

## Product Description

Fatra fasteners are a 40mm concrete anchor for mechanically fixing into concrete & brick substrates where anchoring Fatranyl angles or field sheet membrane.

## Recommended Loads



Anchor size		4/0	5/0	5/5-5/15	6/0-6/25	6/30-6/40	8/0	8/10-8/40	8/60-8/100
Concrete $\geq$ C16/20	N <sub>Rd</sub> [kN]	0,05	0,10	0,15	0,25	0,25	0,30	0,40	0,40
	V <sub>Rd</sub> [kN]	0,15	0,30	0,35	0,55	0,35	0,50	0,90	0,50
Engineering brick, 12 hole, class B	N <sub>Rd</sub> [kN]	0,05	0,10	0,15	0,25	0,25	0,30	0,40	0,40
	V <sub>Rd</sub> [kN]	0,15	0,30	0,35	0,55	0,35	0,50	0,90	0,50
Perforated brick 3 hole common	N <sub>Rd</sub> [kN]	0,05	0,10	0,15	0,20	0,20	0,25	0,30	0,30
	V <sub>Rd</sub> [kN]	0,15	0,30	0,35	0,55	0,35	0,50	0,90	0,55
Thermalite block, 7 N lightweights	N <sub>Rd</sub> [kN]	-	-	0,08	0,15	0,15	0,20	0,25	0,25
	V <sub>Rd</sub> [kN]	-	-	0,15	0,25	0,15	0,40	0,40	0,25
Thermalite block, 1/2 N lightweights	N <sub>Rd</sub> [kN]	-	-	0,05	0,08	0,08	-	0,12	0,12
	V <sub>Rd</sub> [kN]	-	-	0,10	0,15	0,10	-	0,25	0,15
Autoclaved aerated concrete AAC 4, ACC 6	N <sub>Rd</sub> [kN]	-	-	0,08	0,10	0,10	-	0,15	0,15
	V <sub>Rd</sub> [kN]	-	-	0,10	0,12	0,10	-	0,30	0,20
Extruded brick, Boral 10	N <sub>Rd</sub> [kN]	0,05	0,10	0,15	0,20	0,20	0,25	0,35	0,35
	V <sub>Rd</sub> [kN]	0,15	0,25	0,30	0,40	0,25	0,50	0,90	0,55

a) With overall global safety factor  $\gamma = 5$  to the characteristic loads and a partial safety factor of  $\gamma = 1,4$  to the design values.

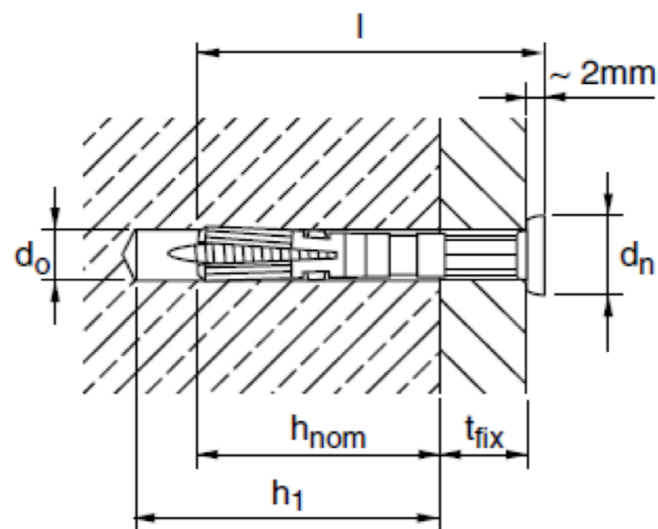
## Material Quality

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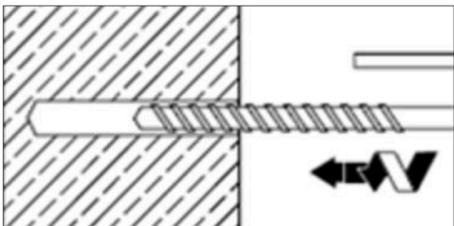
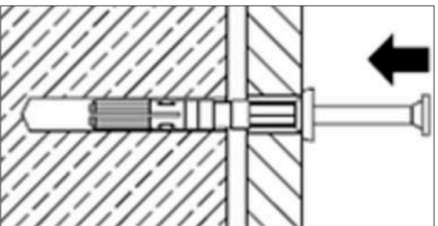
Part	Material
Plastic sleeve	Polyamide 6.6
Screw	Carbon steel, galvanised to min. 5 $\mu$ m
	Stainless steel, grade A2
	Stainless steel, grade A2, copper-plated

## Setting Details FFS-1

Anchor			HPS-1 4	HPS-1 5	HPS-1 6	HPS-1 8
Nominal diameter of drill bit	$d_o$	[mm]	4	5	6	8
Cutting diameter of drill bit	$d_{cut} \leq$	[mm]	4,35	5,35	6,4	8,45
Depth of drill hole	$h_1 \geq$	[mm]	25	30	40	50
Nominal embedment depth	$h_{nom}$	[mm]	20	20	25	30
Anchor length	$l$	[mm]	21,5	22 - 37	27 - 67	28,5 – 132,5
Max fixture thickness	$t_{fix}$	[mm]	2	15	40	100



## Setting Instructions

Setting instructions		
<b>1. Drill hole with drill bit</b> 	<b>2. Install anchor</b> 	<b>3. Hammer in anchor</b> 