ISTRUCTION of ASSEMBLY

UNIMONDIAL GALV

ROSSS
made to last,
made to resist,
made in italy.

www.rosss.it

UNIMONDIAL GALV DESCRIPTION

Our company, using a wide experience in production and a system technologically advanced, is able to offer safe and rational solutions to every problem of storage. Our modular structures meet the most stringent load requirements, while providing maximum ease of installation and incredible functional agility . The ROSSS was the first Italian company to have obtained Quality System Certification according to rule UNI EN ISO 9001 in design and manufacture of metal shelvings and then in 2002 we were the first in Italy to obtain the prestigious ISO 14001 certification, followed by EMAS and SA800. All these aims underline an efficient business organization, an absolute thoroughness in all phases of our activities (design, raw materials acquisition, production, installation and customer care service), the environment and its employees, for the benefit and guarantee of customer.

Since several years we are part of the 'Acai' (Association of Italian Steel) Section Steel Constructors, which has developed a program of self qualification , we are one of the companies to have passed those tests, been awarded with the "Quality Safety CISI" established from Acai to ensure customers the quality and safety of the product in all phases of implementation, from design to customer care service. We are also the 'only Italian company to have been awarded by official laboratories in Germany, strict tests on our facilities, obtaining the approval of the German static.

For the designing and manufacturing of our products we follow technical specifi-cations produced by "A.C.A.I." sezione "Scaffalature Industriali". The technical specifications above are reffered to the norms listed below;

- CNR 10011: "Costruzioni di acciaio: istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione".
- CNR 10022: "Profilati formati a freddo: istruzioni per l'impiego nelle costruzioni".
- ENV 1993-1-1 Eurocode 3 "Design of steel structures".
- FEM 10.02.06: "The design of hand loaded static steel shelving systems".
- UNI EN 10204: "Prodotti metallici. Tipi di documenti di controllo".
- D. Lgs. 21 maggio 2004 n. 172.
- D. Lgs. 9 aprile 2008 n. 81.
- UNI EN 10025: "Prodotti laminati a caldo di acciai per impieghi strutturali - Condizioni tecniche di fornitura di acciai non legati per impieghi strutturali."
- UNI EN 10051: "Lamiere e nastri laminati a caldo in continuo, non rivestiti, di acciai legati e non legati - Tolleranze dimensionali e di forma."
- UNI EN 10130: "Prodotti piani laminati a freddo di acciaio a basso tenore di carbonio, per imbutitura o piegamento a freddo – Condizioni tecniche di fornitura".
- UNI EN 10131: "Prodotti laminati a freddo, non rivestiti e rivestiti con zinco o con zinco nichel di acciaio a basso tenore di carbonio e ad alto limite di snervamento, per imbutitura e piegamento a freddo – Tolleranze sulla dimensione e sulla forma".
- UNI EN 10143: "Lamiere sottili e nastri di acciaio con rivestimento metallico applicato per immersione a caldo in continuo - Tolleranze dimensionali e di forma."
- UNI EN 10219: "Profilati cavi formati a freddo di acciai non legati e a grano fine per strutture saldate."
- UNI EN 10346: "Prodotti piani di acciaio rivestiti per immersione a caldo in continuo – Condizioni tecniche di fornitura".

SYSTEM N°_____ YEAR OF CONSTRUCTION _____
(Please quote the number of delivery note/year)

UTILIZATION LIMIT OF THE RACKING

It is not allowed to position on the racking neither horizontal loads nor dynamic loads both vertical and/or horizontal.

It is not allowed to bump against or to lean to the racking with fork lift trucks or whatever equipment.

It is not allowed to use the racking in a different way from the one described in this manual.

The racking is designed for a specific use. Possible changes of the geometry may be produced only under authorization of our Technical Department.

WARNING

The instructions contained in this manual are significant for some details.

Such instructions are exhaustive for the aims of the present manual: correct assembly, use and maintenance.

