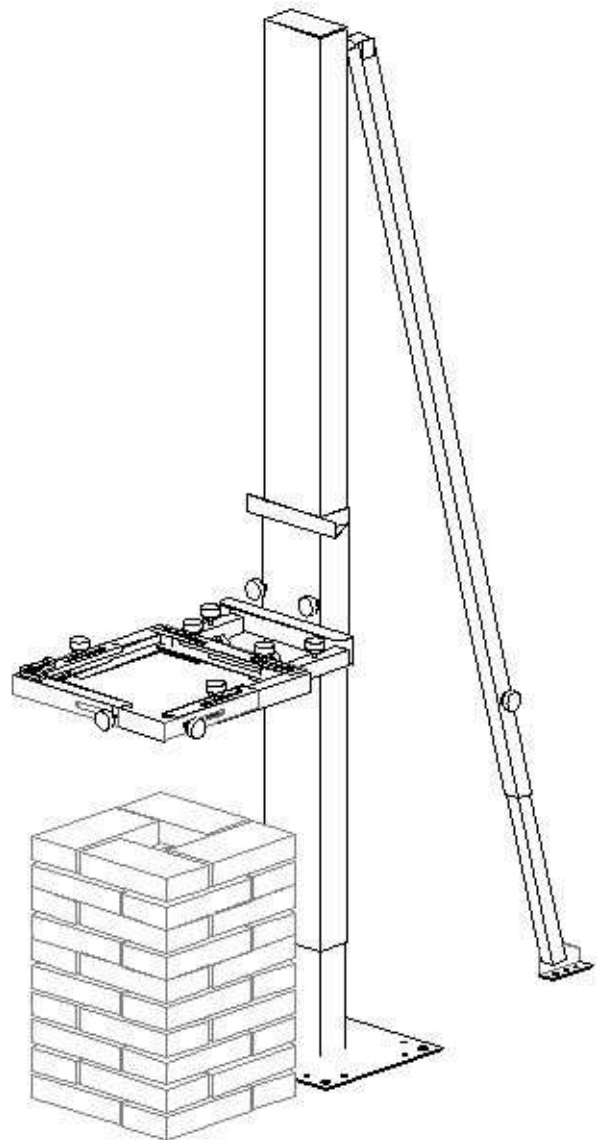




OWNER'S MANUAL

Revolutionary building system
for exposed-stone pillars



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1) INTRODUCTION

IMPORTANT: read carefully the warnings contained in the following booklet as they provide important information regarding safety during the installation, use and maintenance, following these suggestions may avoid unpleasant accidents with the Giraffa tool which may compromise the operator's safety.

Before using the Giraffa System, check the separate components and the quantity needed for each one as reported in these instructions.

This booklet illustrates the assembly and functionality of the Giraffa product.

1.1) Description of the product

The galvanized steel telescopic structure allows the construction of the exposed-stone pillars up to a maximum height of 3.5 m; Giraffa System reduces greatly the time of construction of the pillar, guaranteeing excellent results and particularly the uniformity of the execution.

GIRAFFA is a purely mechanical and manual tool.



1.2) Safety Standards



The Giraffa system is to be assembled with at least two operators in order to support in an easy and secure way the structure, preventing operators from hurting themselves (i.e. Accidental falls).



Wear a helmet and safety shoes to protect yourself against accidental falls of parts of the Giraffa structure.



Wear working gloves to make sure to hold correctly the various components of the Giraffa is designed to avoid sharp edges, nevertheless, the use of gloves prevents possible injuries in any situation in which the operator may find oneself.



Use Giraffa system only at ground level and when there is a safe and flat bottom; do not install the structure in improper places, as it may harm the operators and third parties (failing to observe the previous instructions absolves the company from any responsibility).



Use Giraffa system far from any sources of heat and electricity as the metallic structure is highly conductive, and it could transmit harmful electric shocks to the operator.



Demarcate the work area with the appropriate tape, indicating the rods in a visible manner.

