



**FP08GUN**



**FP-CG 08**



**FP-CL 08**



**FP-AP 08**



**FP-AM 08**



**FP-CR 08**



**FP-PI 08**



**FP-CR**



**FP-PISPL08**



**FP-PISCL08**



**FP12GUN**



**FP-CG12**



**FP-CL12**



**FP-CGD12**



**FP-CLD12**



**FP-CT12**



**AB-PID**



**FP-IP**



**FP-PISCL12**



**FP-PICM12**



**FP-PISCT12**

## CHARACTERISTICS

- Semi-automatic gun with piston.
- Indirect fixation at low speed.
- Built-in security systems that guarantee good quality and performance.
- Power regulator.
- Low recoil.
- Silencer incorporated.

## BASE MATERIAL



## APPLICATION EXAMPLES



- Fixing of steel to concrete, between plates, hangers and threaded nails, etc.

## KIT CASES



























## 1. GAMA

### GUNS

ITEM	CODE	PHOTO	CANYON DIAMETER	DESCRIPTION
1	FP08GUN		Ø8 mm	Semiautomatic gun with powder cartridges and power regulator.
2	FP12GUN		Ø12 mm	Semiautomatic gun with powder cartridges and power regulator.

### NAILS

ITEM	CODE	PHOTO	SIZE	COATING	DESCRIPTION
1	FP-CG 08		From 3,8 x 16 mm to 3,8 x 19 mm		Knurled nail with plastic washer
2	FP-CL 08		From 3,8 x 16 mm to 3,8 x 70 mm		Standard nail with plastic washer
3	FP-AP 08		3,8 x 51 mm		Standard nail with plastic washer
4	FP-AM 08		From 3,8 x 37 mm to 3,8 x 51 mm		Standard nail with metal washer
5	FP-CR 08		From 3,8 x 12 mm to 3,8 x 27 mm		Threaded standard nails for clamps installation
6	FP-PI 08		3,8 x 16 mm		Clamp clip with nail and red rubber
7	FP-CG12		From 3,8 x 16 mm to 3,8 x 19 mm		Knurled nail with metal washer
8	FP-CL12		From 3,8 x 22 mm to 3,8 x 47 mm		Standard nail with metal washer
9	FP-CGD12		From 3,8 x 16 mm to 3,8 x 19 mm		Knurled nails with double washer, metal and plastic
10	FP-CLD12		From 3,8 x 22 mm to 3,8 x 47 mm		Knurled nails with double washer, metal and plastic
11	FP-CT12		3,8 x 16 mm		Nails for ceiling installation
12	AB-PID		From 16 x 1 mm to 32 x 1,2 mm		Clamp clip

CARTRIDGES					
ITEM	CODE	PHOTO	POWER	COLORS	UNITS PER CARTRIDGE
1	FP-IP		Power 4 y 6	Red and yellow	10
2	FP-CR		Power 4 y 6	Red and yellow	10
PISTONS					
ITEM	CODE	PHOTO	DETAIL	DESCRIPTION	
1	FP-PISCL08			FP08GUN Piston. Valid for concave head nails: FP-AP	
2	FP-PISPL08			FP08GUN Piston. Valid for flat head nails: FP-CG/FP-CL/FP-AM/FP-CR/FP-PI	
3	FP-PISCL12			FP12GUN Piston. Valid for concave head nails: FP-CG/FP-CGD/FP-CLD/FP-CLD	
4	FP-PISCM12			FP12GUN Piston. Valid for metric threaded nails for clamps installation.	
5	FP-PISCT12			FP12GUN Piston. Valid for ceiling installation nails: FP-CT	

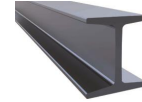
## 2. INSTALLATION DATA

### 2.1 FP-CG 08

#### Knurled nail with plastic washer



- | Characteristics  | Coating     | Base Material |       |
|--|-------------|---------------|-------|
| <ul style="list-style-type: none"> <li>- Red rubber incorporated.</li> <li>- Knurled for metal fixings. (Beams, sheets, etc.)</li> <li>- Use piston FPPISPL08</li> </ul> |             |               |       |
|  | Zinc-plated | IPN beam      | Sheet |



