

# Storage systems – order Catalogue

valid from February 2012



# Product Overview

## Overview of All META Shelving Products



All about  
META

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ready packed

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steadfast ...

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convertible...

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tilted,  
awkward or  
hazardous

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keeping  
order in rank  
and file...

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for large,  
bulky  
& heavy  
objects...

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other large,  
bulky &  
heavy  
objects...

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for large  
& heavy  
objects...

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for horizontal  
bulky  
objects...

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NEW  
getting your  
logistics moving  
faster...

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up, up and  
away...

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# META – the Racking Systems Manufacturer

... from the Sauerland in Germany · Top Quality from NRW



## META Racking Systems

We are a medium-sized company based in Arnsberg in the Sauerland region – where we are deeply rooted by tradition and by our workforce, the things which have formed the cornerstone of our success.

With an average length of service of 10 years, our employees stay with the company for an unusually long period of time, thus ensuring a high level of specialization in all areas! A good operating environment and our successful employee training and further education programme ensure an enduring loyalty to the company.

This benefits our customers as well as our commercial partners.

## Our product range includes:

- Shelving units consisting of bolted or boltless shelving systems
- Wide-span racks
- Pallet racks
- Multi-tier racking systems
- From dynamic storage racks for piece goods and pallets, through to automatically operated racking systems
- Drive-in racks
- Cantilever racks

... produced & stored on an area of more than 16.000 square metres in Arnsberg/Sauerland.



*META has its head office in Arnsberg in the Sauerland region. This is immediately beside the Ruhr region, and is located in the centre of Germany.*



# META – All-Round Service

## Service & Support



## Service & Support

- planning, supply and assembly – all from one source
- one contact partner to speak to, whatever the problem is
- extensive nation-wide support from our field representatives
- represented all over Europe through our affiliates, distribution partners and subsidiaries
- professional advice from our service staff
- comprehensive product range catalogue, special information brochures & individual product flyers
- customer-specific product development and improvements
- professional partnership contracts with special conditions & services
- faster and more reliable delivery service
- support with in-house exhibitions
- racking inspection and training

Top Quality from Arnsberg



## Made in Germany

We have been involved in metal working processes for more than 100 years. Our core products: the QUICK and FIX shelving systems, the MINI-RACK and SPEED-RACK wide-span racks, and the MULTIPAL pallet rack, are produced here and successfully marketed far across the borders of Europe. Our Arnsberg team knows their products and meets the high quality standards.

META trains its own junior staff and thus lays the foundations for future success. As a company recognised for taking on trainees, CCI provides vocational training places for a wide variety of different professions.

With our **"Made in Germany"** quality seal, we don't just want to recruit people. We also feel it is a duty and a requirement to provide you with quality products, both now and in the future.

## The META 5-year quality guarantee

In addition to the **2-year warranty** required by German law, we also provide a **5-year quality guarantee** on our shelving systems.

### We have confidence in the quality of our products because:...

- ... we have our products and production processes inspected regularly by our own personnel and by independent inspecting authorities.
- ... structures and production processes have been approved by the GS symbol and the RAL-RG 614 quality label.
- ... we are continuously renewing our production systems and use the very latest production technologies.



# META – Proven Quality

Top Quality from our own Production



## Quality made by META

Standards don't just mean constraints, but also obligations and safety measures applied within a framework of know-how. The META testing team is made up of qualified engineers and technicians. Quality specifications are developed, quality measures are defined and the interaction between individual components is tested in the in-house testing laboratory. The knowledge acquired in this way then forms the basis for subsequent, fully-matured product innovations.

## DIN EN ISO 9001: 2008 certified

META offers you storage facilities of the highest quality, which have been produced at machining centres using modern PPS and CAD/CAM technologies. As a leader in technology, META is certified to the **DIN EN ISO 9001: 2008** standard applying to warehousing and operating facilities.

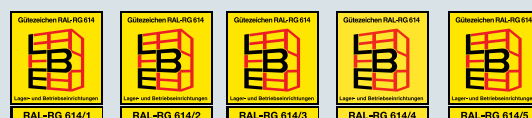
## RAL Certified

**META products are also certified to the strict RAL guidelines.** This means that they are constantly being checked and monitored by an independent inspecting body. And we welcome these independent inspections.

The function of the RAL (German Institute for Quality Assurance and Certification) is to ensure the high quality of products and services. As the umbrella organisation for the present 139 quality associations, only the RAL is allowed to award the quality label in Germany.

## GS Testing & Inspection

Our products, of course, also carry the **GS symbol**, and are regularly checked and inspected by the neutral MPA (materials testing office) in Dortmund.



Top Quality from our own Production

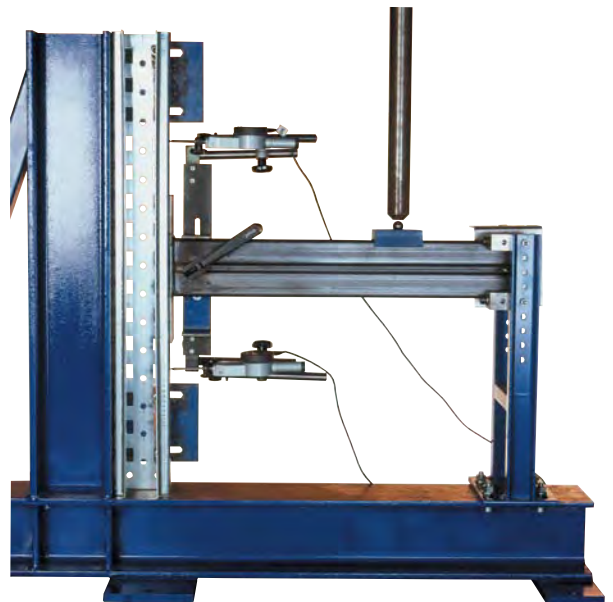


## Health & Safety is a Major Priority

META products meet the **BGR 234** operating safety requirements of the trade and professional associations.

## Qualified as a Specialised Welding Firm

META is a specialised welding firm with Class D manufacturer qualification as defined in **DIN 18800** Part 7. This qualification specifies that META is to use fully mechanised welding procedures (e.g. automatic beam welding machines) in its production process. All welders employed at META have a valid welder's qualification with an EN 287 Standard certificate and a machine operator's qualification with an EN 1418 Standard certificate.



*Beam joint testing at the META test laboratory:  
Start of testing*

# META – All-Round Service

## Service & Support



### On-Site Advisory Service

The comprehensive, nation-wide presence of our trained field service agents can provide rapid and professional advice.

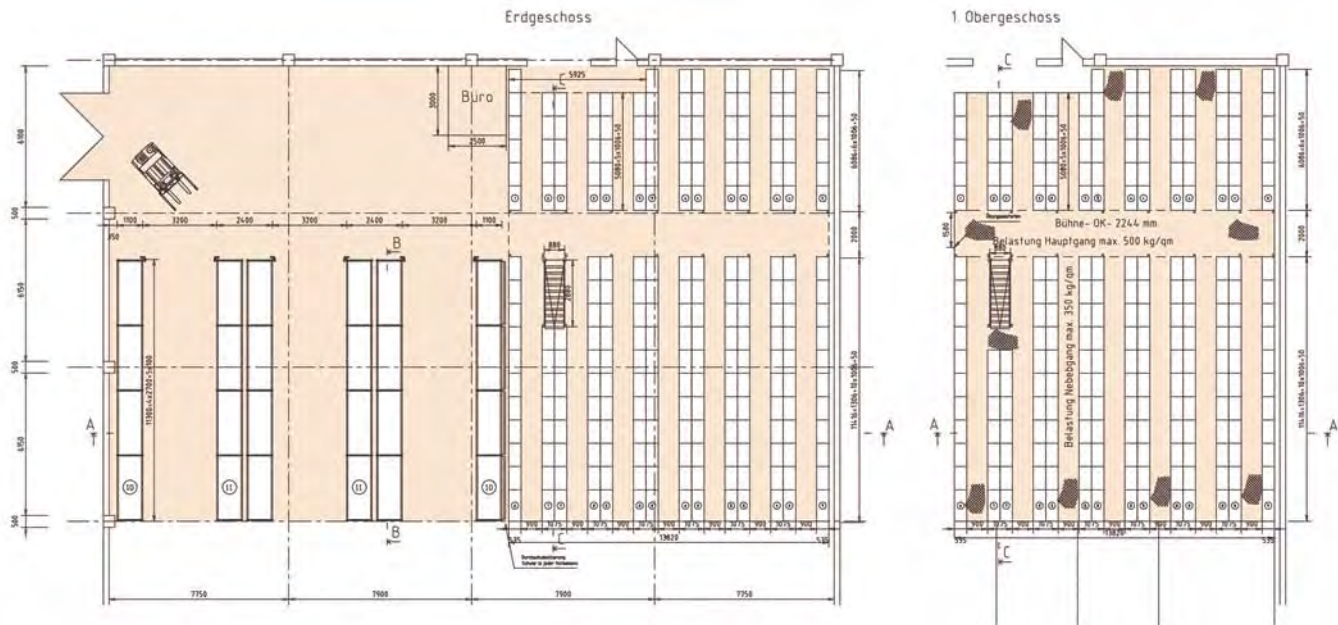
In the other European countries, we are represented by branches, distribution partners or subsidiaries.

### Assembly Service

If you don't want to set up your racking systems by yourself, we will be happy to do it for you. Our trained installation teams can assemble your storage facility quickly and professionally.



*Your META field service team – professional advice on site*



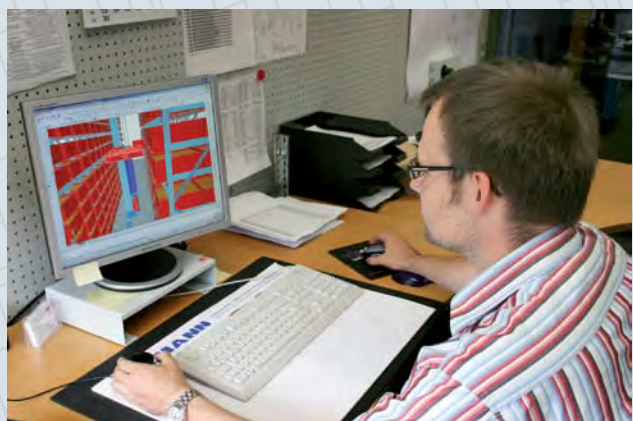
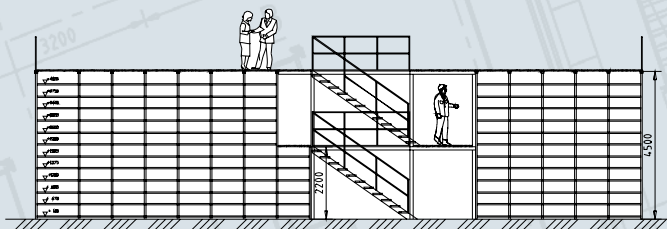
## Planning Service

Consultancy is a major priority at META. We can advise you in selecting the right racking system, or the optimal combination of different systems. To do this, your product structures and storage & picking procedures are inspected on site.

Our employees are well familiar with many trade sectors and can work out individual solutions, with the result that the storage facility is always customised to your requirements.

Our project engineers will be pleased to draw up a planning proposal for you, with an individual project proposal. With our current drawing programs, we can produce customer-specific CAD drawings.

**Planning, production, supply and assembly – all from one source.**



# META – All-Round Service

## Training



### Training

META provides training for its trading partners at its training centre in Arnsberg, or directly at your own site!

In small groups, we transfer our expertise on RAL safety specifications, BG regulations (BGR 234), META know-how in racking technology, principles of logistics, planning and identification of requirements.

On successfully completing the course, you will receive a certificate.



You will find more information on our website at [www.meta-online.com](http://www.meta-online.com)  
However, we will also be pleased to send you our latest training flyer.  
Please contact us!





## META Racking Inspection – Inspection Requirement for Storage Facilities.

Warehouse operators are responsible for ensuring that their work equipment (including racks) is in safe condition, and for ensuring the safety of employees, i.e. that the **workplace safety and operating safety regulations are applied** (in Germany the "BetrSichV").

§10 of the BetrSichV "Inspection of work equipment" specifies that racks are subject to the inspection requirement. For the safe operation of racking systems, the legislation requires, among other things, that regular inspections be carried out by a competent person at maximum intervals of **12 months**.

With our **META racking inspection** service, you will not only meet the legal requirements – attested by an official test badge and inspection report – but will also be able to identify possible accident hazards in good time, thus effectively preventing personal injuries and damage to property!

The inspection is carried out by one of our **"association-approved racking inspectors"**.

### Services provided:

- Visual inspection to ensure that the BGR 234 safety guidelines are met
- Visual inspection of racking systems for any identifiable deformation, damage or missing components
- Comparison of load data plates with the actual layout
- Making out an inspection report and awarding the inspection badge
- Organising replacements for damaged components

You can find more information on our website at **[www.regalinspektion.de](http://www.regalinspektion.de)**. We would be pleased to advise you about META services either in person or by telephone.

Simply phone us on **02932/957-168**.

**And incidentally**, our racking inspection service process is, of course, also certified to DIN EN ISO 9001:2008 Standard.



## International Locations & Agencies



## Export Activities

**Our aim is to be as close as possible to the customer...**

This is why we have branches, sales partners and subsidiaries in many other European countries.

The META product catalogues and flyers are printed in many languages. We or our partners are represented at numerous trade fairs in other countries. Export meetings are held at regular intervals in the Arnsberg centre, where partners are informed about the latest developments in racking systems.



*The export meetings at the META centre in Arnsberg enjoy great popularity. The latest news is exchanged and future activities planned.*

Top Quality from our own Production

## Surfaces

Please refer to the tables concerned for the surfaces.

For technical reasons related to the printing process, the colours shown may differ from the actual colours.



**Pre-galvanised**



**RAL 7035** · light grey



**RAL 5010** · gentian blue



**RAL 2001** · red orange

Subject to differences in colour; complaints cannot be accepted. We cannot accept liability for printing errors and deficiencies.

**Our racks are designed for indoor installation!**

## Prices

Our prices are ex-factory plus total VAT. For more details, please refer to our general terms & conditions.

## Delivery

Our racks are generally supplied in the disassembled state. We can supply pre-assembled frames (pallet racks) on request.

## Delivery times

Delivery times are represented by different symbols and identified by various colours.

The exact date of delivery will be indicated on your order confirmation.



**on stock**



**two weeks ex works**

Items are not returnable



**on request**

Items are not returnable

The delivery times apply to orders for the usual trade quantities.

**This catalogue is intended for industry, commerce, trade and business.**

## META General Terms & Conditions

For the general terms and conditions and other current information, go to

**[www.meta-online.com](http://www.meta-online.com)**



3 systems · 1 shelf 150 kg

Shelving



## 1 META FIX® 150 bolted racks · Length 1.000 mm · Shelf load 150 kg

For more information and additional shelves, go to Pages 20 – 21



Height mm	Length mm	Depth mm	No. of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on racks Item No. €	Basic rack unit Item No. €	Add-on racks Item No. €
2000	1000	400	5	1320	■ 97181	■ 97182	■ 97199	■ 97200
2000	1000	500	5	1320	■ 97183	■ 97184	■ 97201	■ 97202
2000	1000	600	5	1320	■ 97185	■ 97186	■ 97203	■ 97204
2500	1000	400	6	1180	■ 97187	■ 97188	■ 97205	■ 97206
2500	1000	500	6	1180	■ 97189	■ 97190	■ 97207	■ 97208
2500	1000	600	6	1180	■ 97191	■ 97192	■ 97209	■ 97210

## 2 Boltless shelving META QUICK® 150 S3 · Length 1.000 mm · Shelf load 150 kg

S3 = completely disassembled frame · For more information, versions & additional shelves, go to Pages 26 – 27



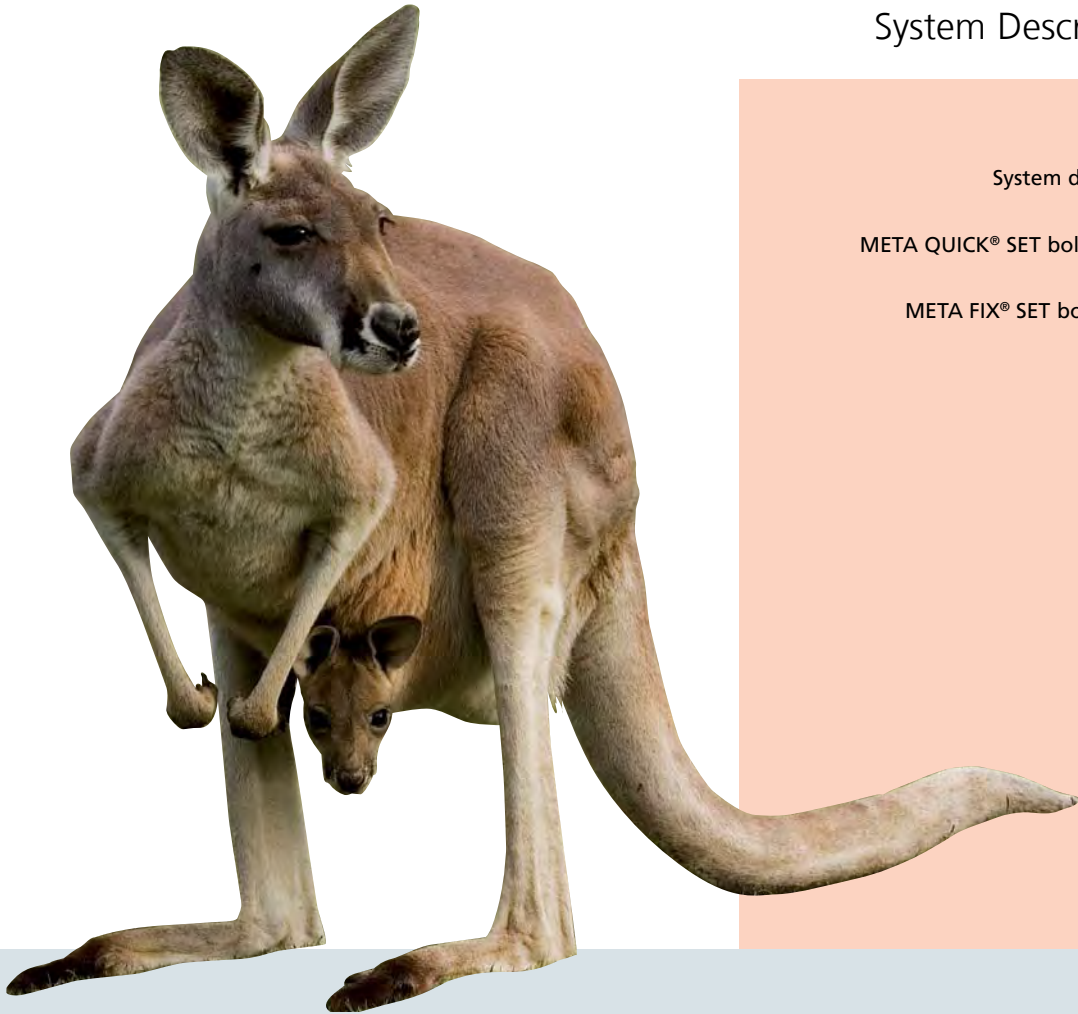
Height mm	Length mm	Depth mm	No. of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on racks Item No. €	Basic rack unit Item No. €	Add-on racks Item No. €
2000	1000	400	5	1100	■ 95019	■ 95020	■ 97041	■ 97042
2000	1000	500	5	1100	■ 95021	■ 95022	■ 97043	■ 97044
2000	1000	600	5	1100	■ 95023	■ 95024	■ 97045	■ 97046
2500	1000	400	6	1380	■ 95028	■ 95029	■ 97049	■ 97050
2500	1000	500	6	1380	■ 95030	■ 95031	■ 97051	■ 97052
2500	1000	600	6	1380	■ 95032	■ 95033	■ 97053	■ 97054

## 3 META QUICK® 150 boltless racks · Length 1.000 mm · Shelf load 150 kg

with clinched (pre-assembled) frame · For more information, versions and additional shelves, go to Pages 28 – 29



Height mm	Length mm	Depth mm	No. of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on racks Item No. €	Basic rack unit Item No. €	Add-on racks Item No. €
2000	1000	400	5	1560	■ 176532	■ 176533	■ 95049	■ 95050
2000	1000	500	5	1560	■ 176534	■ 176535	■ 95051	■ 95052
2000	1000	600	5	1560	■ 176536	■ 176537	■ 95053	■ 95054
2500	1000	400	6	2400	■ 176540	■ 176541	■ 95057	■ 95058
2500	1000	500	6	2400	■ 176542	■ 176543	■ 95059	■ 95060
2500	1000	600	6	2400	■ 176544	■ 176545	■ 95061	■ 95062



## System Description

	Page
System description	15
META QUICK® SET boltless racks	16 – 17
META FIX® SET bolted racks	18

## fixed & pre-packed supplied ...

- **META SET = complete packaged units** available as bolted or boltless racks, and each as a basic or add-on unit
- **easy to handle and simple to transport**
- **universal application** e.g. in the warehouse, workshop, storeroom, sales room, cellar, office, etc.
- **tip for dealers:** use the knock-on effect: display the META SET at your sales outlet using META product carriers



The META product carrier is excellent for displaying META SET racks and therefore provides an important aid to assist our dealers in selling the racks.

# META QUICK® SET Boltless Shelving



Fully Packed Units



## ■ fixed and pre-packed units

(basic and add-on rack units), therefore easy to handle and simple to transport

## ■ easy-assembly boltless system

modular and convertible boltless rack system quickly assembled without tools

## ■ universal application

e.g. in the warehouse, workshop, storeroom, sales room, cellar, office, etc.

## ■ shelves ready for attaching extensive accessories

such as shelf dividers, mesh dividers etc. using the 50 mm pitch punch holes

## ■ shelf height adjustable in 25 mm steps

## ■ surface

RAL 7035 light grey available on request

## ■ tip for dealers:

use the knock-on effect: display the META SET at your sales outlet using META product carriers

## ■ basic rack unit:

2 frames, 4 shelves, mounting accessories

**add-on rack:** 1 frame, 4 shelves, mounting accessories

## ■ Item No. 95578

### Complete rack

### META QUICK® SET 150

galvanised

outside dimensions (H x L x D)

2.000 x 3.068 x 536 mm,

4 shelves 150 kg each, per unit

1 basic and 2 add-on rack units



## Planning dimensions & load data

**Basic rack unit:** Nom. length + 56 mm · Nom. depth + 36 mm

**Add-on shelf:** Nom. length + 6 mm · Nom. depth + 36 mm

**Shelf load:** 115, 150, 230 kg

**Bay load:** up to 1.260 kg

## Note on safety:

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (please refer to Page 47 for wall/floor anchoring).

Shelf/bay loads apply with evenly distributed loads and at least 3 bays.