The exact dimensional features can be deduced from the delivery note.

The drawings listed in this manual are produced for a commercial didactic purpose.

In case of customer takes care of assembling,ROSSS declines any responsability for damages to things and person caused by this activity.

Our production is under guarantee by ASSICURAZIONI GENERALI with Insurance policy n. 989455770 .Risk products policy. e . Civil liability. with coverage up to € 1.549.370.

PREPARATIONS FOR THE ASSEMBLY

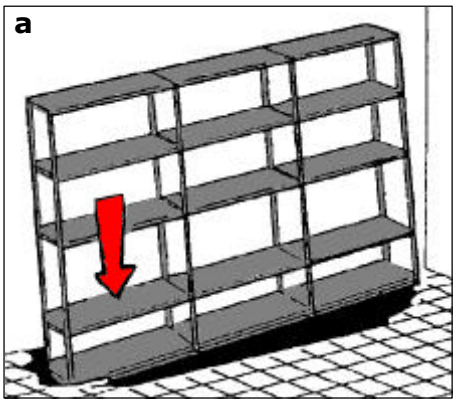
a) Check the capacity of the floor

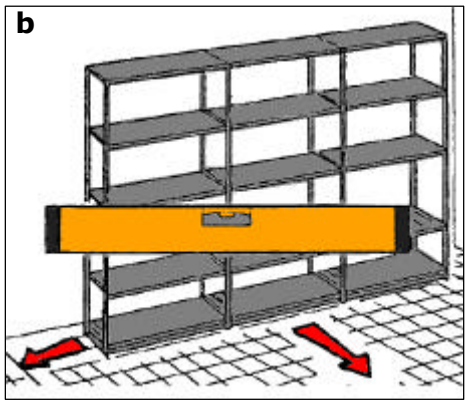
b) Check the levelling of the floor

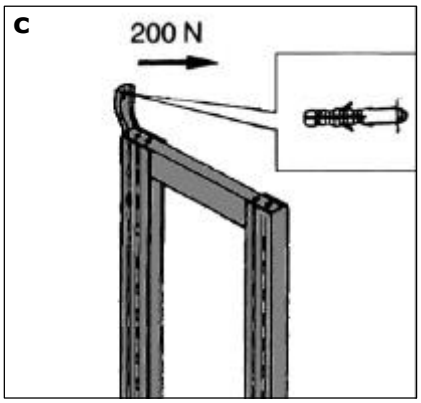
c) Minimum extension strength of the anchoring 200 N (20 kg): use thebracket type B for shelving systems higher than 3.000 mm

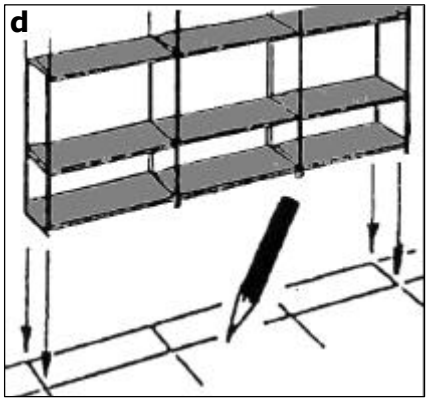
d) Mark out the exact position of the shelving on the floor

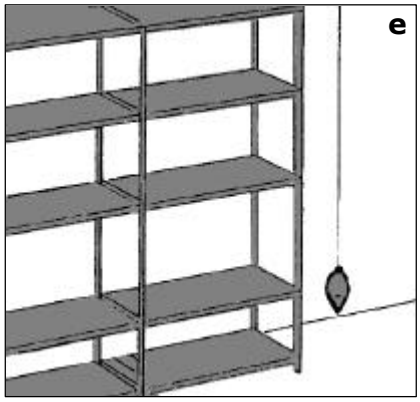
e) The shelving must be assembled vertically









