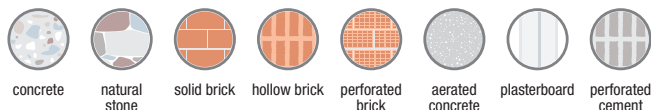


Vorpa VK

Universal nylon plug



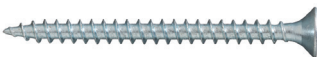
products group



VK
no accessories

- Suitable for
- concrete
- natural stone
- solid brick
- hollow brick
- perforated brick
- aerated concrete
- plasterboard
- perforated cement

- To fix**
- light carpentry
 - curtains slide guides
 - bath accessories
 - lamps, paintings
 - post boxes
 - satellite dishes
 - wall cupboards



VK V
with chipboard screw



VK C
with pan head screw



VK T
with hexagonal head screw
and washer



product information

Characteristics

- 4 way expansion form nylon plug
- easy and quick fixings thanks to the four segments of the body
- anti-rotation lugs stop the plug rotating in the drill hole
- the fixing's collar prevents it slipping into the drilled hole
- nylon safety and reliability
- temperature resistant from -40°C to +80°C
- to be used with wood and clipboard screws

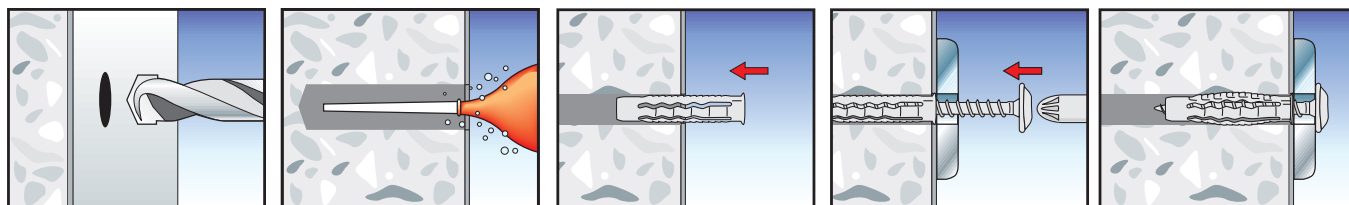
Installation

- to be mounted aligned the wall

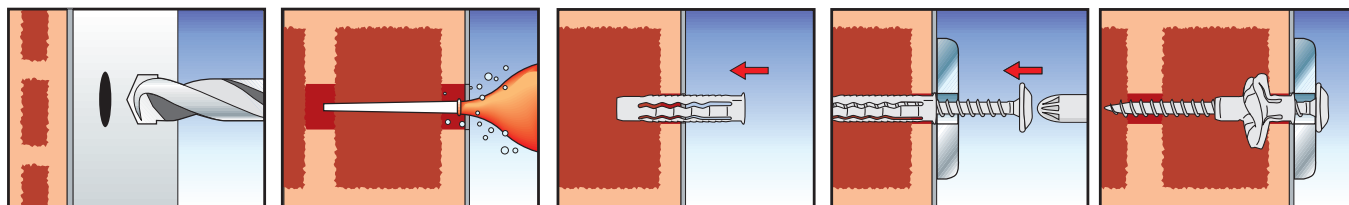
Suggestion for use

- always consider an appropriate safety factor
- check load bearing capacity values
- respect the installation data
- clean the hole before the installation

installation sequence



On solid brick

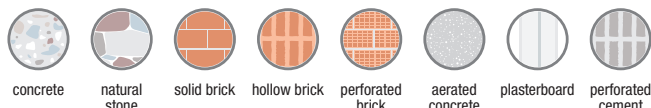


On hollow brick

Clean the hole before the installation

Vorpa VK

Universal nylon plug

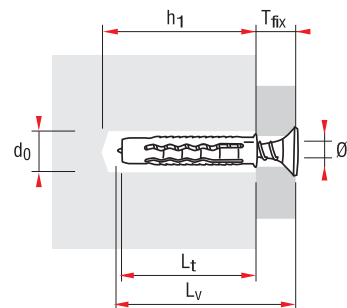


product code and technical data



VK
no accessories

Code	Description	$d_0 \times L_t$ mm	h_1 mm	\emptyset_V mm
4720	VK 5	5 x 25	35	3÷4
4721	VK 6	6 x 30	45	4÷5
4722	VK 8	8 x 40	55	4,5÷6
4723	VK 10/50	10 x 50	65	6÷8
4724	VK 10/60	10 x 60	75	6÷8
4725	VK 12	12 x 60	80	8÷10
4726	VK 14	14 x 70	90	10÷12



