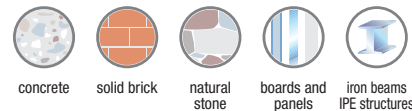


Vorpa **Safety hook ACR**

Steel anchor for anti-fall nets



products group



ACR TOP
with TOP anchor



ACR VHS
with VHS anchor



ACR VA
with VA anchor



ACR hook

Suitable for

- concrete
- solid brick
- natural stone
- boards and panels
- prestressed concrete plates with honeycomb core
- iron beams
- IPE structures

To fix

- anti-fall nets
- ropes



Test report available



product information

Characteristics

- system composed of a steel curly hook and steel anchor for ropes and anti-falling nets on pillars, beams and solid walls
- possibility to insert and unfasten the fall prevention cable on the hook once made the fixing
- the hook is recovered once the work is finished

Installation

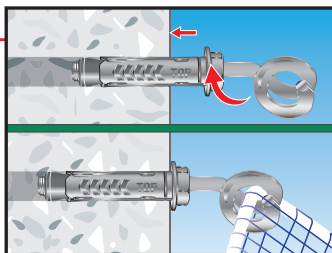
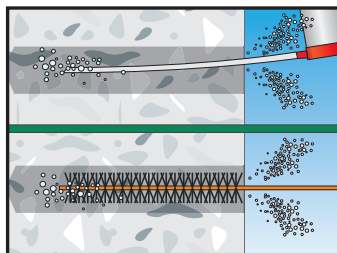
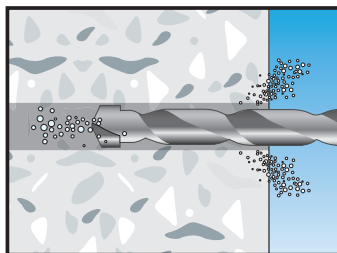
- to be mounted aligned the wall

Suggestion for use

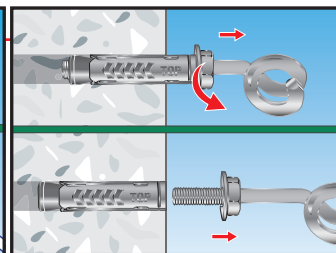
- always check load bearing capacity values in the table
- respect the installation data
- **clean the hole before the installation**

installation sequence

1) installation procedure

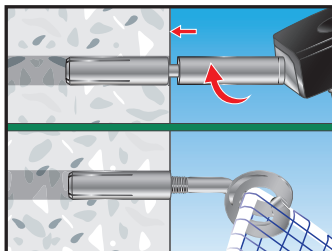
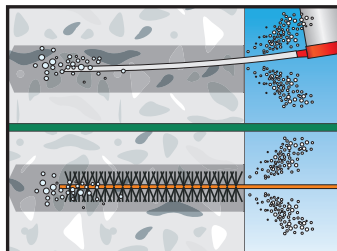
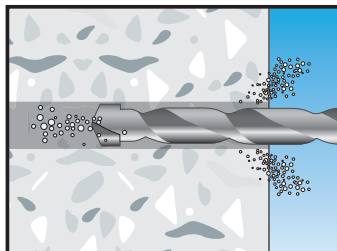


2) to re-use the eyebolt

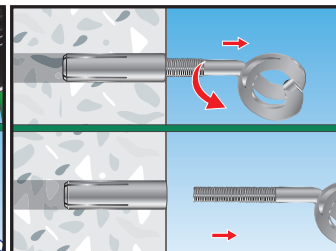


ACR TOP anchor on solid brick

1) installation procedure



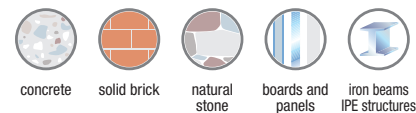
2) to re-use the eyebolt



ACR VA anchor on thin solid brick

Vorpa Safety hook ACR

Steel anchor for anti-fall nets



product code and technical data



ACR TOP
with TOP anchor



ACR VHS
with VHS anchor

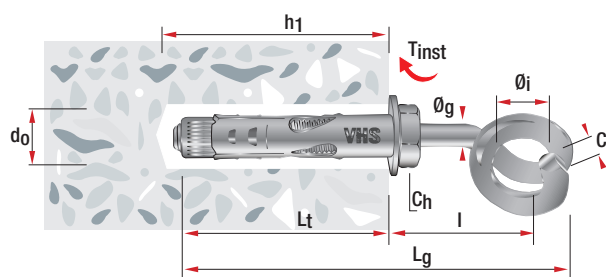
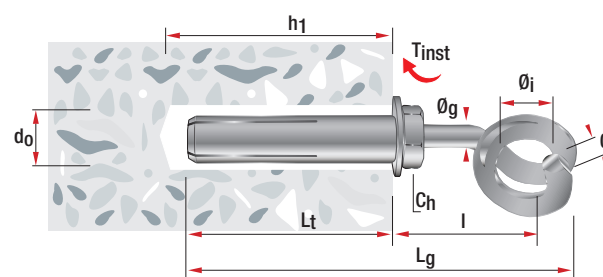
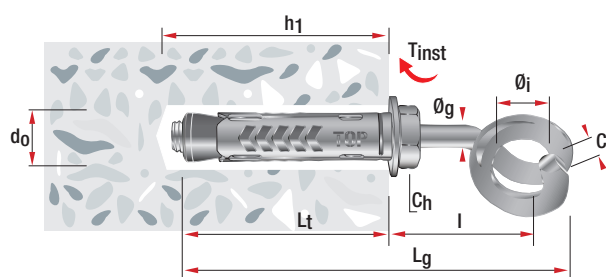


