Area of Application

ESSVE Eye concrete screw designed for quick and easy fixing in concrete, brick and hollow block.

Description

Specially hardened screw that is can be screwed directly into a drilled hole without a plug. It is fully threaded with a "hi-lo" thread which facilitates installation. The screw is made of steel with a bright zinc plated surface treatment.
Generally, the loading capacity is improved by increasing the fixing depth. For fixing in materials other than

concrete a pull-out test should be made according to the evaluation method approved by Boverket, (The Swedish National Board of Housing, Building and Planning) to produce an applicable
practical load bearing capacity. The concrete screw is also tested and approved for pulsating loads.

Installation

An torque controlled power driver is recommended for installation . Use ESSVE Installation tool
for Eye concrete screw during installation.

Installation

1. Drill a hole. Roughly clean the drill hole from drill cuttings by moving the hammer drill back and forth 2-3 times.	2. Insert the installation tool in the impact wrench.	3. Insert the eye concrete screw in the installation tool and screw in place.	4. The installation is finished.

Specification

Material	Steel
Surface treatment	Bright zinc plated
Corrosion categories	C1

Eye concrete screw

Technical data and ESSBOX pack

Item no.	Dimension dk × W mm	L mm	D mm	Drill Ø mm	ESSBOX size	Qty/ pack.	Pack./ large pack.
105275	6,3×30	48	6,45	5	202	100	12

Accessories

Item no.	Designation	Qty/ pack.
105276	Installation tool Eye concrete screw	1

Recommended fixing depth*)

Material	Ø 6.3
Concrete	25 mm
Brick	40 mm
Hollow core slab	50 mm
*) Drill depth = fixing depth + min. 10 mm	

Practical load capacity

Dimension mm	Installation depth mm	Tensile load kN Concrete C20/25	Transverse load kN Concrete C20/25	Min. edge distance Tensile load mm	Min. edge distance Transverse load mm	Min. spacing mm	Tightening torque Nm
Ø 6.3	25	0,8	1,4	40	50	100	10
Applied safety factors according to the Boverket's General Guidelines 1993:1, Type approval of fixings.							

C1