





BENEFITS

- Nails for all materials. It can be used in different materials like: wood, concrete, steel.
- Compatible with AGII, FORCE ONE & FOX.
- Double shank plus knurling system, for a better resistance.
- Fire approval.
- Material:
 - Manufactured using mild steel with a hardness of 54-56 HRC.
 - Red plastic strip.
- Coating: white zinc plated, minimum 5 microns.

APPROVALS



PACKAGING

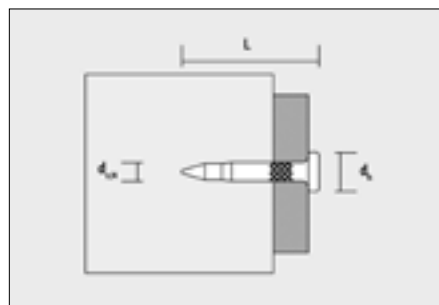
Ø(mm)	FORCE ONE	FOX	FORCE ONE	FOX
	 Unds.		 Unds.	
13XHA	800	1000	4500	5000
17XHA	800	1000	4500	5000
22XHA	800	1000	4500	5000
27XHA	800	1000	4500	5000
32XHA	800	1000	4500	5000
38XHA	800	1000	4500	5000

INSTALLATION PROCEDURE

Insert on the gas nailer magazine.



MAIN DIMENSIONS (mm)



d _s mm.	L _s 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

BASE MATERIAL AND RECOMMENDED NAIL

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

● ● ● Small Things Matter ●

INSTALLATION PARAMETERS AND RECOMMENDED LOADS

STANDARD CONCRETE

Minimum distance between nails: 100 mm.

Distance from the edge of the concrete: 75mm.

NAIL STRENGTH WHEN INSTALLED IN STANDARD CONCRETE

Minimum depth [mm]	TYPE OF CONCRETE							
	150Kg/cm ²		200Kg/cm ²		250Kg/cm ²		350Kg/cm ²	
	Tensile [Kg.]	Shear [Kg.]	Tensile [Kg.]	Shear [Kg.]	Tensile [Kg.]	Shear [Kg.]	Tensile [Kg.]	Shear [Kg.]
16	30	36	33	40	35	44	38	50
19	36	58	45	75	58	93	70	110
22	36	70	45	85	58	98	70	110
25	36	85	45	90	58	100	70	110

LIGHT CONCRETE

Minimum distance between nails: 100 mm.

Distance from the edge of the concrete: 150mm.

NAIL STRENGTH WHEN INSTALLED IN LIGHT CONCRETE

Minimum depth [mm]	TYPE OF CONCRETE					
	200 Kg/cm ²		250 Kg/cm ²		300 Kg/cm ²	
	Tensile [Kg.]	Shear [Kg.]	Tensile [Kg.]	Shear [Kg.]	Tensile [Kg.]	Shear [Kg.]
19	44	53	49	85	49	113
22	50	56	53	85	53	116
25	50	58	53	85	53	118

LIGHT CONCRETE THROUGH METAL STRIP

Minimum distance between nails: 100 mm.

Distance from the edge of the concrete: 150mm.

NAIL STRENGTH WHEN INSTALLED IN LIGHT CONCRETE

Minimum depth [mm]	TYPE OF CONCRETE			
	200Kg/cm ²		250Kg/cm ²	
	Tensile [Kg.]	Shear [Kg.]	Tensile [Kg.]	Shear [Kg.]
19	36	47	38	51
25	38	53	40	58

CONCRETE BLOCKS (ASTM C90)

Minimum distance between nails: 100 mm.

Distance from the edge: 95mm.

NAIL STRENGTH WHEN INSTALLED IN CONCRETE BLOCK

Minimum depth [mm]	CONCRETE BLOCKS	
	Tensile [Kg.]	Shear [Kg.]
22	29	36
25	29	53

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			
	5 mm		6 mm	
	Tensile [Kg.]	Shear [Kg.]	Tensile [Kg.]	Shear [Kg.]
13*	58	53	51	53

*Need loads for lesser embedment too for applications using XHA 13

APPLICATIONS

Fixing of accessories for installation



Fixing of metal sheets, insulation boards, wood boards and channels for dry wall.

