

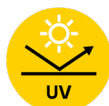


Key features

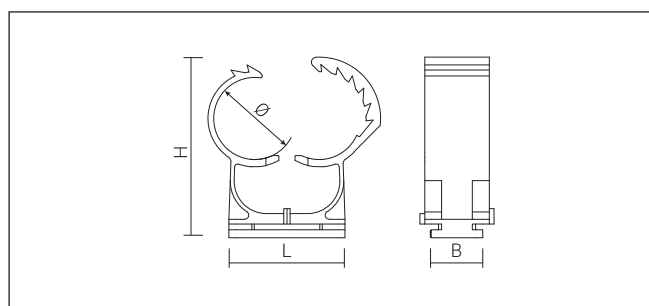
- Multidiameter. The design for multiple closing and the adaptable lower side allows fixing up to 3 main sizes and all the possible intermediates.
- Fast installation. This clamp can be tightly closed by pressing the pipe. Several clamps can be fixed at once. No need for tools.
- For all types of pipes (multilayer, polypropylene, polybutilene, cooper ,steel...).
- It can be fixed with most concrete gas nailer such as FORCE ONE, FOX, SPIT, WÜRTH..
- Screw fixing Ø 4-4.5 mm.
- It can be installed in channels with 10 – 11 mm of wide (for example: channel pvc).
- It has two alignment marks on the side allow easy and fast pipe alignment during installation.
- Manufactured with Polyamide 6 modified with elastomer.
- Halogen free.
- 3 possible colours: Grey RAL 7035, black RAL 9011 and white RAL 9003.
- Black and Grey color UV resistant.
- Temperature:
 - To install -5 °C (*) / + 45 °C.
 - After installation -10 °C / + 90 °C, peak -25 °C / +110 °C.

(*) 0 °C installation using gas nailer.

Approvals



Main dimensions [mm]



Reference	ØD 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

Installation procedure



Scan the Qr code
and get access to
the assembly video

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.

Recommended loads

Tensile and Shear resistance according to ETA Approval.

Fixture	Type of concrete			
	C20/25		C50/60	
	Tensile (kg)	Shear (kg)	Tensile (kg)	Shear (kg)
ABT	3	8	4	10

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

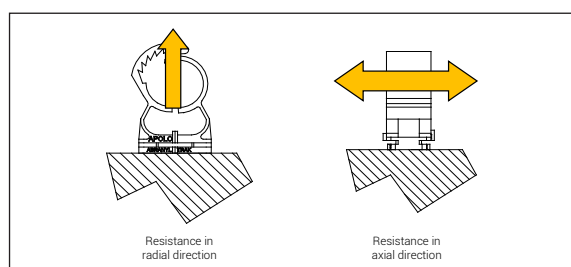
Resistance according to KIWA Approval.

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

(*) Higher diameter in every case.

Normal conditions of 23 °C:

- The resistance values of the fixation (nail or screw with clamp) depend on surface where nail is fixed, 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 equal to the clamp resistance.
- Fixing in Soft materials: In softer materials as concrete blocks, the fixing resistance of the fixing should be calculated equal to the nail pull out values.



Range of pipes

Ø (mm)	Ø Pipes		
	Iron	Copper	Plastic
14-18	3/8"	14-15-18	16
20-25	1/2"	22	20-25
26-32	3/4"	28	32
35-42	1-1/4"	35-42	40-42

Applications

- Holding of plastic pipes.
- Optimum fixing of warm water pipes.
- Ideal for electrical connections.