# META QUICK® SET Boltless Shelving

Fully Packed Units

## Boltless rack META QUICK® SET 100 · Shelf load 115 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised			
					Basic rack unit		Add-on rack	
					Item No.	€	Item No.	€
2000	1000	400	4	900	■ 11537		■ 11538	
					2 additional shelves, galvanised			
40	1000	400	2		■ 11539			

## Boltless rack META QUICK® SET 150 · Shelf load 150 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised			
					Basic rack unit		Add-on rack	
					Item No.	€	Item No.	€
2000	1000	400	4	900	■ 94952		■ 94953	
2000	1000	500	4	900	■ 94954		■ 94955	
2000	1000	600	4	900	■ 94956		■ 94957	
					1 additional shelf, galvanised			
40	1000	400	1		■ 95575			
40	1000	500	1		■ 95576			
40	1000	600	1		■ 95577			

## Boltless rack META QUICK® SET 230 · Shelf load 230 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised			
					Basic rack unit		Add-on rack	
					Item No.	€	Item No.	€
2000	1000	500	4	1260	■ 11321		■ 11322	
					2 additional shelves, galvanised			
40	1000	500	2		■ 11324			



■ on stock

■ two weeks ex works

■ on request

# META FIX® SET Bolted Shelving



Fully Packed Units



- **fixed and pre-packed units** (basic or add-on rack units), therefore easy to handle and simple to transport
- **well organised clear arrangement at a low price** the shelf unit for fixed installation
- **universal application** e.g. in the warehouse, workshop, storeroom, sales room, cellar, office, etc.
- **shelves ready for attaching accessories** such as shelf dividers, mesh dividers etc. using the 50 mm pitch punch holes
- **shelf height** adjustable in 25 mm steps
- **surface** RAL 7035 light grey available on request
- **tip for dealers:** use the knock-on effect: display the META SET at your sales outlet using META product carriers
- **basic rack unit:** 4 ML 35 sections, 4 shelves, mounting accessories
- **add-on rack:** 2 ML 35 sections, 4 shelves, mounting accessories

■ **Item No. 97098**

**Complete rack unit**

**META FIX® SET 150**

galvanised

outside dimensions (H x L x D)

2,000 x 3,008 x 504 mm,

4 shelves 150 kg each, per unit

1 basic and 2 add-on rack units



## Bolted rack unit META FIX® SET 150 · Shelf load 150 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised			
					Basic unit Item No.	€	Add-on rack Item No.	€
2000	1000	500	4	900	■ 96917		■ 96918	
Additional shelves, galvanised								
40	1000	500	1		■ 97218			

### Planning dimensions & load data

**Basic rack unit:** Nom. length + 4 mm · Nom. depth + 4 mm

**Add-on rack unit:** Nom. length + 2 mm · Nom. depth + 4 mm

**Shelf load:** 150 kg

**Bay load:** 900 kg

### Note on safety:

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (please refer to Page 75 for wall/floor anchoring).

Shelf/bay loads apply with evenly distributed loads and at least 3 bays.





Page

System description  
19

META FIX® bolted racks  
20 – 21

Shelving



## steadfast ...

- **classic unit** for fixed installation of individual shelf bays or rows
- **easy assembly:** bolted together completely from the outside using an Allen key
- **can be used from either side**
- **shelves with 50 mm pitch punch holes** for attaching shelf dividers or mesh dividers (exception: 80 kg shelves)
- **simplified assembly** using brackets with integrated threads and lens flange head screws (hexagon socket)

### ■ Dimensional variants:

Standard rack height: 2.000, 2.500, 3.000 mm  
Standard rack depth: 300, 400, 500, 600, 800 mm  
Standard length: 1.000 mm

### ■ Individual shelf loads: up to 400 kg<sup>1)</sup>

**Bay loads:** up to 1.460 kg<sup>1) 2)</sup>

### ■ Surface: Pre-galvanised or additional plastic coating, RAL 7035 light grey

#### Reinforced level



... with brackets  
& lens flange  
head screws

#### Normal level



... with lens  
flange head  
screws & collar  
nuts

<sup>1)</sup> with evenly distributed loads <sup>2)</sup> bay load data apply to rows of racks with 3 or more bays

## Suggested Orders

Shelving



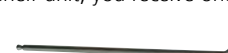
META 100 kg shelf



META 230 or 330 kg shelf

- **cost-effective quality bolted racks, classic units**  
for fixed installation in individual bays or rows
- **shelf height adjustable in 25 mm steps**  
for variable adjustment to the length of stored goods
- **easy assembly:** bolted together completely from the outside using an Allen key
- **can be used from either side**

- **shelves with 50 mm pitch punch holes** for attaching shelf dividers or mesh dividers (exception: 80 kg shelves)
- **simplified assembly** using brackets with integrated thread and lens flange head screws (hexagon socket)
- **Important!!!** With every META FIX® basic shelf unit, you receive one Allen key (6-point) free.



### Planning dimensions & load data

**Basic rack unit:** Nom. length + 4 mm · Nom. depth + 4 mm  
**Add-on rack unit:** Nom. length + 2 mm · Nom. depth + 4 mm  
**Bay load:** up to 1.460 kg  
**Shelf load:** from 80 to 230 kg max.

### Note on safety:

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 75).

The shelf/bay loads apply with evenly distributed loads and at least 3 bays.



## Bolted shelving META FIX® 80 · Length 1.000 mm · Shelf load 80 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey			
					Basic rack unit Item No.	€	Add-on rack unit Item No.	€	Basic rack unit Item No.	Add-on rack unit Item No.
2000	1000	300	5	600	■ 89494		■ 89495		■ 89526	■ 89527
2000	1000	400	5	600	■ 89498		■ 89499		■ 90345	■ 90346
2000	1000	500	5	600	■ 89502		■ 89503		■ 90347	■ 90348
2500	1000	300	6	800	■ 89496		■ 89497		■ 89528	■ 89529
2500	1000	400	6	800	■ 89500		■ 89501		■ 90349	■ 90350
2500	1000	500	6	800	■ 89504		■ 89505		■ 90351	■ 90352
					Additional shelf, galvanised		Additional shelf RAL 7035			
25	1000	300	1		■ 89733				■ 90410	
25	1000	400	1		■ 89734				■ 90411	
25	1000	500	1		■ 89735				■ 90412	

# META FIX® Bolted Shelving

Suggested Orders

## Bolted shelving META FIX® 100 · Length 1.000 mm · Shelf load 100 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	300	5	900	■ 2300	■ 2303	■ 67985	■ 67986
2000	1000	400	5	900	■ 2318	■ 2321	■ 67991	■ 67992
2000	1000	500	5	900	■ 2336	■ 2339	■ 67997	■ 67998
2000	1000	600	5	900	■ 2354	■ 2357	■ 68003	■ 68004
2500	1000	300	6	840	■ 2306	■ 2309	■ 67987	■ 67988
2500	1000	400	6	840	■ 2324	■ 2327	■ 67993	■ 67994
2500	1000	500	6	840	■ 2342	■ 2345	■ 67999	■ 68000
2500	1000	600	6	840	■ 2360	■ 2364	■ 68005	■ 68006
3000	1000	300	7	800	■ 2312	■ 2315	■ 67989	■ 67990
3000	1000	400	7	800	■ 2330	■ 2333	■ 67995	■ 67996
3000	1000	500	7	800	■ 2348	■ 2351	■ 68001	■ 68002
3000	1000	600	7	800	■ 2366	■ 2369	■ 68007	■ 68008
Additional shelf, galvanised					Additional shelf RAL 7035			
40	1000	300	1		■ 3086		■ 68057	
40	1000	400	1		■ 3088		■ 68058	
40	1000	500	1		■ 3090		■ 68059	
40	1000	600	1		■ 3092		■ 68060	

## Bolted shelving META FIX® 150 · Length 1.000 mm · Shelf load 150 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	400	5	1320	■ 97181	■ 97182	■ 97199	■ 97200
2000	1000	500	5	1320	■ 97183	■ 97184	■ 97201	■ 97202
2000	1000	600	5	1320	■ 97185	■ 97186	■ 97203	■ 97204
2500	1000	400	6	1180	■ 97187	■ 97188	■ 97205	■ 97206
2500	1000	500	6	1180	■ 97189	■ 97190	■ 97207	■ 97208
2500	1000	600	6	1180	■ 97191	■ 97192	■ 97209	■ 97210
3000	1000	400	7	1000	■ 97193	■ 97194	■ 97211	■ 97212
3000	1000	500	7	1000	■ 97195	■ 97196	■ 97213	■ 97214
3000	1000	600	7	1000	■ 97197	■ 97198	■ 97215	■ 97216
Additional shelf, galvanised					Additional shelf RAL 7035			
40	1000	400	1		■ 97217		■ 97220	
40	1000	500	1		■ 97218		■ 97221	
40	1000	600	1		■ 97219		■ 97222	

## Bolted shelving META FIX® 230 · Length 1.000 mm · Shelf load 230 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	400	5	1460	■ 2157	■ 2158	■ 68009	■ 68010
2000	1000	500	5	1460	■ 2168	■ 2170	■ 68015	■ 68016
2000	1000	600	5	1460	■ 2180	■ 2182	■ 68021	■ 68022
2000	1000	800	5	1460	■ 2192	■ 2194	■ 68027	■ 68028
2500	1000	400	6	1400	■ 2160	■ 2162	■ 68011	■ 68012
2500	1000	500	6	1400	■ 2172	■ 2174	■ 68017	■ 68018
2500	1000	600	6	1400	■ 2184	■ 2186	■ 68023	■ 68024
2500	1000	800	6	1400	■ 2196	■ 2198	■ 68029	■ 68030
3000	1000	400	7	1240	■ 2164	■ 2166	■ 68013	■ 68014
3000	1000	500	7	1240	■ 2176	■ 2178	■ 68019	■ 68020
3000	1000	600	7	1240	■ 2188	■ 2190	■ 68025	■ 68026
3000	1000	800	7	1240	■ 2200	■ 2202	■ 68031	■ 68032
Additional shelf, galvanised					Additional shelf RAL 7035			
40	1000	400	1		■ 1666		■ 68061	
40	1000	500	1		■ 1668		■ 68062	
40	1000	600	1		■ 1670		■ 68063	
40	1000	800	1		■ 1672		■ 68064	



For the META FIX® range of accessories, refer to Pages 37 – 40, and for the META FIX® SET rack see Page 18

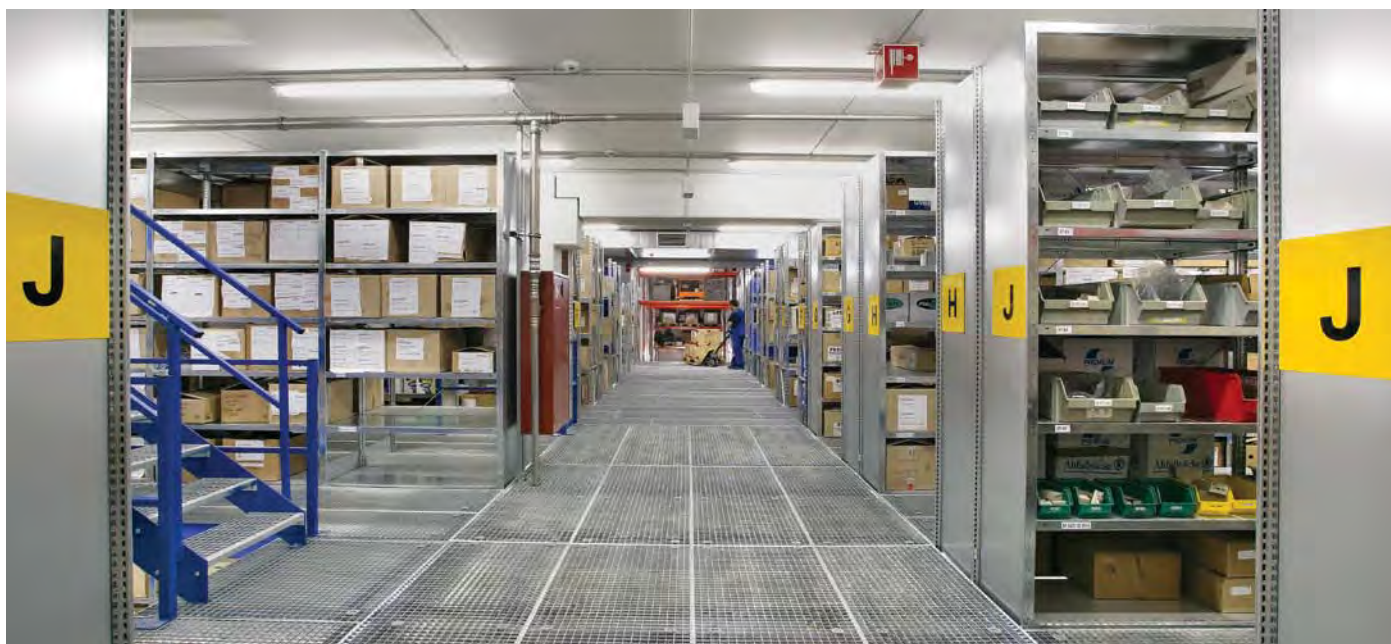
■ on stock

■ two weeks ex works

■ on request

## Case studies

Shelving



Variety "based on two components"



**convertible ...**

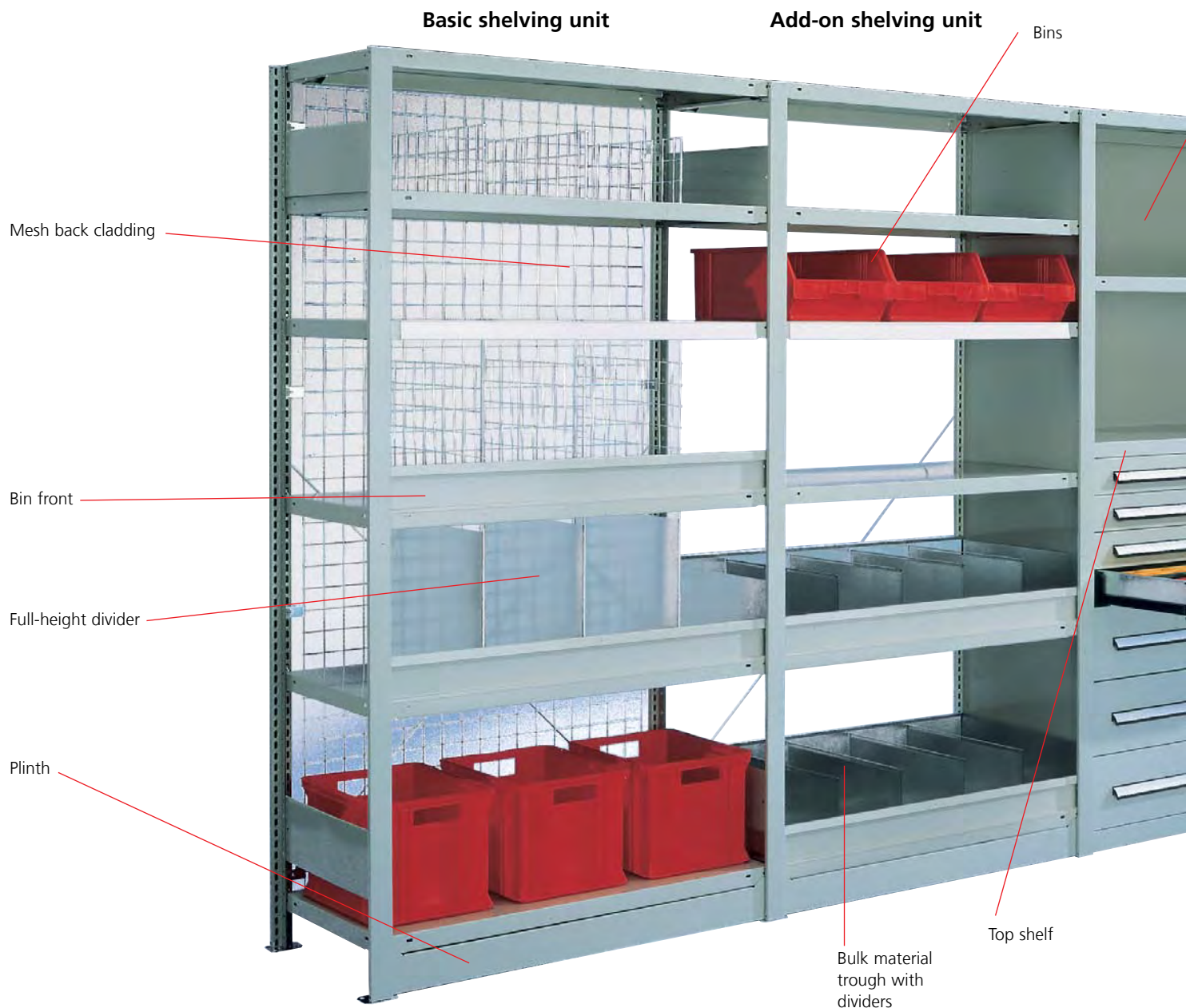
- **multifaceted:** just two building blocks (frame and shelf), can be used to build complex rows of racks for all applications in small parts storage (e.g. spare parts storeroom in industry and small trades, sales store in production-linked trade)
- **easy mounting without screws:**  
quick setup without tools
- **extensive accessories,** see following pages
- **shelf height adjustable in 25 mm steps**  
for variable adjustment to the size of stored goods
- **shelves with 50 mm pitch punch holes**  
for attaching shelf dividers or mesh separators (exception: 80 kg shelves)

- **Dimensional variants:**  
Standard rack height: 2.000, 2.200, 2.500, 3.000, 3.500, 4.000, 4.300, 4.500 mm  
Standard rack depth: 300, 400, 500, 600, 800 mm  
Standard length: 750, 1.000, 1.250, 1.300 mm
- **Individual shelf loads:** up to 400 kg<sup>1)</sup>  
**bay loads:** up to 3.700 kg<sup>1) 2)</sup>
- **Surface:**  
Pre-galvanised  
or additional  
plastic coating  
RAL 7035 light grey

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System description	23 – 25
META QUICK® S3 with disassembled frame	26 – 27
META QUICK® with pre-assembled frame	28 – 29
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<sup>1)</sup> with evenly distributed load    <sup>2)</sup> Bay load data apply to rows of racks in 3 or more bays

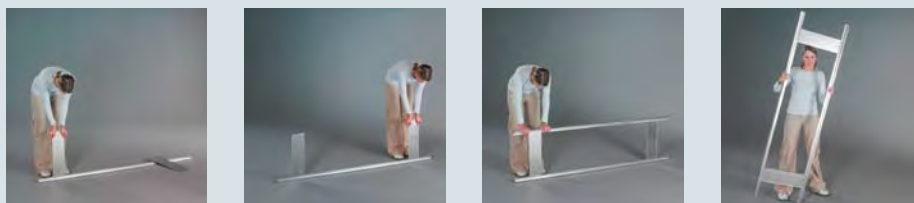
## System description



## Frame Variants – Completely Disassembled or Pre-Assembled (Clinched)

### completely disassembled frame = META QUICK® S3

– low-cost variant, quick mounting without tools!



### pre-assembled frame = clinched frame



# META QUICK® Boltless Shelving

## System description



## Shelving variants



Single-row shelving



Double-row shelving

Shelving

Total price as shown (incl. accessories except plastic bins)

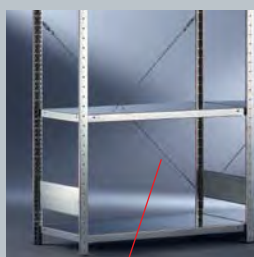
■ Item No. 98998 outside dimensions: 2.000 x 5.080 x 536 mm (H x L x D)

## Mounting Variants – Shelf Clips + Diagonal Bracing Struts or Beams

### Mounting with shelf clips + diagonal bracing struts



Shelf clip



Longitudinal reinforcer with diagonal bracing strut

### Boltless mounting with bracing beams:

can be used with boltless racks with access from either side



■ on stock

■ two weeks ex works

■ on request

# META QUICK® S3 Boltless Shelving

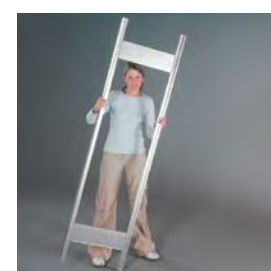
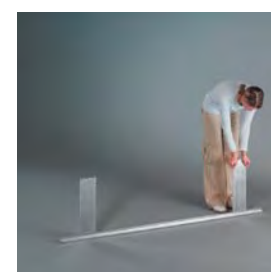
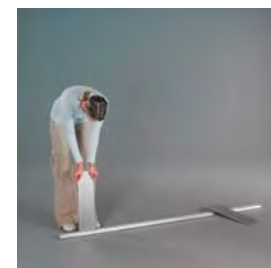


Suggested Orders with Disassembled S3 Frames  
& Diagonal Bracing Struts



- **low cost META QUICK® S3 boltless shelving with disassembled frame** for shelf loads of 80 kg, 150 kg or 230 kg
- **quick boltless mounting without tools**
- **shelf height adjustable in 25 mm steps** for variable adjustment to the size of stored goods
- **edge height:**
  - 80 kg shelf: 25 mm
  - 150 and 230 kg shelves: 40 mm

- **Note:**
  - For technical reasons, linking bars are always galvanised, even on plastic-coated versions
  - 80 kg shelves without holes: limited use of accessories
  - 150/230 kg shelves with holes: all accessories can be mounted



## Planning dimensions & load data

**Basic rack unit:** Nom. length + 56 mm · Nom. depth + 36 mm  
**Add-on rack unit:** Nom. length + 6 mm · Nom. depth + 36 mm  
**Bay load:** up to 1.380 kg  
**Shelf load:** from 80 to 230 kg

## Note on safety:

For racks with height/depth ratio  $\geq 5$  : secure 1 to prevent tilting (for wall or base fixings, see Page 47).  
 The shelf/bay loads apply to evenly distributed loads.  
 Bay loads apply to rows of racks in 3 or more bays.  
 Top shelf 200 kg max.