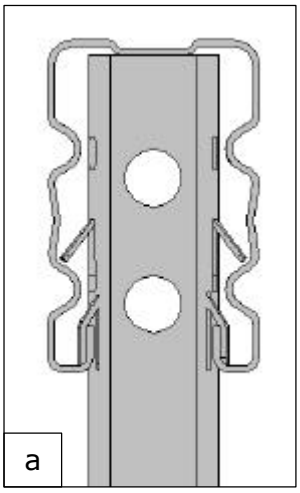


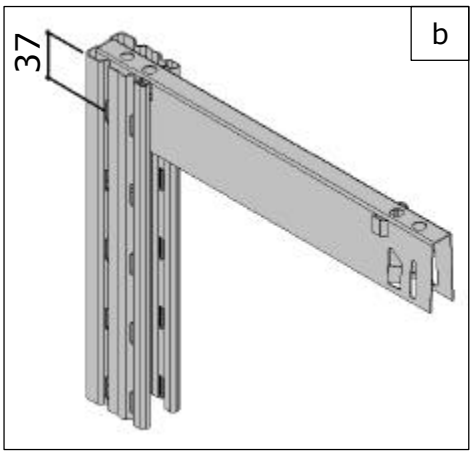
Rackets on the wall must be fixed with brackets and wall dowels.
Shelves in the middle of the room must be equipped with stiffening cross bracings and must also be anchored to the ceiling, where possible, by using special screws (see price list Unimondial)

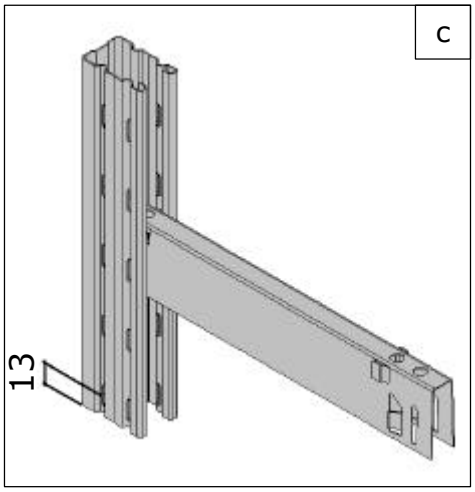
ASSEMBLY TOOLS

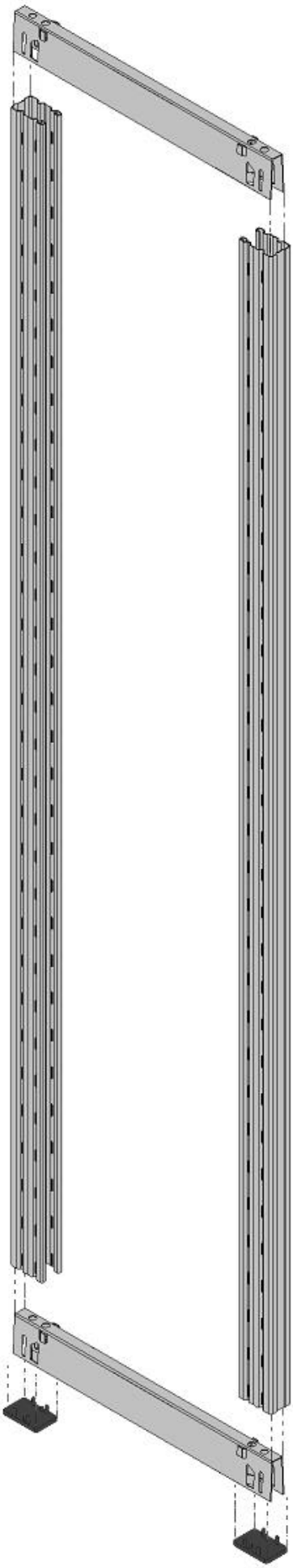
The assembly team must be provided with all the equipments required to prevent job accidents, according to the specific assembly operations (helmet, gloves, accident prevention shoes, safety belts, etc.)

