

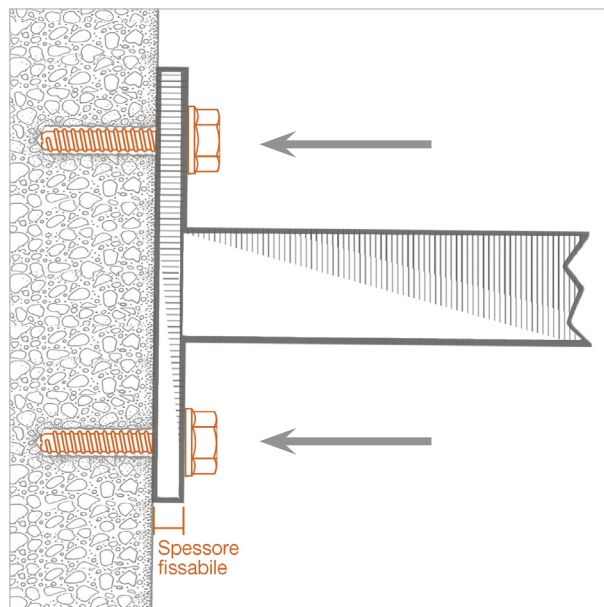
VTE CLS SM Threaded hex head concrete screw

APPLICATION

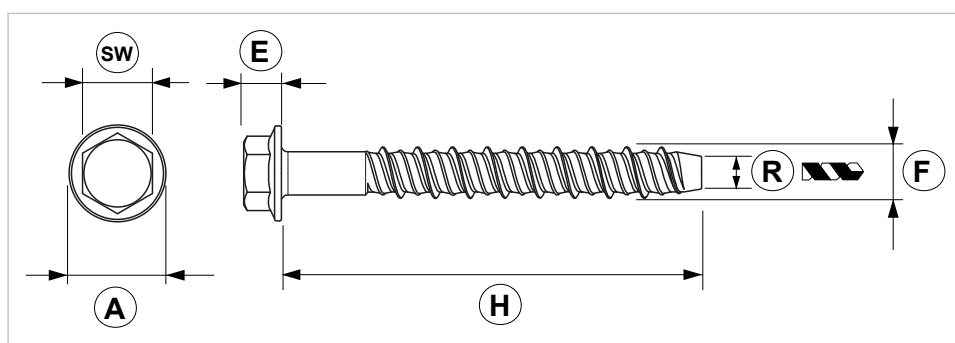
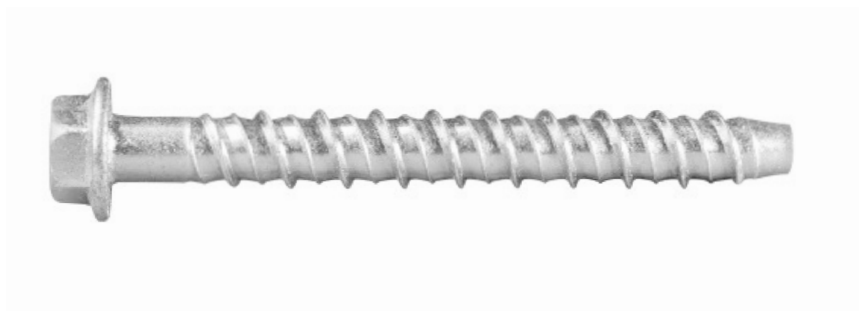
Through fixings on concrete.

FEATURES AND BENEFITS

- > **TWO STEPS REVOLUTION: drill and screw** to save about 50% of time when compared to traditional installations.
- > Outstanding load performance thanks to **friction and undercut strengths**.
- > **Extremely solid fixings** even close to the edges.
- > The anchor can be removed.
- > Its specific thread ensures **high performances even with small hole diameters**.
- > Suitable both for **standard and narrow fixing depths**.
- > It guarantees **high performances both on cracked and non-cracked concrete**.



ETA 17/0806



COD	TYPE	Core dimension	A	SW	E	F	H	R
130051	VTE CLS 8x60 SM	8	18	13	8	10	60	8
130053	VTE CLS 10x60 SM	10	22	15	9	12,5	60	10
130055	VTE CLS 10x85 SM	10	22	15	9	12,5	85	10
130057	VTE CLS 10x100 SM	10	22	15	9	12,5	100	10

ANCHORS AND SEALANTS

METAL ANCHORS

MATERIALS TECHNICAL DATA

ANCHOR

Steel with electro zinc plating 7-8 µm

BASE MATERIAL

Cracked concrete class C20/25 - C50/60

Non-cracked concrete class C20/25 - C50/60

Natural stone - Reinforced concrete - Non-reinforced concrete

RECOMMENDED LOADS

RECOMMENDED LOADS ON C20/25 CONCRETE

TYPE	Tensile strength		Shear	
	Cracked concrete	Non-cracked concrete	Cracked concrete	Non-cracked concrete
VTE CLS 8x60 SM	450	700	500	720
VTE CLS 10x60 SM	530	800	580	830
VTE CLS 10x85 SM	530	800	580	830
VTE CLS 10x100 SM	530	800	580	830

A= tensile strength.

Recommended load is the average resistance loads with a safety coefficient.

Data expressed in daN. 1daN=1kg.

Tested on non-cracked C20/25 concrete.

Min. support thickness = 110 mm for VTE CLS 8

Min. support thickness = 130 mm for VTE CLS 10

RECOMMENDED LOADS - C1-C2 SEISMIC PERFORMANCE ON C20/C25 CONCRETE

TYPE	Tensile strength sinking during extraction		Shear with steel sinking without lever	
	C1	C2	C1	C2
VTE CLS 8x60 SM	450	157	1500	990
VTE CLS 10x60 SM	530	450	2700	2000
VTE CLS 10x85 SM	530	450	2700	2000
VTE CLS 10x100 SM	530	450	2700	2000

APPLICATION CONDITIONS in mm

TYPE	Hole Ø	Min. drilling depth	Min. Distance from the edge	Min. center-to-center distance	Min. support thickness	Max fixable thickness
VTE CLS 8x60 SM	8	80	50	50	110	10
VTE CLS 10x60 SM	10	80	60	60	130	5
VTE CLS 10x85 SM	10	95	60	60	130	30
VTE CLS 10x100 SM	10	95	60	60	130	45

INSTALLATION TOOLS AND RECOMMENDATIONS

Drill with proper drill bit, and impact wrench. Minimum tightening torque required is 80 Nm.

PACKAGING

In cardboard box

DATE 06-2023 REV. 01

The current technical data sheet substitutes and cancels the previous ones. The details provided fit our current knowledge of the product. It cannot lead us to any sort of responsibility or compensation.

Gia S.p.A. reserves the right of changing technical features and molds without notice.

This company is subject to "Ethica Global Investments S.p.A." management.

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