



ASSEMBLY INSTRUCTIONS

Mobile racks & tables

FR500



Please read this manual before using the product and follow the instructions it contains!

GENERAL	Overview	3
	Explanation of terms	4
NOTE	General information	5
	Assembly preparation	5
	Basic structure	6
	Labelling	6
PARTS LIST	Overview of rack uprights	6
	Available shelves	6
	Mobile cupboards & lockers	7
	Individual parts & assembly material	7
ASSEMBLY	Upright with castors, handles & covers	10
	Beams	11
	Shelves	12
	Use of cabinets & lockers	13
INSTRUCTION MANUAL	Load & weight distribution	14
	Inspection & checks	14
	Handling	14
	Instructions for use	15
	Service & Kontakt	15
ACCESSORIES	Magnetic tape	16
	Folding pick bin 8.5 L	16
	Folding pick bin 15 L	16
	Folding pick bin 30 L	16
	Pick bin Combi-set each 5 x 8.5 l, 15 l, 30 l	16
	Pick bin Combi-set each 10 x 8.5 l, 15 l, 30 l	17
	Support bar	17
	Mesh back panel	17
	Plug-in elements	17
	Tool cabinets	17

OVERVIEW



MOBILE RACKS & TABLES

- For storing and transporting e.g. parcels, other general items, small parts, liquids, etc.
- Optionally with wooden, galvanised mesh, multiplex or steel shelves.
- The compartment and unit load capacity is 500 kg.
- The work height can be adjusted in 5 cm increments.



MOBILE TYRE RACKS & TABLES

- Without any shelving for the handy transport of tyres, rims or similar.
- The max. compartment load is 400 kg per compartment and the max. unit load (between 2 uprights) is 500 kg per unit.
- The work height can be adjusted in 5 cm increments.



MOBILE KANBAN RACKS & TABLES

- Ideal for taking parcels or small parts from pick bins and other storage boxes.
- The load capacity per level is 300 kg.
- The load capacity per unit (between 2 uprights) is 500 kg.
- The work height can be adjusted in 5 cm increments.

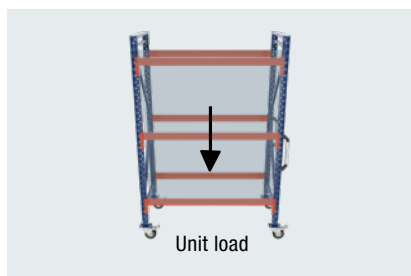


CUSTOMISABLE RACKS & WORKTABLES

- Create a bespoke rack according to your needs.
- Any number of levels, shelf widths 120 cm or 230 cm, rack heights up to 3 m, rack depth 40 cm - 120 cm.
- Depending on the application, we offer shelves with load capacities ranging from 300 kg - 500 kg per compartment and unit.
- The work height can be adjusted in 5 cm increments.

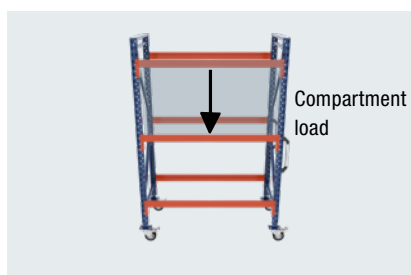
EXPLANATION OF TERMS

UNIT LOAD



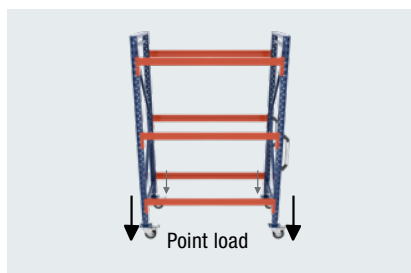
- Total load capacity between 2 horizontal bars.
- Max. unit load capacity: 500 kg.

COMPARTMENT LOAD



- Total load capacity per beam level.
- Max. compartment load: 500 kg per level.

POINT LOAD



- A load on the foundation generated by the upright.
- Max. point load per foot plate: 125 kg.



Load capacity

The information on load capacity refers to a rack with one unit and at least two compartment levels, which are attached at approximately regular height intervals.

GENERAL INFORMATION

PREVENT DANGERS

The TOPREGAL product you have purchased is manufactured in accordance with the current state of the art and complies with the applicable regulations and rules. Despite all this, it can pose a danger to persons and property if:

- The rack is not properly assembled, improperly modified or converted.
- Accessories used are not original ones.
- The safety regulations are not observed.

Therefore, every person involved in the assembly must read and follow the safety regulations and, if necessary, you should have them confirm this with a signature.

LOCAL ACCIDENT PREVENTION REGULATIONS

All local accident prevention regulations apply:

- Generally accepted safety regulations.
- Country-specific provisions.
- Guidelines for storage facilities and equipment of the respective country.

PLEASE NOTE

Before assembly, commissioning or use, the information contained in these instructions must be observed in order to avoid hazards. If you need technical support, please contact us.