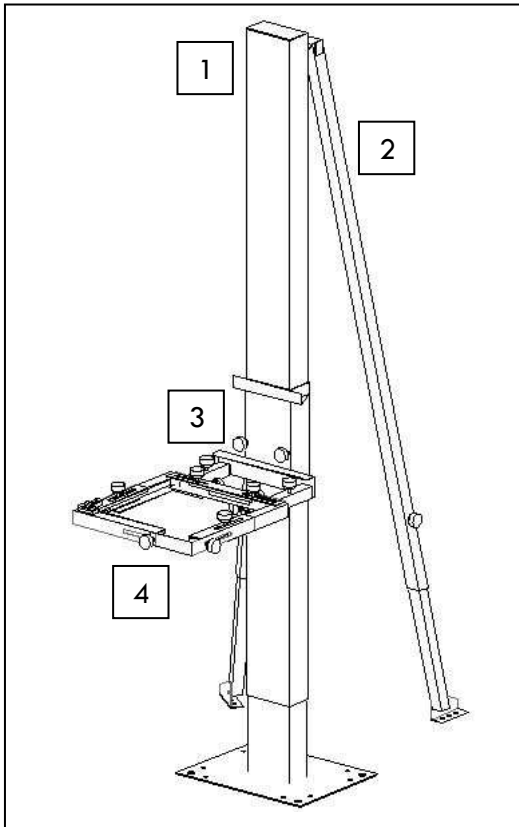
Avoid the use of the Giraffa system and its tampering by unauthorized personnel.

The Giraffa has to be used within the security plan.



2) GIRAFFA KIT

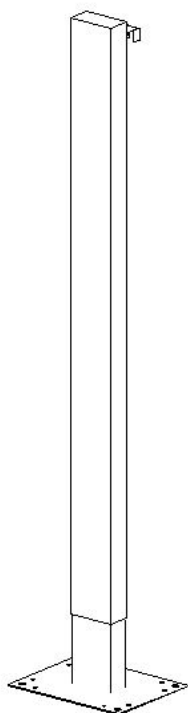
2.1) Package contents



REF. PICTURE	CODE	QUANTITY	DESCRIPTION OF THE BASIC KIT
1	GR 35	1	ADJUSTABLE BEARING TELESCOPIC STRUCTURE
2	ST 35	2	ADJUSTABLE TELESCOPIC SUPPORTS WITH ARTICULATED FEET
3	CU 35	1	SLIDER
4	DM 25 DM 38 DM 51 DM-GIR 38	4 (n° 1 forcode)	TEMPLATES FOR DIFFERENT TYPES AND SIZES OF PILLARS



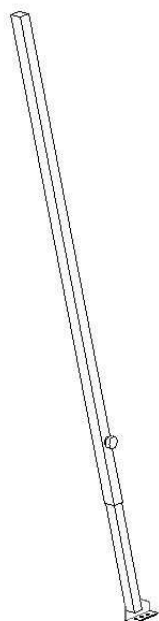
1) ADJUSTABLE BEARING TELESCOPIC STRUCTURE (Code GR 35)



The adjustable bearing telescopic structure allows the scrolling of the slider on which the template is applied. The tube is telescopic, therefore it allows the construction of pillars of various height up to a maximum of 3.5m.

At the back of the tube there is a plumb line that allows you erect perfectly straight pillars.

2) ADJUSTABLE TELESCOPIC SUPPORTS WITH ARTICULATED FEET (Code ST 35)

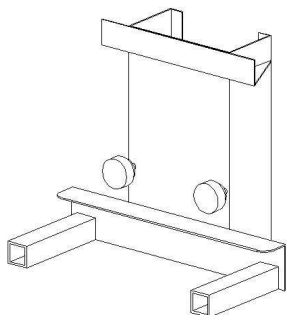


Telescopic supports allow you to place Giraffa at any location, even on a very rough ground as they are telescopic and with articulated feet.

You can also fix the telescopic supports against a wall; their task is to keep the structure in safe and solid way.



