



## Key features

- Nails suitable for : wood, concrete and steel.
- Compatible with AGII, FORCE ONE & FOX.
- ETA approval: ETA-22/0613, valid using FORCE ONE.
- Fire approval.
- Material:
  - Carbon steel, 53-56 HRC.
  - Red plastic strip.
- Coating: white zinc plated

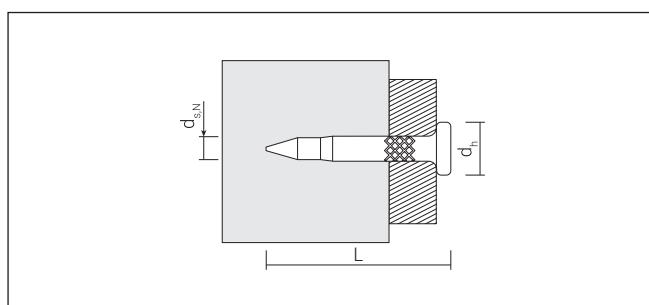
## Approvals



### Related organizations



## Main dimensions [mm]



$d_{s,N}$	L (mm)	$d_h$ (mm)
3	13	6.3
3	17	6.3
3	22	6.3
3	27	6.3
3	32	6.3
3	38	6.3

## Installation procedure

Insert on the gas nailer magazine.



Scan the Qr code  
and get access to  
the assembly video

## Packaging

Ø (mm)	FORCE ONE	FOX	FORCE ONE	FOX
	(uds.)		(uds.)	
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

### Base material and recommended nail

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

### Base material and recommended nail

#### STANDARD CONCRETE

Minimum distance between nails: 100 mm.  
Distance from the edge of the concrete: 75 mm.

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

Loads based on ITB

#### FASTENING ELECTRICAL ELEMENTS

Minimum distance between nails: 200 mm.  
Distance from the edge: 150 mm.

#### STEEL

Minimum distance between nails: 25 mm.  
Distance from the edge: 12.5 mm.

NAIL STRENGTH WHEN INSTALLED IN STEEL ASTM A 572 GRADE 50

Minimum depth (mm)	Steel thickness
	3 mm
	Tensile (kg)
13	22

Minimum thickness of concrete member: 80 mm.  
Minimum embedment depth: 11 mm.

### 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

Accessories