- set of spanner
- screwdriver
- gum-hummer
- pilers
- power drill
- level
- plumb line
- optical level
- meter.



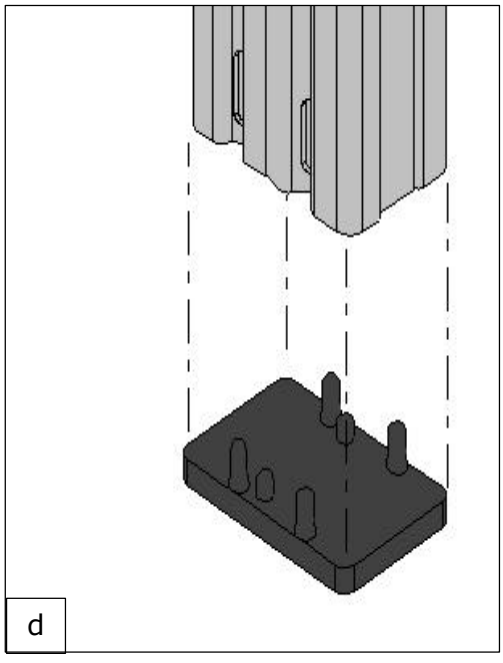




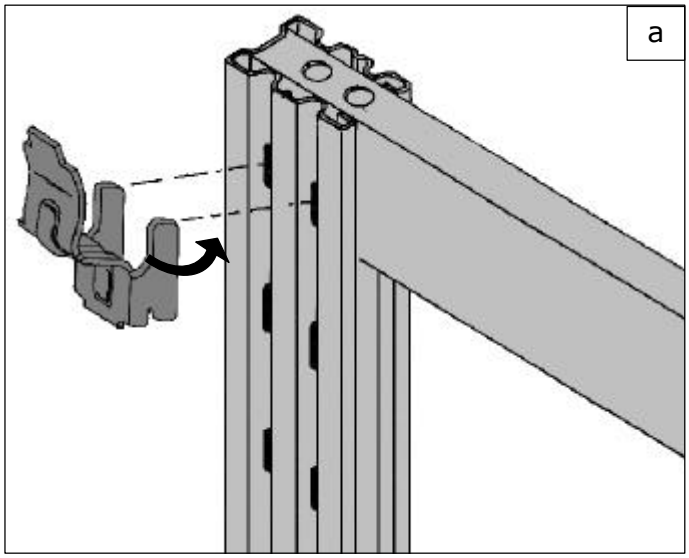


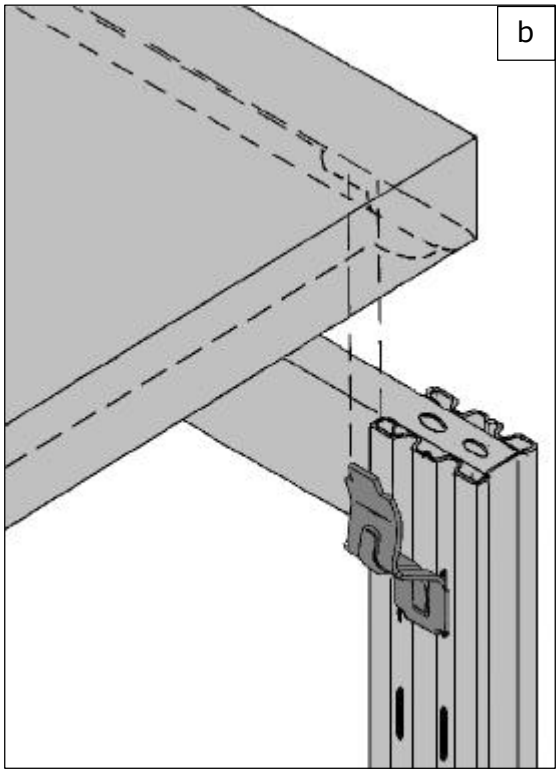
Insert the bracings into the uprights (a), remarking the right position of the uprights side; upper bracing can be positioned at the end of the profile (b).
Lower bracing can be positioned at 150 mm to the ground, and the slot of the bracing should coincide with the third slot on the upright (dimensions corresponding to the upper extremity of the slots).