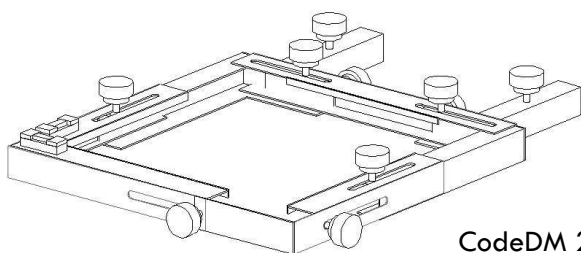
3) SLIDER(Code CU 35)



Slider allows the adjustment of the template from the ground on which it is applied, because it runs on the middle bearing tube.

The scrolling can be stopped by two screws.

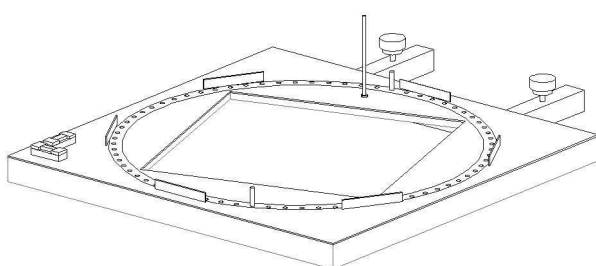
4) TEMPLATES



CodeDM 25

DM 38

DM 51



Code DM-GIR 38

Basic Giraffa Kit includes four types of templates:

- Square and rectangular - section column template 24-34 cm (code DM 25)
- Square and rectangular - section column template 37-49 cm (code DM 38)
- Square and rectangular - section column template 50-71 cm (code DM 51)
- Template for helical pillars (codeDM-GIR 38)

On request, it's also possible to provide the personalized templates.



3) GIRAFFA SYSTEM INSTALLATION

3.1) Assembling tools

For the installation of Giraffa system there is no need of special equipment; the locking screws can be tightened manually, while is recommended the use of a proper key for bolts.

3.2) Assembly instructions

You can assembly the Giraffa system in an easy and rapid way; you need only to put the slider at the top of the middle bearing tube (figure n.1), and apply the template you want on the slider (figure n.2).

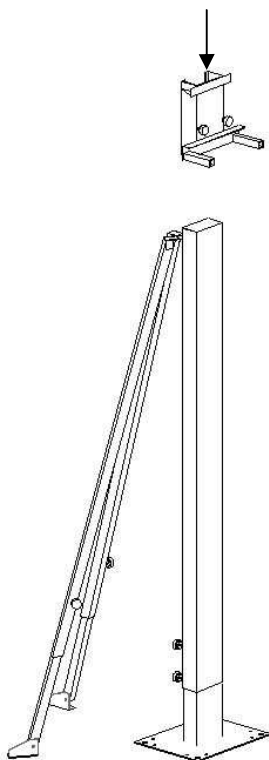


Figure 1

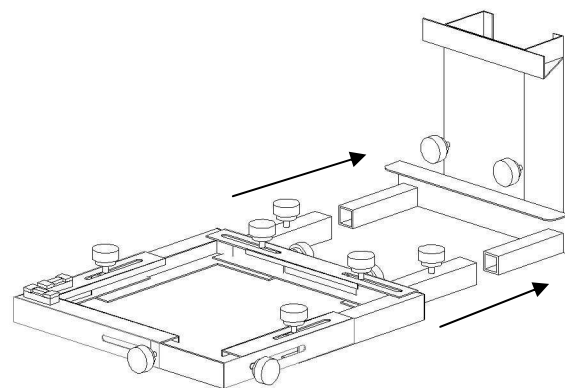


Figure 2



3.3) Installation and positioning

The various ways in which the Giraffa can be positioned depend on different requirements and different building yards, also because the Giraffa system was created in order to be adapted to different conditions..

In this instruction book i twill be illustrated how to position the Giraffa and i twill be showed its use in the most ordinary phases in a building yard:

- Place the Giraffa tool where you want to build the pillar, then place the base of the middle bearing tube fixing it to the flat ground by its adjustable telescopic supports using nails, screws or dowels;
- Find the perfect axial setting of the system to ensure the construction of perfectly straight-up pillars (figure n.3); You can also verify the correct placement of the Giraffa thanks to the two toric levels set on at an angle of the template you use (only for DM 38, DM 51 and DM-GIR 38).

