



PRODUCT DATASHEET

Self-Tapping Concrete Screw

Product Details

Purpose:	Fixing wood, metal or PVCu frames to masonry.
Head style:	Countersunk
Drive:	Torx 30
Drill Point:	Sharp point
Thread Form:	Course thread with 'V' Fluting
Material Grade:	Carbon Steel (C1022)
Coating:	Electroplated zinc with clear passivation
Effective Thread Length:	Fully Threaded
Recommended Drill Speed:	1500 – 2500RPM
Recommended Embedment Depth:	45mm

Self Tapping Concrete Screw - Products for use in masonry Applications

SKU	Nominal Dimensions, dnom x Lnom (mm)	Pre-Drill Hole Diameter (mm)
STCS42	7.5 x 42.0 mm	6.0
STCS52	7.5 x 52.0mm	6.5
STCS62	7.5 x 62.0 mm	
STCS72	7.5 x 72.0 mm	
STCS82	7.5 x 82.0 mm	
STCS92	7.5 x 92.0 mm	
STCS102	7.5 x 102.0 mm	
STCS112	7.5 x 112.0 mm	
STCS122	7.5 x 122.0 mm	
STCS132	7.5 x 132.0 mm	
STCS152	7.5 x 152.0 mm	
STCS162	7.5 x 162.0 mm	
STCS182	7.5 x 182.0 mm	
STCS202	7.5 x 202.0 mm	
STCS212	7.5 x 212.0 mm	
STCS235	7.5 x 235.0 mm	
STCS252	7.5 x 252.0 mm	
STCS272	7.5 x 272.0 mm	
STCS302	7.5 x 302.0 mm	

Ultimate Withdrawal Resistance, N_{Rk} , from C35 Grade Concrete (N)

Diameter	Drill Point	Embedment Depth (mm)	
		35 (minimum embedment depth)	45 (recommended embedment depth)
7.5mm	Sharp	11,700	13,400

Ultimate Mechanical Performance

Property	Magnitude
Tensile Capacity, $F_{t,Rk}$ (N)	30,500 N
Shear Capacity, $F_{v,Rk}$ (N)	19,900 N

NOTE: NOTE: The results expressed in this document, unless stated otherwise, are determined from empirical testing in our UKAS accredited testing laboratory. Use of this document does not dispel nor alleviate designers and users of their statutory obligations pursuant to the Construction (Design and Management) Regulations 2015 or the Building Safety Act 2022. This document is provided, strictly: errors and omissions excepted, subject to change without notice and all rights reserved..
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