

Vorpa VO

Brass anchor



wood



concrete



natural
stone



solid brick

products group



VO
no accessories



VO S
with double threaded
screw for wood column

Suitable for

- wood
- concrete
- natural stone
- solid brick

To fix

- railings
- profiles
- stairs
- wood columns

product information

Characteristics

- brass anchor for metric screws
- the version VO S is composed of a brass anchor and a double threaded screw for wood column
- smooth expansion thanks to the slots on the body
- special surface structure prevents it rotating in the hole
- expansion carried out by screwing the accessory

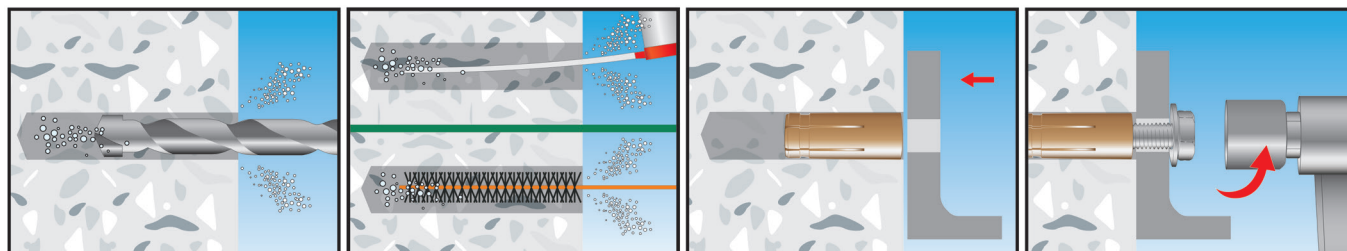
Installation

- pre-setting anchor

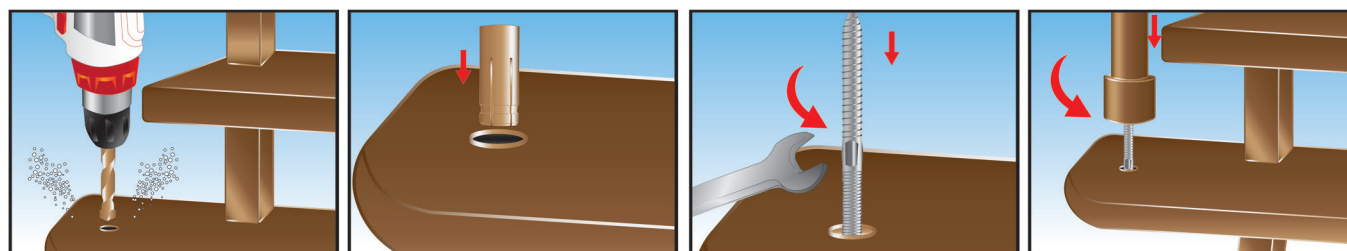
Suggestion for use

- 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 VO



Anchor VO S

Examples of applications





wood



concrete



natural
stone



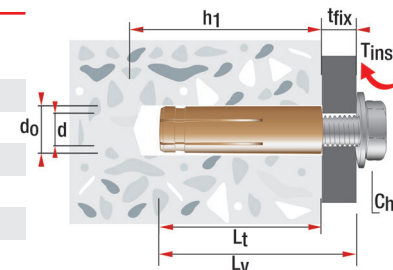
solid brick

product code and technical data



VO
no accessories

Code	Description	L_t mm	For screw mm	d_0 mm	h_1 mm
50580	VO 4	16	M4	5	20
581	VO 5	22	M5	6,5	30
582	VO 6	24	M6	8	30
583	VO 8	30	M8	10	35
584	VO 10	35	M10	12	40
585	VO 12	40	M12	15	45
50587	VO 16	45	M16	20	50

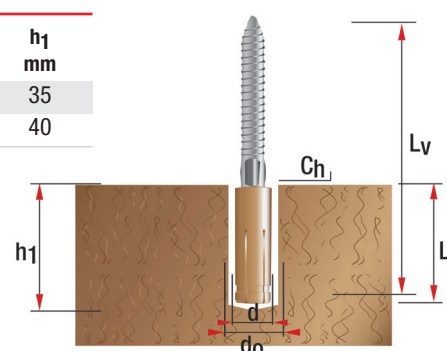


h_1 = Min. hole depth
 L_t = Anchor length
 L_v = Screw length
 d_0 = Hole diameter
 d = Screw diameter
 t_{fix} = Fixture thickness
 t_{inst} = Torque
 Ch = Spanner

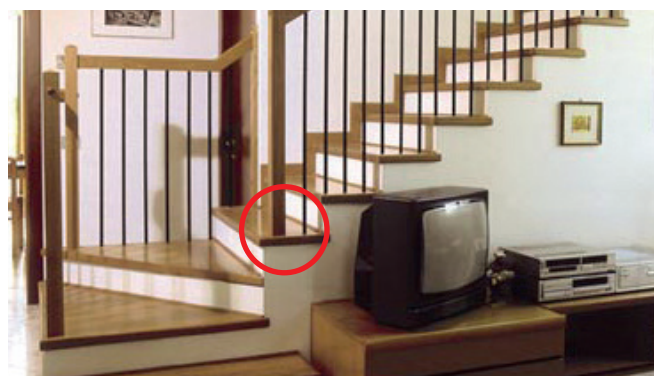


VO S
with double threaded
screw for wood column

Code	Description	L_t mm	Screw $d \times L_v$ mm	d_0 mm	h_1 mm
408	VO S 8/90	30	M8x90	10	35
409	VO S 10/120	35	M10x120	12	40



Examples of applications



VO - VO S

		VO M5	VO M6	VO M8	VO M10	VO M12	VO M16
Permissible loads - applications in concrete C20/25							1 daN_1 kg
VO	daN	50	140	200	250	340	450

- 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