

Last Updated:
 05.12.2016

Concrete Frame Screw - Full Thread

Product Code: Various (see table)

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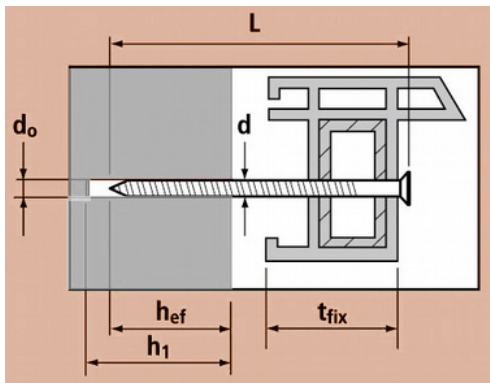
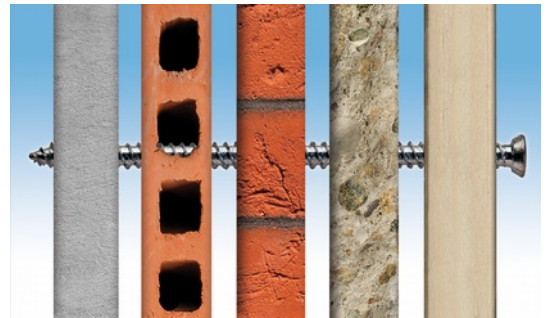


Self tapping screw, for through fastening, Hi-Lo thread.
 Available with wide countersunk head.

Base material

Specific use

- Concrete
- Natural stone
- Solid brick
- Perforated brick
- Hollow brick
- Concrete hollow blocks
- Lightweight concrete
- Gas Beton



- d = screw diameter
- L = screw length
- d₀ = hole diameter
- h₁ = minimum hole depth
- h_{nom} = overall embedment depth
- h_{ef} = effective anchorage depth
- t_{fix} = fixable thickness

$h_{nom} = h_{ef}$

CONCRETE frame screw

Wide countersunk head



Product Code	Description	d mm	L mm	d ₀ mm	h ₁ mm	h _{ef} mm	t _{fix} mm	TORX n.
HH0103300000	7.5 x 42	7.5	42	*	*	*	*	T30
HH0103300005	7.5 x 52		52					
HH0103300010	7.5 x 62		62					
HH0103300020	7.5 x 72		72					
HH0103300030	7.5 x 82		82					
HH0103300040	7.5 x 92		92					
HH0103300050	7.5 x 102		102					
HH0103300060	7.5 x 112		112					
HH0103300070	7.5 x 122		122					
HH0103300080	7.5 x 132		132					
HH0103300090	7.5 x 152		152					
HH0103300100	7.5 x 182		182					
HH0103300110	7.5 x 212		212					

* see below

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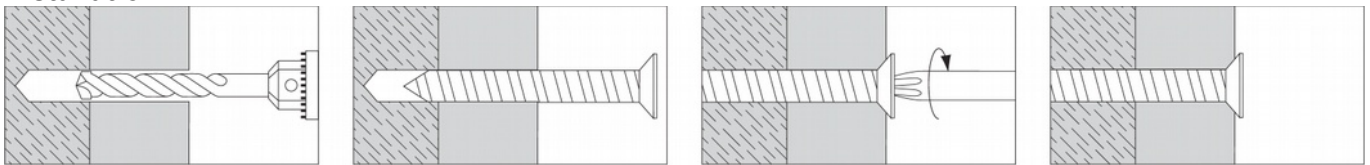
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Other setting parameters

d mm	d ₀ mm	
	Concrete and Stone	Other materials ¹
7.5	6.5	6

¹ pre-drilling can be neglected in Gas Beton

Material	Concrete	Stone Solid brick Concrete block	Hollow brick	Lightweight Concrete Gas Beton
min. h _{ef} mm	30	40	60	80
h ₁ mm	h _{ef} + 20			
t _{fix} mm	L - h _{ef}			

Installation

Materials

Material	Coating
Steel	White zinc ≥ 5 µm ISO 4042

Strength data

in KN

Characteristic resistance

h _{ef} mm	material			
	Concrete	Solid brick	Hollow brick	Gas Beton
30	3.20			
40		1.20	0.20	
60			0.90	
80		7.50		0.50

An appropriate safety factor (3) is recommended.

Characteristic resistances derive from tests conducted in European laboratories according to international guidelines. Load values are valid only if installation is performed accurately. Designer is responsible for the choice of size and number of anchors.

Recommended load

h _{ef} mm	material			
	Concrete	Solid brick	Hollow brick	Gas Beton
30	0.76			
40		0.29	0.05	
60			0.21	
80		1.79	0.12	0.12

Recommended loads include the above mentioned partial safety factor 3 and the further safety factor 1.4.