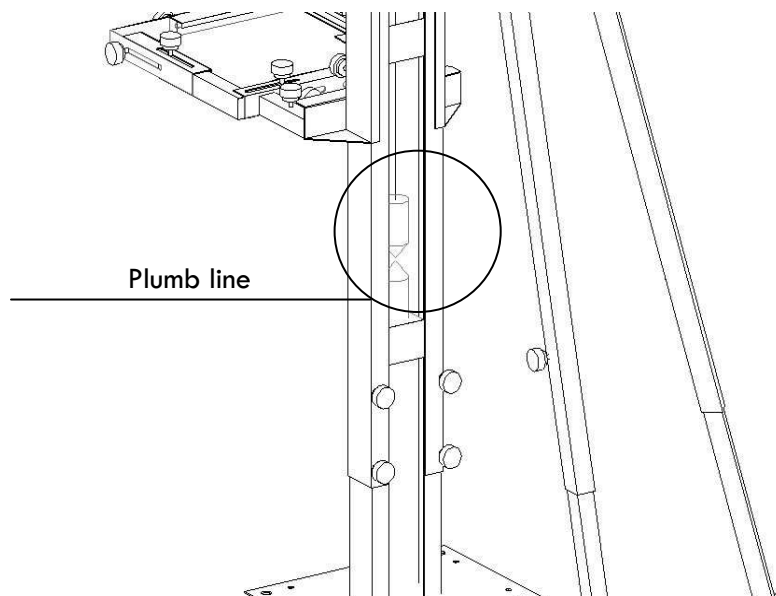


Figure 3



All the movements you do for the achievement of the correct position are made by sliding the telescopic supports that you stop when they reach the perfect verticality of the middle bearing tube (figure n. 4).

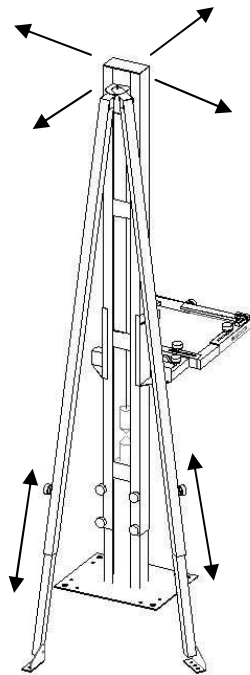


figure 4

Thanks to the articulated Giraffa system, in case of impossibility or different requirements of the building yard, the telescopic support can also be secured to the wall.

The Giraffa system can help you to build a pillar up to a maximum height of 3.5 m; but even if you want to reach greater height, the nit can be also installed above some auxiliary structure, considering always all safety measures.

It must be remembered that proper installation guarantees a successful outcome and prevents accidental falls from injuries caused by the tool.



4) THE USE OF GIRAFFA SYSTEM

4.1) Basic and repetitive operations

Once the Giraffa structure has been installed, the operator may begin with the construction of the columns according to the following, fast and simple operations:

- After having completely lowered the template to the ground, you can start the building the first level of the bricks (figure n. 5);