In order to avoid personal injury and damage to property, please observe the following:

- The DIN EN 15635 warehouse facility and equipment guidelines.
- The relevant workplace directives and regulations.
- The information from your safety officer.
- The structural conditions and regulations, in particular the condition and load-bearing capacity of the floor.
- And ensure that the facilities are in good order and condition. Damaged or deformed components must be replaced immediately. If in doubt, stop assembly or use, secure the installation area and inform your safety officer.
- That loading may only be carried out after all assembly work has been completed.
- That the persons carrying out the assembly and conversion work are to be secured against falling in accordance with the local accident prevention construction work.
- Protective clothing such as helmets, gloves, safety shoes, etc. must be worn during assembly and conversion.
- That the racks must be effectively protected against impact from forklifts or other vehicles.

ASSEMBLY PREPARATION

All original TOPREGAL components used to stabilise the warehouse equipment must be installed without exception. These include in particular frame components, unit assemblies, diagonal struts, beams, floor anchors, screws / fastening elements and safety pins. During assembly one should ensure that the screws are not over-tightened. The screws must be hand-tightened and tightened later using suitable tools such as a cordless drill or a wrench.



Assembly

Racks may only be set up and converted by specially instructed persons in compliance with the assembly and operating instructions supplied by us. Racks may only be converted when they are not loaded.

BASIC STRUCTURE

A mobile rack row consists of at least 1 unit. At least two compartments (4 beams) must be attached to each unit. The compartment heights must be kept approximately the same for all compartments. The beams are attached by simple plug-in construction with safety pin.

LABELLING

Labelling using a load capacity label is compulsory. These labels are included in the delivery volume.

OVERVIEW OF RACK UPRIGHTS



Type	Packing table	Mobile rack	Mobile rack	Mobile rack
Height	89 - 129 cm	139 - 179 cm	174 - 214 cm	214 - 254 cm
Depth	40, 50, 60, 80, 100, 120 cm	40, 50, 60, 80, 100, 120 cm	40, 50, 60, 80, 100, 120 cm	40, 50, 60, 80, 100, 120 cm
Unit load	500 kg	500 kg	500 kg	500 kg
Number of cross struts	2	3	2	3
Number of diagonal struts	1	1	2	2
Colour	RAL 5005	RAL 5005	RAL 5005	RAL 5005

AVAILABLE SHELVES



	Wooden shelf	Steel shelf	Galvanised mesh deck	Tyres / without shelf	Kanban shelf
Load per level	500 kg	500 kg	500 kg	400 kg	300 kg
Length	110 / 220 cm	110 / 220 cm	110 / 220 cm	110 / 220 cm	110 / 220 cm
Depth	40, 50, 60, 80, 100, 120 cm	60, 80, 120 cm	60, 80, 120 cm	40, 50, 60 cm	40, 60, 80 cm

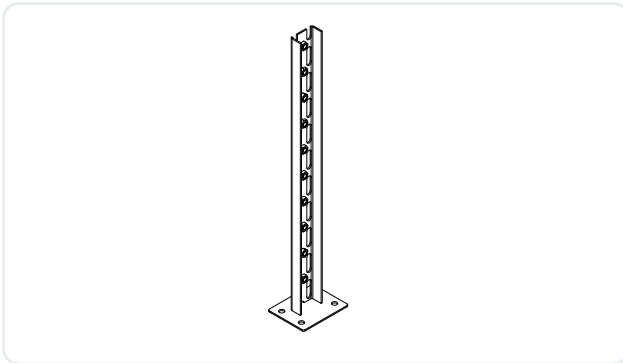
MOBILE CUPBOARDS & LOCKERS

- Mobile storage rack including metal cabinet (60 kg / compartment) or locker made by TOPREGAL.
- The load capacity of the entire rack is 500 kg.
- The interior of the locker contains a storage compartment with a load capacity of 40 kg and a clothes rail.
- Our cabinet's 4 continuous steel shelves can be set at any height.
- All doors can be locked.