# META QUICK® S3 Boltless Shelving

Suggested Orders with Disassembled S3 Frames  
& Diagonal Bracing Struts

## Boltless shelving system META QUICK® 80 S3 · Length 1.000 mm · Shelf load 80 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	300	5	1100	■ 89416	■ 89417	■ 89422	■ 89423
2000	1000	400	5	1100	■ 89633	■ 89634	■ 95660	■ 95661
2000	1000	500	5	1100	■ 89635	■ 89636	■ 95662	■ 95663
2500	1000	300	6	1290	■ 89418	■ 89419	■ 89424	■ 89425
2500	1000	400	6	1290	■ 89637	■ 89638	■ 95664	■ 95665
2500	1000	500	6	1290	■ 89639	■ 89640	■ 95666	■ 95667
Additional shelf, galvanised					Additional shelf RAL 7035			
25	1000	300	1		■ 89706		■ 95672	
25	1000	400	1		■ 89707		■ 95673	
25	1000	500	1		■ 89708		■ 95674	

## Boltless shelving system META QUICK® 150 S3 · Length 1.000 mm · Shelf load 150 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	300	5	1100	■ 95017	■ 95018	■ 97039	■ 97040
2000	1000	400	5	1100	■ 95019	■ 95020	■ 97041	■ 97042
2000	1000	500	5	1100	■ 95021	■ 95022	■ 97043	■ 97044
2000	1000	600	5	1100	■ 95023	■ 95024	■ 97045	■ 97046
2500	1000	300	6	1380	■ 95026	■ 95027	■ 97047	■ 97048
2500	1000	400	6	1380	■ 95028	■ 95029	■ 97049	■ 97050
2500	1000	500	6	1380	■ 95030	■ 95031	■ 97051	■ 97052
2500	1000	600	6	1380	■ 95032	■ 95033	■ 97053	■ 97054
Additional shelf, galvanised					Additional shelf RAL 7035			
40	1000	300	1		■ 95009		■ 95013	
40	1000	400	1		■ 95575		■ 95014	
40	1000	500	1		■ 95576		■ 95015	
40	1000	600	1		■ 95577		■ 95016	

## Boltless shelving system META QUICK® 230 S3 · Length 1.000 mm · Shelf load 230 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	300	5	1100	■ 88723	■ 88738	■ 88816	■ 88831
2000	1000	400	5	1100	■ 88724	■ 88739	■ 88817	■ 88832
2000	1000	500	5	1100	■ 88725	■ 88740	■ 88818	■ 88833
2000	1000	600	5	1100	■ 88726	■ 88741	■ 88819	■ 88834
2000	1000	800	5	1100	■ 88727	■ 88742	■ 88820	■ 88835
2500	1000	300	6	1380	■ 88728	■ 88743	■ 88821	■ 88836
2500	1000	400	6	1380	■ 88729	■ 88744	■ 88822	■ 88837
2500	1000	500	6	1380	■ 88730	■ 88745	■ 88823	■ 88838
2500	1000	600	6	1380	■ 88731	■ 88746	■ 88824	■ 88839
2500	1000	800	6	1380	■ 88732	■ 88747	■ 88825	■ 88840
Additional shelf, galvanised					Additional shelf RAL 7035			
40	1000	300	1		■ 87088		■ 87106	
40	1000	400	1		■ 1620		■ 67886	
40	1000	500	1		■ 1624		■ 67887	
40	1000	600	1		■ 1628		■ 67888	
40	1000	800	1		■ 1632		■ 67889	



For the extensive META FIX® range of accessories, see Pages 37 – 39, 41 – 47

■ on stock

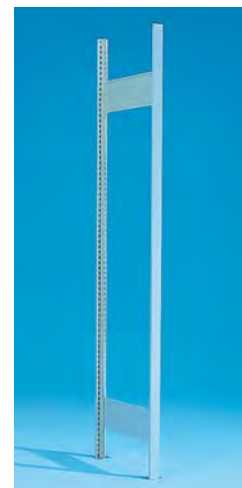
■ two weeks ex works

■ on request

# META QUICK® Boltless Shelving



Suggested Orders for Single-Row Shelving with Pre-Assembled Frames & Diagonal Bracing Struts



pre-assembled frame  
= clinched frame

- boltless shelving with pre-assembled frame = clinched frame
- quick boltless mounting without tools
- extensive accessories

- shelves with 50 mm pitch punch holes for attaching accessories
- single-row, with diagonal bracing struts attached on rear
- shelf height adjustable in 25 mm steps

## Planning dimensions & load data

**Basic rack unit:** Nom. length + 56 mm · Nom. depth + 36 mm  
**Add-on rack unit:** Nom. length + 6 mm · Nom. depth + 36 mm  
**Bay load:** up to 2.400 kg  
**Shelf load:** 100 to 330 kg  
 max. load capacity of top shelves = 200 kg

## Note on safety:

For racks with height/depth ratio  $\geq 5$  : secure 1 to prevent tilting (for wall or base fixings, see Page 47).  
 The shelf/bay loads apply to evenly distributed loads.  
 Bay loads apply to rows of racks in 3 or more bays.



For the extensive META FIX® range of accessories, see Pages 37 – 39, 41 – 47

META QUICK® 100 boltless shelving system · Length 1.000 mm · Shelf load 100 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey			
					Basic rack unit Item No.	€	Add-on rack unit Item No.	€	Basic rack unit Item No.	Add-on rack unit Item No. €
2000	1000	300	5	1560	1265	€	1282	€	67810	67811
2000	1000	400	5	1560	1308	€	1313	€	67816	67817
2000	1000	500	5	1560	1344	€	1350	€	67822	67823
2000	1000	600	5	1560	1365	€	1367	€	67828	67829
2500	1000	300	6	2160	1287	€	1293	€	67812	67813
2500	1000	400	6	2160	1315	€	1317	€	67818	67819
2500	1000	500	6	2160	1353	€	1356	€	67824	67825
2500	1000	600	6	2160	1370	€	1372	€	67830	67831
3000	1000	300	7	2020	1298	€	1303	€	67814	67815
3000	1000	400	7	2020	1334	€	1339	€	67820	67821
3000	1000	500	7	2020	1359	€	1362	€	67826	67827
3000	1000	600	7	2020	1374	€	1376	€	67832	67833
					Additional shelf, galvanised		Additional shelf RAL 7035			
40	1000	300	1		3110	€		€	67882	
40	1000	400	1		3095	€		€	67883	
40	1000	500	1		3097	€		€	67884	
40	1000	600	1		3099	€		€	67885	

# META QUICK® Boltless Shelving

Suggested Orders for Single-Row Shelving with Pre-Assembled Frames  
& Diagonal Bracing Struts

## Boltless shelving system META QUICK® 150 · Length 1.000 mm · Shelf load 150 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	300	5	1560	176530	176531	95047	95048
2000	1000	400	5	1560	176532	176533	95049	95050
2000	1000	500	5	1560	176534	176535	95051	95052
2000	1000	600	5	1560	176536	176537	95053	95054
2500	1000	300	6	2400	176538	176539	95055	95056
2500	1000	400	6	2400	176540	176541	95057	95058
2500	1000	500	6	2400	176542	176543	95059	95060
2500	1000	600	6	2400	176544	176545	95061	95062
3000	1000	300	7	2020	176546	176547	176554	176555
3000	1000	400	7	2020	176548	176549	176556	176557
3000	1000	500	7	2020	176550	176551	176558	176559
3000	1000	600	7	2020	176552	176553	176560	176561
Additional shelf, galvanised					Additional shelf RAL 7035			
40	1000	300	1		95009		95013	
40	1000	400	1		95575		95014	
40	1000	500	1		95576		95015	
40	1000	600	1		95577		95016	

## Boltless shelving system META QUICK® 230 · Length 1.000 mm · Shelf load 230 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	300	5	1560	87062	87063	87089	87090
2000	1000	400	5	1560	1541	1543	67834	67835
2000	1000	500	5	1560	1553	1555	67840	67841
2000	1000	600	5	1560	1565	1567	67846	67847
2000	1000	800	5	1560	1577	1579	67852	67853
2500	1000	300	6	2400	87064	87065	87091	87092
2500	1000	400	6	2400	1545	1547	67836	67837
2500	1000	500	6	2400	1557	1559	67842	67843
2500	1000	600	6	2400	1569	1571	67848	67849
2500	1000	800	6	2400	1581	1583	67854	67855
3000	1000	300	7	2020	87066	87087	87104	87105
3000	1000	400	7	2020	1549	1551	67838	67839
3000	1000	500	7	2020	1561	1563	67844	67845
3000	1000	600	7	2020	1573	1575	67850	67851
3000	1000	800	7	2020	1585	1588	67856	67857
Additional shelf, galvanised					Additional shelf RAL 7035			
40	1000	300	1		87088		87106	
40	1000	400	1		1620		67886	
40	1000	500	1		1624		67887	
40	1000	600	1		1628		67888	
40	1000	800	1		1632		67889	

## Boltless shelving system META QUICK® 330 · Length 1.000 mm · Shelf load 330 kg

(for 800 depth with 2 supports per shelf, shelf load up to 300 kg)



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	400	5	1560	1590	1592	67858	67859
2000	1000	500	5	1560	1602	1604	67864	67865
2000	1000	600	5	1560	1623	1626	67870	67871
2000	1000	800	5	1560	45507	45508	67876	67877
2500	1000	400	6	2400	1594	1596	67860	67861
2500	1000	500	6	2400	1607	1610	67866	67867
2500	1000	600	6	2400	1630	1637	67872	67873
2500	1000	800	6	2400	45512	45511	67878	67879
Additional shelf, galvanised					Additional shelf RAL 7035			
40	1000	400	1		1634		67890	
40	1000	500	1		1638		67891	
40	1000	600	1		1642		67892	
40	1000	800	1		45532		67893	

■ on stock

■ two weeks ex works

■ on request

# META QUICK® Boltless Shelving



Suggested Orders for Double-Row Shelving with Pre-Assembled Frames & Diagonal Bracing Struts



- Double-row boltless shelving with pre-assembled frame = clinched frame
- Quick boltless mounting without tools
- Extensive accessories
  - Both rows firmly connected at the back, access from either side
  - Optimal use of space through back-to-back setup
  - Shelf height adjustable in 25 mm steps
  - Shelves with 50 mm pitch punch holes for attaching accessories

## Planning dimensions & load data

**Basic rack unit:** Nom. length + 56 mm · 2 x nom. depth + 75 mm  
**Add-on rack unit:** Nom. length + 6 mm · 2 x nom. depth + 75 mm  
**Bay load:** up to 2.400 kg  
**Shelf load:** 100 to 330 kg  
 max. load capacity of top shelves = 200 kg

## Note on safety:

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 47).  
 The shelf/bay load data apply with evenly distributed loads.  
 Bay load data apply to rows of racks in 3 or more bays.



For the extensive META FIX® range of accessories, see Pages 37 – 39, 41 – 47

## Boltless shelving system META QUICK® 100 · Length 1.000 mm · Shelf load 100 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey			
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	2 x 300	2 x 5	1560	70585	70586	70662	70663	70662	70663
2000	1000	2 x 400	2 x 5	1560	70592	70593	70668	70669	70668	70669
2000	1000	2 x 500	2 x 5	1560	70598	70599	70674	70675	70674	70675
2000	1000	2 x 600	2 x 5	1560	70604	70605	70680	70681	70680	70681
2500	1000	2 x 300	2 x 6	2160	70587	70588	70664	70665	70664	70665
2500	1000	2 x 400	2 x 6	2160	70594	70595	70670	70671	70670	70671
2500	1000	2 x 500	2 x 6	2160	70600	70601	70676	70677	70676	70677
2500	1000	2 x 600	2 x 6	2160	70606	70607	70682	70683	70682	70683
3000	1000	2 x 300	2 x 7	2020	70589	70590	70666	70667	70666	70667
3000	1000	2 x 400	2 x 7	2020	70596	70597	70672	70673	70672	70673
3000	1000	2 x 500	2 x 7	2020	70602	70603	70678	70679	70678	70679
3000	1000	2 x 600	2 x 7	2020	70608	70609	70684	70685	70684	70685
					Additional shelf, galvanised		Additional shelf RAL 7035			
40	1000	300	1		3110		67882		67882	
40	1000	400	1		3095		67883		67883	
40	1000	500	1		3097		67884		67884	
40	1000	600	1		3099		67885		67885	

# META QUICK® Boltless Shelving

Suggested Orders for Double-Row Racks with Pre-Assembled Frames  
& Diagonal Bracing Struts

## Boltless shelving system META QUICK® 150 · Length 1.000 mm · Shelf load 150 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	2 x 300	2 x 5	1560	■ 176563	■ 176564	■ 176587	■ 176588
2000	1000	2 x 400	2 x 5	1560	■ 176565	■ 176566	■ 176589	■ 176590
2000	1000	2 x 500	2 x 5	1560	■ 176567	■ 176568	■ 176591	■ 176592
2000	1000	2 x 600	2 x 5	1560	■ 176569	■ 176570	■ 176593	■ 176594
2500	1000	2 x 300	2 x 6	2400	■ 176571	■ 176572	■ 176595	■ 176596
2500	1000	2 x 400	2 x 6	2400	■ 176573	■ 176574	■ 176597	■ 176598
2500	1000	2 x 500	2 x 6	2400	■ 176575	■ 176576	■ 176599	■ 176600
2500	1000	2 x 600	2 x 6	2400	■ 176577	■ 176578	■ 176601	■ 176602
3000	1000	2 x 300	2 x 7	2020	■ 176579	■ 176580	■ 176603	■ 176604
3000	1000	2 x 400	2 x 7	2020	■ 176581	■ 176582	■ 176605	■ 176606
3000	1000	2 x 500	2 x 7	2020	■ 176583	■ 176584	■ 176607	■ 176608
3000	1000	2 x 600	2 x 7	2020	■ 176585	■ 176586	■ 176609	■ 176610
					Additional shelf, galvanised		Additional shelf RAL 7035	
40	1000	300	1		■ 95009		■ 95013	
40	1000	400	1		■ 95575		■ 95014	
40	1000	500	1		■ 95576		■ 95015	
40	1000	600	1		■ 95577		■ 95016	

## Boltless shelving system META QUICK® 230 · Length 1.000 mm · Shelf load 230 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	2 x 300	2 x 5	1560	■ 87111	■ 87112	■ 87118	■ 87119
2000	1000	2 x 400	2 x 5	1560	■ 70610	■ 70611	■ 70686	■ 70687
2000	1000	2 x 500	2 x 5	1560	■ 70616	■ 70617	■ 70692	■ 70693
2000	1000	2 x 600	2 x 5	1560	■ 70622	■ 70623	■ 70698	■ 70699
2000	1000	2 x 800	2 x 5	1560	■ 70628	■ 70629	■ 70704	■ 70705
2500	1000	2 x 300	2 x 6	2400	■ 87113	■ 87115	■ 87120	■ 87121
2500	1000	2 x 400	2 x 6	2400	■ 70612	■ 70613	■ 70688	■ 70689
2500	1000	2 x 500	2 x 6	2400	■ 70618	■ 70619	■ 70694	■ 70695
2500	1000	2 x 600	2 x 6	2400	■ 70624	■ 70625	■ 70700	■ 70701
2500	1000	2 x 800	2 x 6	2400	■ 70630	■ 70631	■ 70706	■ 70707
3000	1000	2 x 300	2 x 7	2020	■ 87116	■ 87117	■ 87122	■ 87123
3000	1000	2 x 400	2 x 7	2020	■ 70614	■ 70615	■ 70690	■ 70691
3000	1000	2 x 500	2 x 7	2020	■ 70620	■ 70621	■ 70696	■ 70697
3000	1000	2 x 600	2 x 7	2020	■ 70626	■ 70627	■ 70702	■ 70703
3000	1000	2 x 800	2 x 7	2020	■ 70632	■ 70633	■ 70708	■ 70709
					Additional shelf, galvanised		Additional shelf RAL 7035	
40	1000	300	1		■ 87088		■ 87106	
40	1000	400	1		■ 1620		■ 67886	
40	1000	500	1		■ 1624		■ 67887	
40	1000	600	1		■ 1628		■ 67888	
40	1000	800	1		■ 1632		■ 67889	



# META QUICK® Boltless Shelving



Suggested Orders for Single/Double-Row Shelving with Pre-Assembled Frames & Diagonal Bracing Struts

Shelving



- shelf length 1.300 mm for large-volume goods
- single/double-row boltless shelving with pre-assembled frame = clinched frame
- quick boltless mounting without tools
- extensive accessories
- shelf height adjustable in 25 mm steps
- shelves with 50 mm pitch punch holes for attaching accessories



## Planning dimensions & load data

### Single row:

**Basic rack unit:** Nom. length + 56 mm · Nom. depth + 36 mm

**Add-on rack unit:** Nom. length + 6 mm · Nom. depth + 36 mm

### Double-row:

**Basic rack unit:** Nom. length + 56 mm · 2 x nom. depth + 75 mm

**Add-on rack unit:** Nom. length + 6 mm · 2 x nom. depth + 75 mm

**Bay load:** up to 2.400 kg

**Shelf load:** 230 kg, max. load capacity of top shelves = 200 kg

## Note on safety:

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 47).

The shelf/bay loads apply with evenly distributed loads.

Bay load data apply to rows of racks in 3 or more bays.



For the extensive META FIX® range of accessories, see Pages 37 – 39, 41 – 47

# META QUICK® Boltless Shelving

Suggested Orders for Single/Double-Row Shelving with Pre-Assembled Frames & Diagonal Bracing Struts

Boltless shelving system META QUICK® 230 · Single-row shelving · Length 1.300 mm · Shelf load 230 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1300	300	4	1560	■ 87125	■ 87126	■ 87139	■ 87140
2000	1300	400	4	1560	■ 14286	■ 14287	■ 67932	■ 67933
2000	1300	500	4	1560	■ 14298	■ 14299	■ 67938	■ 67939
2000	1300	600	4	1560	■ 14310	■ 14311	■ 67944	■ 67945
2000	1300	800	4	1560	■ 14322	■ 14323	■ 67950	■ 67951
2500	1300	300	5	2400	■ 87127	■ 87129	■ 87141	■ 87142
2500	1300	400	5	2400	■ 14290	■ 14291	■ 67934	■ 67935
2500	1300	500	5	2400	■ 14302	■ 14303	■ 67940	■ 67941
2500	1300	600	5	2400	■ 14314	■ 14315	■ 67946	■ 67947
2500	1300	800	5	2400	■ 14326	■ 14327	■ 67952	■ 67953
3000	1300	300	6	2020	■ 87130	■ 87132	■ 87143	■ 87144
3000	1300	400	6	2020	■ 14294	■ 14295	■ 67936	■ 67937
3000	1300	500	6	2020	■ 14306	■ 14307	■ 67942	■ 67943
3000	1300	600	6	2020	■ 14318	■ 14319	■ 67948	■ 67949
3000	1300	800	6	2020	■ 14330	■ 14331	■ 67954	■ 67955
Additional shelf, galvanised					Additional shelf RAL 7035			
40	1300	300	1		■ 87153		■ 87154	
40	1300	400	1		■ 16261		■ 67956	
40	1300	500	1		■ 16260		■ 67957	
40	1300	600	1		■ 16259		■ 67958	
40	1300	800	1		■ 16258		■ 67959	

Boltless shelving system META QUICK® 230 · Double-row shelving · Length 1.300 mm · Shelf load 230 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		RAL 7035 light grey	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1300	2 x 300	2 x 4	1560	■ 87133	■ 87134	■ 87145	■ 87146
2000	1300	2 x 400	2 x 4	1560	■ 70734	■ 70735	■ 70758	■ 70759
2000	1300	2 x 500	2 x 4	1560	■ 70740	■ 70741	■ 70764	■ 70765
2000	1300	2 x 600	2 x 4	1560	■ 70746	■ 70747	■ 70770	■ 70771
2000	1300	2 x 800	2 x 4	1560	■ 70752	■ 70753	■ 70776	■ 70777
2500	1300	2 x 300	2 x 5	2400	■ 87135	■ 87136	■ 87147	■ 87148
2500	1300	2 x 400	2 x 5	2400	■ 70736	■ 70737	■ 70760	■ 70761
2500	1300	2 x 500	2 x 5	2400	■ 70742	■ 70743	■ 70766	■ 70767
2500	1300	2 x 600	2 x 5	2400	■ 70748	■ 70749	■ 70772	■ 70773
2500	1300	2 x 800	2 x 5	2400	■ 70754	■ 70755	■ 70778	■ 70779
3000	1300	2 x 300	2 x 6	2020	■ 87137	■ 87138	■ 87150	■ 87152
3000	1300	2 x 400	2 x 6	2020	■ 70738	■ 70739	■ 70762	■ 70763
3000	1300	2 x 500	2 x 6	2020	■ 70744	■ 70745	■ 70768	■ 70769
3000	1300	2 x 600	2 x 6	2020	■ 70750	■ 70751	■ 70774	■ 70775
3000	1300	2 x 800	2 x 6	2020	■ 70756	■ 70757	■ 70780	■ 70781
Additional shelf, galvanised					Additional shelf RAL 7035			
40	1300	300	1		■ 87153		■ 87154	
40	1300	400	1		■ 16261		■ 67956	
40	1300	500	1		■ 16260		■ 67957	
40	1300	600	1		■ 16259		■ 67958	
40	1300	800	1		■ 16258		■ 67959	



# META QUICK® Boltless Shelving

Shelving modules, cabinet modules, storeroom furnishings

Shelving



- **META shelving, cabinet and storeroom furnishings,**

in modules that can be flexibly combined for installation in enclosed work areas such as workshops, storerooms and warehouses

- **the possible combinations are almost limitless**

by combining individual modules based on the META QUICK® system

- **extensive accessories** allow the furnishings to be adapted specially to your requirements

- **trouble-free integration** in complex shelving systems

- **shelves with 50 mm pitch punch holes**

- **Dimensional variants of cabinet modules:**

Standard frame height: 1.025, 2.000, 2.200, 2.500 mm

Standard frame depth: 300, 400, 500, 600, 800 mm

Standard length: 1.000 mm

- **Drawers:**

Frame depth: 400, 500, 600 mm

Drawer height: 100, 200 mm

- **Shelf loads<sup>1)</sup>:**

**Drawers:** 70 kg

**Shelves:** 100 kg

**Bay loads:** 1.000 kg

- **Surface:** plastic-coated RAL 7035 light grey

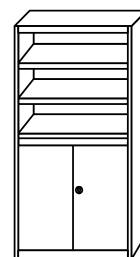


## Cabinet modules

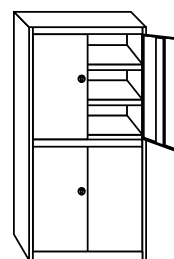


- **practical system products with the META quality standard**, the different requirements of workshop, storeroom and warehouse require individual cabinet solutions
- the cabinet modules are based on the modules and dimensions of the META QUICK® shelf and can be easily integrated with complex shelving systems
- **individual setup** with single cabinet modules made up of basic rack unit (GR) + add-on unit (AR)
- **extensive accessories**
  - shelf height adjustable in 25 mm steps
  - shelves with 50 mm pitch punch holes for attaching accessories
- **supplied in disassembled form**

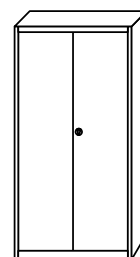
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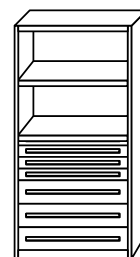
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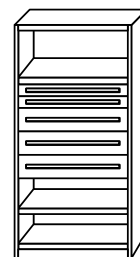
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5



### 1 Cabinet modules RAL 7035 light grey

Description	Height mm	Length mm	Depth mm	Basic rack unit Item No. €	Add-on rack unit Item No. €
half door (bottom) number of shelves: 6	2000	1000	500	■ 67907	■ 67908

### 2 Cabinet modules RAL 7035 light grey

Description	Height mm	Length mm	Depth mm	Basic rack unit Item No. €	Add-on rack unit Item No. €
2 half-doors number of shelves: 6	2000	1000	500	■ 67910	■ 67911

### 3 Cabinet modules RAL 7035 light grey

Description	Height mm	Length mm	Depth mm	Basic rack unit Item No. €	Add-on rack unit Item No. €
Full door number of shelves: 5	2000	1000	400	■ 91282	■ 91408
	2000	1000	500	■ 67904	■ 67906
	2000	1000	600	■ 91283	■ 91409

### 4 Cabinet modules RAL 7035 light grey

Description	Height mm	Length mm	Depth mm	Basic rack unit Item No. €	Add-on rack unit Item No. €
3 drawers 100 mm 3 drawers 200 mm number of shelves: 3	2000	1000	500	■ 98994	■ 98995

### 5 Cabinet modules RAL 7035 light grey

Description	Height mm	Length mm	Depth mm	Basic rack unit Item No. €	Add-on rack unit Item No. €
2 drawers 100 mm 3 drawers 200 mm number of shelves: 4	2000	1000	500	■ 98996	■ 98997

#### Planning dimensions & load data

**Basic rack unit:** Nom. length + 56 mm · Nom. depth + 36 mm  
**Add-on rack unit:** Nom. length + 6 mm · Nom. depth + 36 mm  
**Bay load:** up to 1.000 kg  
**Shelf load:** Drawers: 70 kg · Shelves: 100 kg

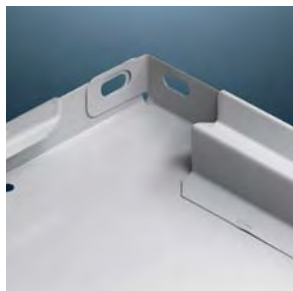
#### Note on safety:

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 47).  
 The shelf/bay load data apply with evenly distributed loads.  
 Bay load data apply to rows of racks in 3 or more bays.  
 If there are pull-out/folding parts, measures must be taken to prevent tilting!

