

Vorpa TOP VT

Steel anchor for ropes and chains



products group



- Suitable for**
- concrete
 - natural stone
 - solid brick

- To fix**
- ropes
 - chains

Italian Standard ENEL 278170

Tensioning ropes and chains

product code and technical data

Characteristics

- torque controlled expansion anchor made of galvanized steel composed of anti-rotation cold formed body, expansion conical nut and oval eyebolt for tensioning ropes and chains
- 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

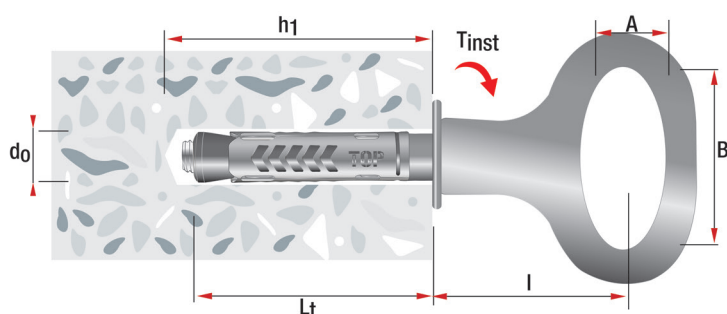
Installation

- to be mounted aligned the wall

Suggestion for use

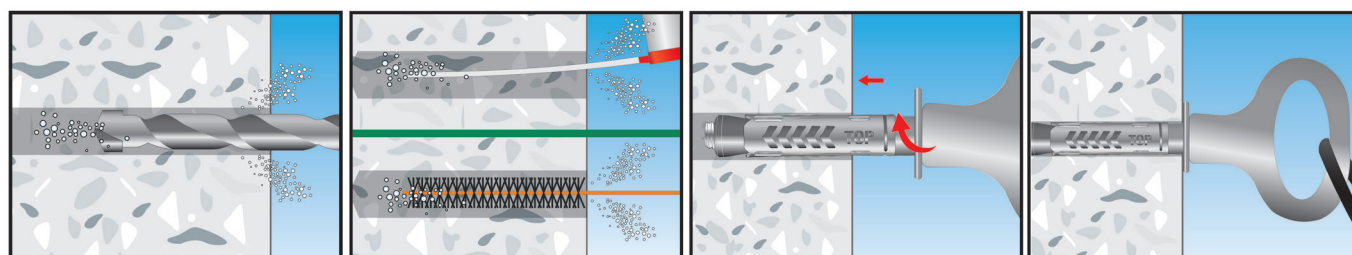
- apply a proper safety factor according to the each situation
- always check load bearing capacity values in the table
- respect the installation data
- **clean the hole before the installation**

Code	Description	d ₀ mm	L _t mm	h ₁ mm	l mm	A x B mm	T _{inst} Nm
302	TOP VT Ø18/90	18	90	100	65	33 x 70	65



d₀ = Hole diameter
 L_t = Anchor length
 h₁ = Min. hole depth
 l = Axial spacing
 T_{inst} = Torque

installation sequence



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			TOP VT
Critical axial spacing	S _{cr,N}	mm	280
Critical edge distance	C _{cr,N}	mm	150
Minimum thickness member	h _{min}	mm	250

Pull-out values in daN for applications on concrete C20/25

1 daN = 1 kg

Pull-out	2.100
Shear/flexural strength	3.500

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