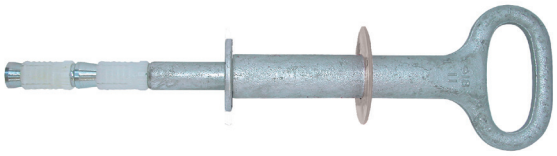
Vorpa **VT L**

Steel anchor for ropes and chains

concrete | solid brick | perforated brick

products group



Suitable for
- concrete
- solid brick
- perforated brick

To fix
- ropes
- chains

Tensioning ropes and chains

Ideal for applications on perforated brick coated by heat insulating panels and rigid insulation materials

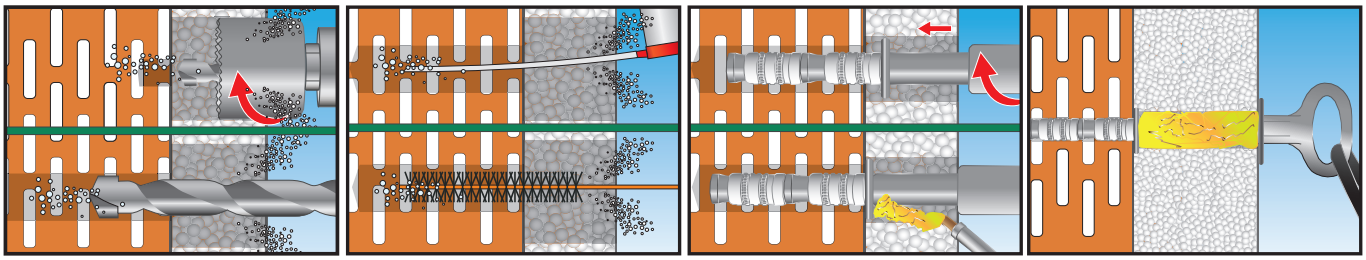
product information

Characteristics
- extralong eyebolt anchor made of galvanized steel composed of oval eyebolt, double nylon plug VT, steel washer Ø60mm and PVC red washer for tensioning ropes and chains on perforated brick coated by heat insulating panels and rigid insulation materials
- the eyebolt can be used several times thanks to the anchor spare part
- anti-rotation double nylon plug

Installation
- to be mounted aligned the wall

Suggestion for use
- make sure the scaffold and eyebolt are well positioned each other
- apply a proper safety factor according to the each situation
- always check load bearing capacity values in the table
- respect the installation data
- **clean the hole before the installation**

installation sequence



Drill the insulation panels with a cup with a centering tip. Drill the masonry with a Ø18 drill bit

Clean the hole by using proper cleaning brushes and pump

Insert the anchor in the hole and screw the eyebolt. Fill the hole in the insulation panel with expansion foam

Set the washer aligned to the wall. Installation completed

Examples of applications

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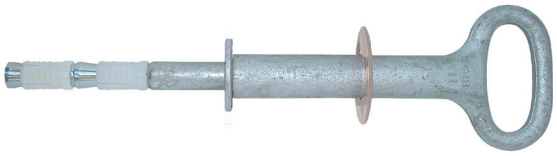
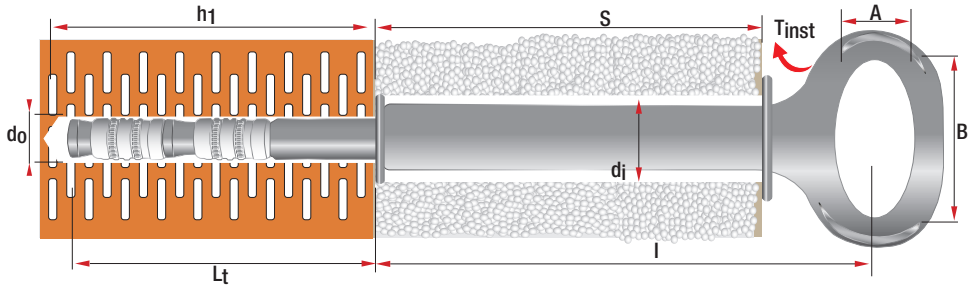
product code and technical data



VT L
with nylon plug
and PVC washer

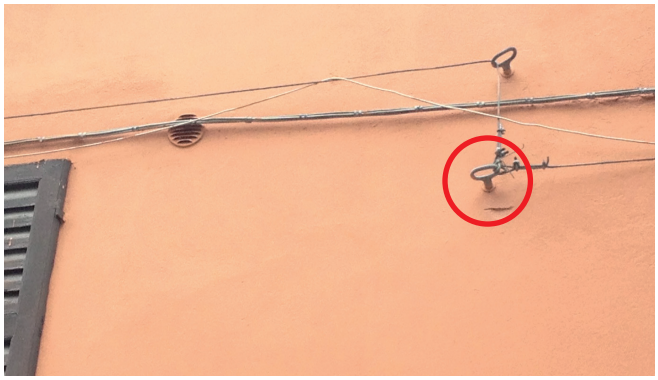
Ideal for applications on perforated brick coated by heat insulating panels and rigid insulation materials

Code	Description	d_i panel mm	d_o wall mm	L_t mm	Max panel thickness mm	h_1 mm	T_{inst} mm	A x B mm	l mm
3301	VT L Ø18/140-140	46	18	140	140	150	65	33 x 70	180
3304	VT L Ø18/140-200	46	18	140	200	150	65	33 x 70	240



d_i = Hole diameter in the panel
d_o = Hole diameter
L_t = Anchor length
h_1 = Min. hole depth
l = Axial spacing
S = Panel thickness
T_{inst} = Torque

Examples of applications



VT L

Pull-out values in daN for applications on concrete C20/25 — **1 daN≃1 kg**

2.100

Bending moment for applications on concrete C20/25

300 kg bending = permanent arrow 1 mm
550 kg bending = permanent arrow 30 mm

ATTENTION: An appropriate safety factor ≥ 3 should be applied on these values

- **As for applications on natural stones and solid bricks it is not possible to show specific loading values because of the various materials properties**
- **It is suggested to always make pull out tests before using the anchors**

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