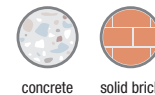


Vorpa AV OS L

Steel anchor for ropes and chains



products group



Suitable for

- concrete
- solid brick

To fix

- ropes
- chains

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

Tensioning ropes and chains

product information

Characteristics

- extralong torque controlled expansion anchor made of galvanized steel composed of anti-rotation cold formed body, expansion conical nut, eyebolt Ø25mm, steel washer and PVC washer for tensioning ropes and chains on solid brick coated by heat insulating panels and rigid insulation materialst
- the eyebolt can be used several times thanks to the anchor spare part
- anti-rotation during the installation procedure
- three-part expansion sleeve allows even load distribution and small edge and axial spacing

Installation

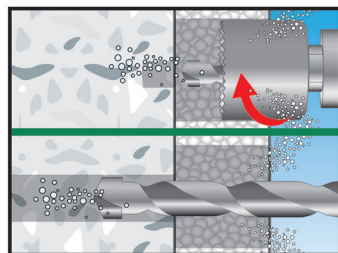
- to be mounted aligned the wall

Suggestion for use

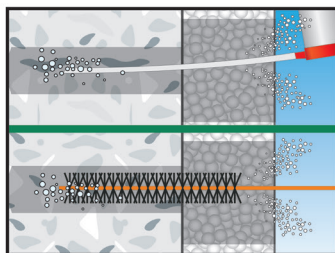
- make sure the scaffold and eyebolt are well positioned each other
- apply a proper safety factor according to the each situation
- always check load bearing capacity values in the table
- respect the installation data
- **clean the hole before the installation**

installation sequence

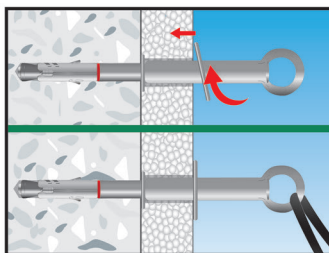
1) installation procedure



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

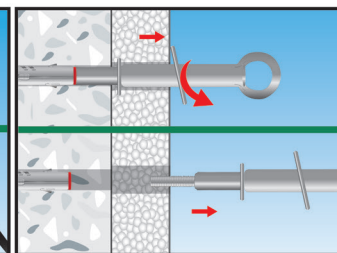


Clean the hole by using proper cleaning brushes and pump



Insert the anchor in the hole. Screw the eyebolt applying the correct torque.
Installation completed

2) to re-use the eyebolt



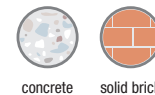
Unscrew the eyebolt and pull it out

Examples of applications



Vorpa AV OS L

Steel anchor for ropes and chains



product code and technical data



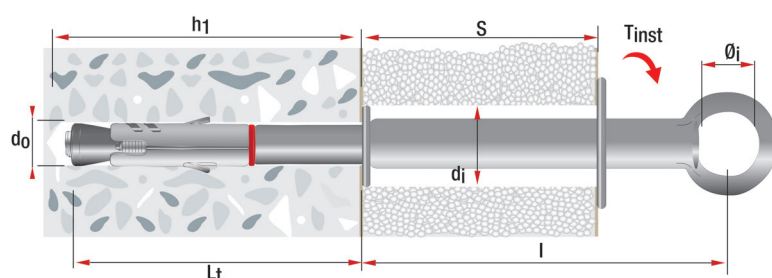
AV OS L
eyebolt Ø25

Ideal for applications on solid 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	Ø _i mm	l mm	T _{inst} Nm
3507	AV OS L Ø20/150-120	50	20	150	120	160	25	150	65
*3506	AV OS L Ø20/150-200	50	20	150	200	160	25	225	65
*3509	AV OS L Ø24/150-160	60	24	150	160	160	25	180	115

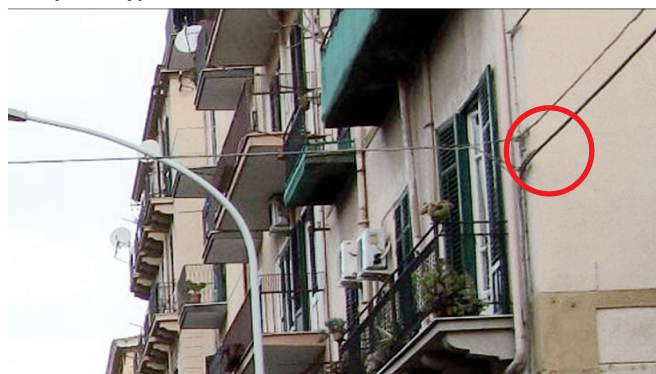
* Version without PVC washer

* Available from April 2022



d_i = Hole diameter in the panel
 d_o = Hole diameter
 L_t = Anchor length
 h₁ = Min. hole depth
 Ø_i = Internal diameter of the eyebolt
 l = Axial spacing
 S = Panel thickness
 T_{inst} = Torque

Examples of applications



AV OS L

Recommended loads in daN for applications on concrete C20/25

1 daN ≈ 1 kg

AV OS L Ø20/120	800*
AV OS L Ø20/200	800*
AV OS L Ø24/160	800*

* bending moment

Bending moment in daN for applications on concrete C20/25

1 daN ≈ 1 kg

AV OS L Ø20/120	340 kg bending = permanent arrow 0,4 mm 600 kg bending = permanent arrow 18 mm
AV OS L Ø20/200	200 kg bending = permanent arrow 4,0 mm 400 kg bending = permanent arrow 31 mm

AV OS L Ø24/160

650 kg bending = permanent arrow 4 mm

- 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