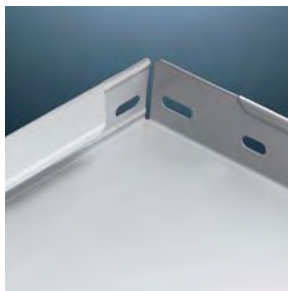


## Properties & Features of the META Shelf Family

Shelving



**L 80 Shelf**



**S 100 Shelf**



**V 150 / V 230 Shelf**



**MS 230 + 330 II shelf**



**Office COMPACT Shelf**



### ■ Durability

quality due to high-grade material: structural steel certified to DIN EN 10147 standard

### ■ Safety

due to safety folding on depth edges

### ■ Multi-functionality

50 mm pitch punch holes for extensive range of attachable accessories (exception: META L 80 shelf, COMPACT office shelf)

### ■ Versions

META shelves are available in the pre-galvanised version or the plastic-coated version

**Pre-galvanisation:** these shelves have optimal protection against corrosion.

**Plastic coating** provides optimal abrasion resistance and the highest possible surface quality.

### ■ META shelf family:

**META L 80 kg shelf**

**META S 100 kg shelf**

**META V 150 kg shelf**

**META V 230 kg shelf**

**META MULTI STABIL® // 230 + 330 kg shelf**

**META COMPACT® office shelf**

... the right shelf for every type of use!

### ■ Edge height of shelves:

**25 mm edge height:**

L 80, META COMPACT® office

**40 mm edge height:**

S 100, V 150, V 230, META MULTI STABIL® // 230 + 330



### 1 Racking shelf L 80 for 80 kg shelf load

1000 x 600 mm shelves have a centre punch hole for attaching centre stops (for office shelves), 25 mm edge fold · no shelf clips

Length mm	Depth mm	Load capacity in kg		galvanised		RAL 7035 light grey	
		Basic rack unit	Add-on rack unit	Item No.	€	Item No.	€
1000	300	80	80	86487		86488	
1000	400	80	80	89522		89916	
1000	500	80	80	89523		89917	
1000	600	80	80	86490		86492	

### 2 Standard 100 shelf for 100 kg shelf load

The differences in load apply to bolted racks only; for boltless racks, the basic rack unit load capacity applies; 40 mm edge fold · no shelf clips

Length mm	Depth mm	Load capacity kg		galvanised		RAL 7035 light grey	
		Basic rack unit	Add-on rack unit	Item No.	€	Item No.	€
750	300	120	100	72265		72441	
750	400	120	100	72266		72442	
750	500	120	100	72267		72443	
750	600	120	100	72268		72444	
1000	300	100	75	86967		86971	
1000	400	115	95	86968		86972	
1000	500	110	90	86969		86973	
1000	600	100	80	86970		86974	

### 3 META V 150 shelf for 150 kg shelf load

40 mm edge fold · no shelf clips

Length mm	Depth mm	Load capacity kg		galvanised		RAL 7035 light grey	
		Basic rack unit	Add-on rack unit	Item No.	€	Item No.	€
1000	300	150	150	94756		94760	
1000	400	150	150	94757		94761	
1000	500	150	150	94758		94762	
1000	600	150	150	94759		94763	

### 3 META V 230 shelf for 230 kg shelf load

40 mm edge fold · no shelf clips

Length mm	Depth mm	Load capacity kg		galvanised		RAL 7035 light grey	
		Basic rack unit	Add-on rack unit	Item No.	€	Item No.	€
1000	300	230	230	97298		97302	
1000	400	230	230	97299		97303	
1000	500	230	230	97300		97304	
1000	600	230	230	97301		97305	

### 4 META MULTI STABIL® 230 shelf // for shelf load 230 kg

40 mm edge fold · no shelf clips

Length mm	Depth mm	Load capacity kg		galvanised		RAL 7035 light grey	
		Basic rack unit	Add-on rack unit	Item No.	€	Item No.	€
1000	800	230	230	84014		84024	
1300	300	230	230	84015		84025	
1300	400	230	230	84016		84026	
1300	500	230	230	84017		84027	
1300	600	230	230	84018		84028	
1300	800	230	230	84019		84029	

### 4 MULTI STABIL® 330 shelf // for 330 kg shelf load

40 mm edge fold · no shelf clips

Length mm	Depth mm	Load capacity kg		galvanised		RAL 7035 light grey	
		Basic rack unit	Add-on rack unit	Item No.	€	Item No.	€
1000	400	330	330	84041		84044	
1000	500	330	330	84042		84045	
1000	600	330	330	84043		84046	



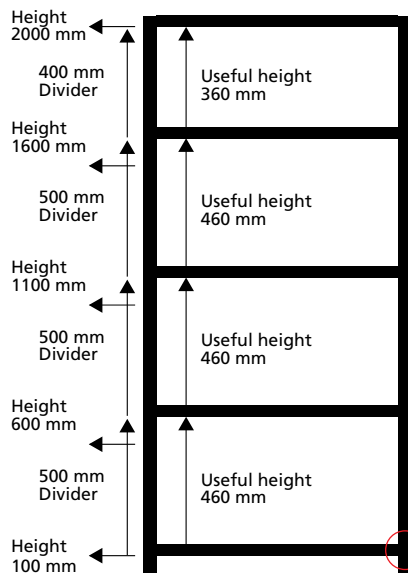
## Range of Components / Bolted and Boltless Shelf General Accessories



**1 Shelf divider** continuous, galvanised  
(height from shelf edge to shelf edge)

Height mm	Depth mm	Divider Item No.	€
200	300	59085	
300	300	59094	
400	300	59100	
500	300	59105	
600	300	59110	
200	400	59087	
300	400	59095	
400	400	59101	
500	400	59106	
600	400	59111	
200	500	59089	
300	500	59097	
400	500	59102	
500	500	59107	
600	500	59112	

Height mm	Depth mm	Divider Item No.	€
200	600	59091	
300	600	59098	
400	600	59103	
500	600	59108	
600	600	59113	
200	800	59093	
300	800	59099	
400	800	59104	
500	800	59109	
600	800	59114	



**Mesh divider** continuous, on request



**2 Shelf divider** free-standing, galvanised (depth 800 mm without clip)

Height mm	Depth mm	Divider Item No.	€
150	300	81004	
150	400	95957	
150	500	91034	
150	600	95958	
140	800	59092	

**3 Mesh divider** free-standing, galvanised (depth 800 mm without clip)

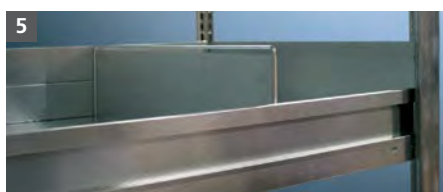
Height mm	Depth mm	Mesh divider Item No.	€
150	300	2579	
150	400	2580	
150	500	2581	
150	600	2582	



**4 Bulk material trough, galvanised**

free-standing shelf dividers must be ordered separately

Basic equipment consisting of	Depth mm	Length 1000 mm Item No.	€	Length 1300 mm Item No.	€
1x bin front 75 mm height (front)	300	97168		97172	
2x bin fronts 75 mm each = 150 mm high (rear), 2x side panels height 150 mm	400	97169		97173	
incl. mounting material for bin fronts; in the FIX System, can only be installed in the basic unit	500	97170		97174	
	600	97171		97175	



**5 Bin front** incl. mounting material

can also be attached one on top of the other

Height mm	Length mm	galvanised Item No.	€	RAL 7035 Item No.	€
75	1000	97147		97149	
75	1300	97148		97150	

### 6 Scanner rail labels

Description	Height mm	Length mm	Item No.	€
self-adhesive, for attaching product labels up to 38 mm in height	38	950	66127	
	38	1250	66128	



### 7 Longitudinal support for 1000 mm length V 150 shelves

Description	Length mm	galvanised Item No.	€	RAL 7035 Item No.	€
for 1000 mm length V 150 shelves	1000	89705		90484	



### 8 Longitudinal support for 1300 mm length MULTI STABIL shelves

Description	Length mm	galvanised Item No.	€	RAL 7035 Item No.	€
for 1300 mm length MULTI STABIL shelves	1300	84666		84668	



### Increase in load capacity with longitudinal supports

Description	Depth of shelf mm	Increased load capacity		
		without support	with 1 support	with 2 supports
		kg	kg	kg
<b>V 150 shelves</b>	300	150	200	—
1000 mm length,	400	150	200	—
applies to depths of	500	150	200	—
300, 400, 500 and 600 mm	600	150	200	—
<b>MULTI STABIL 230 // shelves</b>	300	230	—	—
1300 mm length,	400	230	330	—
applies to depths of	500	230	330	400
300, 400, 500, 600 and 800 mm	600	230	330	400
	800	230	250	270

## Range of Components / Bolted Shelf General Accessories

Shelving



### 1 Angle sections

Section	Cross-section	Height mm	galvanised		RAL 7035	
			Item No.	€	Item No.	€
ML 35	35 x 35 mm	2000	■ 676		■ 54756	
	Thickness = 1.5 mm	2500	■ 679		■ 58690	
	Holes = 17 x 7.5 mm	3000	■ 437		■ 63247	

Section	Cross-section	Height mm	galvanised		RAL 7035	
			Item No.	€	Item No.	€
ML 40	40 x 40 mm	2000	■ 688		■ 65769	
	Thickness = 2.0 mm	2500	■ 683		■ 65473	
	Holes = 17 x 7.5 mm	3000	■ 685		■ 64501	

Section	Cross-section	Height mm	galvanised		RAL 7035	
			Item No.	€	Item No.	€
ML 60/45	60 x 45 mm	2000	■ 687		■ 67767	
	Thickness = 2.0 mm	3000	■ 681		■ 67769	
	Holes 32 x 7.5 mm					

2



### 2 Steel rack feet / levelling plate

Description			galvanised	
Qty. required: 1 piece per angle section			Item No.	€
Galvanised steel foot for screw fixing, or anchoring			■ 1900	
Levelling plate 2 mm, galvanised, no illustration			■ 73581	

3



### 3 Rack reinforcement by brackets and lens flange head screws

Description		galvanised	
		Item No.	€
4 brackets + 13 lens flange head screws		■ 84890	
8 brackets + 25 lens flange head screws		■ 84891	

4



### 4 Normal level is mounted with lens flange head screws and collar nuts

Description		galvanised	
		Item No.	€
42 collar nuts + 42 lens flange head screws		■ 84545	
12 collar nuts + 12 lens flange head screws		■ 84543	

5



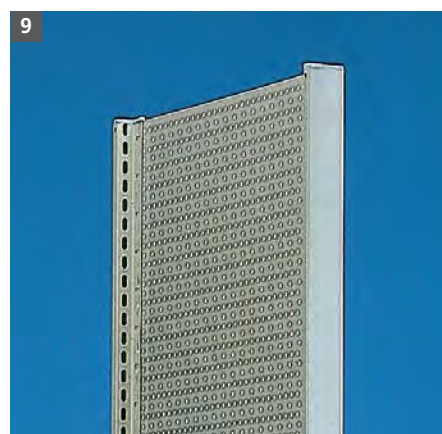
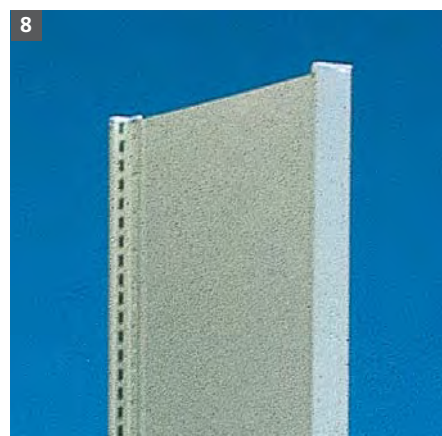
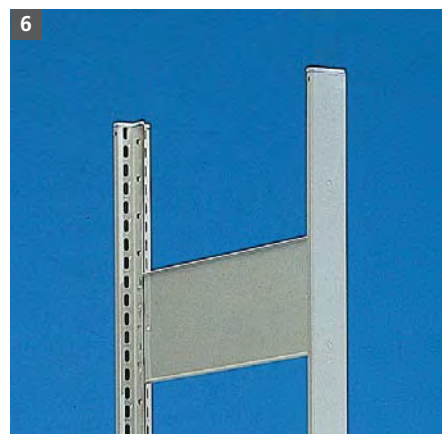
### 5 Offset screwdriver (6-point)

Description		galvanised	
		Item No.	€
With ball head · Nickel-plated surface · 140 x 25 mm (SW4) already included with orders of the basic rack unit		■ 84813	

## Range of Components / Boltless Shelf General Accessories

### Frame variants, clinched version\*, without feet, without top caps

Height mm	Depth mm	6 Open frame galvanised		6 Open frame RAL 7035 light grey		7 Square hole panel frame RAL 7035	
		Item No.	€	Item No.	€	Item No.	€
2000	300	216		58683		83483	
2000	400	218		53199		67755	
2000	500	57		53200		62809	
2000	600	219		54150		67756	
2000	800	7639		68759		67757	
2500	300	276		63519		77155	
2500	400	277		67735		67758	
2500	500	58		64497		67759	
2500	600	278		66346		67760	
2500	800	7851		68789		67761	
3000	300	7956		63373		91525	
3000	400	7958		67784		67762	
3000	500	7960		67785		67763	
3000	600	7962		63518		67764	
3000	800	7975		68791		67765	



### Frame variants, clinched version\*, without feet, without top caps

Height mm	Depth mm	8 Plain frame galvanised		8 Plain frame RAL 7035 light grey		9 Euro-pegboard frame RAL 7035	
		Item No.	€	Item No.	€	Item No.	€
2000	300	811		60873		68953	
2000	400	9896		66347		67749	
2000	500	9909		65869		64499	
2000	600	9912		63404		66103	
2000	800	1052		63331		67750	
2500	300	383		62497		68989	
2500	400	384		67740		63710	
2500	500	385		67741		67751	
2500	600	386		66348		63711	
2500	800	10262		67744		62431	
3000	300	89506		92289		68997	
3000	400	92260		91958		67752	
3000	500	92269		92569		63744	
3000	600	92277		92571		67753	
3000	800	92284		92572		67754	



\*clinched = frame fully pre-assembled

### Case studies:

Euro-pegboard frame with special paint finish and ...

... galvanised plain frame

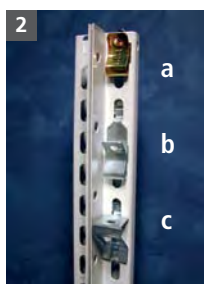


## Range of Components / Boltless Shelving General Accessories



### 1 Adjustable/clamping feet galvanised

Description	galvanised Item No.	€
a Single foot, max.bay load 1800 kg, adjustment range 40 mm	60781	
b Clamping foot	107	
c Levelling plate 2 mm	1364	
d Double foot	60782	
e Double clamping foot	108	
f Double foot levelling plate	1360	



### 2 Shelf clips galvanised

Description	galvanised Item No.	€
a Top shelf	110	
b Steel shelf	109	
c Wooden shelf	1702	
d COMPACT office shelf / L 80 (no illustration)	13880	



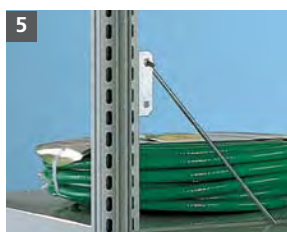
### 3 Top cap

Description	Single cap Item No.	€	Double cap Item No.	€
<b>Single-row rack:</b>				
4 single caps (basic rack unit)	47892		58699	
2 single caps (add-on rack unit)				
<b>Double-row rack:</b>				
4 single / 2 double caps (BU)				
2 single / 1 double caps (AU)				



### 4 Longitudinal reinforcer with diagonal bracing strut

Description	galvanised Item No.	€
Diagonal bar 1000	1694	
Diagonal bar 1300	1946	
Turnbuckle 60	1691	



### 5 Connection plate

Description	single, galvanised Item No.	€	double, galvanised Item No.	€
for double-row racks, galvanised, for installation and quantity see assembly instructions	7505		7507	



### 6 Longitudinal reinforcer with bracing beams for 40 mm folded shelf edge

Length mm	galvanised Item No.	€	RAL 7035 Item No.	€
1000	2583		48876	
1300	2584		63708	

## Range of Components / Boltless Shelving General Accessories

### 7 QUICK back panel, solid panel version, incl. mounting material

Height mm	Width mm	galvanised Item No.	€	RAL 7035 light grey Item No.	€
2000	1000	73623		73633	
2500	1000	73625		73635	
3000	1000	73627		73637	
2000	1300	73683		73693	
2500	1300	73685		73695	
3000	1300	73687		73697	



### 8 QUICK back panel, mesh panel version, incl. mounting material

Height mm	Width mm	galvanised Item No.	€
1900	900	14904	
2400	900	14905	
2900	900	14906	



### 9 QUICK back panel, Euro-pegboard version, incl. mounting material

Height mm	Width mm	RAL 7035 light grey Item No.	€
2000	1000	82720	
2500	1000	82721	
3000	1000	82722	
2000	1300	82723	
2500	1300	82724	
3000	1300	82725	



### Rack mesh panel (side panel)

Description	Height mm	Depth mm	galvanised Item No.	€
no mounting accessories	1900	300	462	
(depth 300 mm for rack depth 400 mm)	1900	400	463	
	1900	500	464	

### 10 Universal mesh panel holder

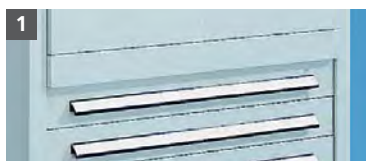
Description	galvanised Item No.	€
incl. screw + nut for mesh side panels	61534	
incl. clamping sleeve / expansion cores for back panels	98931	

### 11 Profile clips

Description	galvanised Item No.	€
for joining double-row racks	57698	



## Range of Components / Boltless Shelving General Accessories



### 1 Intermediate rail (door bolt) incl. mounting material

for rack width 1000 mm

Description	Height mm	RAL 7035	
		Item No.	€
RAL 7035; if installing 2 doors one above the other or drawers above or below a door, an intermediate rail must be inserted. When ordering, please indicate whether this type of structure is required.	73	■ 97293	



### 2 Drawer top shelf

(without holes, without central locking device)

Description	Length mm	Depth mm	RAL 7035	
			Item No.	€
RAL 7035, for technical reasons, it is an absolute requirement to install a top shelf above the drawer.	1000	400	■ 97284	
	1000	500	■ 97285	
	1000	600	■ 97286	



### 3 Plinth

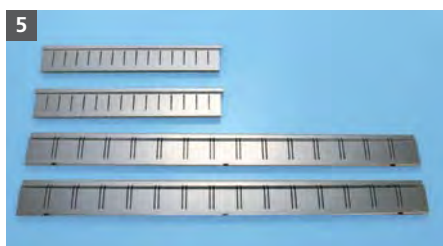
Description	Height mm	Length mm	RAL 7035	
			Item No.	€
required as bottom limiter and for stabilisation if installing drawers	56	1000	■ 61447	



### 4 BASIC drawer – without inner profile

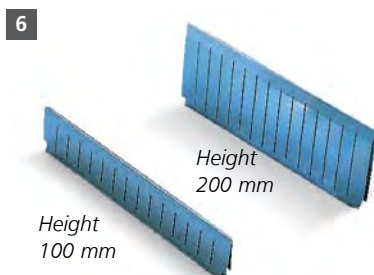
for rack width 1000 mm

Description	Height mm	Depth mm	RAL 7035	
			Item No.	€
Load 70 kg with evenly distributed load, RAL 7035 front, width 1000 mm, full extension, pull-out locking (when one drawer is pulled out, the others are locked automatically; safety device to prevent tipping or jamming). Inner sections can be retrofitted if necessary.	100	400	■ 97271	
	200	400	■ 97274	
	100	500	■ 97272	
	200	500	■ 97275	
	100	600	■ 97273	
	200	600	■ 97276	



### 5 Inner sections (set of 4)

Description	Height mm	Depth mm	galvanised	
			Item No.	€
for subsequent insertion in drawers if necessary, if depth dividers and separators or plastic tray inserts are being used	100	400	■ 97277	
	200	400	■ 97280	
	100	500	■ 97278	
	200	500	■ 97281	
	100	600	■ 97279	
	200	600	■ 97282	



### 6 Depth dividers

(ONLY in connection with inner sections)

Description	Height mm	Depth mm	galvanised	
			Item No.	€
galvanised; for dividing drawers depth-wise. Please always order 2 pieces, to allow separators to be installed in both directions.	100	400	■ 97160	
	200	400	■ 97166	
	100	500	■ 56902	
	200	500	■ 56903	
	100	600	■ 97161	
	200	600	■ 97167	

## Range of Components / Boltless Shelving General Accessories

### 7 Separator plate

(ONLY in connection with inner sections)

Description	Height mm	Width mm	galvanised Item No.	€
galvanised; for dividing longitudinally, in connection with depth dividers	100	51	56904	
	100	109	56905	
	100	167	58456	
	100	225	58457	
	100	284	58458	
	200	51	58459	
	200	167	56906	
	200	225	56907	
	200	109	56909	
	200	284	58460	