INDIVIDUAL PARTS & ASSEMBLY MATERIAL

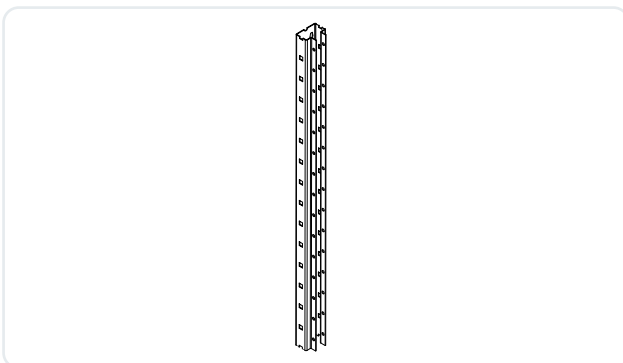
A Height adjustable foot part



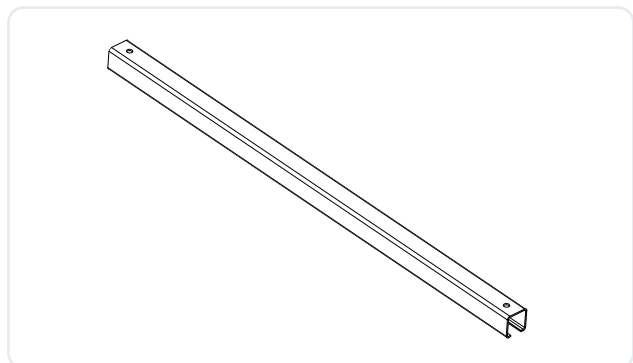
C Cross strut



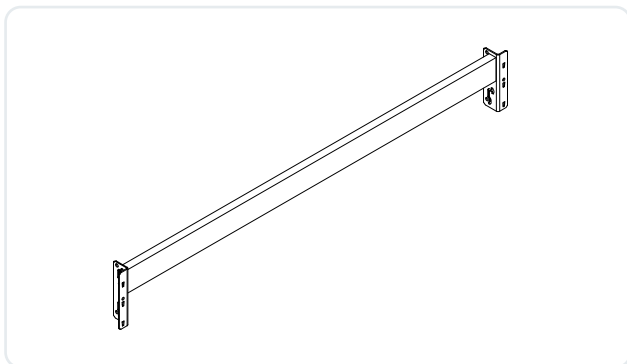
B Upright profile



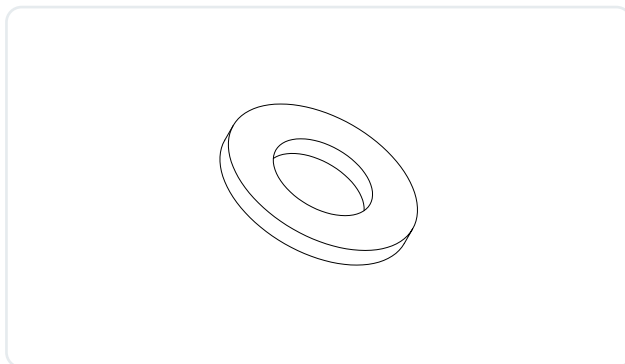
D Diagonal strut



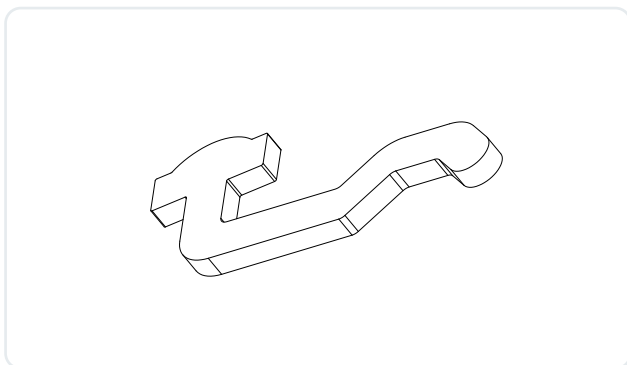
E Beam



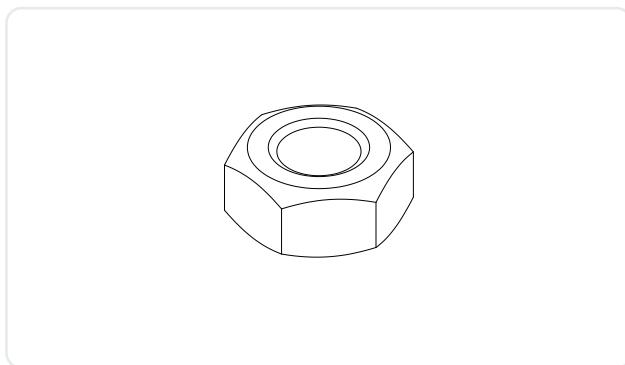
H Washer



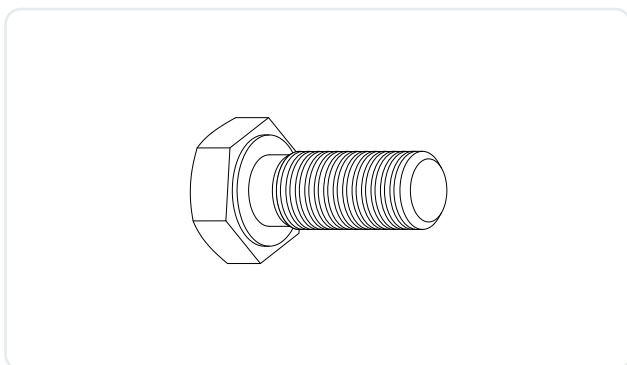
F Safety pin



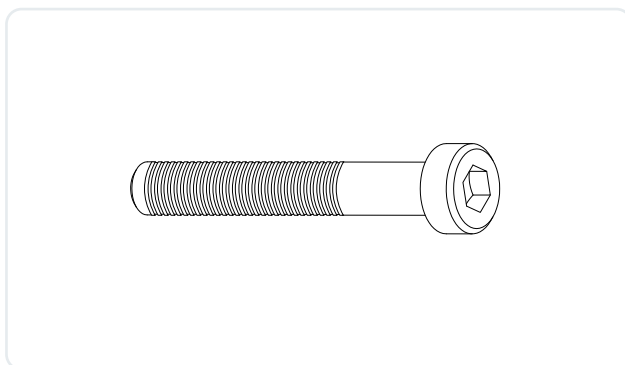
I M8 nut

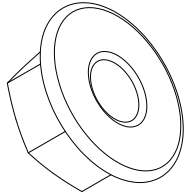
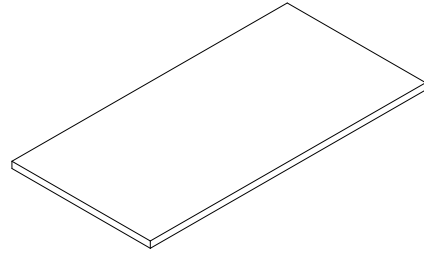
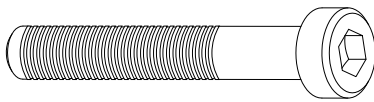
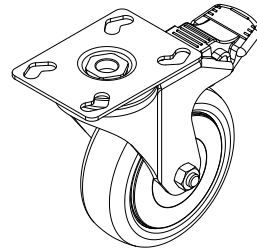
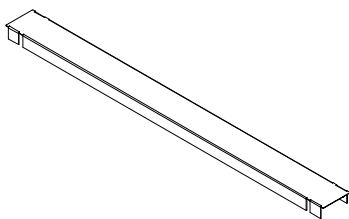