- L_t = Plug length
- h_1 = Min. hole depth
- d_0 = Hole diameter
- T_{fix} = Fixture thickness
- \emptyset_V = Screw diameter
- L_V = Screw length
- Ch = Spanner

Screw length calculation: $L_V > L_t + T_{fix}$



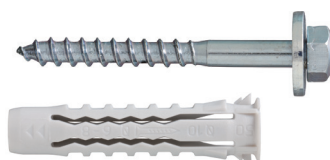
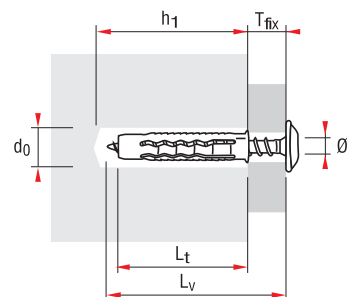
VK V
with chipboard screw

Code	Description	$d_0 \times L_t$ mm	h_1 mm	T_{fix} mm	$\emptyset_V \times L_V$ mm
4735	VK V 5	5 x 25	35	5	3,5 x 30
4736	VK V 6	6 x 30	45	10	4,5 x 40
4737	VK V 8	8 x 40	55	10	5 x 50
4738	VK V 10	10 x 50	65	10	6 x 60



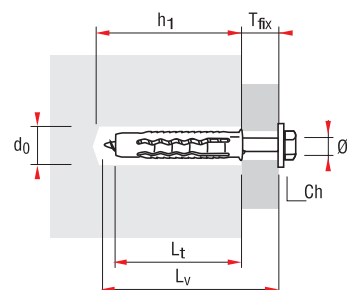
VK C
with pan head screw

Code	Description	$d_0 \times L_t$ mm	h_1 mm	T_{fix} mm	$\emptyset_V \times L_V$ mm
4720C	VK C 5	5 x 25	35	5	3,5 x 30
4721C	VK C 6	6 x 30	45	10	4,2 x 40
4722C	VK C 8	8 x 40	55	10	4,8 x 50



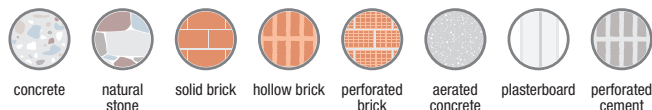
VK T
with hexagonal head screw
and washer

Code	Description	$d_0 \times L_t$ mm	h_1 mm	Ch mm	T_{fix} mm	$\emptyset_V \times L_V$ mm
4722T	VK T 8	8 x 40	55	10	5	6 x 45
4723T	VK T 10	10 x 50	65	12	10	7 x 60
4725T	VK T 12	12 x 60	80	13	10	8 x 70
4726T	VK T 14	14 x 70	90	17	5	10 x 80
4727T	VK T 14 10/110	14 x 70	90	17	20	10 x 110



Vorpa VK

Universal nylon plug



technical data

VK V - VK C

Substrate materials	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14
Permissible loads in daN with wood screws of specified diameter						
Ø screws (mm)	4	5	6	8	-	-
Concrete C20/25	30	65	75	125	-	-
Solid brick**	16	22	42	80	-	-
Perforated brick**	10	12	21	25	-	-
Aerated concrete	10	10	15	25	-	-

** Indicative loading values due to the various materials properties.

ATTENTION: An appropriate safety factor ≥ 5 should be applied on these values

VK T

Substrate materials	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14
Permissible loads in daN with wood screws of specified diameter						
Ø screws (mm)	-	-	6	7	8	10
Concrete C20/25	-	-	90	125	150	195
Solid brick**	-	-	50	80	100	150
Perforated brick**	-	-	25	40	50	75
Aerated concrete	-	-	15	30	35	45

**Indicative loading values due to the various materials properties.

ATTENTION: An appropriate safety factor ≥ 5 should be applied on these values

VK

Substrate materials	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14
Permissible loads in daN with wood screws in assortment						
Ø screws (mm)	4	5	6	8	10	12
Concrete C20/25	20	43	50	83	95	120
Solid brick**	10,5	14,5	28	53	60	90
Perforated brick**	6,5	8	14	16	30	45
Aerated concrete	6,5	6,5	11	16	20	25

** Indicative loading values due to the various materials properties.

ATTENTION: An appropriate safety factor ≥ 5 should be applied on these values

Examples of applications