ACR VA
with VA anchor

Code	Description	d _o mm	L _t mm	h ₁ mm	l mm	Thread mm	Ø _g mm	C mm	Ø _i mm	L _g mm	T _{inst} Nm
9340	ACR TOP Ø18 M12	18	75	85	50	M12	10,7	13	26	150	50
9326	ACR TOP Ø14 M10	14	60	70	45	M10	9	15	16	125	30

Code	Description	d _o mm	L _t mm	h ₁ mm	l mm	Thread mm	Ø _g mm	C mm	Ø _i mm	L _g mm	T _{inst} Nm
9324	ACR VHS Ø10 M8	10	70	55	45	M8	7	17	16	135	25
9325	ACR VHS Ø12 M10	12	63	73	45	M10	9	15	16	125	40

Code	Description	d _o mm	L _t mm	h ₁ mm	l mm	Thread mm	Ø _g mm	C mm	Ø _i mm	L _g mm	T _{inst} Nm
9341	ACR VA Ø15 M12	15	50	55	60	M12	10,7	13	26	110	35
9344	ACR VA Ø8 M6	8	25	30	40	M8	5	7	13	60	4



d_o = Hole diameter
 L_t = Anchor length
 h₁ = Min. hole depth
 l = Axial spacing
 Ø_g = Stem of the hook
 C = Passage of the rope
 Ø_i = Internal eyebolt diameter
 L_g = Total length of the hook
 T_{inst} = Torque

Examples of applications



Vorpa Safety hook ACR

Steel anchor for anti-fall nets



concrete



solid brick



natural stone



boards and panels

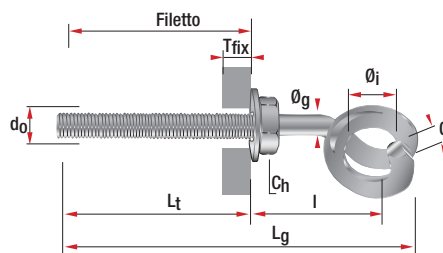


iron beams IPE structures

product code and technical data



ACR hook



d_0 = Hole diameter
 L_t = Anchor length
 I = Axial spacing
 $\varnothing_g$ = Stem of the hook
 C = Passage of the rope
 $\varnothing_i$ = Internal eyebolt diameter
 L_g = Total length of the hook

Code	Description	d_0 mm	L. Thread mm	I mm	Thread mm	$\varnothing_g$ mm	C mm	$\varnothing_i$ mm	L_g mm
9338	ACR M6 gancio zincato	6	30	40	M6	5	7	13	60
9339	ACR M8 gancio zincato	8	80	45	M8	7	17	16	135
9343	ACR M10 gancio zincato	10	73	45	M10	9	15	16	125
9345	ACR M12x110 gancio zincato	12	38	60	M12	10,7	13	26	110
9346	ACR M12x150 gancio zincato	12	85	50	M12	10,7	13	26	150

ACR SS A2 hook

53340	ACR M10x90 gancio INOX A2	10	35	50	M10	9	15	16	90
53341	ACR M10x125 gancio INOX A2	10	73	45	M10	9	15	16	125

Examples of applications



Accessories



TOP



VA



VHS

Code	Description	d_0 mm	L_t mm	h_1 mm	For screws $\varnothing$ mm
713	TOP 12 Ø18	18	75	85	M12
712	TOP 10 Ø14	14	60	70	M10
593	VA 12 Ø15	15	50	55	M12
590	VA 6 Ø8	8	25	30	M6
51180	VHS 10 Ø12	12	60	55	M10
51182	VHS 8 Ø10	10	70	73	M8

ACR TOP - ACR VHS - ACR VA - ACR HOOK

Determination of the resistance at the safety hook on concrete C20/25

1 daN=1 kg

ACR TOP Ø18-M12 - ACR VA Ø15-M12	1.100 daN
ACR TOP Ø14-M10 - ACR VHS Ø12-M10	900 daN
ACR VHS Ø10-M8	440 daN
ACR VA Ø8-M6	200 daN

ATTENTION: An appropriate safety factor $\geq 2,5$ should be applied on these values

Revision 04-2022