

Area of Application

ESSVE Concrete screw Sandwich Element designed for the installation of sandwich elements against concrete, brick, hollow brick and wood. For installation in concrete, brick and hollow brick pre-drill using a 5.0 mm drill bit.

Description

The screw is equipped with a concrete thread and is manufactured of hardened steel with Ruspert surface treatment. Stainless steel washer with vulcanised EPDM rubber seal. It has a hex head.



Installation

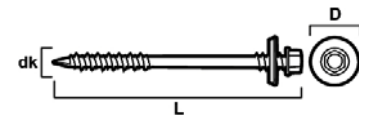
1. Drill hole \varnothing 5 mm through the insulation into the concrete wall. Drill depth min. 30 mm in the concrete.
2. Drive the screw through the sheet-metal and insulation into the concrete.

Specification

Material	Hardened steel SAE1022
Surface finish	Ruspert
Washer	Stainless steel \varnothing 19 mm with vulcanized EPDM rubber
Corrosion category	C3

Concrete screw Sandwich element screw with washer

Technical data and packing



Item no.	Dimensions dk x L mm	D mm	Drill \varnothing mm	Drill depth* mm	Grip length mm	Key width mm	Qty/pack.
10565100	6.3 x 100	19	5.0-5.2	35/-	70	8	500
10565102	6.3 x 120	19	5.0-5.2	35/-	80	8	500
10565104	6.3 x 140	19	5.0-5.2	35/-	110	8	400
10565106	6.3 x 160	19	5.0-5.2	35/-	130	8	400
10565108	6.3 x 190	19	5.0-5.2	35/-	160	8	350
10565110	6.3 x 210	19	5.0-5.2	35/-	180	8	300
10565112	6.3 x 260	19	5.0-5.2	35/-	230	8	200
10565114	6.3 x 310	19	5.0-5.2	35/-	280	8	100

* at recommended fixing depth in concrete

Accessories

Item no.	Designation	Qty/pack.
225002	Drill SDS 5.2x200/260	
225004	Drill SDS 5.2x250/310	1
9995677	Magnetic socket, 8 (5/16)x65	

Recommended fixing depth*)

Material	\varnothing 6.3
Concrete	25 mm
*) Drill depth = fixing depth + min. 10 mm	

Practical load capacity

Dimensions mm	Drill \varnothing mm	Installation depth mm	Tensile load kN Concrete C20/25	Transverse load kN Concrete C20/25	Min. edge spacing Tensile load mm	Min. edge spacing Transverse load mm	Min. spacing mm	Tightening torque Nm
\varnothing 6.3	5.0	25	0.8/80	1.4/140	40	50	100	10

Practical load capacity x 1.32 = Ultimate design load value for calculations in accordance with Eurocode.

Applied safety factors are in accordance with Boverket's General Guidelines 1993:1, Type approval of fixing.