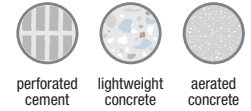


Vorpa HZB

Nylon plug



perforated cement lightweight concrete aerated concrete

products group



Suitable for

- perforated cement
- lightweight concrete
- aerated concrete

To fix

- light carpentry
- lamps, paintings
- post boxes
- satellite dishes
- wall cupboards
- wall mounting for TV and radio
- pipe clamps

product information

Characteristics

- external threaded nylon plug suitable for applications on lightweight concrete blocks (e.g. GASBETON).
- easy and quick fixings thanks to the external thread
- the fixing's collar prevents it slipping into the drilled hole
- nylon safety and reliability
- to be used with chipboard screws, and metrical screws
- possible close to edge applications
- temperature resistant from -40°C to +80°C

Installation

- to be mounted aligned the wall

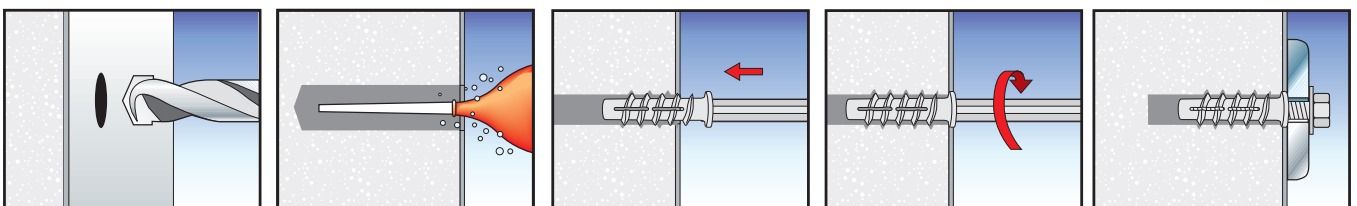
Suggestion for use

- always consider an appropriate safety factor
- check load bearing capacity values
- respect the installation data
- clean the hole before the installation
- drill the base material without using roto-percussion

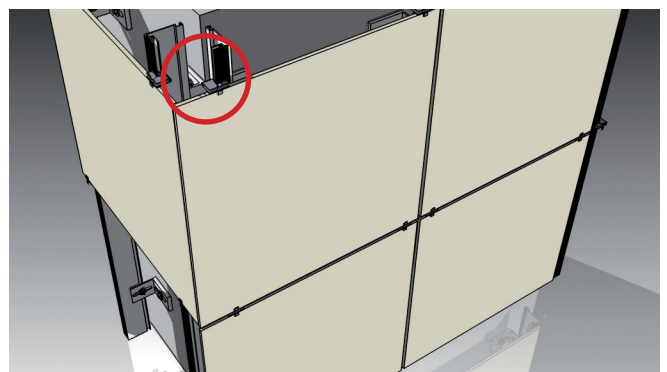
universal and frame fixings

installation sequence

Clean the hole before the installation

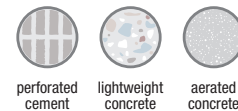


Examples of applications



Vorpa HZB

Nylon plug

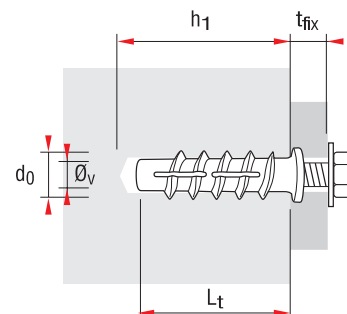


perforated cement lightweight concrete aerated concrete

product code and technical data



Code	Description	d_0 mm	L_t mm	h_1 mm	ch mm	\varnothing_v thread mm	\varnothing_v screw mm
2766	HZB 10/50	10	50	60	6	M6	5,0-6,0
2767	HZB 12/60	12	60	70	8	M8	7,0-8,0
2768	HZB 14/70	14	70	80	10	M10	9,0-10,0



- L_t = Plug length
- h_1 = Min. hole depth
- d_0 = Hole diameter
- t_{fix} = Fixture thickness
- \varnothing_v = Screw diameter
- ch = Hexagonal socket

universal and frame fixings

Types of materials where the fixing application is possible



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

HZB	HZB 010	HZB 012	HZB 014
Substrate materials			
Oblique axial pull out values in daN			
Lightweight concrete	110	170	230

1 daN \approx 1 kg