

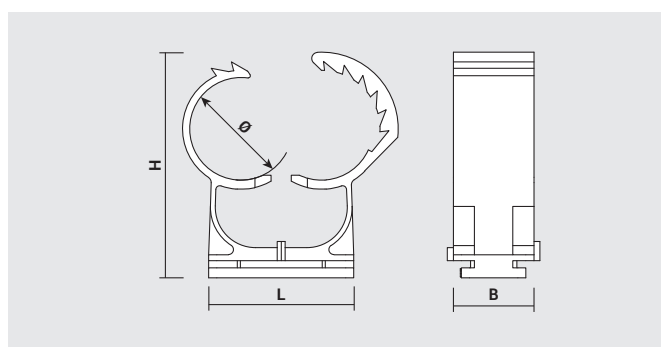
Features

- Multidiameter. The design for multiple closing and the adaptable lower side allows fixing up to 3 main sizes and all the possible intermediates.
- Fast installation. This clamp can be tightly closed by pressing all type of plastic pipes. Several clamps can be fixed at once. No need for tools.
- Compatible with FORCE ONE+, FOX, other nailers and screw fixing, up to Ø 4.5 mm.
- It can be fixed in 10 – 11 mm wide channels.
- High resistance to pull out and axial forces.

Certificates and approvals



Main dimensions



Reference	Ø D Clamping range [mm]	L [mm]	B [mm]	H [mm]
ABT 14-18	14-18	24	20	35.6
ABT 20-25	20-25	29	20	45.5
ABT 26-32	26-32	36	20	53.6
ABT 35-42	35-42	45	20	66.4

Base materials

- Concrete
- Concrete block
- Solid brick
- Steel

Installation parameters

Normal conditions of 23 °C:

- In horizontal position it is recommended a distance of 1.5 m for electrical installations and 1 m for sanitary installations.
- In vertical position it is recommended a distance of 2 m for electrical installations and 1.3 m for sanitary installations.

In conditions of 90 °C:

- It is recommended in plumbing installations a distance of 0.7 m for horizontal position and 1 m for vertical position.

Installation procedure



Product specifications

- Material: Polyamide 6 modified with elastomer.
 - Color: Grey RAL 7035, black RAL 9011 or white RAL 9003 (black and grey are UV resistant).
 - Temperature: To install; -5 °C (*) / 45 °C; After installation; continuously; -10 °C / +90 °C; peak -25 °C / 110 °C.
- (*) 0 °C installation using gas nailer.

Recommended loads

Material	5mm steel	Prefabricated concrete	250 kg / cm ² concrete	Concrete block
Selected nail ⁽¹⁾	TK13/1000	XH22/1000	TK25/1000	TK25/1000
Recommended loads [kg] ⁽²⁾	20	35	30	25

⁽¹⁾ Recommended nail by CELO according to different materials.

⁽²⁾ Safety factor included.

Tensile Resistance according to UL Approval

Reference [mm]	Pipe range		Load
	RMC, IMC, EMT	PVC	
14-18	3/8	-	23 kg
20-25	1/2	1/2	23 kg
26-32	3/4	3/4	23 kg
35-42	1-1/4	1-1/4	23 kg

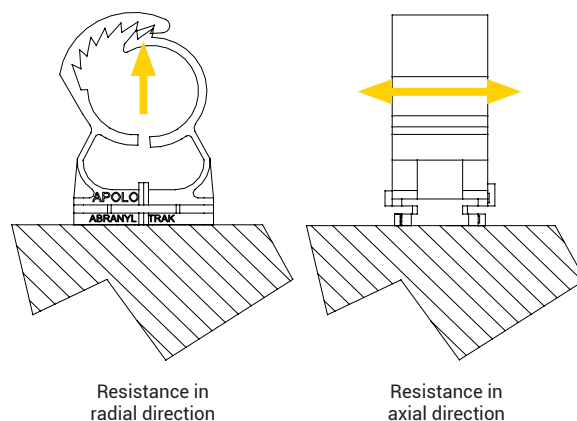
Resistance according to Kiwa Approval

Reference [mm]	Radial direction [kg]			Axial direction [kg]
	Resistance approved by Kiwa in 23 °C of normal conditions	Recommended value at 90 °C	Break value at 23 °C (forced aperture)	Final resistance °C ^(*)
14-18	19	11	45	3.5
20-25	24	16		4
26-32	38	19	50	4.5

^(*) Higher diameter in every case.

Notes

- The resistance values of the fixing (nail or screw with clamp) depends on the base material, the nail length and the clamp resistance.
- As reference always use the lower value.
- Fixing in hard materials: in concrete of density higher than 250 kg/cm² and steel, the nail pull out value should be higher than the clamp radial strength. Therefore, the total fixing resistance should be calculated according to the clamp resistance.
- Fixing in Soft materials: In softer materials as concrete blocks, the fixing resistance of the fixing should be calculated according to the nail pull out values.



Range of pipes

Reference	Pipe type							
	EMT	IMC	RMC	PVC	Aluminio	Cobre	CPVC	PVDF
ABT 14-18	1/2"	-	-	-	-	1/2" & 5/8"	1/2"	
ABT 20-25	3/4"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	1/2"
ABT 25-32	1"	3/4" & 1	3/4"	3/4"	3/4"	1"	1"	3/4"
ABT 35-42	1-1/4"	1-1/4"	1 & 1-1/4"	1 & 1-1/4"	1 & 1-1/4"	1-1/4" & 1-1/2"	1-1/4" & 1-1/2"	1" & 1-1/4"