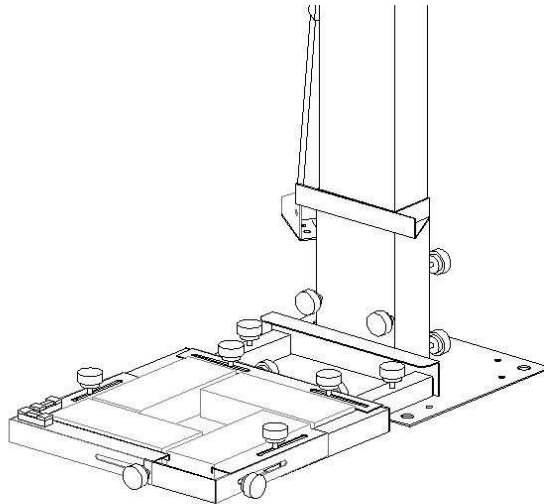


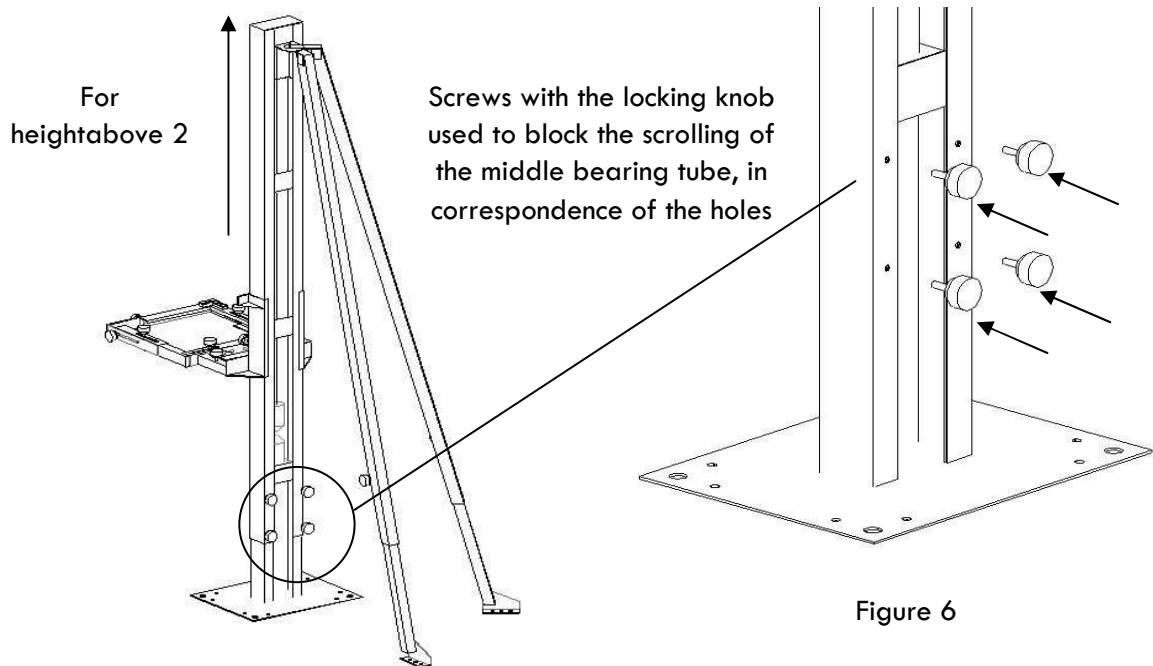
Figure 5

- To facilitate the work is recommended the marking on the middle bearing tube with the indicative lines, after having accounted the rise in height of the template of each level of bricks.
- The operator must repeatedly raise the slider at the desired height while he is building new levels of bricks, you must always make sure that you have tightened the screws accurately with locking of the slider because of your greater safety and for better precision of the product.



- This operation may be repeated up to approximately 2.0 m height from the ground; for the columns up to 3.5 m of height, it becomes necessary to extend the telescopic middle bearing tube paying attention to the locking holes (the wheelbase is around 40cm) where the screws will be tightened with the knob behind it (figure n. 6).

The locking holes for the screws with the knob guarantee the worker's safety as they block the accidental slip of the telescopic structure.



- After having raised the middle bearing tube you can proceed with the construction of the pillar by repeating the same repetitive operations for elevations of the slider and therefore of the template.

When you finish the laying of the brick's levels, then you can pass on to finishing the pillar (joints between bricks, cleaning, etc.); this can also be made at the moment of the construction of the pillar, thanks to the high range of Giraffa's components that allow large spaces around the pillar without removing the entire Giraffa structure.



4.2) Adjustable square and rectangular template

The templates have the task of ensuring the perfection of the product respecting the three Cartesian axes and moreover they've got the main role in the Giraffa structure.

The templates have got a rapid system of the modification, due to the screws with knob and thanks to the rigorous sizing of the components.