G M8 x 20 mm screw

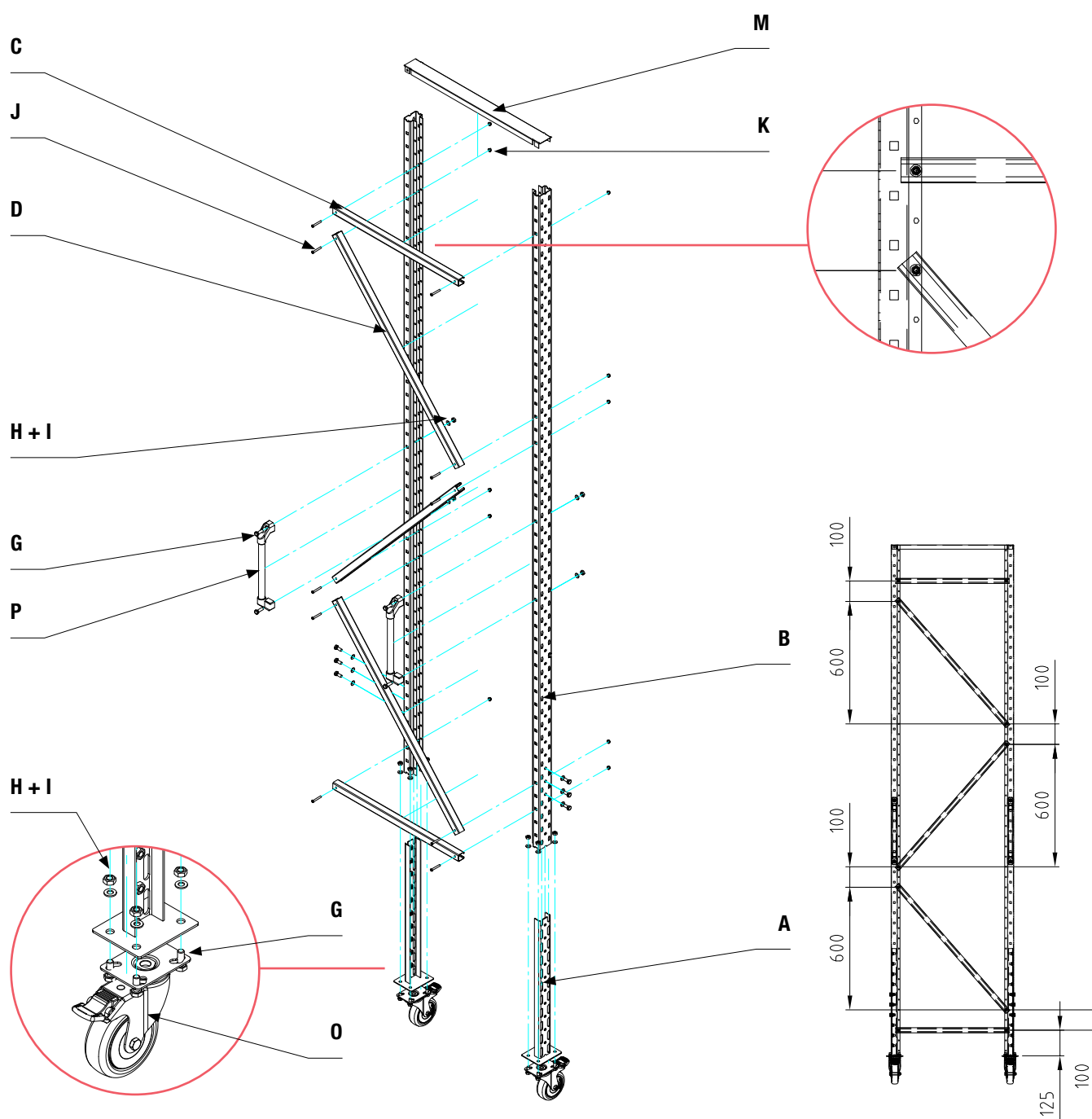


J M5 x 35 mm Allen screw



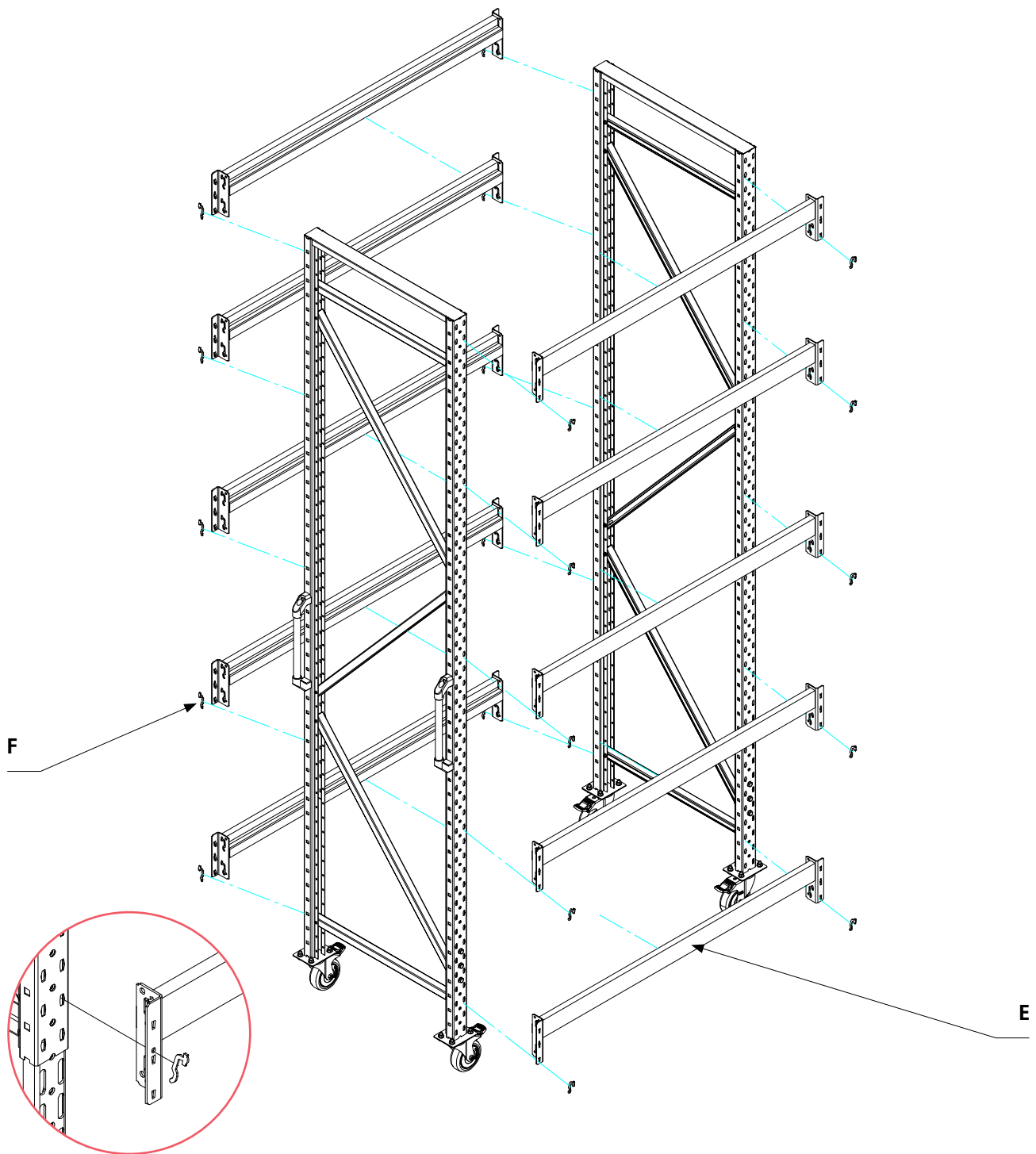
K M5 nut**N** Shelf**L** M8 x 25 mm Allen screw**O** Castor with brake**M** Cover**P** Handle