7



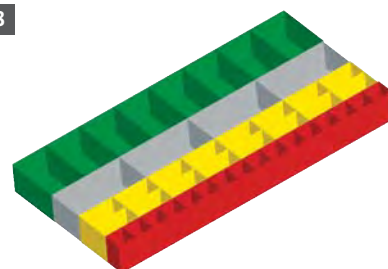
Shelving

### 8 Individual plastic tray inserts

(ONLY used in connection with inner sections)

Type	Height mm	Dimensions mm	Colour	galvanised Item No.	€
E63/1	63	54 x 54	red	56880	
E63/4	63	108 x 162	green	56881	
E63/3	63	108 x 108	blue	56882	
E63/2	63	54 x 108	yellow	56883	
E63/6	63	108 x 216	grey	91415	

8

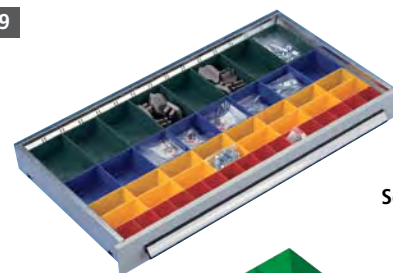


### 9 Complete sets of tray inserts each for one drawer of depth 500 mm

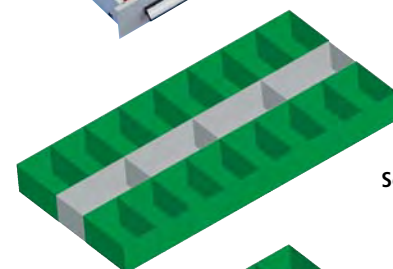
(ONLY possible in connection with inner sections, other sets available on request)

Description	Item No.	€
<b>Set 1:</b> 8 x E63/4 green 108 x 162 mm, 8 x E63/3 blue 108 x 108 mm, 16 x E63/2 yellow 54 x 108 mm, 16 x E63/1 red 54 x 54 mm	91412	
<b>Set 2:</b> 16 x E63/4 green 108 x 162 mm, 4 x E63/6 grey 108 x 216 mm	91413	
<b>Set 3:</b> 8 x E63/4 green 108 x 162 mm, 4 x E63/6 grey 108 x 216 mm, 16 x E63/2 yellow 54 x 108 mm, 16 x E63/1 red 54 x 54 mm	91414	

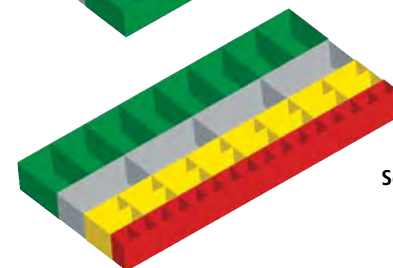
9



Set 1



Set 2



Set 3



**This is how drawers are fitted correctly**

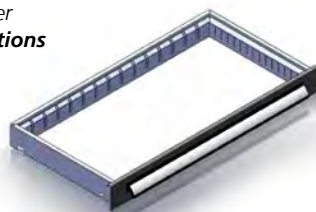
4

**BASIC  
drawer**



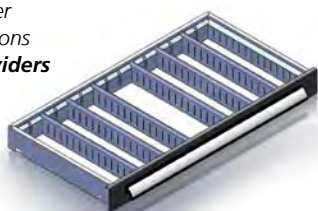
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**BASIC drawer  
+ inner sections**



6

**BASIC drawer  
+ inner sections  
+ depth dividers**



7

**BASIC drawer  
+ inner sections  
+ depth dividers  
+ separator  
plates**

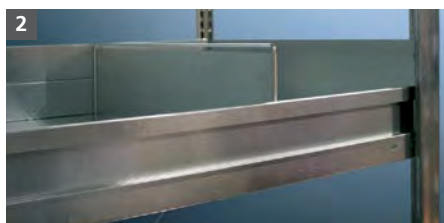


## Range of Components / Boltless Shelving General Accessories



### 1 Pull-out shelf · Shelf load 70 kg

Description	Length mm	Depth mm	galvanised Item No. €	RAL 7035 Item No. €
incl. telescopic drawer runners	1000	400	■ 98076	■ 98077
	1000	500	■ 82670	■ 82671
	1000	600	■ 98078	■ 98079



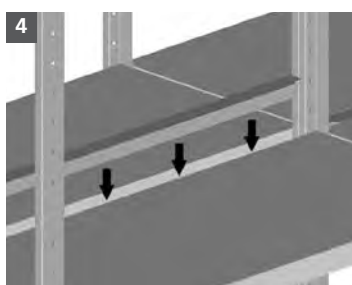
### 2 Bin front incl. mounting material can also be attached one on top of the other

	Height mm	Length mm	galvanised Item No. €	RAL 7035 Item No. €
	75	1000	■ 97147	■ 97149
	75	1300	■ 97148	■ 97150



### 3 Plinth

Description	Height mm	Length mm	galvanised Item No. €	RAL 7035 Item No. €
other versions on request	56	1000	■ 58660	■ 61447
	56	1300	■ 58662	■ 67966



### 4 Infill strip

Description	Length mm	galvanised Item No. €	RAL 7035 Item No. €
for use on double racks only!	1000	■ 48185	■ 62211
Possible with bracing beam only!	1300	■ 48188	■ 67766



### 5 Back stop strip

Description	Height mm	Length mm	galvanised Item No. €	RAL 7035 Item No. €
Height: 20 mm above top edge of shelf when installed	20	1000	■ 86501	■ 86504
	20	1300	■ 87197	■ 87198



### 6 Double doors

for rack width 1000 mm, incl. door bolt

Description	Fig. type	RAL 7035 Item No. €
The door leaves are held on two rails at top and bottom. Door leaves with reinforcing cross-brace, steel hinge pins, lockable handle with 3-point locking, and shaped rubber damper. Leaf thickness 25 mm. Surface RAL 7035 light grey META rack doors for enclosed storage of all types of materials and tools in the QUICK rack system.	<b>1/1 door</b> 2,000 mm height	■ 61241
	<b>1/2 door</b> 1,000 mm height	■ 61242
	<b>1/4 door</b> 500 mm height	■ 61243

## Range of Components / Boltless Shelving General Accessories

### 7 Hanging rail incl. shelf bearers

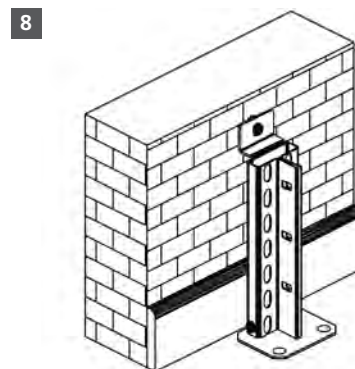
Description	Length mm	Depth mm	galvanised Item No.	€
galvanised, for hanging clothes etc., load capacity with evenly distributed load: 70 kg	1000	500	69980	
	1000	600	53599	



Shelving

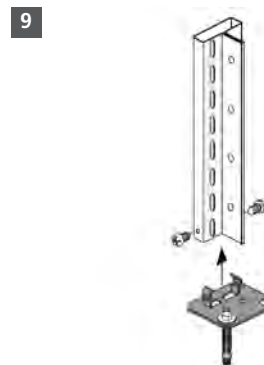
### 8 Wall mounting kit

Description	galvanised Item No.	€
quantity required: 2 pieces for basic unit, 1 piece for add-on unit	72432	



### 9 Floor fixing kit

Description	galvanised Item No.	€
quantity required: 4 pieces for basic unit, 2 pieces for add-on unit	80051	



# META QUICK® Specialised Market Store Furnishings

## Case studies

Shelving



### Good presentation = better sales.

The final decision to purchase is made by the customer at the point of sale. And it is precisely in specialised trades that it becomes obvious how professional warehousing and presentation techniques can directly affect the success of your business. This is where META specialised store furnishings make the difference.

### For example, in:

- Tooling and machine trade, specialised sanitary goods wholesale trade
- Production-linked trade with combined specialised store and warehouse furnishings.

**So you too can always have the right solution in store for your customers!**





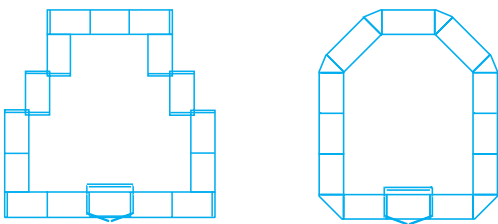
Shelving

**META Market is a practically-oriented furnishing concept for specialised market stores.**

- Traditional forms of marketing are losing ground in the face of competition. Those who do not adapt to the changing conditions will meet only with failure when they go to market
- **META Market means:** bigger market due to freedom in the shape and form of presentation of specialised products, in an environment where goods and shopping become an experience in themselves.
- **META Market means:** analysis, consultancy, project planning, supply and assembly by META in collaboration with customers, architects and planners.



### ■ Example applications: 1. Sales counters with swing door



**Swing door span dimension:**  
800 - 1.300 mm



### ■ Example applications: 2. Sales counters without swing door



# META QUICK® Specialised Market Store Furnishings

## Case studies



The Gaßmann technical wholesale centre is set out on 1.440 square metres, where the customer finds a comprehensive range of products, from work safety goods, through wall & floor fixings, manual/power tools, standard parts and drive technology, through to building chemical products.



The bright blue paint creates a uniform appearance

With their new professional trade warehouse at Heiligenstadt, the Gaßmann technical wholesalers have opened a large-scale extension to their display and warehousing surface. On 1.440 square metres of warehouse surface, the customer will find a comprehensive range of products, from fixings, hand tools and power tools, standard components, and drive technology, through to building chemical products. For their warehouse furnishings, company directors Martin Gaßmann and Ludwig Urbach called in META Regalbau from Arnsberg.

Optimising their internal flow of materials was a decisive factor for overall modernisation. The mission statement specified short aisles, clear arrangement, and plenty of room for about 18.000 items. META planned and installed the two-tier META QUICK® shelving system, which combined seamlessly with the need for clear presentation. This allows both the employees and the customers to have quick access to small parts such as screws, hand tools and dowels, as well as special products.

### ■ Racking systems provide flexibility

Fitted with the sturdy V 150 shelves, the boltless rack system installed at Gaßmann shows off all its advantages. In particular, the 25 mm step adjustment feature proved its worth: "This has allowed us to adapt the individual shelves to the differences in the products stored. We have even ordered more shelves, knowing we will have no trouble integrating them by ourselves", said Urbach, praising the flexibility of the system. On the ground floor and upper floor are a total of eight double rows of racks, each ending with a single row. Items are distributed over a total of 1.565 shelves. Special attention was given to the little roof over the aisle on the ground floor: The standard frames were moved forward and two more shelves added, thus creating additional storage space. On the back, the rows of racks are attached to pegboards. They therefore provide sufficient room for storing additional products.

The steel structure, the continuous rail on the upper level and other elements are painted with RAL 5015. The bright blue colour creates a uniform appearance that matches the window frames.



Shelving

### ■ Working together as partners

Collaborating as partners, Gaßmann and META have together produced a warehouse which is effective both visually and functionally. For years now, the META rack system has been a firm part of the range of products at Gaßmann, which, with their new sales and logistics centre, have reached another milestone in their expansion strategy.

**"We are now in a position to present our core competence in an extensive and structured way."**

Ludwig Urbach, company director

*To create the extension to the professional trade warehouse, the mission statement specified short aisles, clear arrangement, and plenty of room for about 18.000 items.*



## 1 system = 3 solutions! High Shelving & Multi-Tier Systems and AKL



### META HIGH-CLIP®

Strength to us means competence – and in that we grow along with the demands of our customers. New product development and continuous improvement of already proven products are always the result of interactions with customers ...

Upright sections combined with the tried and tested META shelves are the building blocks used in the META HIGH-CLIP® high shelving system.

This allows rows of racks to be built up to 12 m in height – **more storage space in a minimum of room...**

### META HIGH-CLIP® provides:

- Optimal usage of room height – up to 12 m
- 100% usage of shelf widths
- Shelf widths 1.000 or 1.300 mm
- Shelf depths from 300 – 800 mm
- Shelf height adjustable in 25 mm steps
- Shelves mounted without screws
- Frames disassembled for optimal transport
- Frames pre-assembled if desired
- Shelf loads from 80 to 400 kg
- Bay loads up to 7.5 t
- Surface: zinc or plastic coated to RAL standard if required

### Data at a glance

- Rack height up to 12 m
- Bay loads up to 7.5 t
- Shelf loads up to 400 kg
- Shelves adjustable in 25 mm steps
- 100 % usage of shelf width
- Can be extended up to 5 levels



**Picture on left:** META HIGH-CLIP® Multi-tier shelving system

**Picture on right:** META HIGH-CLIP® High shelving system



### High shelving system:

**Frame height:** up to 12 m

**Shelf depth:**

300, 400, 500, 600, 800 mm

Shelf	Shelf load
L 80	80 kg
V 150	150 kg
MS 230	230 kg
MS 330	330 kg
MS 330	400 kg*

\*if supports are installed



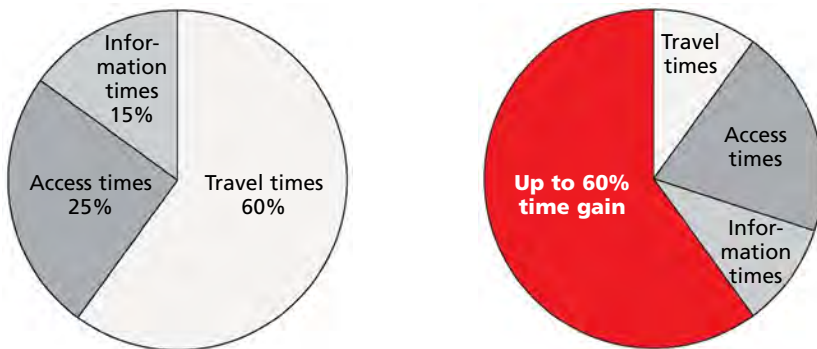
### Multi-tier shelving system:

with a multi-tier structure, you make optimal use of your available space. Your storage space can grow and adapt to the requirements. You also acquire the option of adapting the amount of storage to the amount of growth. With the META HIGH-CLIP® system, you can also step up your storage capability at a later time. This can be taken into account at the warehouse planning stage if required. Frame heights can reach as far as 12 metres.

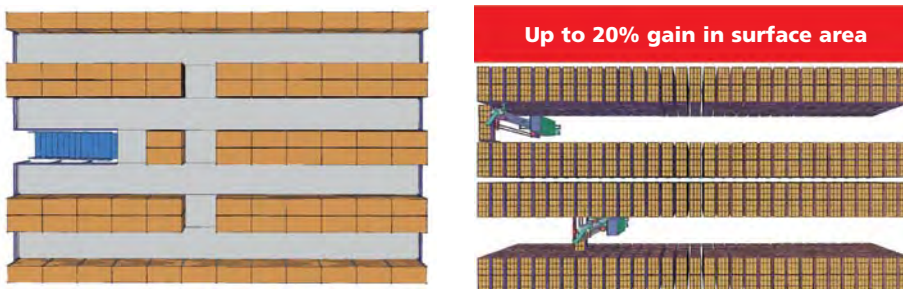
## Advantages of META HIGH-CLIP® AKL

- short access times with the "goods to customer" principle, increasing the order picking rate by up to 60%
- high savings on travel times (up to 80%)
- creation of ergonomic and clearly arranged workplaces, with continuous replenishment at the workplace
- clearer overview for order picking with up to 30% reduction in information time
- direct access to all items
- stock shortfalls are avoided, with continuous stock-taking of the existing inventory performed by intelligent warehouse management software
- high security through monitoring of accesses to goods in a closed system
- high individual weights can be handled
- high storage density with high shelving structures that make optimal usage of space
- double depth storage possible

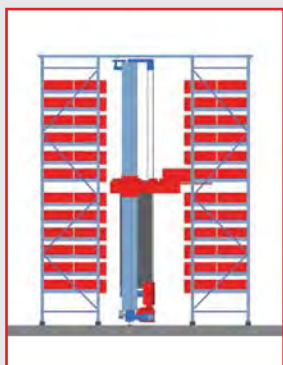
### Time saving with META AKL



### Gain in storage surface with META AKL



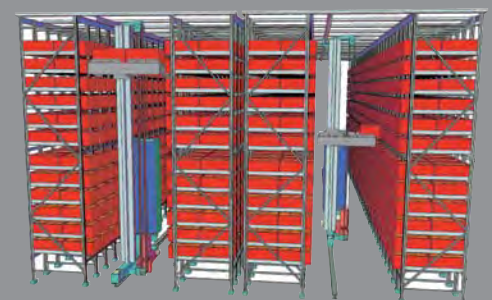
Shelving



### AKL = automatic small parts store (Automatisches Kleinteilelager):

The larger your range of products, the smaller the goods and the more frequent the need for small order picking quantities, the sooner you will benefit from the advantages of the META HIGH-CLIP® AKL. With the AKL, your products are stored compactly in a minimum of space. In this way, you make optimal use of your available storage space. If required, goods can be retrieved automatically from the storage location by a high-performance shelf operating machine and delivered to the order picking area.

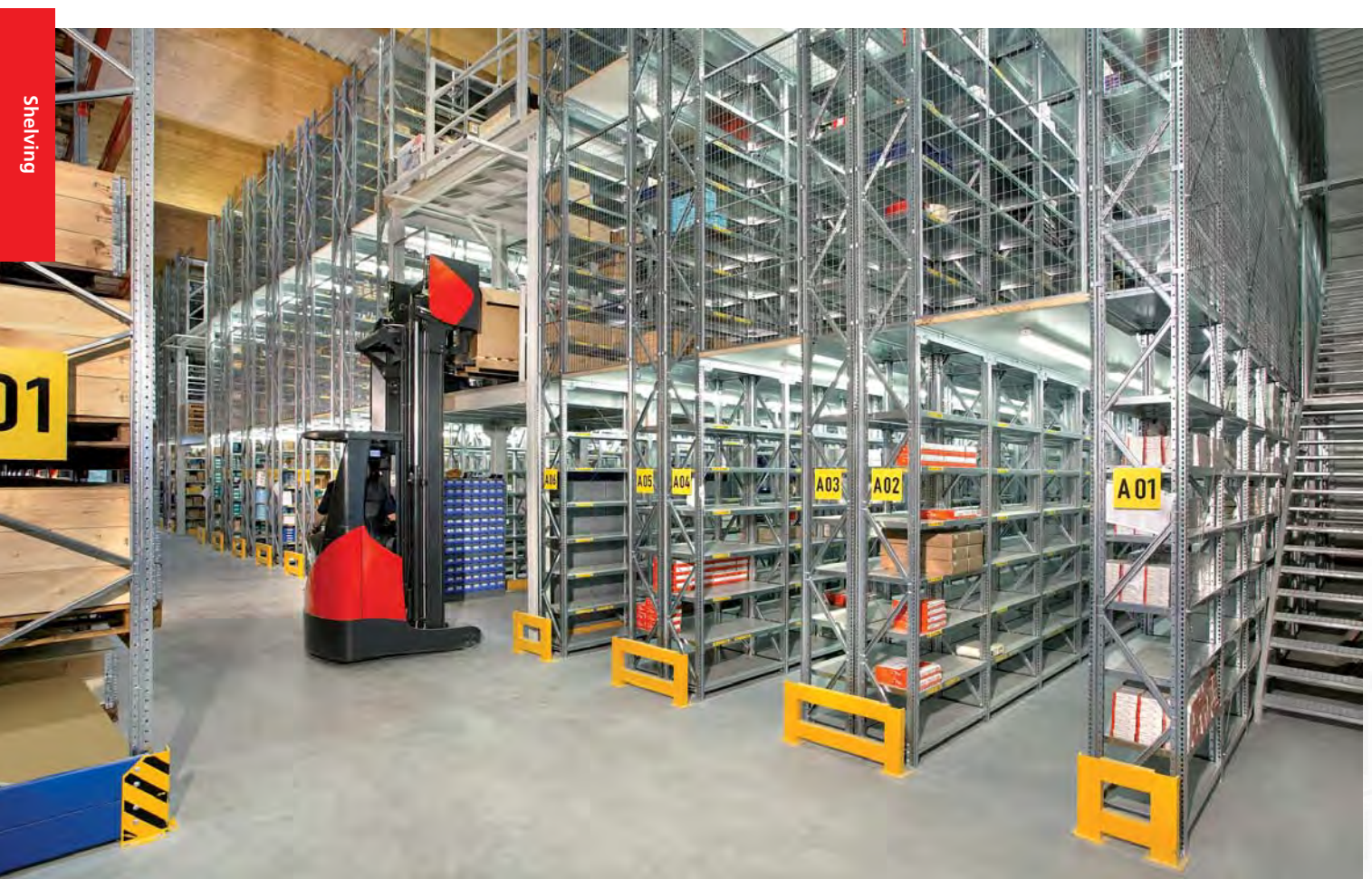
This not only increases your order picking rate considerably, but also enhances your inventory reliability and supply capability.



META HIGH-CLIP® AKL

# META Practical Solutions: THB, Ebensee

Sector: rolling bearings



The rolling bearing dealer THB has a warehouse with an almost grid-type arrangement, on a ground surface area of 900 square metres. This manual order picking warehouse has a three-tier META HIGH-CLIP® shelving system.



The THB warehouse also has a META MULTIPAL® type pallet racking system.

THB is a solution-oriented manufacturer and independent supplier of rolling bearings, turned parts and components with its headquarters in the Austrian town of Ebensee on the Traunsee. The company was established in 2000 and stands for first-class quality and customer support. With their extensive knowledge, THB always finds the optimal solution for its customers.

THB's old warehouses were distributed between three locations in an 10 km area around Ebensee, so the company's logistics were exceptionally inflexible and complicated. A positive development in sales allowed a new warehouse to be constructed, with an adjoining administrative building.

### ■ The new building

This owner-managed company entrusted the logistics planning to the shelving system manufacturer META Lagertechnik.

Edwin Zellner, area sales manager for META Austria, assisted the THB team with his special expertise.

The planning goal was to be able to continuously review the range of products, while allowing employees freedom of movement. THB therefore decided to have a manual order picking warehouse with a three-tier META HIGH-CLIP® shelving system and a META MULTIPAL® type pallet racking system. The warehouse has an almost grid-type arrangement on a floor surface of 900 square metres.



*Safety is an important matter in the new THB warehouse.*



*The new logistics centre is designed so that there will be sufficient room over the next three years for expansion and for turning visions into reality.*

### ■ Maximum warehouse safety

Obviously, the shelving systems have the usual safety measures, such as collision/accident prevention and impact protection. In general, safety is an important consideration at the new THB warehouse. An automatic lighting system in the aisles ensures sufficient lighting when working at the shelves.

The new logistics centre is designed so that there will be sufficient room over the next three years for expansion and for turning visions into reality. At the present day, there is storage capacity for up to 4,000 tons of rolling bearings.

**"The unusual thing about the work at THB was the fact that the building was planned around the storeroom, i.e. there were absolutely no architectural limits for us planners,"**

Edwin Zellner, of META Austria, remembers with pleasure.



# META QUICK® Boltless Shelving



Examples from a vehicle parts warehouse

Shelving



## Special purpose racks

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META QUICK® tyre & wheel racks	58
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## tilted, awkward or hazardous...

... META has a solution for many types of special applications! On the following pages you will find special shelving solutions for:

- Tyres and rims
- Personal protection equipment
- Corner rack units
- Parcel shelves
- Inclined shelves and feeder racks
- Order-picking racks
- Racks with fronted storage bins
- Hazardous substance storage
- Drum racks

# META QUICK® Tyre & Wheel Shelving

## Order suggestions

Special racks



### 1 META QUICK® S3 Tyre shelving · galvanised · shelf load 150 kg

kg  
150

Height mm	Length mm	Depth mm	Number of levels	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	400	3	■ 95902	■ 95903
2500	1000	400	4	■ 97896	■ 97897
2000	1300	400	3	■ 96641	■ 96642
2500	1300	400	4	■ 97898	■ 97899

### 2 META QUICK® S3 Wheel shelving · galvanised · shelf load 150 kg

kg  
150

Height mm	Length mm	Depth mm	Number of levels	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	300	4	■ 95904	■ 95905
2000	1300	300	4	■ 96643	■ 96644

### 3 META QUICK® S3 Tyre/wheel shelving · galvanised · shelf load 200 kg

kg  
200

Height mm	Length mm	Depth mm	Number of levels	Basic rack unit Item No. €	Add-on rack unit Item No. €
2500	1000	500	3	■ 53595	■ 53596

### Additional shelf level for tyre and wheel shelving · shelf load 200 kg

kg  
200

Description	Length mm	Depth mm	galvanised Item No. €
additional loading 200 kg/shelf	1000	500	■ 53597

### Personal protective equipment shelving, galvanised

Description	Item No. €
quantity required: 4 pieces for basic unit, 2 pieces for add-on unit	■ 80051

#### Planning dimensions & load data

**Basic rack unit:** Nom. length + 56 mm · Nom. depth + 36 mm  
**Add-on rack unit:** Nom. length + 6 mm · Nom. depth + 36 mm

**Shelf load:** from 150 to 200 kg (see table)

#### Note on safety:

Racks with a height/depth ratio  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 47).  
 The shelf/bay loads apply to evenly distributed loads.  
 Bay load data apply to rows of racks in 3 or more bays.



# META QUICK® Protective Equipment Shelving

Order suggestions



4



5



6

## 4 Complete personal protective equipment shelving, galvanised

Description	Height mm	Length mm	Depth mm	Complete rack Item No. €	
<b>consisting of:</b> 3 clinched frames*, 8 shelves with 100 kg shelf load each, clothes hanging rail, fixing accessories	2000	2000	600	■ 91272	

## 5 Personal protective equipments shelving, galvanised

Description	Height mm	Length mm	Depth mm	Basic rack unit Item No. €	Add-on rack unit Item No. €
<b>consisting of:</b> 2 frames (basic rack unit) or 1 frame (add-on rack unit) clinched*, clothes hanging rail and 3 shelves with 100 kg shelf load each, fixing accessories	2000	1000	600	■ 91275	■ 91271

## 6 Basic shelving unit with longitudinal bracing beam, galvanised

Description	Height mm	Length mm	Depth mm	Basic rack unit Item No. €	Add-on rack unit Item No. €
with 5 shelves each with 100 kg shelf load, reinforced by bracing beam, allowing access from either side	2000	1000	600	■ 84519	■ 84531



\*clinched = frame fully pre-assembled

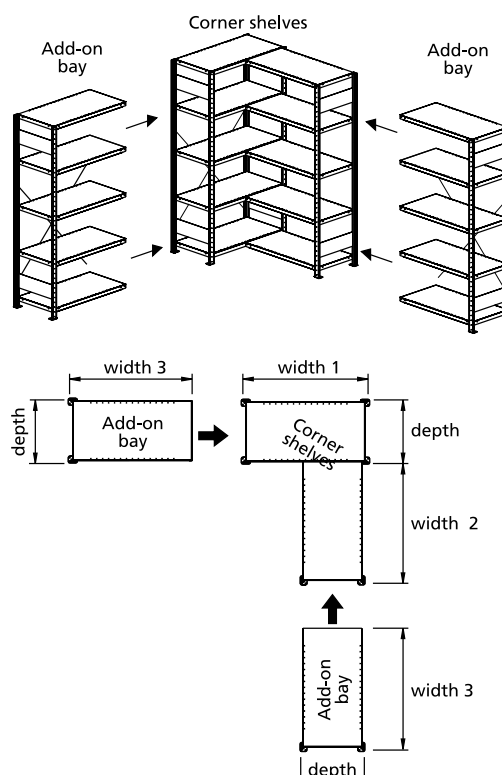
■ on stock

■ two weeks ex works

■ on request

# META QUICK® Boltless Corner Shelving

Order suggestions for corner shelving



- Boltless rack with pre-assembled frame = clinched frame
- Quick boltless mounting without tools
- Reinforcement of the basic unit by bracing beams

- Shelves with 50 mm pitch punch holes for attaching accessories
- Single-row, with diagonal bracing struts attached on rear
- Shelf height adjustable in 25 mm steps

META QUICK® Corner shelving unit · Bay width 1000 mm · Shelf load 100 kg



			Bay load		galvanised		RAL 7035 light grey	
Height	Depth	Number of shelves	Corner rack units	Add-on rack unit	Corner rack units	Add-on rack unit	Corner rack units	Add-on rack unit
mm	mm		kg	kg	Item No.	€	Item No.	€
2000	300	10	1000	1560	97935	1282	97947	67811
2000	400	10	1000	1560	97936	1313	97948	67817
2000	500	10	1000	1560	97937	1350	97949	67823
2000	600	10	1000	1560	97938	1367	97950	67829
2500	300	12	1200	2160	97939	1293	97951	67813
2500	400	12	1200	2160	97940	1317	97952	67819
2500	500	12	1200	2160	97941	1356	97953	67825
2500	600	12	1200	2160	97942	1372	97954	67831
3000	300	14	1400	2020	97943	1303	97955	67815
3000	400	14	1400	2020	97944	1339	97956	67821
3000	500	14	1400	2020	97945	1362	97957	67827
3000	600	14	1400	2020	97946	1376	97958	67833

## Planning dimensions & load data

		Bay loads	
Length 1:	Nom. length + 56 mm	Height	Corner unit
Length 2:	Nom. length + 11 mm		Add-on unit
Length 3:	Nom. length + 6 mm	2000 mm	1000 kg
Depth:	Nom. depth + 36 mm	2500 mm	1200 kg
Shelf load:	100 kg	3000 mm	1400 kg

## Note on safety:

Racks with a height/depth ratio  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 47). The shelf/bay loads apply to evenly distributed loads. Bay load data apply to rows of racks in 3 or more bays.



# META Boltless Parcel Shelving

Parcel shelving = Fully packed unit



Special racks

- **Fully packed units**
- **With split supports** to allow packing for easy transport, optimal for the parcel service or luggage compartment
- **Quick boltless mounting without tools**
- Shelves with 50 mm pitch punch holes for attaching accessories
- Shelf height adjustable in 25 mm steps

## 1 META QUICK® Parcel · Shelf load 150 kg · Galvanised



Height mm	Length mm	Depth mm	Number of shelves	Shelf load kg	Bay load kg	galvanised	
						Basic rack unit Item No. €	Add-on rack unit Item No. €
1800	1000	400	4	150	800	■ 98278	■ 98279

## 2 META COMPACT® Parcel · Shelf load 80 kg · RAL 7035 light grey



Height mm	Length mm	Depth mm	Number of shelves	Shelf load kg	Bay load kg	RAL 7035 light grey	
						Basic rack unit Item No. €	Add-on rack unit Item No. €
1800	1000	300	5	80	800	■ 98280	■ 98281

## 3 META COMPACT® miniParcel · Shelf load 80 kg · RAL 7035 light grey



Height mm	Length mm	Depth mm	Number of shelves	Shelf load kg	Bay load kg	RAL 7035 light grey	
						Basic rack unit Item No. €	Add-on rack unit Item No. €
900	1000	300	3	80	400	■ 98282	■ 98283

fully packed  
for easy  
transport



### Planning dimensions & load data

**Basic rack unit:** Nom. length + 56 mm · Nom. depth + 36 mm  
**Add-on rack unit:** Nom. length + 6 mm · Nom. depth + 36 mm  
**Shelf load:** from 80 to 150 kg (see table)

### Note on safety:

Racks with a height/depth ratio  $\geq 5 : 1$  should be secured to prevent tilting (with wall or floor fixings).  
 The shelf/bay loads apply to evenly distributed loads.  
 Bay load data apply to rows of racks in 3 or more bays.



# META QUICK® Tilted Shelf Rack

## Case studies

Special racks



# META QUICK® S3 Tilted Shelf Rack

Boltless tilted shelf racks complete with mesh dividers



- META QUICK® S3 Rack system **with unassembled frame**, provides particularly high stability and load capacity, shelf load 200 kg on each level
- Particularly suitable for cardboard packed goods, e.g. packets of screws or small parts kept in small storage boxes
- **Quick boltless mounting without tools**
- **6 mesh dividers per shelf are included in the delivery:** the mesh dividers allow tracks to be inserted in steps of 50 mm depending on the size of the stored goods, and can be adapted at any time
- Shelf height adjustable in 25 mm steps
- Includes top shelf for dust protection and additional storage space
- Easier access to the stored goods
- Optimal monitoring of stock levels: It is immediately obvious where stock replenishments are required
- Stored goods such as cartons slide down automatically to the take-out side; angle of inclination 14°
- **Alternatively**, also with 3 shelf dividers (150 mm high) per shelf instead of mesh dividers, and with only 5 shelves



**System S3 = Supplied with frame completely disassembled**

**META QUICK® Tilted shelf rack** · Galvanised · With mesh shelf dividers · Shelf load 200 kg



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	single-sided rack		double-sided rack	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	500	8	1800	■ 95892	■ 95893	■ 96155	■ 96156
2000	1000	800	8	1800	■ 95894	■ 95895	■ 96157	■ 96158

**META QUICK® Tilted shelf rack** · Galvanised · With shelf dividers · Shelf load 200 kg (not illustrated)



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	single-sided rack	
					Basic rack unit Item No. €	Add-on rack unit Item No. €
2000	1000	500	6	1400	■ 96869	■ 96870

## Planning dimensions & load data

### Single-row rack:

**Basic rack unit:** Nom. length + 56 mm · Nom. depth + 36 mm

**Add-on rack unit:** Nom. length + 6 mm · Nom. depth + 36 mm

### Double-row rack:

**Basic rack unit:** Nom. length + 56 mm · 2 x nom. depth + 75 mm

**Add-on rack unit:** Nom. length + 6 mm · 2 x nom. depth + 75 mm

**Shelf load:** 200 kg · **Bay load:** 1.400 kg or 1.800 kg (see table)

## Note on safety:

Racks with a height/depth ratio  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 47).

The shelf/bay loads apply to evenly distributed loads.

Bay load data apply to rows of racks in 3 or more bays.



■ on stock

■ two weeks ex works

■ on request

# META QUICK® S3 Inclined Shelf Rack

## Boltless inclined shelf racks

Special racks



- Quick and easy mounting with disassembled S3 boltless frames
- FIFO principle (First In/First Out):  
The goods stored first are also the first to be taken out. This is especially important for goods with a best-before date
- All of the top level can be used, as there are no lateral struts
- Goods slide practically automatically down the 18° inclined surface to the take-out side
- No transition edges on the shelves in the downward direction
- The small front stop bar allows crates and cartons to be taken out easily
- Shelf heights are adjustable in 25 mm steps
- Lateral guides available on request



**System S3 = Supplied with frame completely disassembled**

## META CLIP® S3 Inclined Shelf Rack



Height mm	Width mm	Depth mm	Number of levels	Shelf load kg	Bay load kg	galvanised			
						Basic rack unit		Add-on rack unit	
						Item No.	€	Item No.	€
2000	1000	1228	4	200	1200	■ 91074		■ 91075	
2000	1300	1228	4	200	1200	■ 91078		■ 91079	
						Additional shelf level, galvanised			
50	1000	1228	1	200		■ 91077			
50	1300	1228	1	200		■ 91076			

### Accessories: lateral guide rail

Description	galvanised Item No. €
as lateral guides for the crates, 2 guide rails can be inserted per shelf (price per piece).	■ 86502

### Planning dimensions & load data

<b>Basic rack unit:</b>	Nom. length + 56 mm overall
<b>Add-on unit:</b>	Nom. length + 6 mm overall
	Frame depth: 1,228 mm overall
<b>Shelf load:</b>	200 kg
<b>Bay load:</b>	1.200 kg

### Note on safety:

Racks with a height/depth ratio  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 47).  
The shelf/bay loads apply to evenly distributed loads.  
Bay load data apply to rows of racks in 3 or more bays.



# META MINI-RACK® Wide Span Racks

Order picking pallet rack



- Basic units are based on the proven META MINI-RACK® quality rack system
- **Good price-quality ratio**
- **8 roller tracks per level** – adjustable in 6 mm steps
- Roller tracks can be separated flexibly with the available **additional guide rails**, to adapt to the size of goods
- **All of the top level can be used**, as there are no lateral struts
- Goods slide automatically over the roller tracks down to the take-out side
- Shelf heights are adjustable in 50 mm steps
- The small front stop bar allows crates and cartons to be taken out easily



For suitable transport/stackable crates, see Page 70.

## META MINI-RACK® Feeder Racks



Height mm	Length mm	Depth mm	Number of levels	Shelf load kg	Bay load kg	galvanised			
						Basic rack unit		Add-on rack unit	
						Item No.	€	Item No.	€
2200	1300	1300	4	200	2000	91080		91081	
						Additional shelf level, galvanised			
70	1300	1300	1	200		91082			

### 1 Accessories: Guide rail (separator)

Description	galvanised	
	Item No.	€
Guide rail for roller track, to divide shelf levels (adjustable in 6 mm steps)	90894	

### Planning dimensions & load data

**Basic rack unit:** Nom. length + 107 mm  
**Add-on rack unit:** Nom. length + 51 mm  
 Frame depth: 1,300 mm overall

**Shelf load:** 200 kg  
**Bay load:** 1.200 kg

### Note on safety:

Racks with a height/depth ratio  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 94).  
 The shelf/bay loads apply to evenly distributed loads.  
 Bay load data apply to rows of racks in 3 or more bays.



# META MULTILINE® L Order Picking Shelving

**NEW**

## System description

Special racks



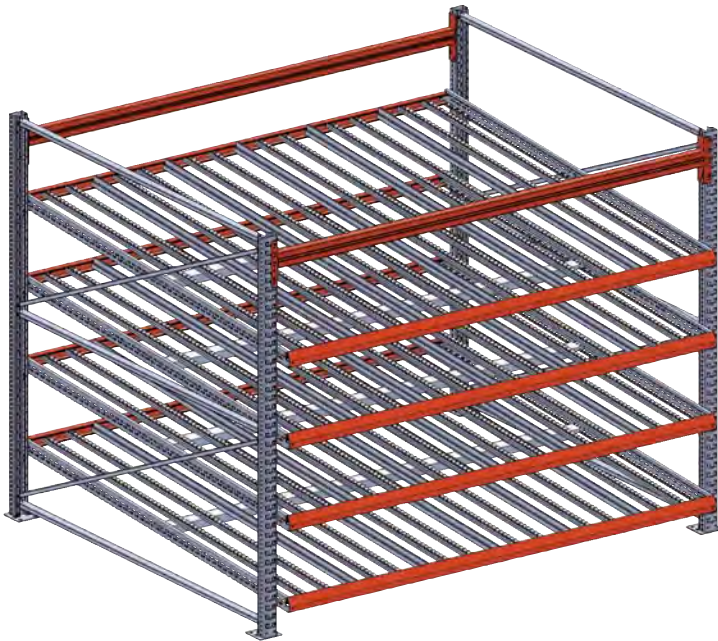
### Advantages at a glance:

- Basic units are based on the proven META MULTIPAL® S pallet rack system
- **Simple setup** – the feed-through racks are mounted in the key holes **without** adapters
- Different shelf loads possible
- **Number of channels** per level is variable and the number of roller strips can be adapted to the charge carrier
- Adjustable for **different sizes of crate**
- **Feed-through frame** in straight design or with order picking tray
- **flexible attachment of the flow-through frames** adjustable in 12.5 mm steps
- **Rollers with steel spindles**, roller strips individually adjustable using the robust comb profile support
- **Surfaces** of uprights, side plates and small parts are galvanised, front and back plates of the feed-through frames and beams are painted with RAL 2001 red-orange

... if interested, we would be pleased to advise you and make you an individual offer tailored to your particular needs!

# META MULTILINE® L Order Picking Shelving

## System description



### Possible variants in standard dimensions:

- Rack heights:
  - 2.200 mm with 4 levels
  - 2.700 mm with 5 levels
- Shelf depths:  
1.250, 2.450 mm
- Shelf widths:  
1.400, 1.800, 2.200, 2.700 mm
- Other heights + depths can be made on request



Roller strips and separator rails are individually adjustable



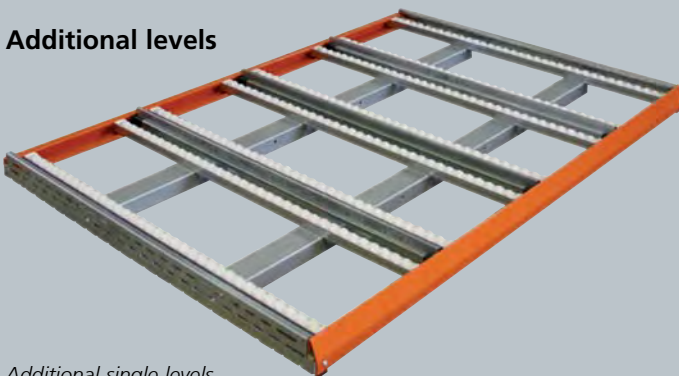
Rollers are made of high-quality plastic with robust steel spindles



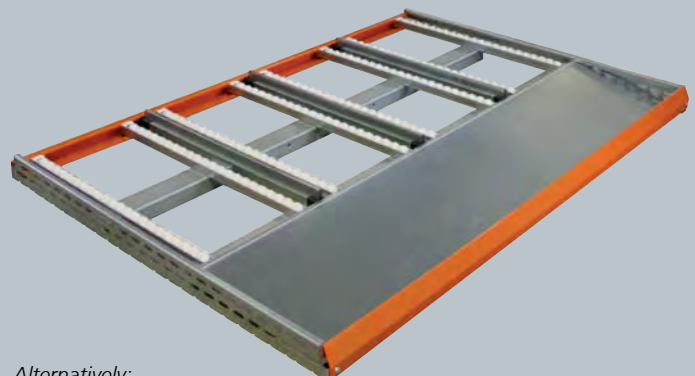
Basic units are based on the proven META MULTIPAL® S pallet rack system

Special racks

### Additional levels



Additional single levels available

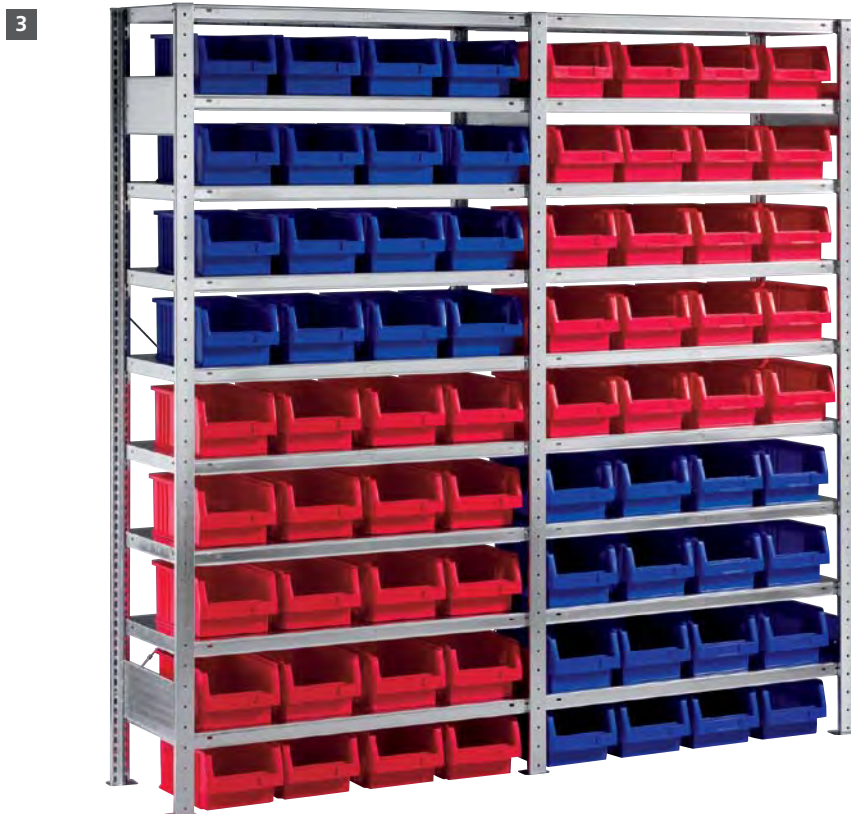


Alternatively:  
Additional levels with  
order picking tray

# META QUICK® S3 Boltless Shelving



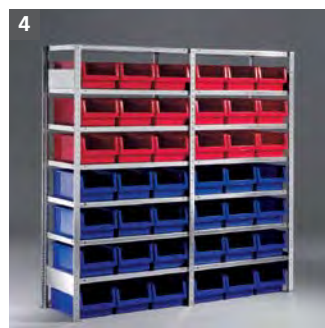
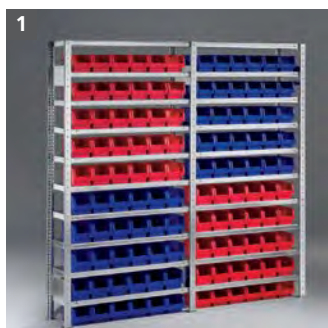
Suggested orders, complete with storage bins



- the storage bins are made of polypropylene and meet the requirements of food legislation
- **disassembled, completely boltless META QUICK® S3 frames**
- those shown in the illustrations each have 1 basic and 1 add-on rack unit



**System S3 = Supplied with frame completely disassembled**



## Complete rack · Galvanised · With storage bins

Height mm	Length mm	Depth mm	Number of shelves	Fitted with	galvanised			
					Basic rack unit		Add-on rack unit	
					Item No.	€	Item No.	€
2000	1000	300	10	<b>1</b> 30 Units PLK 3 blue (230 x 150 x 125)	<b>90231</b>		<b>90232</b>	
				30 Units PLK 3 red (230 x 150 x 125)				
2000	1000	400	7	<b>2</b> 12 Units PLK 2a blue (330 x 213 x 200)	<b>90233</b>		<b>90234</b>	
				16 Units PLK 2a red (330 x 213 x 200)				
2000	1000	400	9	<b>3</b> 16 Units PLK 2 blue (330 x 213 x 150)	<b>90235</b>		<b>90236</b>	
				20 Units PLK 2 red (330 x 213 x 150)				
2000	1000	500	7	<b>4</b> 12 Units PLK 1 blue (500 x 315 x 200)	<b>90237</b>		<b>90238</b>	
				9 Units PLK 1 red (500 x 315 x 200)				
2000	1000	500	9	<b>5</b> 12 Units PLK 1c blue (500 x 315 x 150)	<b>90239</b>		<b>90240</b>	
				15 Units PLK 1c red (500 x 315 x 150)				

### Planning dimensions & load data

**Basic rack unit:** Nom. length + 56 mm · Nom. depth + 36 mm  
**Add-on rack unit:** Nom. length + 6 mm · Nom. depth + 36 mm  
**Shelf load:** 100 kg  
**Bay load:** 1.100 kg

### Note on safety:

Racks with a height/depth ratio  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 47).  
 The shelf/bay loads apply to evenly distributed loads.  
 Bay load data apply to rows of racks in 3 or more bays.



