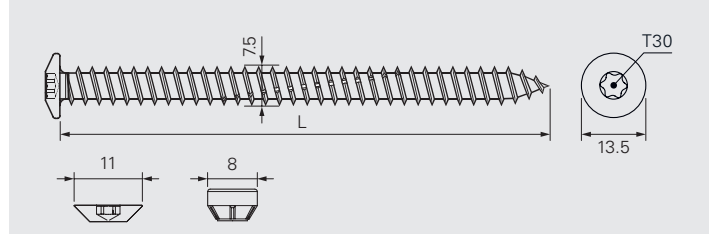
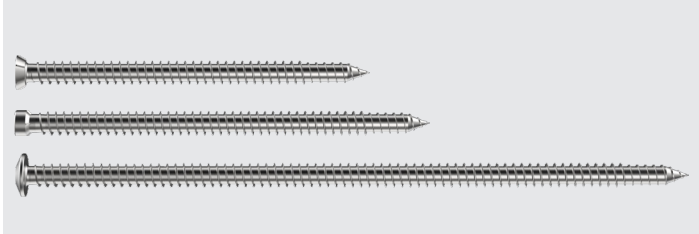


FB-7.5xL



Application

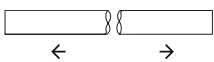
Carbon steel fastener for the plugless through fixing installation of windows and doors.

Guidelines for processing

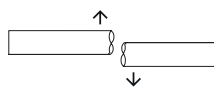
Speed 700 rpm under load minimum
 Output 500 W minimum
 Setting depth and pre-drilling-Ø depending on the wall type

Material	Coating	Design
Case hardened carbon steel	Zink coated and white passivated, gal Zn 8 B	Grooved thread Reduced thread tip diameter T30 recess

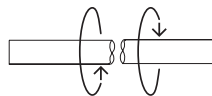
Essential characteristics



Tensile breaking load $Z_{b,k}$
20.32 kN



Shear breaking load $Q_{b,k}$
14.99 kN



Torsional breaking $M_{t,k}$
24.86 Nm

Calculation formula for F_{Rk} according to EN 1993-1-3 table A2 with γ_{M2} for $n=10$