Insert the base plate in the upright (d), in order the central pins would result inside the profile.



ASSEMBLY OF SHELVES

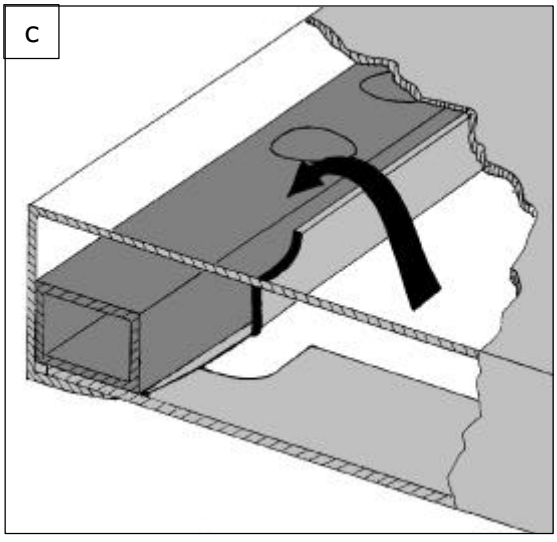


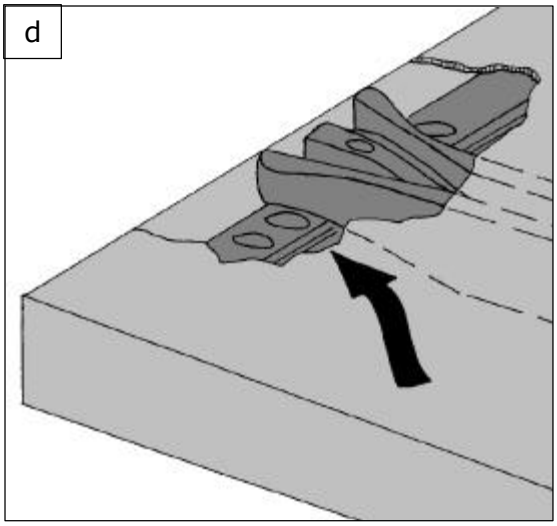


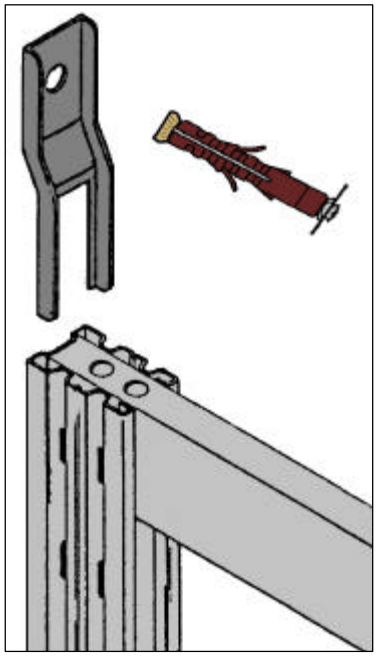
Insert the clip fins in the upright slots.(a); after inserting 4 clip, set the shelf (b); we suggest making a manual pressure only on the corners of the shelf.
Do not use the hammer to assemble the shelf

ASSEMBLY OF REINFORCING BAR

Insert the galvanized reinforcing bars in the lower (smaller) sides of the shelf, by this way the protrusions are positioned upward (c).; then insert the shelf reinforcement between the protrusions, positioned above the reinforcing bar, against the internal surface of the shelf (d).
If there is only one reinforce, this can be posioned centrally; if there are two reinforces, they can be positioned at regular interval.







The shelving systems positioned against the wall must be anchored to the wall with fixing brackets and screw anchors.