idealair group

ONEAIR

METAL

High induction half round duct system

Installation Instructions

DHI

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ONEAIR DHI METAL – Half round ducts

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GENERAL INFORMATIONS

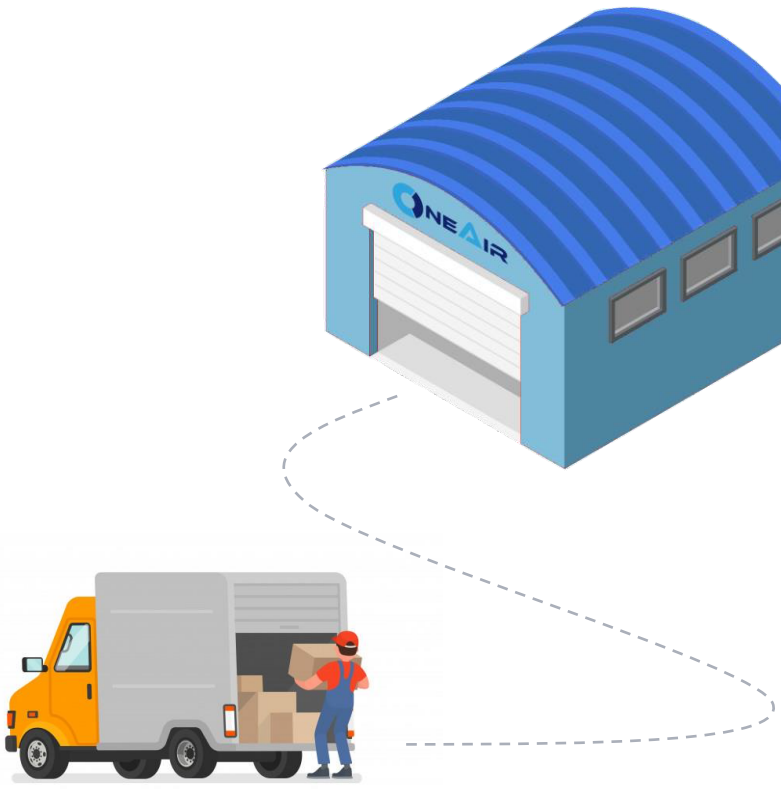
On the following pages you will find assembly and installation Instructions for the **ONEAIR DHI METAL HALF ROUND** diffusing ducts.

DELIVERY AND RECEPTION

Before proceeding with the installation, the customer is requested to check the status of the goods received and the entire correspondence with the delivery order.

We ask you to indicate the presence of possible damaged pieces at the time of receipt of the goods and, if necessary, to indicate in the delivery note of the carrier the acceptance under reserve, noting exactly the type of damage found.

Furthermore, please contact us as soon as possible at *amministrazione@oneair.it* and, if possible, send us photos of the damaged parts.



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COMPOSITION OF PALLETS

The half round diffusers are supplied open, to be assembled, inside a cage. The flat parts, as well as the calendered ones, are grouped one after the other, thus reducing the volume required for shipping.

