

through-setting heavy duty anchors

Vorpa TOP security anchor

Steel anchor



concrete



natural
stone



solid brick

products group



TOP AF
with zincplated steel
shear nut AF



*** TOP AE**
with A2 stainless steel
shear nut

Suitable for

- concrete
- natural stone
- solid brick

To fix

- window and door frames
- gates
- railings
- iron bars
- traffic signals
- garden fittings



product information

Characteristics

- through steel anchor composed of anti-rotation cold formed body and expansion conical nut with shear nut.
- anti-rotation during the installation procedure
- possibility of pre-setting applications and through-setting applications
- smooth expansion thanks to the three sectors body
- shear nut

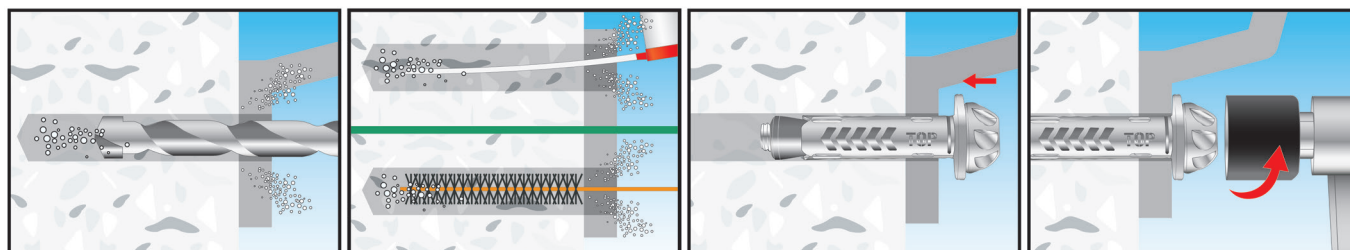
Installation

- through-setting anchor

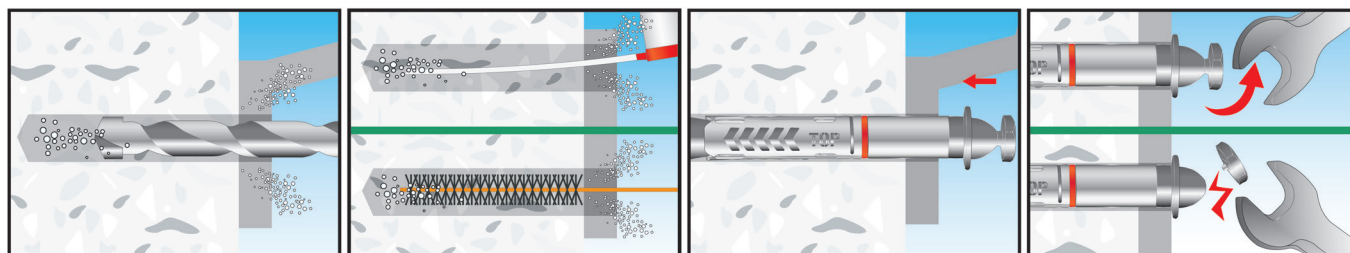
Suggestion for use

- choose the right size of the anchor according to the load
- always check load bearing capacity values in the table
- respect the installation data
- **clean the hole before the installation**

installation sequence



Anchor TOP AF



Anchor TOP AE

Examples of applications



through-setting heavy duty anchors

Vorpa TOP security anchor

Steel anchor



concrete



natural stone



solid brick

product code and technical data

TOP AF security anchor

TOP AF sleeve anchor is a through fixing, thus ensuring fast and simple installation. Ideal for many security applications in a wide variety of base materials. The unique AF drive permanent nut offers an accurate torque controlled security fixing which can be re-torqued if necessary.



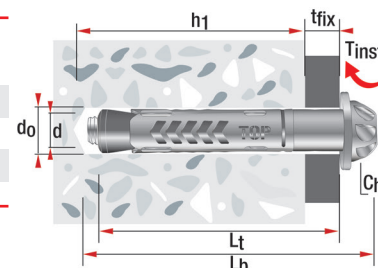
TOP AF ZINCATO
with zincplated steel
shear nut AF



AF DRIVER SOCKET AND AF
PERMANENT NUT

Code	Description		L _t mm	Screw d x L _b mm	d ₀ mm	h ₁ mm	t _{fix} max mm	T _{inst} Nm	Ch
7578	TOP AF	12/5-51	51	M8x55	12	55	5	15	AF M8
7562	TOP AF	12/25-71	71	M8x75	12	55	25	15	AF M8
7563	TOP AF	12/45-91	91	M8x95	12	55	45	15	AF M8

Code	Description	Internal thread		Nut	TOP AF anchor
72589	AF	M8		art. 72590	art. 7578/7562/7563
72592	AF	M10		art. 72591	-
72590	DADO AF	M8	M8		
72591	DADO AF	M10	M10		



h₁ = Min. hole depth
L_t = Anchor length
L_b = Stud length
d₀ = Hole diameter
d = Screw diameter
t_{fix} = Fixture thickness
T_{inst} = Torque
Ch = Spanner

TOP AE security anchor

Security anchors with shear nut for final fixing of windows, iron fences, gates, etc. Suitable for every compact building materials. Exceeding a torque of 19 Nm the hexagonal head takes off giving no chance to slip off the fixing. Hexagonal head and washer are made in A2 Stainless Steel.

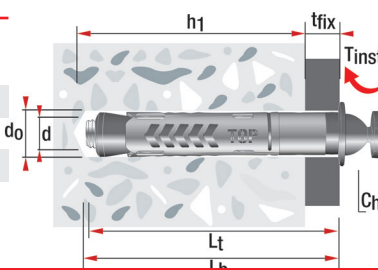


TOP AE
with A2 stainless steel shear nut



Code	Description		L _t mm	Screw d x L _b mm	d ₀ mm	h ₁ mm	t _{fix} max mm	T _{inst} Nm	Ch
578	TOP AE	12/10-56	56	M8x55	12	55	10	*	15
562	TOP AE	12/30-76	76	M8x75	12	55	30	*	15
563	TOP AE	12/50-96	96	M8x100	12	55	50	*	15

* Approximate breaking torque at 19Nm



TOP security anchor

				TOP M8
Critical axial spacing	S _{cr}	mm		135
Critical edge distance	C _{cr}	mm		75
Minimum axial spacing	S _{min}	mm		90
Minimum edge distance	C _{min}	mm		70
Minimum structural thickness	h _{min}	mm		135

Permissible loads - applications in concrete C20/25

1 daN ≈ 1 kg

TOP AE 12 - M8	daN	400
TOP AF 12 - M8	daN	400

- Always respect the installation parameters
- In case of axial spacings or edge distances are inferior than the critical ones, it is recommended to reduce the application load
- The table shows the permissible loads for tension, shear and combined tension and shear loads