Zinc-plated

IPN beam

Sheet

#### Installation data

Code	Ø d (mm)	Ø D (mm)	L (mm)	DRAWING
FPCG0816	3,8	10	16	
FPCG0819	3,8	10	19	

### 2.2 FP-CL 08

#### Standard nail with plastic washer



- | Characteristics  | Coating     | Base Material |                     |
|--|-------------|---------------|---------------------|
| <ul style="list-style-type: none"> <li>- Red rubber incorporated.</li> <li>- Length variety</li> <li>- Use piston FPPISPL08</li> </ul> |             |               |                     |
|  | Zinc-plated | Concrete      | Reinforced concrete |



Zinc-plated

Concrete





Reinforced concrete

#### Installation data

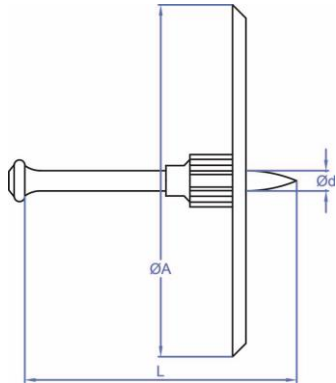
Code	Ø d (mm)	Ø D (mm)	L (mm)	DRAWING
FPCL0816	3,8	10	16	
FPCL0819	3,8	10	19	
FPCL0825	3,8	10	25	
FPCL0827	3,8	10	27	
FPCL0832	3,8	10	32	
FPCL0838	3,8	10	38	
FPCL0844	3,8	10	44	
FPCL0851	3,8	10	51	
FPCL0857	3,8	10	57	
FPCL0864	3,8	10	64	
FPCL0870	3,8	10	70	

**2.3 FP-AP 08**

**Standard nail with plastic washer**

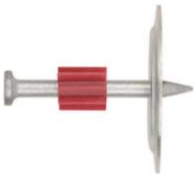



	Characteristics	Coating	Base Material	
	<ul style="list-style-type: none"> <li>- Plastic washer of 66 mm</li> <li>- Use piston FPPISPL08</li> </ul>	 Zinc-plated	 Concrete	 Reinforced concrete

**Installation data**

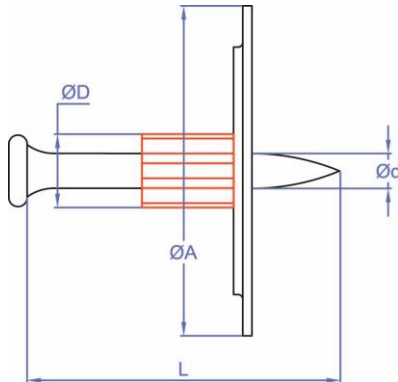
CODE	Ø d (mm)	L (mm)	Ø A (mm)	DRAWING
FPAP085166	3,8	51	66	

**2.4 FP-AM 08**

**Standard nail with metal washer**

	Characteristics	Coating	Base Material	
	<ul style="list-style-type: none"> <li>- Red rubber incorporated.</li> <li>- Metal washer of 36 mm</li> <li>- Use piston FPPISPL08</li> </ul>	 Zinc-plated	 Concrete	 Reinforced concrete

**Installation data**

Code	Ø d (mm)	Ø D (mm)	L (mm)	Ø A (mm)	DRAWING
FPAM0837	3,8	10	37	36	
FPAM0851	3,8	10	51	36	

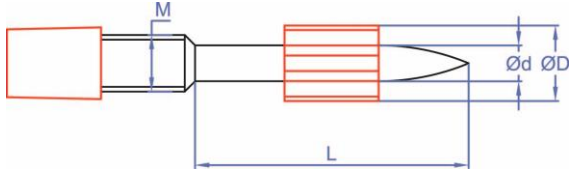
**2.5 FP-CR 08**

**Threaded nail with plastic washer**



Characteristics	Coating	Base Material	
<ul style="list-style-type: none"> <li>- Red rubber incorporated.</li> <li>- Metric thread</li> <li>- Use piston FPPISPL08</li> </ul>	 Zinc-plated	 Concrete	 Reinforced concrete

**Installation data**

Code	∅ d (mm)	∅ D (mm)	L (mm)	M	DRAWING
FPCR0812	3,8	10	12	M6	
FPCR0822	3,8	10	22	M6	
FPCR0827	3,8	10	27	M6	

