

# CONCRETE SCREW EUS2-HF, HEX FLANGE, ZINC PLATED

## AREA OF USE

ESSVE Concrete Screw EUS2-HF is a high-performance screw that is quickly installed and offers high load values. The screw is designed for both permanent and temporary installations where reliability is crucial. Common temporary applications include guardrails and wall braces.

## DESCRIPTION

A unique advantage of the Concrete Screw EUS2-HF is its third-party approved re-use capability in temporary installations, making it a more sustainable and cost-effective choice. After disassembly, the screw can be re-used if the wear on the threads is first checked with ESSVE's special test sleeve. Even if the concrete screw is not re-used immediately, the easy disassembly is also a benefit compared to other concrete fastenings for when the construction component the screw is used in has ultimately reached its intended lifespan. The screw is also suitable for permanent installations where steel or wooden components need to be securely fastened to concrete, such as handrails or beams. The screw is CE marked based on our ETA for installation in both cracked and non-cracked concrete (so called ETA Option 1), ensuring its versatility and reliability in various construction applications. The smallest dimension in the range 7.5(6) also has a separate ETA for installation in hollow core slabs. ESSVE Concrete Screw EUS2-HF features a hexagon head with a flange and is made of special hardened steel with electro zinc plated surface treatment (C1), suitable for heated indoor environments. The screw's thread enables quick installation while achieving high load values. The induction-hardened tip easily cuts threads in both soft and hard concrete (C20/25 - C50/60), while the ductile shaft reduces the risk of steel damage at high tightening torques or when the drill hole is not perfectly perpendicular. Concrete Screw EUS2-HF is also available in zinc flake or stainless versions for more corrosive outdoor applications. Note that the stainless steel screw is not third-party approved for re-use.

## INSTALLATION INSTRUCTIONS

The first value indicated in the product dimension is the outer thread measurement, and the value in parentheses indicates which drill bit should be used, e.g., "10,5(8)". Clean the hole after drilling, or drill deep enough to ensure that drilling debris does not prevent the correct installation depth. For optimal installation, the use of an impact driver is recommended. The concrete screw does not require a reaching a specific tightening torque to ensure correct installation, which is needed for wedge anchors. When the screw head reaches the fastening detail, the installation is complete. Avoid over-tightening the screw by not exceeding the torque specified on the packaging.



Concrete



Hollow-core



Lightweight concrete



Stone



Brick

Specification	
Surface treatment	Zinc plated
Corrosion resistance class	C1
Application environment	Indoors



Standard Pro Pack												
Item no	Diameter	Length	Diameter of head	Thread length	Fixture thickness	Drill bit diameter	Drill depth	Anchoring depth	Socket	Packaging	Contents	CE
10004685	10,5 mm	50 mm	16 mm	55 mm	5 mm	8 mm	55 mm	45 mm	13 mm	ESSBOX 204	50 PCS	✓
10004687	10,5 mm	70 mm	16 mm	55 mm	25/15/5 mm	8 mm	55/65/75 mm	45/55/65 mm	13 mm	ESSBOX 203	40 PCS	✓
10004689	10,5 mm	90 mm	16 mm	55 mm	45/35/25 mm	8 mm	55/65/75 mm	45/55/65 mm	13 mm	ESSBOX 203	30 PCS	✓
10004691	10,5 mm	120 mm	16 mm	55 mm	75/65/55 mm	8 mm	55/65/75 mm	45/55/65 mm	13 mm	ESSBOX 204	30 PCS	✓
10004692	10,5 mm	140 mm	16 mm	55 mm	95/85/75 mm	8 mm	55/65/75 mm	45/55/65 mm	13 mm	ESSBOX 204	30 PCS	✓
10004693	12,5 mm	60 mm	20 mm	75 mm	5 mm	10 mm	65 mm	55 mm	15 mm	ESSBOX 203	25 PCS	✓
10004695	12,5 mm	80 mm	20 mm	75 mm	25/5 mm	10 mm	65/85 mm	55/75 mm	15 mm	ESSBOX 203	20 PCS	✓
10004697	12,5 mm	100 mm	20 mm	75 mm	45/25/15 mm	10 mm	65/85/95 mm	55/75/85 mm	15 mm	ESSBOX 204	25 PCS	✓
10004698	12,5 mm	120 mm	20 mm	75 mm	65/45/35 mm	10 mm	65/85/95 mm	55/75/85 mm	15 mm	ESSBOX 204	20 PCS	✓
10004713	16,5 mm	80 mm	28,5 mm	75 mm	5 mm	14 mm	85 mm	75 mm		ESSBOX 203	10 PCS	✓
10004714	16,5 mm	110 mm	28,5 mm	75 mm	35/10 mm	14 mm	85/110 mm	75/100 mm		ESSBOX 204	10 PCS	✓