UPRIGHT WITH CASTORS, HANDLES & COVERS



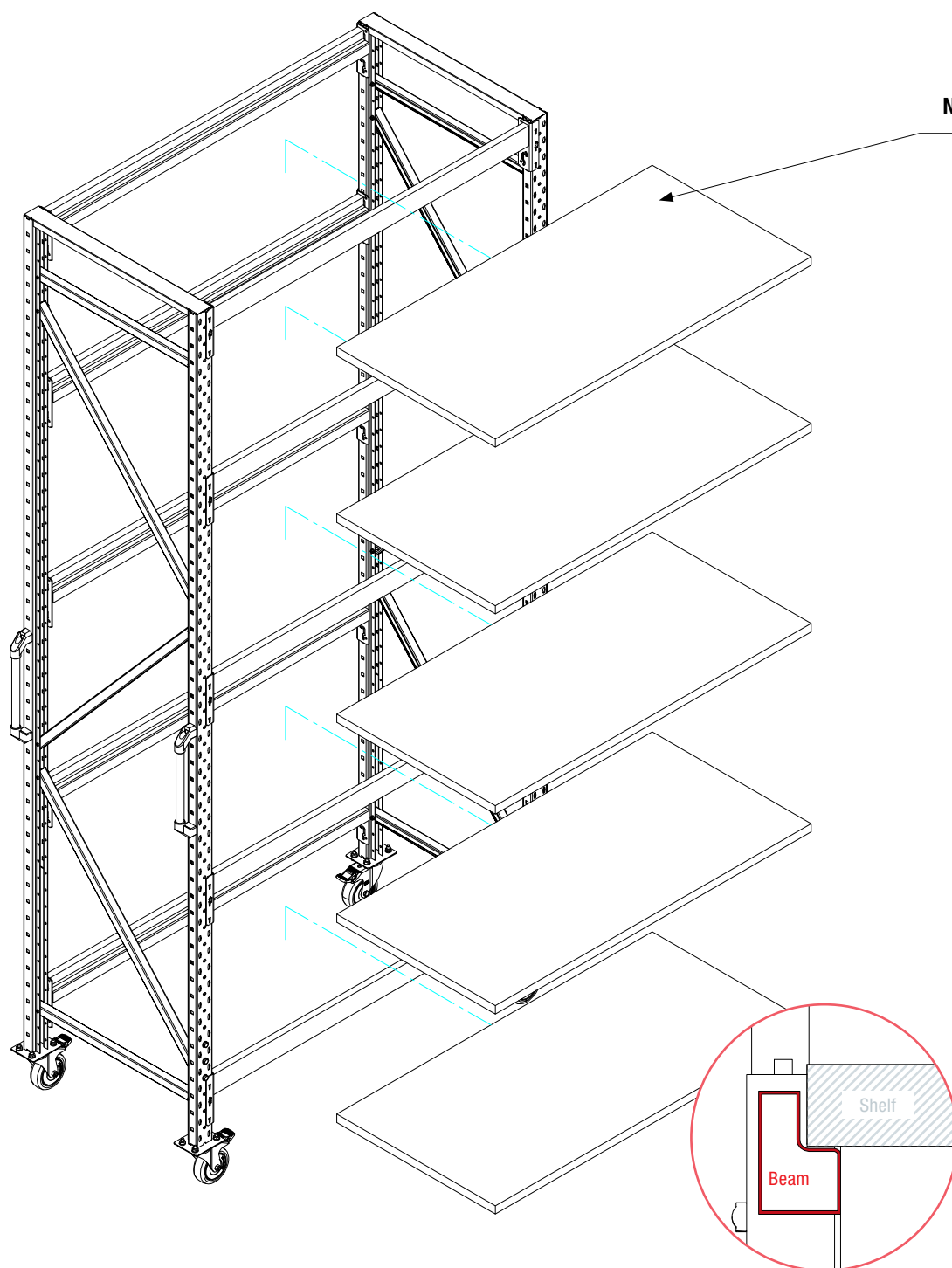
1. Slide upright profile B over foot part A and fix using screws G and washers H.
2. Push struts C and D into upright profile and tighten using bolts J and nuts K.
3. Fasten castors O to the foot part using screws G, washers H and nuts I.
4. Place the panels M on the upright profile and fit handles P using screws G, washers H and nuts I.