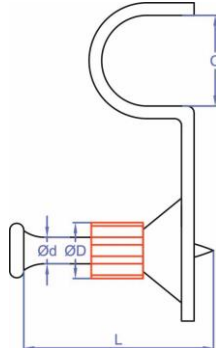
**2.6 FP-PI 08**

**Clamp clip with nail and red rubber**





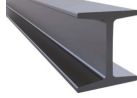

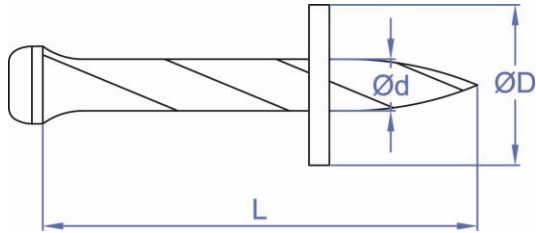
Characteristics	Coating	Base Material	
<ul style="list-style-type: none"> <li>- Red rubber incorporated.</li> <li>- Clamp clip of 13 mm</li> <li>- Use piston FPPISPL08</li> </ul>	 Zinc-plated	 Concrete	 Reinforced concrete

**Installation data**

Code	∅ d (mm)	∅ D (mm)	L (mm)	C (mm)	DRAWING
FPPI081613	3,8	10	16	13	





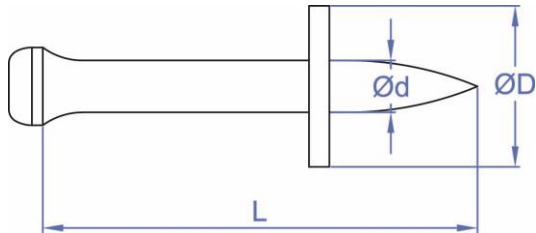
## 2.7 FP-CG 12

### Knurled nail with metal washer

	Characteristics			Coating	Base Material	
	<ul style="list-style-type: none"> <li>- Metal washer.</li> <li>- Knurled nail for metal fixings. (Beams, sheets, etc.)</li> <li>- Use piston FPPISCL12</li> </ul>			 Zinc-plated	 IPN Beam	 Sheet
Installation data						
Code	Ø d (mm)	Ø D (mm)	L (mm)	DRAWING		
FPCG1612	3,8	12	16			
FPCG1912	3,8	12	19			

## 2.8 FP-CL 12



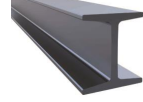

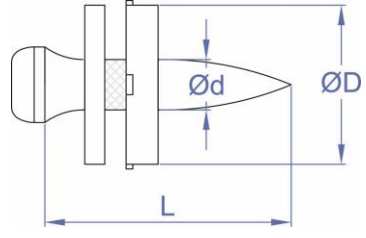
### Standard nail with metal washer

	Characteristics			Coating	Base Material	
	<ul style="list-style-type: none"> <li>- Metal washer.</li> <li>- Length variety</li> <li>- Use piston FPPISCL12</li> </ul>			 Zinc-plated	 Concrete	 Reinforced concrete
Installation data						
Code	Ø d (mm)	Ø D (mm)	L (mm)	DRAWING		
FPCL2212	3,8	12	22			
FPCL2712	3,8	12	27			
FPCL3212	3,8	12	32			
FPCL3712	3,8	12	37			
FPCL4212	3,8	12	42			
FPCL4712	3,8	12	47			







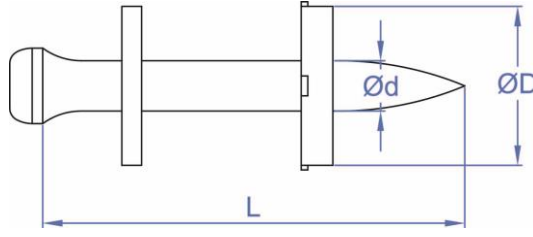
## 2.9 FP-CGD 12

### Knurled nail with double washer, metal and plastic

	Characteristics			Coating	Base Material	
	<ul style="list-style-type: none"> <li>- Metal and plastic washer.</li> <li>- Knurled nail for metal fixings. (Beams, sheets, etc.)</li> <li>- Use piston FPPISCL12</li> </ul>			 Zinc-plated	 IPN Beam	 Sheet
Installation data						
Code	Ø d (mm)	Ø D (mm)	L (mm)	DRAWING		
FPCGD161 2	3,8	12	16			
FPCGD191 2	3,8	12	19			




