

# STAINLESS STEEL BOLT SHELVING SYSTEM

installation, use and maintenance instructions



Entirely made in stainless steel AISI 304 (EN: 1.4301). Suitable for cold storage and food, pharmaceutical and chemical sectors.

## RISKS RELATED TO THE INSTALLATION OF THE SHELF

**BEFORE MOUNTING** the structure check the floors and floor slabs, they must be in good condition, without holes and accentuated unevenness and must have an appropriate consistency for the capacity of the uprights. In the case of shelf to be built on a mezzanine floor it is essential to consult a specialist in order to assess the resistance and the capacity of the floor.

**UNLOADING AND STORAGE OF MATERIALS.** This must be carried out at a predefined location, away from the risks arising from any everyday work and contemporary installation of other systems (electricity, water, air conditioning, etc.). The staff must be informed about the interim storage program, the approach of the material to the area of installation and realization of the system itself.

**ASSEMBLY AND INSTALLATION OF SHELF.** The staff assigned to this work shall be provided with **protective gloves**. The personnel managers must coordinate all phases of movement and installation and ensure that all applicable standards regarding the health and safety of workers are applied.

## BEFORE BEGINNING THE MOUNTING READ CAREFULLY THE CHAPTER "USE AND MAINTENANCE STANDARDS"

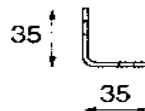
## UPRIGHTS

## MOUNTING SEQUENCE

1

**ADJUSTABLE FEET.**

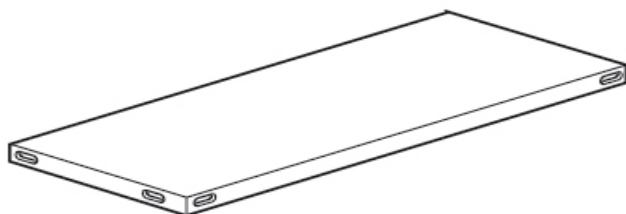
They have been inserted at the base of the uprights.



2

**SHELVES.** Insert the shelves from the bottom up and each use 8 screws TE 6X16 with nut and 16 washers without tightening.

When the shelving is completed tighten all the nuts.



S5011  
35x35x2000



3

**PLAQUES.** For each row of shelves, in a prominent position a plaque must be placed indicating the maximum capacity of the uprights and shelves.

SCAFFALATURA A PIANI			
PORTATA FIANCATA	kg.		
PORTATA MONTANTE	kg.		
ALTEZZA DEL 1° PIANO DA TERRA	mm		
DISTANZA TRA I PIANI	mm		
PIANI IN ALTEZZA	N°		
PORTATA PER PIANO CON CARICO UNIFORMEMENTE DISTRIBUITO			
ART.	DA mm	-kg.	
ART.	DA mm	-kg.	
LA SOMMA DELLA PORTATA DEI PIANI DEVE ESSERE PARI O INFERIORE ALLA PORTATA DELLA FIANCATA MONTANTE			
PORTATA DEL PIANO DI CALPESTIO	kg.		
CON CARICO UNIFORMEMENTE DISTRIBUITO			
ANNO DI COSTRUZIONE			

plaque

## CAPACITIES AND DIMENSIONS

UPRIGHTS		
ART.	DIMENSIONS (mm)	CAPACITY (kg)
S5011	35x35x2000	120

In case of shelves with various spans with single pillars, capacity is halved.

SHELVES			
ART.	DIMENSIONS (mm)	REINFORC.	CAPACITY (kg)
S5036	1000x300	1	100
S5041	1000x400	1	100
S5046	1000x500	1	100
S5061	1200x400	1	100
S5066	1200x500	1	100

Always check the overall capacity for each span.

## SHELF DIMENSIONS

Add the nominal length of the shelves.

## USE AND MAINTENANCE STANDARDS

- **Composition of spans.** For each span it is necessary to place the shelves at a maximum distance of 500 mm apart.
- **Safety.** In declared **seismic** zones any kind of wall mounting is forbidden.  
**The structures are intended for operations carried out manually, not with forklifts or pallet trucks.**
- **Capacities.** For each row of shelves, in a prominent position 1 plaque must be placed indicating the capacities of the uprights and shelves. The capacities indicated are always for **uniformly distributed loads** on the shelf, installed according to our instructions and used correctly.  
**Avoid dimensioning the structures at the limits of capacities.**
- In case of **damage to the structures** you must immediately unload the shelving and replace the parts that are damaged or deformed. Carefully check that the geometry of the shelf has not been changed.  
In case of frequent accidents it is necessary to have adequate safety measures
- **The warehouse manager and operators must be provided with all the information** about the technical specifications of the shelf and the rules for correct use.
- **The user, as required by Law, must verify the suitability and efficiency of the structures**, planning a series of tests and inspections and preparing the dedicated report.
- **Every 3 years it is necessary to inspect the bolts** relative to 10% of the spans. If more than 5% of the bolts measured are not adequately tightened, proceed by checking 50% of the spans. Where more than 10% of the bolts have the same problem you must have the entire shelf checked. In subsequent checks, check the parts not previously examined.
- **Every 2 years check the verticality of the structures** longitudinally and transversally. In case of deviations, provide with shims to restore the geometry of the shelf.
- **The surfaces of all components must be checked** every 5 years for indoor normal environments and every year for environments subject to corrosion (close to the sea, chemical fumes etc.). If any items are damaged by corrosion they must be replaced.
- **It is forbidden to modify** the components of the structures by performing welding or preparing equipment of any kind.

**Failure to follow the "installation, use and maintenance instructions" releases the supplier from any liability and damages to persons or property.**