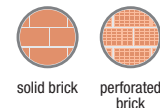


through-setting heavy duty anchors

Vorpa **VH AE security anchor**

Nylon plug



products group



VH AE
with stud and A2
stainless steel shear
nut

Suitable for

- solid brick
- perforated brick

To fix

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



product information

Characteristics

- special permanent temper-proof fixings as protection against burglary and thievery
- nylon plug with diagonal slots
- anti-rotation system during the installation
- possibility of pre-setting applications and through-setting applications
- smooth expansion thanks to the slots on the body
- shear nut
- the exagonal head takes off giving no change to slip off the fixing.

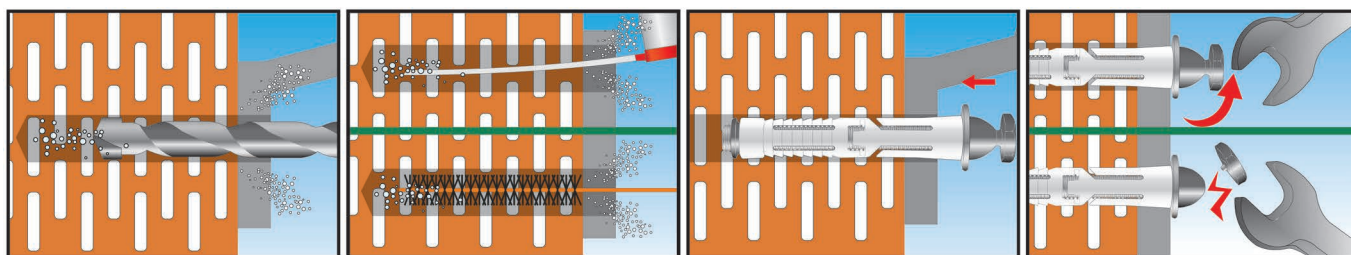
Installation

- 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

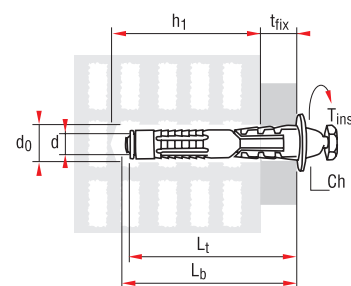


Clean the hole before the installation

Code	Description	L _t mm	Screw d x L _b mm	d _o mm	h ₁ mm	t _{fix} max mm	T _{inst} Nm	Ch
588	VH AE 12/5-70	70	M8x75	12	75	5	*	13
558	VH AE 12/25-95	70	M8x95	12	75	25	*	13

* Approximate breaking torque at 19Nm

Examples of applications



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

VHS security anchor

Permissible loads - applications in concrete C20/25

1 daN_1 kg

daN

150

- 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