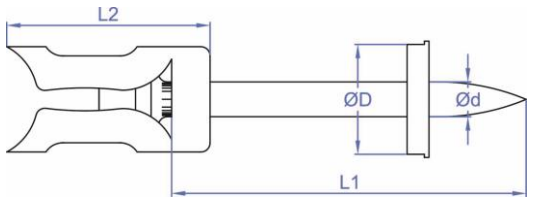
## 2.10 FP-CLD 12

### Standard nail with double washer, metal and plastic




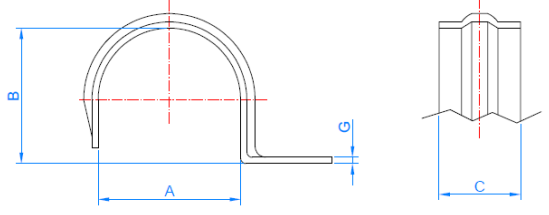
	Characteristics			Coating	Base Material	
	<ul style="list-style-type: none"> <li>- Metal and plastic washer.</li> <li>- Length variety</li> <li>- Use piston FPPISCL12</li> </ul>			 Zinc-plated	 Concrete	 Reinforced concrete
Installation data						
Code	Ø d (mm)	Ø D (mm)	L (mm)	DRAWING		
FPCLD2212	3,8	12	22			
FPCLD2712	3,8	12	27			
FPCLD3212	3,8	12	32			
FPCLD3712	3,8	12	37			
FPCLD4212	3,8	12	42			
FPCLD4712	3,8	12	47			

## 2.11 FP-CGD 12

### Nail for ceilings installation

	Characteristics		Coating		Base Material	
	<ul style="list-style-type: none"> <li>- Plastic washer.</li> <li>- Extensio para fijacion de falsos techos.</li> <li>- Use piston FPPISCT12</li> </ul>		 Zinc-plated		 IPN Beam      Sheet	
Installation data						
Code	Ø d (mm)	Ø D (mm)	L1 (mm)	L2 (mm)	DRAWING	
FPCGD161 2	3,8	12	32	22		

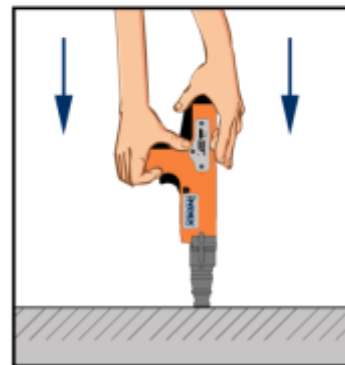
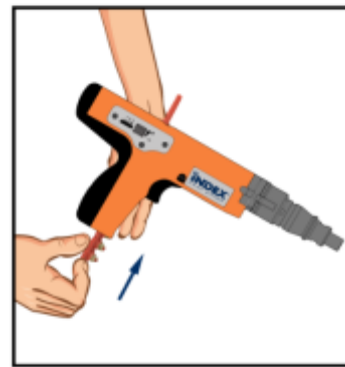
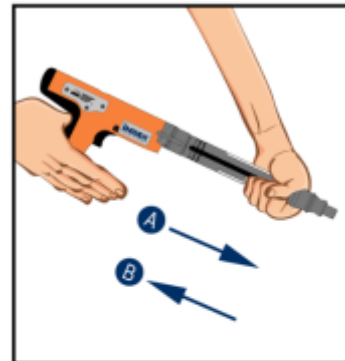
## 2.12 AB-PID

	Characteristics		Coating		Base Material	
	<ul style="list-style-type: none"> <li>- Available for both guns</li> <li>- From Ø16 to Ø32</li> </ul>		 Zinc-plated		 IPN Beam      Sheet	
Installation data						
Code	A (mm)	B (mm)	C (mm)	G (mm)	DRAWING	
ABPID16	16	15	12	1		
ABPID20	20	19	12	1,2		
ABPID25	25	23,8	15	1,2		
ABPID32	32	30,8	15	1,2		

### 3. OPERATING INSTRUCTIONS

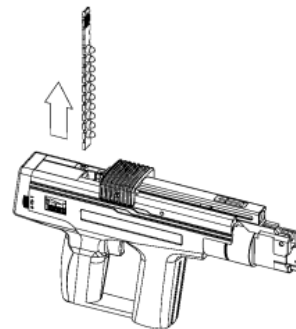
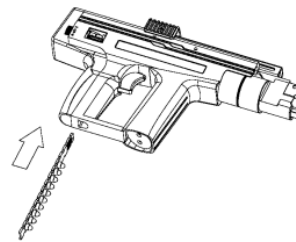
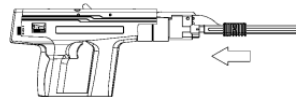
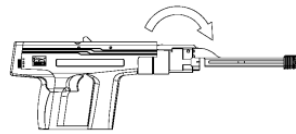
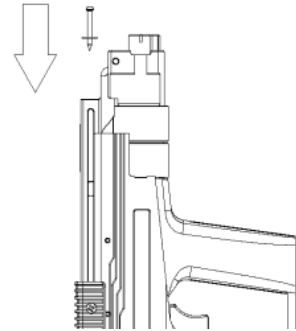
#### 3.1 FP08GUN