The modification in section can be done simply by unscrewing of the screws with knob and by enlarging or tightening the steel profiles up to the desired size (figure n. 7).

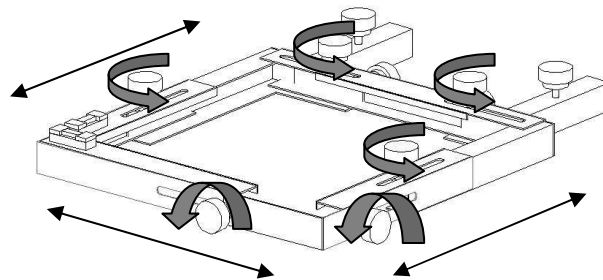


Figure 7

4.3) The template for helical pillars

The use of the construction of helical pillars is the same as that for the square or rectangular pillars; the difference is that measure of the section is fixed and at each next level of bricks is necessary to rotate the inner disk to obtain the desired angle (the rotation of a hole is equal to 5°). (Figure n. 8)

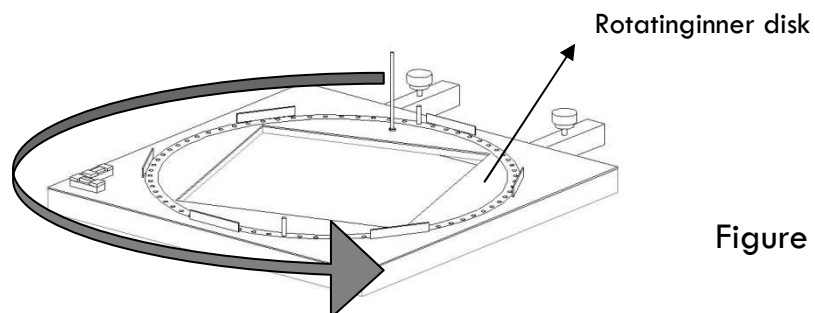


Figure 8



5) MAINTENANCE

As Giraffa system is a fully manual and mechanical tool, there is no need of any special maintenance; nevertheless you have to keep clean the entire structure, eliminating residues of glue, cement and crushed stone from sliding points.

It is recommended to store and use the Giraffa structure only in dry locations.

Do not bend or deform any component.

6) WARRANTY

The two-year warranty covers only possible manufacturing defects, which can't attributable to an improper use of the equipment. Any eventual breaking due to the improper use of the Giraffa tool will not be accepted under warranty.

Visible deformation of the sliding elements due to their incorrect use or assembly will not be accepted under warranty.

Changes of the tool, made by third parties, will void your warranty and will release the producer from any responsibility.

Contact the manufacturer in case of doubt arisen during the assembly or maintenance of the Giraffa.

All rights of the production of these instructions for use, in whole or in part, are reserved.

Giraffa is a registered patent.

Any imitation will be prosecuted by law.



NOTE:



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Attached to the Owner's manual

TEMPLATE FOR ROUND SECTION PILLARS

Using the basic template for the helical pillars, combined with an appropriate round disk (DST Code 30), you can also build a round section pillars.

- 1) Remove the top plate from the template used for the construction of helical pillars (DM-GIR 38) (with the central square hole). Figure 1

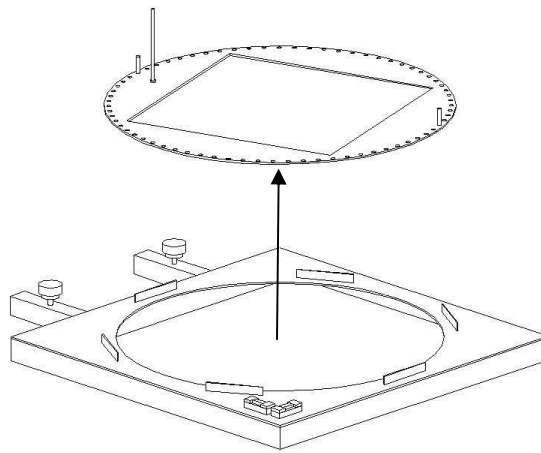


Figure 1

- 2) Apply the round disk (DST Code 30) on the basis of the template for helical pillars (DM-GIR 38) Figure 2