BEAMS



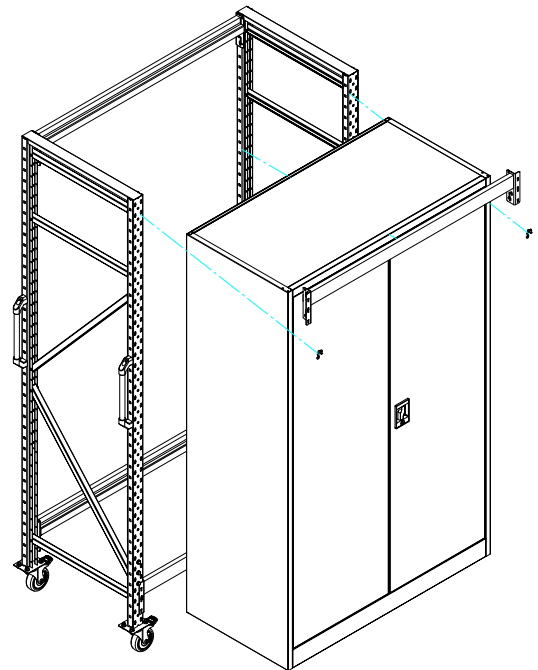
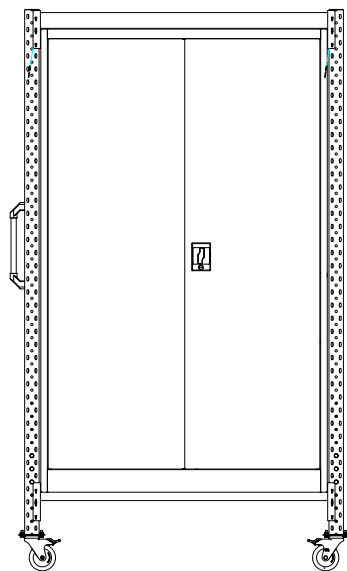
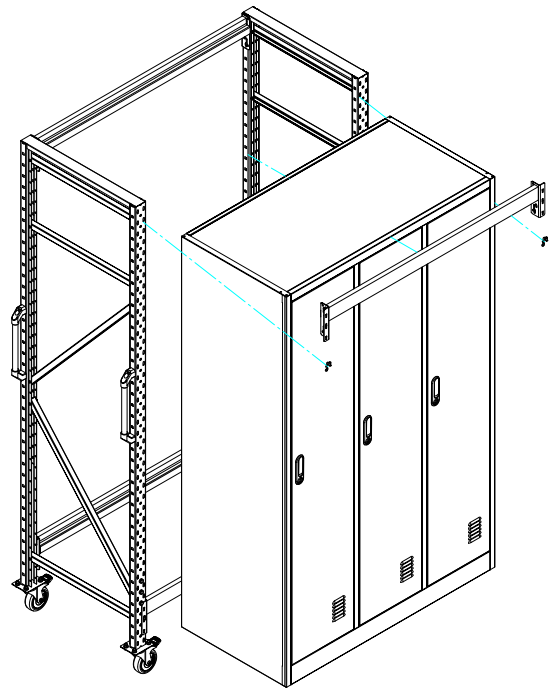
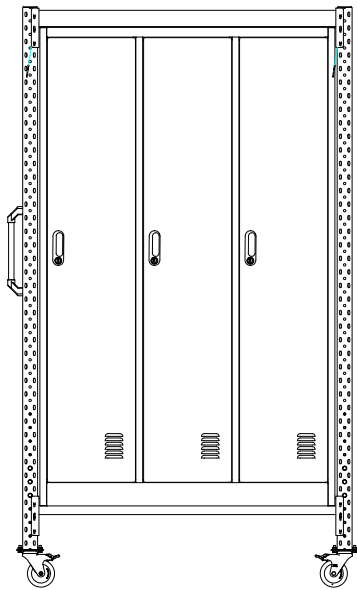
1. Attach the beams E to the upright and secure them with safety pin F.

SHELVES



1. Insert the shelf N into the stepped beam (self-fixing).

USE OF CABINETS & LOCKERS



LOAD & WEIGHT DISTRIBUTION

- The specified, evenly distributed load for compartment and unit must not be exceeded.
- Care must be taken to ensure that the stored goods are evenly distributed on the shelves.
- The load units must not be pushed across the shelves or dropped on them.
- Racks may only be loaded according to our specifications. The loading of the racks must be evenly distributed, as the static design is based on the assumption of an evenly distributed surface load. Point impact loads and sliding loads must therefore be avoided

INSPECTION & CHECKS

- Has the rack been assembled according to the assembly instructions?
- Are parts of the construction damaged?
- Are there damages due to impact or overload on beams and/or uprights?
- Are the rack supports perpendicular?
- Are there any cracks in the weld seams or in the base material?
- What is the condition and effectiveness of the safety devices?
- Is the load evenly distributed, are the racks too heavily loaded?
- What is the position of the load unit on the rack?
- Is the stability of the load units given?

HANDLING

- The racks must always be assembled in accordance with the information in the assembly instructions. Unauthorised changes to the racks are not permitted in any form.
- Appropriate load capacity labels must be attached to all rows of racks. These operating instructions must also be made available to the warehouse workers.
- Local alterations to the racks or the repositioning of beams may only be carried out when they are not loaded.
- People must not stand on racks.
- Damaged and deformed rack parts must be replaced immediately, as the load-bearing capacity is only guaranteed in an undamaged condition. Therefore, damaged components must not be used any further.
- The sum of all compartment loads in a unit must not exceed the maximum unit load.
- A collision of industrial trucks (e.g. forklift trucks) with the rack uprights can lead to a massive impairment of the rack's load-bearing capacity and must therefore be avoided under all circumstances.
- In general, all accident prevention regulations and the statutory provisions for work safety also apply.

INSTRUCTIONS FOR USE

GENERAL

People must not stand on rack uprights and shelves.

OPERATING THE RACKS

Damaged and deformed components of a rack system must be replaced immediately, as the load-bearing capacity can only be guaranteed in perfect condition. Our specified compartment and unit loads are only valid for evenly distributed loads.

PERMISSIBLE LOAD CAPACITIES

Compartment load = load per shelf level.

Unit load capacity = total unit load between 2 rack uprights = compartment load x number of shelf levels.

The sum of all compartment loads must not exceed the maximum unit load.

Compartment loads are evenly distributed loads.