1. After checking that the gun is not loaded, point it in a safe direction and check that the barrel is completely extended. This will ensure that the piston is in the correct position for the next fastening.
2. Quickly and firmly pull the nail cartridge holder outwards [A]. Insert a nail in the nail cartridge holder with the point facing outwards until its point is firmly inside. Push the nail cartridge holder firmly back inside the gun until it is fixed in place [B].
3. Insert a strip of 10 charges in the bottom of the handle until the end of the strip is flat with the bottom of the handle.
4. Hold the gun perpendicularly (90°) with both hands against the work surface, and firmly press down to keep it in place. Keep a firm downward pressure on the gun with both hands and pull the trigger so that a charge is detonated and the nail is applied to the fastening element.
5. Gently and gradually ease the pressure on the gun once the nail is applied, and make sure the gun comes away from the surface. In order to apply another nail, repeat steps 2, 3 and 4.



### 3.1 FP12GUN

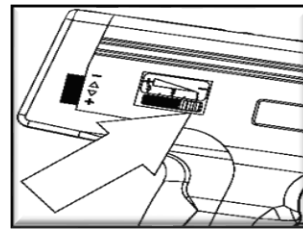
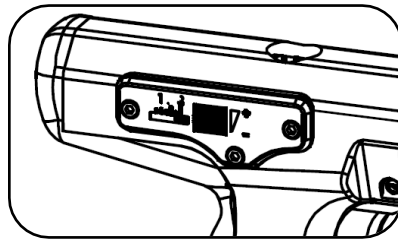
6. Hold tool with muzzle upwards. Insert fastener point first in cocking lever and let it slide down.
7. Pull firmly to release and swing over cocking lever till aligned with muzzle.
8. Pull back cocking grip on cocking lever as far as it goes. This positions fastener correctly in guide. Return grip and pivot cocking lever back to its original position.
9. Insert a load strip into the tool from the bottom of the feed track housing until the bottom edge is flush with the bottom of the housing.
10. Check power regulation. Indicator in rear position (3) means the max. power.
11. Hold tool perpendicular to work surface. Depress tool completely and squeeze trigger.
12. Repeat step 1 to 6 until all ten loads in the strip have been fired.
13. Pull the fired load strip from the top of the tool, and repeat the entire sequence until all desired fastenings are made.



## 4. POWER SELECTION

The power level of a charge is indicated by its number and the color of the strip:

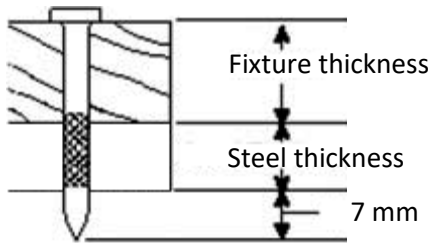
POWER SELECTION				
Reference	Number	Color	Power	Application
FPP4AM	2	Yellow	Medium	Concrete < 350 kg/cm <sup>2</sup> Solid Masonry
FPP5RO	3	Red	High	Concrete > 350 kg/cm <sup>2</sup> Steel



Always perform a test fastening by first using a charge with the lowest power level (yellow).  
The power can be adjusted using the dial located at the rear of the gun, where 1 is the lowest power.

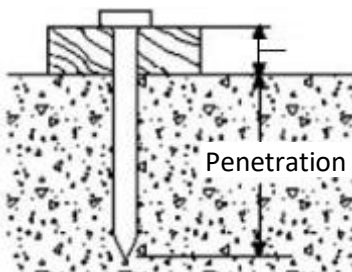
## 5. NAIL LENGTH SELECTION

### 5.1 STEEL



**Nail length = 7 mm + Fixture thickness + Steel thickness**

### 5.1 CONCRETE



**Total nail length = Fixture thickness + Penetration**