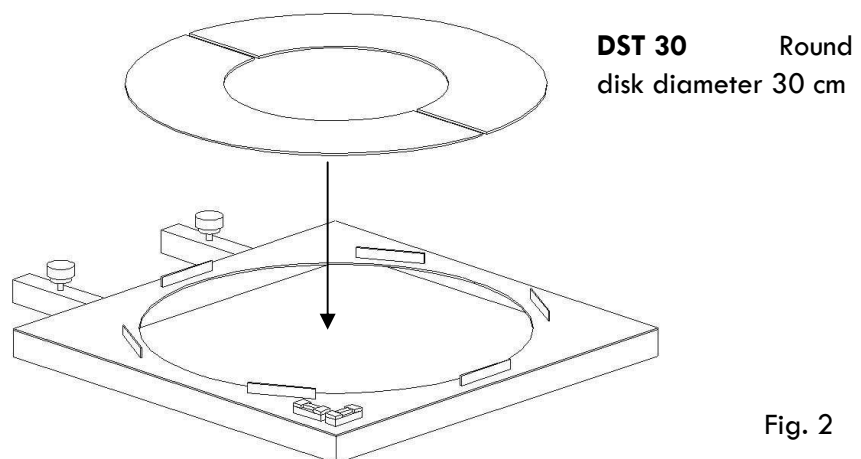
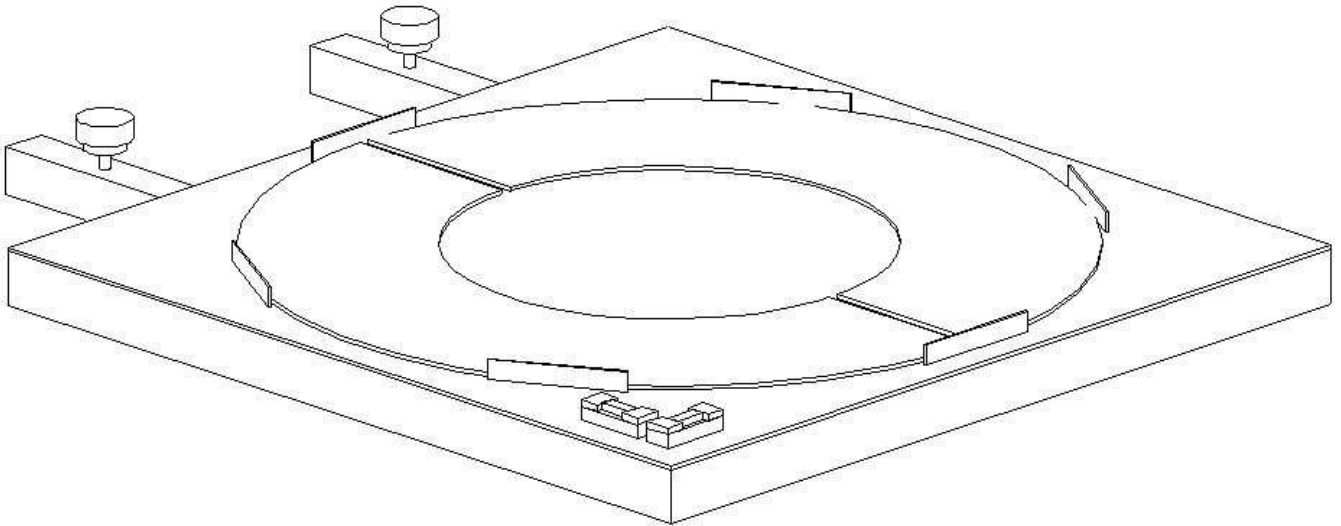


Fig. 2



The new template will appear as follows:



The code of the disk for the construction of round section pillars is composed as follows:

DST + number corresponding to the diameter of the desired section

Example: DST 30 = round disk for the section pillars with diameter of 30 cm.



Applying the template to the structure Giraffa, you can start with the construction of the pillar:

