



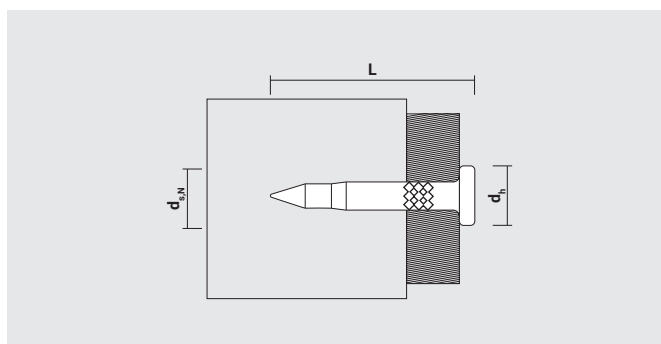
Features

- XHA nails offer more reliability, more safety and more efficiency.
- Made from hardened steel that improves grip on various materials.
- The 15 mm long nails are especially designed for steel beams.
- Compatible with multiple nailers, including FORCE ONE+ and FOX.

Certificates and approvals



Main dimensions



$d_{s,N}$ [mm]	L [mm]	d_h [mm]
2.7	15	6.3
2.7	17	6.3
2.7	22	6.3
2.7	27	6.3
2.7	32	6.3
2.7	38	6.3

Base materials

- Steel
- Concrete
- Solid stone
- Hollow concrete block
- Wood

Base material and recommended nail

Nail	Recommend base material
13XHA	Steel beam / support with thickness from 3 mm to 6 mm
17XHA	Precast concrete
22XHA	Hard concrete > 250 kg/cm ²
27XHA	Standard concrete 200-250 kg/cm ² Wood Steel (max. 3 mm) Concrete blocks
32XHA	Soft concrete < 250 kg/cm ² Wood Low quality concrete block
38XHA	Wood

Product specifications

- Carbon steel, 53-56 HRC
- Red plastic strip
- Coating: white zinc plated

Installation procedure

Insert in the gas nailer magazine.

Installation parameters

Parameters	Standard concrete	Steel	Fastening Electrical elements
Min. distance between nails [mm]	100	25	200
Distance from edge [mm]	75	12.5	150

Recommended loads

Strength for nails installed in standard concrete

Minimum embedment depth [mm]	Type of concrete	
	C20/25	C50/60
	Tensile [kg]	Tensile [kg]
17	26	26

Strength for nails installed in steel ASTM A 572 GRADE 50

Minimum depth [mm]	Steel thickness	
	3 mm	
	Tensile [kg]	
13	22	

Loads based on ITB

Recommended loads for fastening electrical elements

Fixture	Type of concrete			
	C20/25		C50/60	
	Tensile [kg]	Shear [kg]	Tensile [kg]	Shear [kg]
ABT	3	8	4	10
UT	1.5	4	2	5
TBB	3	6	4	8
WSC	1.5	-	2	-
WDC	1	-	1.5	-
FP	2.5	1	3	1
FPD	2.5	2	3.5	2
TBBL	2	1.5	2.5	2
PFT	3	6	4	8
DFT	1.5	8.5	2	11
AAT	2	-	3	-
ATR	1.5	9	2	11.5
ATV-M4, M5 & M6	3	-	4	-
ATVS-M8	3	-	4	-
ATV-M8	3	-	4	-
CHS 41x47	3	8	4	10
CHS 87x35	3	8	4	10.5

Loads based on ETA 22/0613

Minimum thickness of concrete member: 80 mm.

Minimum embedment depth: 11.

Packaging

Ø [mm]	FORCE ONE+	FOX	FORCE ONE+	FOX
	[pcs.]		[pcs.]	
13XHA	800	1000	4500	5000
17XHA	800	1000	4500	5000
22XHA	800	1000	4500	5000
27XHA	800	1000	4500	5000
32XHA	800	1000	4500	5000
38XHA	800	1000	4500	5000

Accessories

