



### BENEFITS



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

### INSTALLATION PROCEDURE

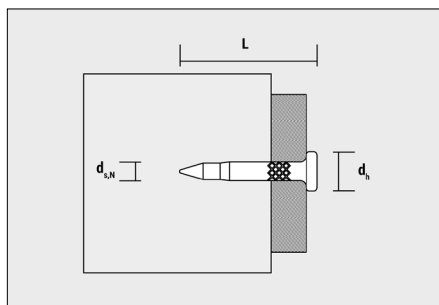
Insert on the gas nailer magazine.



### PACKAGING

Ø(mm)	FORCE ONE	FOX	FORCE ONE	FOX
	 Unds.		 Unds.	
15 TKA	800	1000	4500	5000
19 TKA	800	1000	4500	5000
25 TKA	800	1000	4500	5000
30 TKA	800	1000	4500	5000
40 TKA	800	1000	4500	5000

### MAIN DIMENSIONS (mm)



d <sub>s</sub> mm.	L <sub>s</sub> mm.	d <sub>h</sub> mm
2,6	15	6,3
2,6	19	6,3
2,6	25	6,3
2,6	30	6,3
2,6	40	6,3

### BASE MATERIAL AND RECOMMENDED NAIL

Nail	Recommended Base Material <sup>1</sup>
15TKA	Steel beam / support with thickness from 3mm to 6mm
19TKA	Precast concrete
25TKA	Hard concrete >250Kg/cm <sup>2</sup>
30TKA	Soft concrete < 250Kg/cm <sup>2</sup> Wood to concrete Low quality concrete block
40TKA	Wood to wood

## INSTALLATION PARAMETERS AND RECOMMENDED LOADS

### STANDARD CONCRETE

Minimum distance between nails: 100 mm.

Distance from the edge of the concrete: 75mm.

#### STRENGTH FOR NAILS INSTALLED IN STANDARD CONCRETE

Minimum depth [mm]	TYPE OF CONCRETE							
	150Kg/cm <sup>2</sup>		200Kg/cm <sup>2</sup>		250Kg/cm <sup>2</sup>		350Kg/cm <sup>2</sup>	
	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.

#### STRENGTH FOR NAILS INSTALLED IN LIGHT CONCRETE

Minimum depth [mm]	TYPE OF CONCRETE					
	200 Kg/cm <sup>2</sup>		250 Kg/cm <sup>2</sup>		300 Kg/cm <sup>2</sup>	
	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.

#### STRENGTH FOR NAILS INSTALLED IN LIGHT CONCRETE

Minimum depth [mm]	TYPE OF CONCRETE			
	200Kg/cm <sup>2</sup>		250Kg/cm <sup>2</sup>	
	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.

#### STRENGTH FOR NAILS INSTALLED IN CONCRETE BLOCKS

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.

**STRENGTH FOR NAILS 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 sheet, insulation boards, wood boards, channels for dry wall...