Cage containing the components of a half round duct

Details of the flat components

Details of the calandered components

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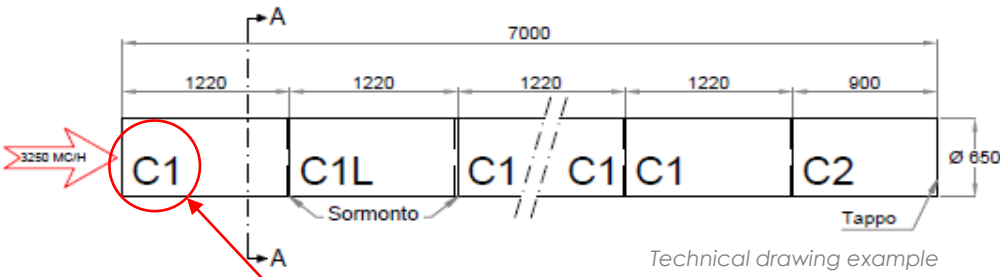
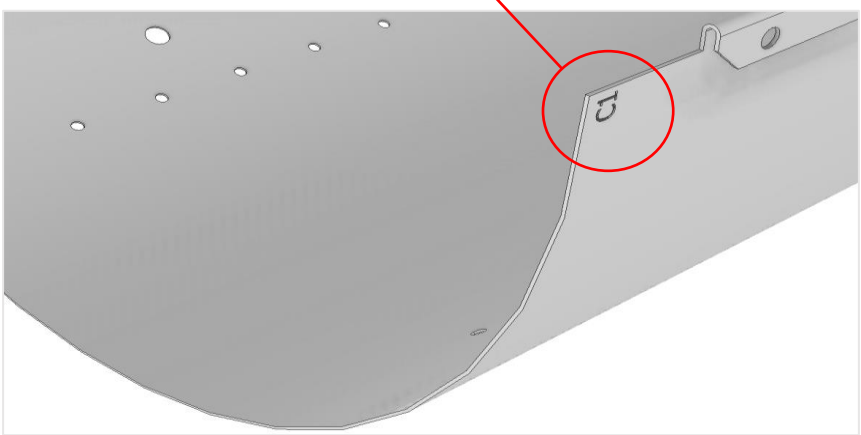
IDENTIFICATION OF SECTIONS

To identify the sections, refer to the technical drawings which are part of the documentation shipped with the material.

On each module is provided, mechanically stamped (on the outside) or handwritten (on the inside), the letter and number corresponding to the sections indicated in the technical drawing, approved before the production of the duct.



Technical drawing example



Location of the code imprint on the duct

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1. ASSEMBLY INSTRUCTIONS

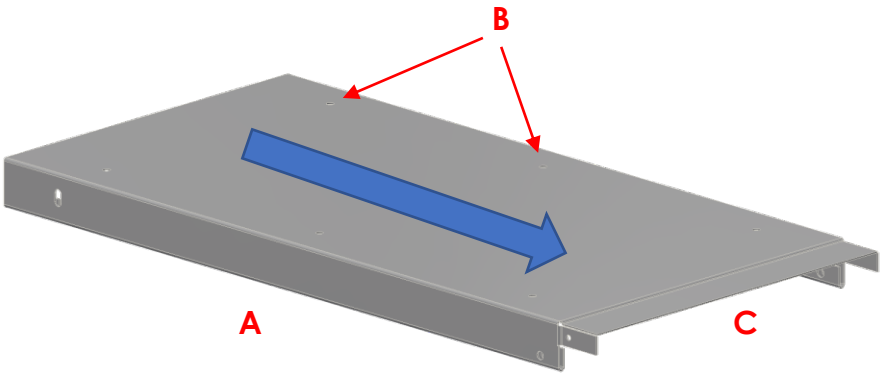
1.1 CEILING INSTALLATION OF THE DIFFUSER

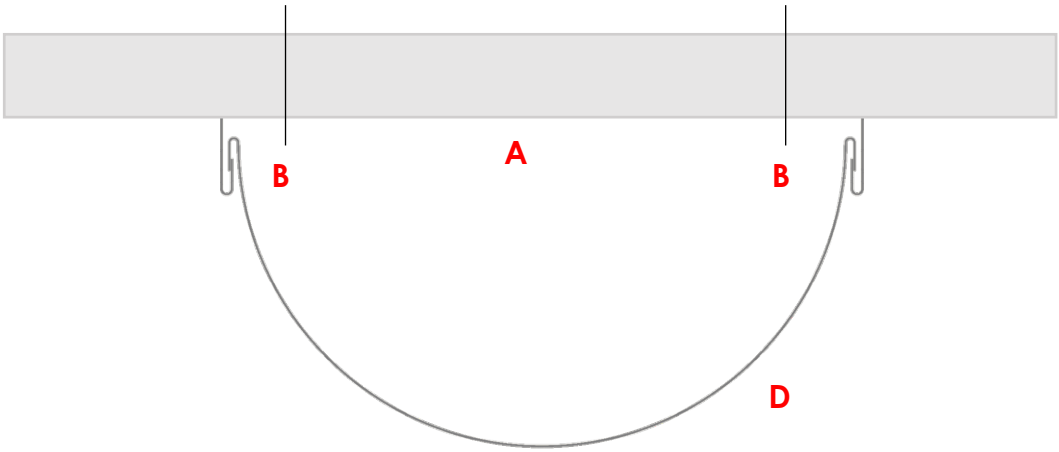
ATTENTION: The half round duct is designed to be fixed to a flat surface.