Loading and unloading

All longspan racks may only be loaded and unloaded by hand!

Loading by stackers, forklift trucks or similar equipment is strictly prohibited!



Load capacity

The information on load capacity refers to a rack with at least 1 unit and at least 2 compartment levels, which are attached at approximately regular height intervals.

SERVICE & KONTAKT

Contact our product experts and find help and solutions for your product. Here you will find all contact information listed by country and language: www.topregal.co.uk/en/service

Responsible for the content:

TOPREGAL GmbH

Industriestrasse 3

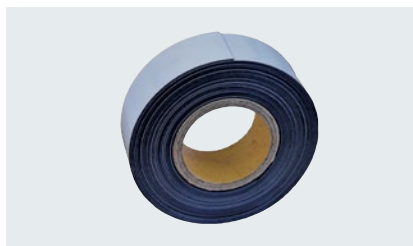
70794 Filderstadt

GERMANY

www.topregal.com

MAGNETIC TAPE

Art.-No. 9590, 9591



- Magnetic tape for labelling racks or e.g. car bodies, machines, etc.
- Dimensions: L 100 cm / B 5 cm or 10 cm / T 0.15 cm
- Reusable
- Easy cutting to size with standard scissors

FOLDING PICK BIN 8.5 L

Art.-No. 87077



- Width: 21.6 cm / height: 17.5 cm / length: 33.6 cm
- Weights of up to 20 kg can be stored in each pick bin

FOLDING PICK BIN 15 L

Art.-No. 87078



- Width: 27 cm / height: 20 cm / length: 42 cm
- Weights of up to 20 kg can be stored in each pick bin

FOLDING PICK BIN 30 L

Art.-No. 87079



- Width: 30.3 cm / height: 27.5 cm / length: 50 cm
- Weights of up to 28 kg can be stored in each pick bin

PICK BIN COMBI-SET EACH 5 X 8.5 L, 15 L, 30 L

ART.-NO. 94856



- 8.5 l = width: 21.6 cm / height: 17.5 cm / length: 33.6 cm
- 15 l = width: 27 cm / height: 20 cm / length: 42 cm
- 30 l = width: 30.3 cm / height: 27.5 cm / length: 50 cm
- Weights of up to 20 kg (8.5 l and 15 l) or 28 kg (30 l) per pick bin can be stored

PICK BIN COMBI-SET EACH 10 X 8.5 L, 15 L, 30 L

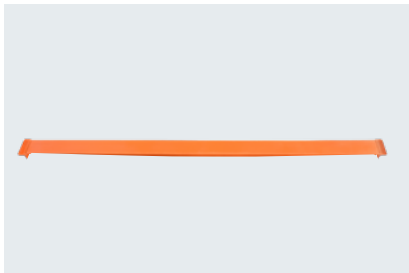
Art.-No. 94857



- 8.5 l = width: 21.6 cm / height: 17.5 cm / length: 33.6 cm
- 15 l = width: 27 cm / height: 20 cm / length: 42 cm
- 30 l = width: 30.3 cm / height: 27.5 cm / length: 50 cm
- Weights of up to 20 kg (8.5 l and 15 l) or 28 kg (30 l) per pick bin can be stored

SUPPORT BAR

Art.-No. 9824



- Support bar for storage racks with 120 cm depth
 - 1 support bar for 110 cm shelves
 - 2 support bars for 220 cm shelves
- Length: 115 cm
- Colour TOPREGAL orange (corresponds roughly to RAL 2004)
- Increases the load capacity of the shelf with a depth of 120 cm
- Support bar is already included in the delivery volume of a complete offer

MESH BACK PANEL

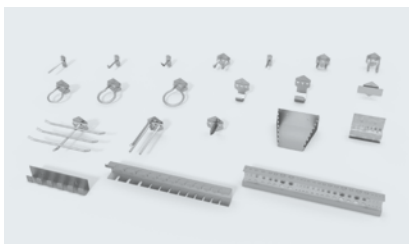
Art.-No. 18344, 18345



- Available at a length of 110 cm and 220 cm
- Colour TOPREGAL blue (corresponds roughly to RAL 5010)
- Height: 50 cm
- Suitable for attaching various tool hooks
- Prevents stored goods from accidentally falling or being pushed through

PLUG-IN ELEMENTS

Art.-No. 29214, 29215, 29216



- Tool holder / machine holder sets made from galvanised steel for our accessories product 'side panel / perforated panel for storage rack / MFR'
- Ideal for the storage of any tools that can be placed on a hook such as pliers, open-end spanners, cordless drills, cables, pipes, saws, etc.
- The individual elements can be attached to our side panels / perforated panels using a simple plug-in system without assembly material

TOOL CABINETS

Art.-No. 18569, 18570, 18571, 18572



- Available in depths of 60 cm and 80 cm
- Colour TOPREGAL blue (corresponds roughly to RAL 5010)
- Height: 57 cm / width: 54 cm
- Cabinets are only inserted, no assembly necessary, self-fixing
- Versions with lockable door or drawers available

TOPREGAL