch, P	[mm]	2.8
Drive type, R	[-]	SQ1



DESIGN RESISTANCE

The design resistance of the screw is determined in accordance with EN 1993-1-3:2006 + AC:2009, Eurocode 3 for steel structures and EN 1995-1-1:2004 + AC:2006 + A1:2008 + A2:2014, Eurocode 5 for timber structures

The resistance when loaded in tension, N_{Rd} , appears from the table on the right and is the minimum value of the pull-out resistance of the supporting object, the pull-through resistance of the fixed object, and the tension resistance of the screw.

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

Assumptions:

Fixed object: Steel S280GD - EN 10346

Supporting object: Structural wood, C24

Density, $\rho_k = 350 \text{ kg/m}^3$

L = Length of the screw [mm]

t = Thickness of the fixed object [mm]

All resistances are stated in kN (1 kN \approx 100 kg)

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

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Design resistance when loaded in tension, N_{Rd} [kN]		
t	L	
		25
0.50		0.46
0.55		0.51
0.63		0.58
0.75		0.62
0.88		0.62
1.00		0.62
1.13		0.61
1.25		0.61