To install the modules follow the procedure below, the screws necessary for installation are not provided.

1. Fix the first sky (**A**) to the ceiling using the Ø 4 mm holes on the flat surface (**B**). The sky has a lowering (**C**) that must be installed in the direction of the air flow (blue arrow), positioning it on the side opposite the entrance.

Note: The half round part (**D**) will be installed later.





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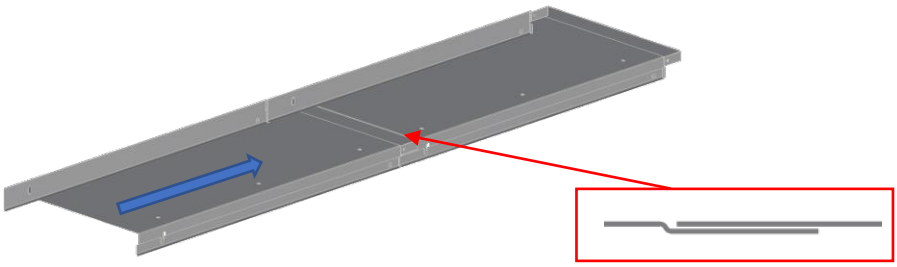
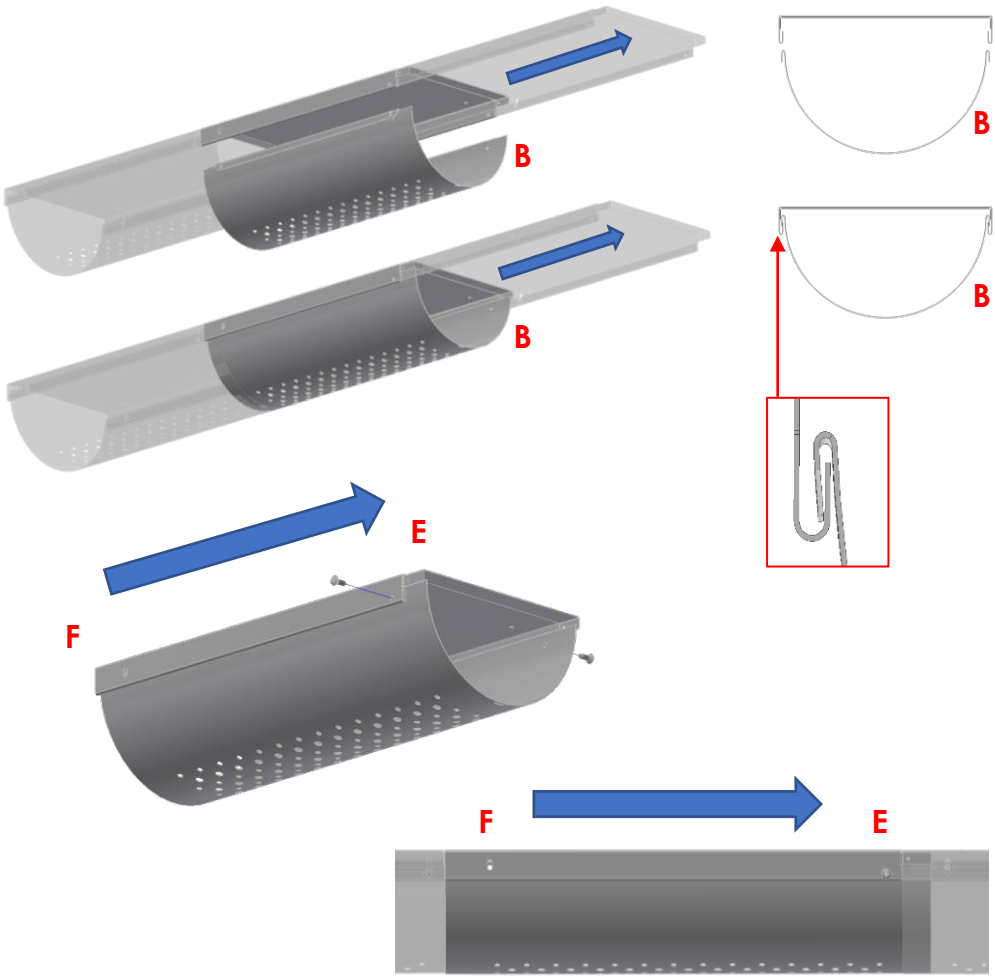
2. Repeat the procedure just described for the remaining skies, making sure that the overlap always respects the direction of the air.



