

# LOFT LADDERS

Loft ladders manufactured according to laws in force for civil domestic use. They can be opened and closed with a simple movement thanks to the balance springs and can be installed in few minutes. For assembling, it is enough to put the close ladder in the loft opening and block it in the upper part with 4 clamps and 4 screws (supplied) which hook the ladder to the slab. No masonries are needed and assembling can be done directly by the end-user (detailed instruction supplied). All steel components are galvanized. The upper part of each ladder is anchored to a plate frame with thickness of mm 1,2. The set includes 4 balance springs which serve also as damper during opening.

## Useful advice to choose the ladder:

- The loft opening must have the same dimensions of the ladder
- You must measure the height from floor to ceiling and the one of the loft
- Cement lofts do not have problems to support ladders  
In case of wooden lofts ask for professional advice to the manufacturer  
Avoid plasterboard structures
- Ladders do not need routine maintenance and it is forbidden to lubricate them
- It is possible to install the ladder after laying floors
- All ladders are under warranty and are statically inspected by a specific technical office
- Minimum extraction area to extend the ladder: cm 170 (from the hatch hooking to the front wall)
- Dimension in opening position (from the wall to the ladder base): 140 cm

## Harmonica and Snodabile Standard Equipment:

Telescopic right handrail, Top landing handles, Telescopic opening pole, Lock, screws and clamping bolts provided for floor thicknesses of cm 28, inclination 65 °, sheet metal frame thickness 1,2 mm, wooden toeboard (thickness 16 mm), Packaging in shrink plastic.

Stairs for standard slabs from 15 to 28 cm.

Hole cm (larg. x length)	Harmonica for walls	Harmonica for roofs	Harmonica with motor	Harmonica standard	Snodabile standard
50 x 70				in stock	
50 x 80*				optional*	
50 x 90*				optional*	optional*
50 x 100*				optional*	optional*
70 x 70*				optional*	
70 x 80*	optional			optional*	
70 x 90	optional	optional	optional	in stock	in stock
70 x 100	optional	optional	optional	in stock	in stock
70 x 110*	optional	optional	optional	optional*	optional*
70 x 120	optional	optional	optional	in stock	in stock
70 x 130	optional	optional	optional	in stock	in stock



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## Snodabile

Loft ladder in white painted steel profile mm 50x20x1,2, consisting of 4 ramps (10 steps). Suitable for a ceiling height of 3.00 m, indoor use. To adjust the ladder to heights less than 3.00 m it is sufficient to cut the excess portion of the staircase (see assembly instructions). Equipped with right handrail made up of 2 hinged pieces. 4 steel brackets mm 40x3 fix it to the trapdoor reinforced by 2 corner profiles. The steps in pressed sheet metal are welded to the uprights and have the following dimensions:

mm 350x100 x thickness 1,5 mm for trapdoors with a width of 70 cm

mm 250x100 x thickness mm 1,0 for trapdoors with width 50 cm

Thickness of the closed ladder pack: cm 32

On request: (delivery 20 working days)

- Articulated with increased height from 3.01 m to 3.50 m (trapdoor to choose between 70x120 and 70x130)
- Articulated with increased height from 3.51 m to 4.20 m (trapdoor 70x130)
- Articulated with customized trapdoor (minimum size 50x90 cm).

**Note: indoor use**



## Harmonica

Galvanized steel ladder with 11 steps that opens on a pantograph. Equipped with telescopic handrail. It also has 2 metal profiles at angles that fix it to the trapdoor made of 16 mm thick first quality chipboard. The steps in pressed sheet are welded to the elements that make up the pantograph and have the following dimensions:

mm 350x100 x thickness mm 1,4 for trapdoors with width 70 cm

mm 250x100 x thickness mm 1,4 for trapdoors with width 50 cm

The ladder is indicated from 2.80 m up to a maximum ceiling height of 3.00 m and for indoor use. To adapt the ladder to lower heights, it is sufficient to remove the excess steps. Thickness of the closed ladder pack is cm 40.

**On request (delivery 20 working days):**

- Harmonica with increased height from 3.01 m to 3.50 m (trapdoor between 70x120 and 70x130)
- Harmonica with customized trapdoor (minimum size 50x70)
- Wall harmonica: 11 steps with 28 cm wall opening (see table)

**On request (delivery 30 working days):**

- Harmonica for access to roofs or terraces with standard 50 cm slab equipped with a raised box that allows the operator to get up to the terrace or to the roof overcoming the height of the slab with the ladder. Opening the ladder towards the trapdoor opens and the lid on the terrace opens. It is mandatory to indicate in the order the exact thickness and height from the ground of the insole if greater than 50 cm (see Table)
- Motorized harmonica: in painted steel, it is equipped with a motor with a command which allows electric opening and closing (220 V). See Table.

**Note: indoor use**



For roofs m 3,00



For walls