# META SPEED-RACK® Wide-Span Shelving

Suggested orders, complete with transport/stackable crates



- Basic design allows variable adjustment
- Height of shelf levels adjustable in 50 mm steps
- Stepped beams in longitudinal and depth directions
- All-round edge protection
- 2 supports under the shelf
- Stackable transport crates are made of polypropylene and meet the requirements of food legislation

## ■ Scope of delivery:

**Rack:** 4 uprights, 16 / 20 stepped beams, 8 / 10 A-supports, 4 clip-in feet, 4 levelling plates, 4 / 5 chipboards/ shelves,

+ **European standard red stackable crates** as shown in table



## Suggested orders for META SPEED-RACK® galvanised

Height mm	Width mm	Depth mm	Number of shelves	Rack	Shelf load kg	Bay load kg	galvanised Complete rack Item No. €
1970	2500	400	5	<b>1 Rack 1:</b> with 40 transport crates, 400 x 300 x 210 mm	400	2800	<b>86995</b>
1970	2500	600	5	<b>2 Rack 2:</b> with 30 transport crates, 600 x 400 x 210 mm	400	2800	<b>87005</b>
1970	1700	600	4	<b>3 Rack 3:</b> with 16 transport crates, 600 x 400 x 320 mm	500	3000	<b>87006</b>

### Planning dimensions & load data

**Nominal dimensions = Actual dimensions**

**Shelf load:** 400 and 500 kg (as shown in table)

**Bay load:** 2.800 kg and 3.000 kg (as shown in table)

### Note on safety:

Racks with a height/depth ratio  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 85).

The shelf/bay loads apply to evenly distributed loads.

# Stackable Transport Crates

for racks with roller tracks



- **Stackable transport crates made of polypropylene**
- For roller track shelves, meeting the requirements of the food legislation
- Crate sizes correspond to pallet dimensions 1.200 x 800 mm and are suitable for roller tracks
- **Colour: blue**, other colours such as red, green, yellow and grey available on request
- Sealed walls and base

## Stackable transport crates made of polypropylene, colour blue

Length mm	Width mm	Height mm	Crate No.	Inside dimensions	Crate	
				Length x Width x Height mm	Item No.	€
600	400	320	1	551 x 352 x 305	91494	
600	400	145	2	551 x 352 x 133	42688	
400	300	270	3	356 x 255 x 255	42692	
600	400	270	4	551 x 352 x 255	42686	
800	600	210	5	740 x 545 x 200	91495	
400	300	120	6	356 x 255 x 110	91492	
400	300	145	7	356 x 255 x 133	42694	
600	400	120	8	551 x 352 x 110	91493	



- Sturdy META QUICK® S3 rack system **with disassembled frame**
- **Trough shelves with manufacturer's declaration of conformity:** suitable for storing WGK 1-3 water-hazardous fluids and F / F+ combustible fluids
- **Collecting capacity 28 litres per shelf, Type 1**
- **Collecting pan with manufacturer's declaration of conformity:** Type 2 3 suitable for holding WGK 1-3 water-hazardous fluids and F / F+ combustible fluids, collecting capacity 45 litres

- **Quick boltless mounting without tools**
- Shelves with 50 mm pitch punch holes for attaching accessories (applies to rack 3 only)
- Shelf height adjustable in 25 mm steps



**System S3 = Supplied with frame completely disassembled**

### 1 META QUICK® 150 S3 boltless rack system with trough shelves + top shelf



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		galvanised	
					Basic rack unit Item No.	€	Add-on rack unit Item No.	Additional shelf Item No.
2000	1000	500	5	1100	176632		176633	176637



### 2 META QUICK® 150 S3 boltless rack system with grating shelves + top shelf + trough



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised		galvanised	
					Basic rack unit Item No.	€	Additional shelf Item No.	€
2000	1000	500	5	800	176634		176636	



### 3 META QUICK® 150 S3 boltless rack system with 150 kg shelves + trough



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	galvanised	
					Basic rack unit Item No.	€
2000	1000	500	5	800	176635	

#### Planning dimensions & load data

**Basic rack unit:** Nom. length + 56 mm · Nom. depth + 36 mm  
**Add-on rack unit:** Nom. length + 6 mm · Nom. depth + 36 mm  
 (dimensional data apply without collecting pan)  
**Shelf load:** 150 kg  
**Bay load:** 800 and 1.100 kg (see table)

#### Note on safety:

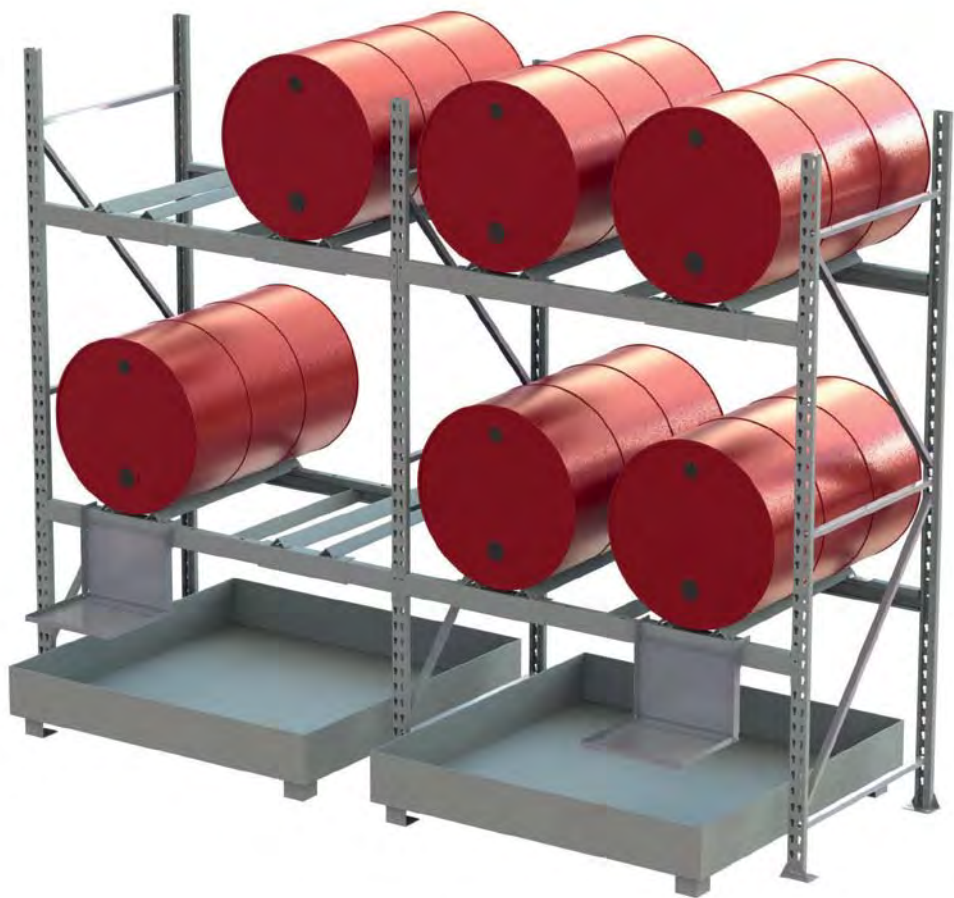
**Applies to rack 1 only:**  
 Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 47).  
 The shelf/bay loads apply to evenly distributed loads.  
 Bay load data apply to rows of racks in 3 or more bays.



# META MINI-RACK® Wide Span Shelving

## Suggested orders for drum shelving

Special racks



- Consisting of disassembled frame and 2 pairs of beams each
- The pairs of beams can be adjusted in steps of 50 mm
- Suitable for indoor installation only
- Manufacturer's declaration of conformity as described in Building Regulations List A Part 1, DIBt
- Pan collecting capacity 230 litres
- Collecting pan design: 3 mm steel sheet, hot-dip galvanised as described in DIN EN ISO 1461, with support stands, ground clearance 100 mm
- Suitable for:
  - combustible fluids with F / F+ hazard symbols
  - WGK 1-3 class water-hazardous fluids
  - max. density of fluids 1.9 kg/l

- **Scope of supply of basic rack unit:** 2 frames (disassembled), 2 pairs of beams, 4 drum holders, 1 oil collecting pan, 1 can holder
- **Scope of supply of add-on unit:** 1 frame (disassembled), 2 pairs of beams, 4 drum holders, 1 oil collecting pan, 1 can holder



### META MINI-RACK® drum rack, galvanised · for 4 drums of 200 litres each, galvanised surface, with spill collecting pan

Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	with collecting pan 1200 x 1200 x 285 mm			
					Basic rack unit		Add-on rack unit	
					Item No.	€	Item No.	€
2200	1400	800	2	1200	68534		68535	

#### 1 Drum holder

Description	Item No.	€
galvanised, for 800 mm depth	42613	

#### 2 Can holder

Description	Item No.	€
galvanised, can be disassembled	68528	

#### Planning dimensions & load data

**Basic rack unit:** Nom. length + 107 mm  
**Add-on rack unit:** Nom. length + 51 mm

#### Note on safety:

Racks with a height/depth ratio  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 94).  
The shelf/bay loads apply to evenly distributed loads.  
Bay load data apply to rows of racks in 3 or more bays.





### Page

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META COMPACT® bolted office shelves  
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META COMPACT® boltless office shelves  
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META MULTIBLOC®  
mobile shelving  
78 – 79

Office shelf units

## to keep order in rank and file...

- **META COMPACT® Office shelving** blend harmoniously with any office environment
- **Quality:** the shelves are made of galvanised quality steel sheet for constant use and high holding capacity, available with competitively priced galvanised surface or additionally with impact-resistant powder coating in light grey (RAL 7035)
- **Shelf height adjustable in 25 mm steps** for variable adjustment to the size of stored goods
- **Individually adaptable** to your office environment with various shelf heights and widths
- **Dimensional variants:**
  - Standard rack height: 1.850, 2.200, 2.500 mm
  - Standard shelf depth: 300, 600 mm
  - Standard width: 1.000 mm
- **Individual shelf loads:** 80 to 100 kg<sup>1)</sup>
- **Surface:** Pre-galvanised or additional plastic coating in RAL 7035 light grey
- **META COMPACT® Office shelving – in boltless and bolted variants**
  - Bolted racks** – the 'classic' shelf unit, which is the cost-effective supplement to any office environment. They are easy to assemble, the brackets provide high stability and their impact-resistant powder coating ensures a long useful life.
  - Bolted racks** – quick and easy to assemble without tools. Simply piece them together, and they're ready! Also available as wall cabinets. The system offers various storage space and layout options and is therefore perfect for use in the office, master office or archive.



**The entire range can be found in the META office shelf catalogue. We would be pleased to send you one – just call us!**



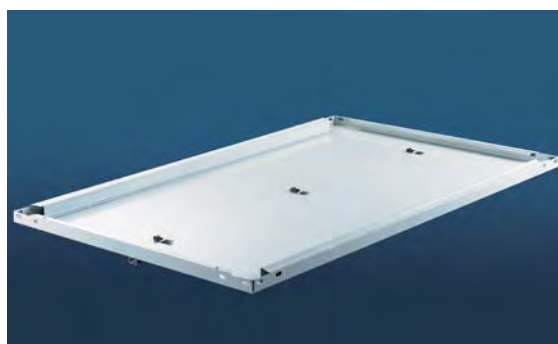
<sup>1)</sup> with evenly distributed load

<sup>2)</sup> Bay load data apply to rows of racks in 3 or more bays

# META COMPACT® Bolted Office Shelving



## Order suggestions



- **Low-cost quality bolted shelves, the classic shelf unit** for permanent installation of individual shelf bays or rows
- **Easy to assemble:** bolted together completely from the outside using an Allen key
- **Simplified assembly** using brackets with integrated thread and lens flange head screws (hexagon socket)
- **Important!!!** With every META COMPACT® basic shelf unit, you receive one Allen key (6-point) free.
- **Shelves complete with end/centre stop** (top shelves do not have the end/centre stop)
- **Shelves/profiles** made of quality steel, shelves adjustable in 25 mm steps
- All META COMPACT® office shelves **with steel feet for floor-fixing**
- **Scope of supply of basic rack unit:** 4 angle sections with steel feet and brackets, shelves as shown in table, mounting accessories  
**Add-on shelf unit:** as for basic unit but with 2 angle sections

### Planning dimensions & load data

**Basic shelf unit:** Nom. length + 4 mm · Nom. depth + 4 mm  
**Add-on shelf unit:** Nom. length + 2 mm · Nom. depth + 4 mm  
**Shelf load:** from 70 to 100 kg

### Note on safety:

The single-sided shelf unit must be secured to prevent tilting, as the shelf height is more than 5 times the shelf depth.  
 The shelf/bay loads apply to evenly distributed loads with at least 3 bays.



# META COMPACT® Bolted Office Shelving

Order suggestions

## Bolted office shelf units without top shelf · single-sided

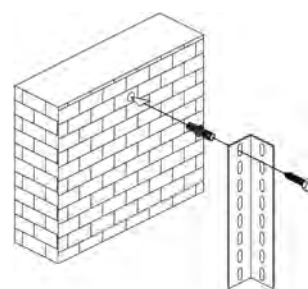
Height mm	Length mm	Depth mm	Number of shelves	Box folder capacity	galvanised		RAL 7035 light grey	
					Basic shelf unit Item No. €	Add-on shelf unit Item No. €	Basic shelf unit Item No. €	Add-on shelf unit Item No. €
1850	750	300	5	45	74628	74633	74668	74676
1850	1000	300	5	60	65876	65880	65878	65882
1850	1250	300	5	75	74691	74699	74711	74719
2200	750	300	6	54	79334	79336	79361	79367
2200	1000	300	6	72	79338	79339	79369	79370
2200	1250	300	6	90	79343	79346	79373	79375
2500	750	300	7	63	177950	177951	177956	177957
2500	1000	300	7	84	177952	177953	177958	177959
2500	1250	300	7	105	177954	177955	177960	177961
Top shelf galvanised					Top shelf RAL 7035			
25	750	300	1		95844		95847	
25	1000	300	1		95845		95848	
25	1250	300	1		95846		95849	

## Bolted office shelf units without top shelf · double-sided

Height mm	Length mm	Depth mm	Number of shelves	Box folder capacity	galvanised		RAL 7035 light grey	
					Basic shelf unit Item No. €	Add-on shelf unit Item No. €	Basic shelf unit Item No. €	Add-on shelf unit Item No. €
1850	750	600	5	90	74637	74641	74672	74680
1850	1000	600	5	120	65877	65881	65879	65883
1850	1250	600	5	150	74695	74703	74715	74723
2200	750	600	6	108	79348	79350	79377	79378
2200	1000	600	6	144	79353	79354	79381	79382
2200	1250	600	6	180	79357	79359	79386	79388
2500	750	600	7	126	177962	177963	177968	177969
2500	1000	600	7	168	177964	177965	177970	177971
2500	1250	600	7	210	177966	177967	177972	177973
Top shelf galvanised					Top shelf RAL 7035			
25	750	600	1		95850		95853	
25	1000	600	1		95851		95854	
25	1250	600	1		95852		95855	

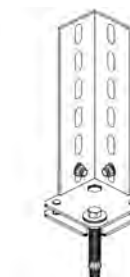
## Wall mounting kit

Description	galvanised Item No. €
quantity required: 2 pieces for basic unit, 1 pieces for add-on unit	71965



## Floor fixing kit

Description	galvanised Item No. €
quantity required: 4 pieces for basic unit, 2 pieces for add-on unit	80051



The entire META COMPACT® range can be found in the META office shelf catalogue! Please contact us!

■ on stock

■ two weeks ex works

■ on request

# META COMPACT® Boltless Office Shelving



Order suggestions



Office shelf units



- **Low-cost META COMPACT®**  
with disassembled frame (S3), galvanised  
with clinched, pre-assembled frame, RAL 7035 coated
- **Quick boltless mounting without tools**
- **Reinforcement of the double unit** by bracing beams
- **Shelves complete with end/centre stop**  
(top shelves do not have the end/centre stop)
- **Shelves/profiles** made of quality steel, shelves adjustable in 25 mm steps
- All META COMPACT® office shelves **with steel feet for floor-fixing**

- **Scope of supply of basic shelf unit:** 2 frames with steel feet, shelves as shown in table, mounting accessories  
**Add-on unit:** as for basic unit but with 1 frame

## Planning dimensions & load data

**Basic shelf unit:** Nom. length + 56 mm · Nom. depth + 36 mm  
**Add-on shelf unit:** Nom. length + 6 mm · Nom. depth + 36 mm  
**Shelf load:** from 80 to 100 kg

## Note on safety:

The single-sided shelf unit must be secured to prevent tilting, as the shelf height is more than 5 times the shelf depth.  
 The shelf/bay loads apply to evenly distributed loads with at least 3 bays.



# META COMPACT® Boltless Office Shelving

Order suggestions

## META COMPACT® S3 boltless office shelves without top shelf · single/double-sided · galvanised

(S3 = with frame completely disassembled)

Height mm	Length mm	Depth mm	Number of shelves	Box folder capacity	single-sided <sup>1)</sup>		double-sided <sup>2)</sup>	
					Basic shelf unit Item No. €	Add-on shelf unit Item No. €	Basic shelf unit Item No. €	Add-on shelf unit Item No. €
1850	750	300/600	5	45 / 90	■ 177996	■ 177997	■ 178014	■ 178015
1850	1000	300/600	5	60 / 120	■ 177998	■ 177999	■ 178016	■ 178017
1850	1250	300/600	5	75 / 150	■ 178000	■ 178001	■ 178018	■ 178019
2200	750	300/600	6	54 / 108	■ 178002	■ 178003	■ 177362	■ 177363
2200	1000	300/600	6	72 / 144	■ 178004	■ 178005	■ 177364	■ 177365
2200	1250	300/600	6	90 / 180	■ 178006	■ 178007	■ 177366	■ 177367
2500	750	300/600	7	63 / 126	■ 178008	■ 178009	■ 177368	■ 177369
2500	1000	300/600	7	84 / 168	■ 178010	■ 178011	■ 177370	■ 177371
2500	1250	300/600	7	105 / 210	■ 178012	■ 178013	■ 177372	■ 177373
Top shelf galvanised					Top shelf galvanised			
25	750	300/600	1		■ 95856		■ 95862	
25	1000	300/600	1		■ 95857		■ 95863	
25	1250	300/600	1		■ 95858		■ 95864	

## META COMPACT® boltless office shelves without top shelf · single/double-sided · RAL 7035 light grey

(clinched frame = pre-assembled frame)

Height mm	Length mm	Depth mm	Number of shelves	Box folder capacity	single-sided <sup>1)</sup>		double-sided <sup>2)</sup>	
					Basic shelf unit Item No. €	Add-on shelf unit Item No. €	Basic shelf unit Item No. €	Add-on shelf unit Item No. €
1850	750	300/600	5	45 / 90	■ 77627	■ 77628	■ 77642	■ 77643
1850	1000	300/600	5	60 / 120	■ 77634	■ 77635	■ 77646	■ 77647
1850	1250	300/600	5	75 / 150	■ 77638	■ 77639	■ 77650	■ 77651
2200	750	300/600	6	54 / 108	■ 83157	■ 83160	■ 83184	■ 83185
2200	1000	300/600	6	72 / 144	■ 83161	■ 83162	■ 83186	■ 83187
2200	1250	300/600	6	90 / 180	■ 83163	■ 83164	■ 83188	■ 83189
2500	750	300/600	7	63 / 126	■ 178020	■ 178021	■ 178026	■ 178027
2500	1000	300/600	7	84 / 168	■ 178022	■ 178023	■ 178028	■ 178029
2500	1250	300/600	7	105 / 210	■ 178024	■ 178025	■ 178030	■ 178031
Top shelf RAL 7035					Top shelf RAL 7035			
25	750	300/600	1		■ 95859		■ 95865	
25	1000	300/600	1		■ 95860		■ 95866	
25	1250	300/600	1		■ 95861		■ 95867	

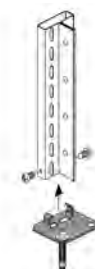
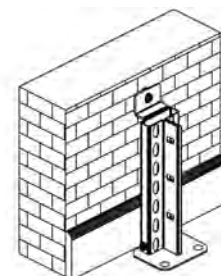
<sup>1)</sup> single-sided shelf units: Reinforced with diagonal struts on the back <sup>2)</sup> double-sided shelf units: Reinforced with bracing beams

### Wall mounting kit

Description	galvanised Item No. €
quantity required:	■ 72432
2 pieces for basic unit, 1 pieces for add-on unit	

### Floor fixing kit

Description	galvanised Item No. €
quantity required:	■ 80051
4 pieces for basic unit, 2 pieces for add-on unit	

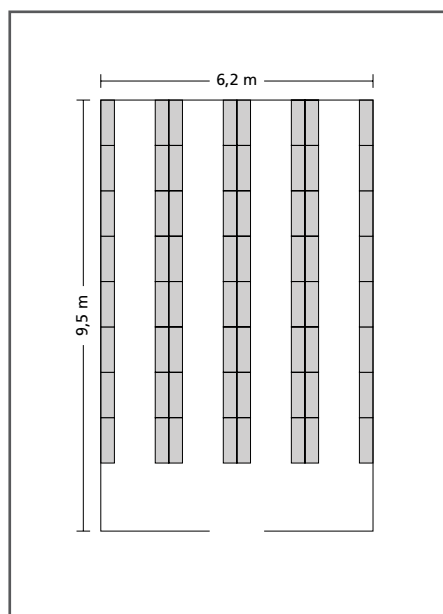


The entire META COMPACT® range can be found in the META office shelf catalogue! Please contact us!