3. Once the skies have been fixed, we move on to the installation of the half round parts (**B**). Starting from the beginning of the duct, position them on the skies as shown in the figure, always respecting the direction of air in the overlaps, and secure them in place with a screw on the circular hole (**E**).
4. Note: do not use the slotted hole (detail **F**) in this step



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4. The ducts thus installed will have a space on the half round parts (figure 1). Eliminate this space by pushing the half round parts from the bottom upwards and once complete adherence is achieved (figure 2) fixing them in positions by means of screws on the slotted holes (**F**).

Figure 1

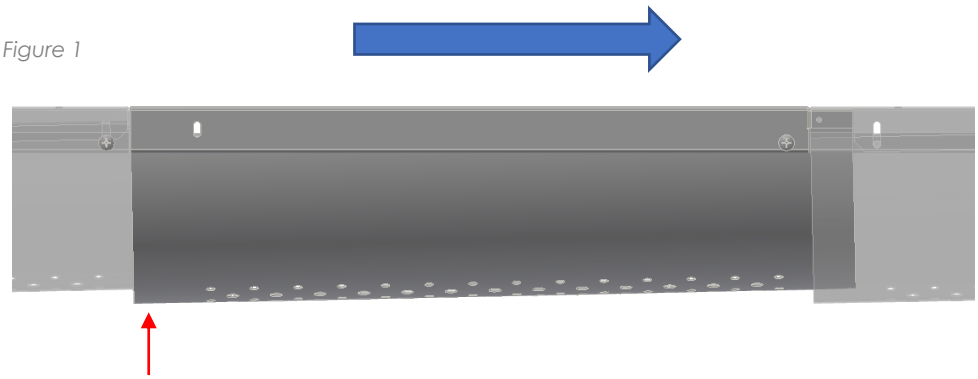


Figure 2

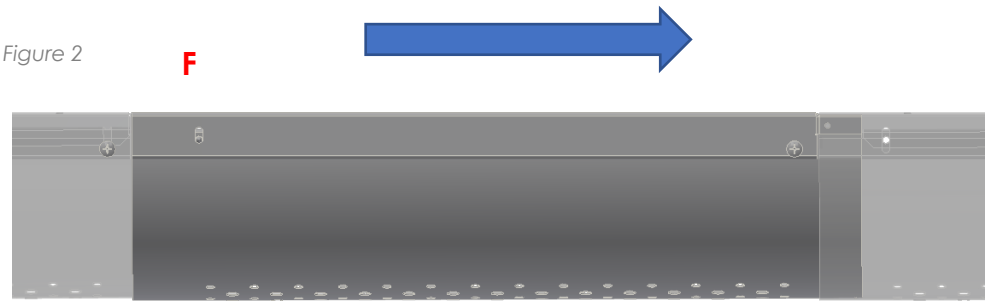
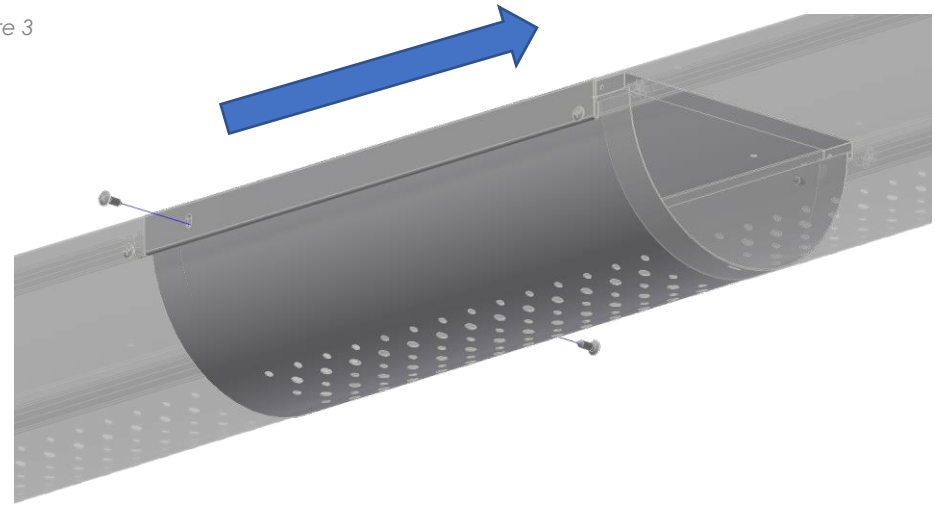


Figure 3



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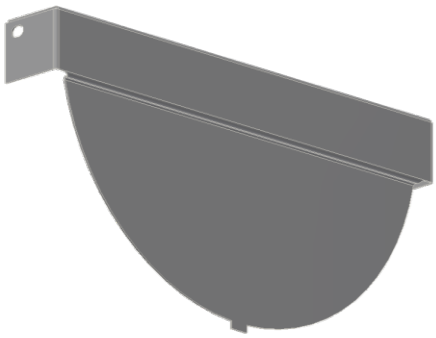
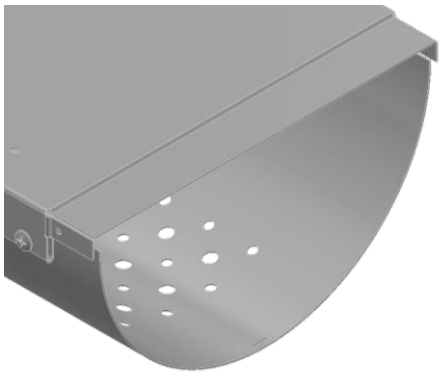
NB: It is possible to follow the steps described so far by proceeding by single module: fix the sky (step 1-2), mount the hald round part through round holes (step 3), bring it to the stop and fix it through the slotted holes (step 4), repeat until the end of the line.

In this way it will not be necessary to walk the line of the duct several times to complete the installation.

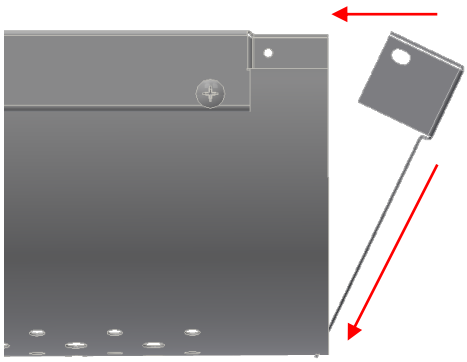
5. To install the end cap, place the tooth (**G**) in the appropriate hole (**H**) on the half round part of the final module. Bring the cap to the stop surmounting the lowering of the ceiling and fix it in place with the screws.

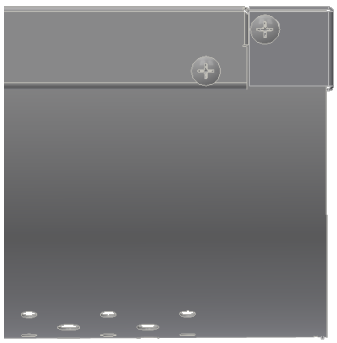


G



H





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