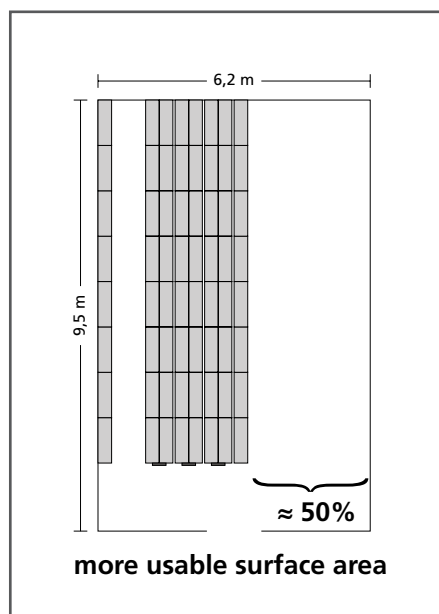
## Suggested Orders for Mobile Shelving

### Advantages at a glance:

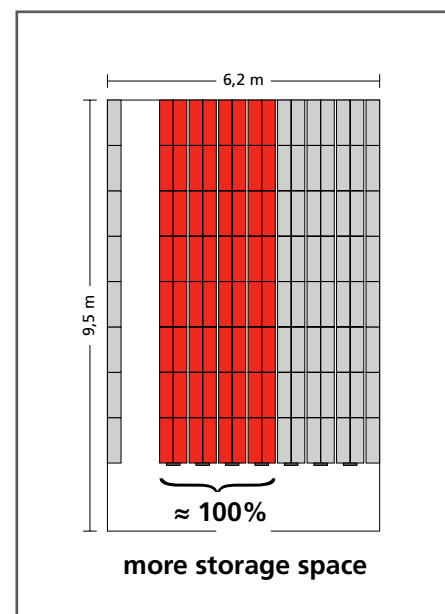
- **100% increase in storage capacity**
- More efficient use of surface areas with potential space-saving of up to 50%
- Lower storage space costs compared with conventional shelf units
- Better access to individual places while making maximum use of space
- RAL/GS symbols
- Rails and chipboard cover included
- Manual operation
- Reduction gear 1:3000
- **Assembly and carriage charges are calculated separately**  
We would be pleased to adapt this shelf system to your individual needs!
- Delivery time about 4 weeks after technical review



Conventional shelf unit



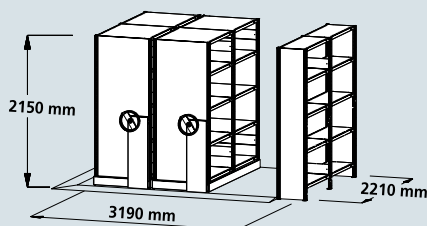
META MULTIBLOC® mobile shelving



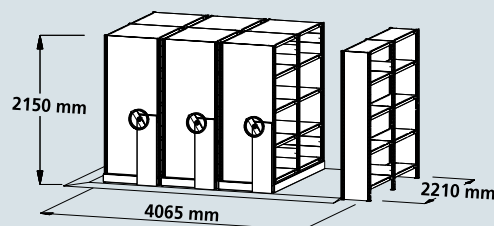
META MULTIBLOC® mobile shelving

### Suggested orders for industry

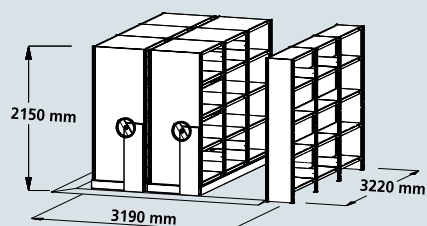
5 shelf levels with top shelf, vehicle RAL 7035 light grey, shelves galvanised, (plain frame RAL 7035 light grey)



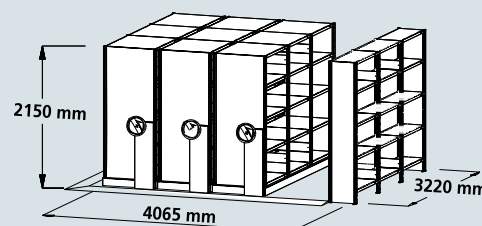
Capacity	Load per shelf	Item No.	€
40 m shelf 400 deep	150 kg	■ 176770	



Capacity	Load per shelf	Item No.	€
56 shelf 400 deep	150 kg	■ 176771	



Capacity	Load per shelf	Item No.	€
60 shelf 400 deep	150 kg	■ 176772	



Capacity	Load per shelf	Item No.	€
84 shelf 400 deep	150 kg	■ 176773	

**NEW**

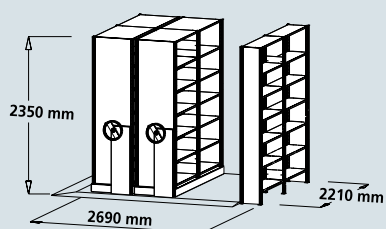
# META MULTIBLOC® Mobile Shelving



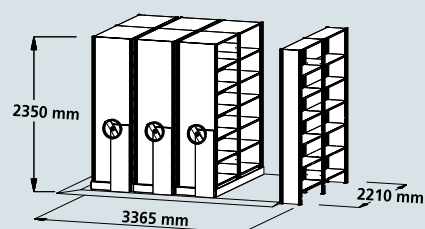
Office shelf units

## Order suggestions for archives

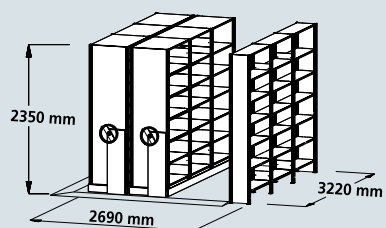
7 shelf levels with top shelf, vehicle RAL 7035 light grey, shelves RAL 7035 light grey



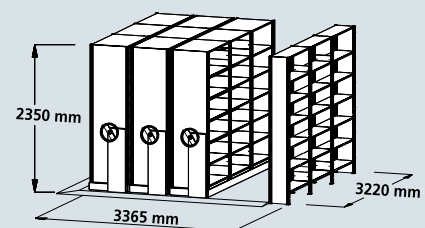
Capacity	Load per shelf	Item No.	€
720 folder (8 cm back) 300 deep	80 kg	■ 176766	



Capacity	Load per shelf	Item No.	€
1008 folder (8 cm back) 300 deep	80 kg	■ 176767	



Capacity	Load per shelf	Item No.	€
1080 folder (8 cm back) 300 deep	80 kg	■ 176768	



Capacity	Load per shelf	Item No.	€
1512 folder (8 cm back) 300 deep	80 kg	■ 176769	

# META SPEED-RACK® Wide Span Racks

## Case studies



*META SPEED-RACK® wide span rack – multiple applications, as shoe cupboard, ...*



*... catalogue store in a minimum of space,  
or practical packing table for goods shipment*

# META SPEED-RACK® Wide Span Racks

The boltless wide-span rack



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META SPEED-RACK® wide-span racks  
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META SPEED-RACK® wide-span racks  
with chipboard shelves  
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META SPEED-RACK® accessories  
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META SPEED-RACK®  
wide-span shelving  
Packing table  
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## for large, bulky & heavy objects ...

- **Simple design wide-span rack** with equal-sided, symmetrical angle sections
- **Simple to assemble** with boltless mounting
- **Variable positioning** due to the basic design, which is particularly user-friendly at the planning and development stage
- **All-round edge protection** of the shelves, which are countersunk in the stepped beam
- **Shelf levels height-adjustable** in 50 mm steps
- **Stepped beam** in longitudinal and depth directions
- **Two supports** under each shelf
- **Floor anchoring** possible with clip-in metal foot plates

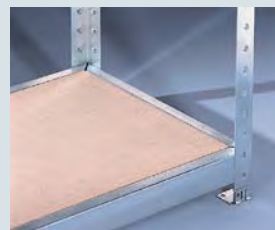
### ■ Dimensional variants:

Standard rack height: 1.970, 2.470, 2.970 mm  
Standard shelf depth: 400, 600, 800 mm  
Standard width: 1.700, 2.000, 2.500 mm

- **Individual shelf loads:** up to 500 kg<sup>1)</sup>  
**Bay loads:** up to 3.000 kg<sup>1) 2)</sup>

- **Profile and beam surfaces:** galvanised

### with chipboard



### with steel panels



<sup>1)</sup> with evenly distributed load

<sup>2)</sup> Bay load data apply to rows of racks in 3 or more bays

# META SPEED-RACK® Wide Span Racks

## Suggested Orders with Steel Panels



- **Complete rack with steel panel shelf**
- **Simple design wide-span rack** with equal-sided, symmetrical angle sections
- **Simple to assemble** with boltless mounting
- **Variable positioning** due to the basic design
- **All-round edge protection** of the shelves, which are countersunk in the stepped beam
- **Shelf levels height-adjustable** in 50 mm steps
- **Stepped beam** in longitudinal and depth directions
- **Two supports** under each shelf

### ■ Item No. 87021

#### **META SPEED-RACK® basic rack unit, galvanised**

outside dimensions (H x L x D)

1.970 x 2.000 x 400 mm

with 4 steel panel shelves

as illustrated (without decoration)

### Planning dimensions & load data

**Planning dimensions:** Nominal dimensions = Actual dimensions  
Assembly with basic rack unit only

**Bay load:** up to 3.000 kg

**Shelf load:** up to 500 kg max.

### Note on safety:

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 85).

The shelf/bay loads apply to evenly distributed loads.



**For the META SPEED-RACK® range of accessories, see Page 85**

# META SPEED-RACK® Wide Span Racks

## Suggested Orders with Steel Panels

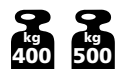


- **Complete rack with steel panels**
- **Surface:** Profiles and beams galvanised
- **Simple design wide-span rack** with equal-sided, symmetrical angle sections
- **Simple to assemble** with boltless mounting
- **Variable positioning** due to the basic design
- **All-round edge protection** of panel shelves by countersinking in the stepped beam
- **Shelf levels height-adjustable** in 50 mm steps
- **Stepped beam** in longitudinal and depth directions
- **Two supports** under each shelf



- **Scope of delivery for complete rack units:**
  - 8 A-supports
  - 4 uprights
  - 8 stepped beams in longitudinal direction
  - 8 stepped beams in depth direction
  - 4 clip-on feet
  - 4 levelling plates
  - Steel panels for all shelf levels

### META SPEED-RACK® complete rack units with steel panels



Height mm	Depth mm	Number of shelves	Length 1700 mm		Length 2000 mm		Length 2500 mm	
			Shelf load 500 kg		Shelf load 500 kg		Shelf load 400 kg	
			Item No.	€	Item No.	€	Item No.	€
1970	400	4	■ 87012		■ 87021		■ 87031	
1970	600	4	■ 87013		■ 87022		■ 87032	
1970	800	4	■ 87014		■ 87023		■ 87033	
2470	400	4	■ 87015		■ 87024		■ 87034	
2470	600	4	■ 87016		■ 87025		■ 87035	
2470	800	4	■ 87017		■ 87026		■ 87036	
2970	400	4	■ 87018		■ 87028		■ 87037	
2970	600	4	■ 87019		■ 87029		■ 87038	
2970	800	4	■ 87020		■ 87030		■ 87039	

#### Planning dimensions & load data

**Planning dimensions:** Nominal dimensions = Actual dimensions  
Assembly with basic rack unit only

**Bay load:** up to 2.800 kg (for length 2.500 mm) and  
up to 3.000 kg (for length 1.700 and 2.000 mm)

**Shelf load:** up to 400 and 500 kg

#### Note on safety:

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 85).

The shelf/bay loads apply to evenly distributed loads.



For the META SPEED-RACK® range of accessories, see Page 85

■ on stock

■ two weeks ex works

■ on request

# META SPEED-RACK® Wide Span Racks

## Suggested Orders with Chipboards



- **Complete rack with chipboards**
- **Simple design wide-span rack** with equal-sided, symmetrical angle sections
- **Simple to assemble** with boltless mounting
- **Variable positioning** due to the basic design
- **All-round edge protection** of wooden shelves by countersinking in the stepped beam
- **Shelf levels height-adjustable** in 50 mm steps
- **Stepped beam** in longitudinal and depth directions
- **Two supports** under each shelf
- **Surface:** Profiles and beams galvanised
- **The 1700 mm rack length** is especially suitable for storing stackable crates
- **Chipboard 19 mm**
- **Scope of delivery for complete rack units:**
  - 4 uprights
  - 8 stepped beams in longitudinal direction
  - 8 stepped beams in depth direction
  - 8 A-supports
  - 4 clip-on feet
  - 4 levelling plates
  - 4 chipboards

### META SPEED-RACK® complete rack units with chipboard



Height mm	Depth mm	Number of shelves	Length 1700 mm		Length 2000 mm		Length 2500 mm	
			Shelf load 500 kg		Shelf load 500 kg		Shelf load 400 kg	
			Item No.	€	Item No.	€	Item No.	€
1970	400	4	■ 87052		■ 81116		■ 81125	
1970	600	4	■ 87053		■ 81117		■ 81126	
1970	800	4	■ 87589		■ 81118		■ 81127	
2470	400	4	■ 87054		■ 81119		■ 81128	
2470	600	4	■ 87055		■ 81120		■ 81129	
2470	800	4	■ 87590		■ 81121		■ 81130	
2970	400	4	■ 87056		■ 81122		■ 81131	
2970	600	4	■ 87057		■ 81123		■ 81132	
2970	800	4	■ 87591		■ 81124		■ 81133	

#### Planning dimensions & load data

**Planning dimensions:** Nominal dimensions = Actual dimensions  
Assembly with basic rack unit only

**Bay load:** up to 2.800 kg (for length 2.500 mm) and  
up to 3.000 kg (for length 1.700 and 2.000 mm)

**Shelf load:** up to 400 to 500 kg

#### Note on safety:

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 85).  
The shelf/bay loads apply with evenly distributed loads.



For the META SPEED-RACK® range of accessories, see Page 85

# META SPEED-RACK® Wide Span Racks

Range of Parts / Accessories

## 1 Upright section = 50 x 50 mm

Description	Height mm	galvanised Item No.	€
Surface galvanised	1970	80901	
	2470	80902	
	2970	80903	

## 2 Stepped beam

Description	Depth mm	galvanised Item No.	€
Surface galvanised	400	80904	
Height 70 mm	600	80905	
	800	80906	
	1700	85900	
	2000	80907	
	2500	80908	

## 3 A-support

Description	Depth mm	galvanised Item No.	€
Surface galvanised	400	80909	
2 pieces required per level	600	80910	
	800	80911	

## 4 Clip-in foot

Description	galvanised Item No.	€
Surface galvanised	80912	

## 5 Levelling plate for steel foot

Description	galvanised Item No.	€
Levelling plate 2 mm, galvanised	73581	

## 6 Connector for joining a number of racks

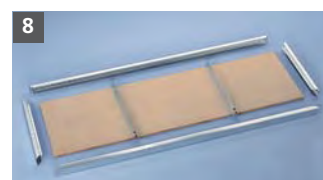
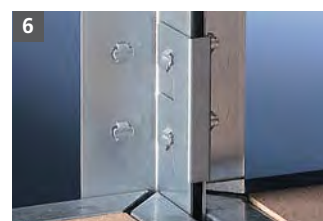
Description	galvanised Item No.	€
4 pieces, galvanised	81026	

## 7 Fixing kit

Description	galvanised Item No.	€
4 pieces for one rack, incl. 8 screws and 8 nuts	81108	

## 8 Additional shelf level

Description	Length mm	Depth mm	with chipboard, untreated Item No.	€	with steel panels Item No.	€
Surface galvanised	1700	400	87058		87040	
	1700	600	87059		87041	
	1700	800	87592		87042	
	2000	400	81209		87043	
	2000	600	81210		87044	
	2000	800	81211		87045	
	2500	400	81212		87046	
	2500	600	81213		87047	
	2500	800	81214		87048	



# META SPEED-RACK® Wide Span Racks

## Suggested Orders for Packing Table



- **Complete rack**
- **Simple design wide-span rack** with equal-sided, symmetrical angle sections
- **Simple to assemble** with boltless mounting
- **All-round edge protection** of the wooden shelves by countersinking in the stepped beam

- **Intermediate shelf height-adjustable** in 50 mm steps
- **Stepped beam** in longitudinal and depth directions
- **Two supports** under each shelf
- **Surfaces** of profiles and beams galvanised

### META SPEED-RACK® Packing Table

Height mm	Length mm	Depth mm	Number of shelves	Shelf load kg	Bay load kg	galvanised Item No.	€
970	2000	800	2	400	800	■ 97106	
970	2500	800	2	400	800	■ 97107	

### META SPEED-RACK® Packing Table with Stacking Space

Height mm	Length mm	Depth mm	Number of shelves	Shelf load kg	Bay load kg	galvanised Item No.	€
1970	2000	800	4	400	1200	■ 97108	
1970	2500	800	4	400	1200	■ 97109	

#### Planning dimensions & load data

- Planning dimensions:** Nominal dimensions = Actual dimensions  
Assembly with basic rack unit only
- Bay load:** up to 800 kg and 1.200 kg and  
**Shelf load:** up to 400 kg  
(up to 200 kg for stacking shelves, depth 400 mm)
- Stacking shelves:** Depth 400 mm  
**Working height:** Packing table 970 mm

#### Note on safety:

- Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 85).  
The shelf/bay loads apply to evenly distributed loads.



# META MINI-RACK® Wide Span Racks

The Allrounder with Multiple Applications



## Page

System description  
87 – 89

META MINI-RACK® wide-span racks  
with steel panels  
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META MINI-RACK® wide-span racks  
with removable chipboard shelves  
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META MINI-RACK® wide-span racks  
with removable steel or chipboard  
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META MINI-RACK® Accessories  
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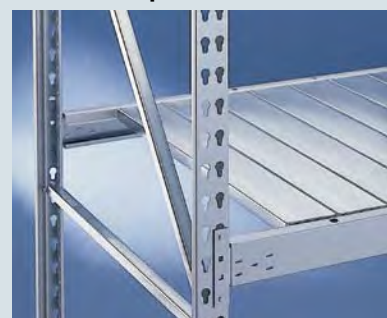
## plenty of space for heavy, bulky objects...

- **An alternative** to the pallet rack
- **Generous storage space** for bulky objects, and particularly large and/or heavy items
- **Storage position** horizontal or vertical
- **Possible solutions for integration:**  
in a META QUICK® multi-tier system, e.g. for large-volume and heavy parts or for small parts storage
- **All-purpose rack** – with multiple applications across different goods sectors
- **Shelves** adjustable in 50 mm steps
- **Stepped beams** with 200 mm pitch holes for attaching dividers
- **Dimensional variants:**  
Standard rack height: 2.200, 2.500, 3.000 mm  
Standard shelf depth: 650, 800, 1.050 mm  
Standard width: 1.400, 1.800, 2.200, 2.600 mm
- **Individual shelf loads:** up to 600 kg<sup>1)</sup>  
**Bay loads:** up to 4.600 kg<sup>1) 2)</sup>
- **Surface:** Pre-galvanised or additional plastic coating  
RAL 7035 light grey (on request)

with chipboard



with steel panel



<sup>1)</sup> with evenly distributed load    <sup>2)</sup> Bay load data apply to rows of racks in 3 or more bays

# META MINI-RACK® Wide Span Racks

## System description



META MINI-RACK®  
Wide-span rack used for  
storing wheel rims in a  
vehicle workshop



# META MINI-RACK® Wide Span Racks

## System description

### Add-on rack unit



### META MINI-RACK® Frames

Diagonal and horizontal braces are screwed together with uprights and foot plates to form a stable frame.



Wide-span racks

*META MINI-RACK® Wide-span rack – integrated with a META QUICK® multi-tier system – with META MINI-RACK® wide-span racks for heavy and bulky objects at the bottom, and META QUICK® shelving for small parts storage at the top*



# META MINI-RACK® Wide Span Racks

## Suggested Order with Steel Panels



Wide-span racks

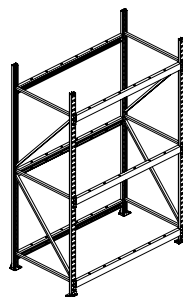
An alternative to the pallet rack. The large storage spaces allow bulky objects to be placed and removed easily.

- Shelf loads: up to 600 kg<sup>1)</sup>
- Bay loads: up to 4.600 kg<sup>1)</sup>
- Steel panel shelves
- Height adjustable in 50 mm steps
- Simple to assemble

<sup>1)</sup> with evenly distributed load

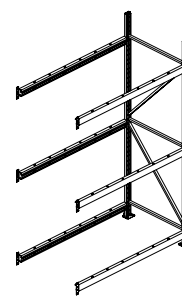
### ■ Item No. 51236 META MINI-RACK® basic rack unit with steel panels, galvanised

Outside dimensions (H x L x D): 2.200 x 1.907 x 650 mm  
with 3 steel panel shelves, as shown (without decorations)



#### Basic rack unit

- 2 frames (disassembled)
- 3 shelves with steel panels
- Mounting accessories



#### Add-on rack unit

- 1 frame (disassembled)
- 3 shelves with steel panels
- Mounting accessories

# META MINI-RACK® Wide Span Racks

Suggested Orders with Chipboard Shelves



Wide-span racks

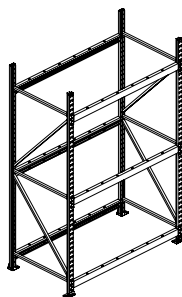
An alternative to the pallet rack. The large storage spaces allow bulky objects to be placed and removed easily.

- Shelf loads: up to 600 kg<sup>1)</sup>
- Bay loads: up to 4.600 kg<sup>1)</sup>
- Chipboard shelves
- Height adjustable in 50 mm steps
- Simple to assemble

<sup>1)</sup> with evenly distributed load

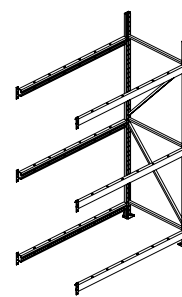
## ■ Item No. 77405 META MINI-RACK® complete rack, galvanised

Outside dimensions (H x L x D): 2.200 x 3.758 x 650 mm  
with 6 removable chipboard shelves, as shown (without decorations)



### Basic rack unit

- 2 frames (disassembled)
- 3 removable shelves (chipboard)
- Mounting accessories



### Add-on rack unit

- 1 frame (disassembled)
- 3 removable shelves (chipboard)
- Mounting accessories

# META MINI-RACK® Wide Span Racks

Suggested orders with pre-galvanised surface



- **Alternative to the pallet rack** for large and heavy single items
- **Surface:** Frame and bracing: pre-galvanised  
Shelves: Natural chipboard or steel panel  
**On request:** Upright sections and beams in RAL 7035 light grey
- **Storage position** horizontal or vertical
- **Shelves** adjustable in 50 mm steps
- **Stepped beams** with 200 mm pitch holes for attaching dividers

## Wide-span rack system META MINI-RACK® · Surface pre-galvanised · Height 2200 mm



Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	with chipboards		with steel panel	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2200	1400	650	3	4350	■ 51223	■ 51225	■ 51224	■ 51226
2200	1400	800	3	4350	■ 51227	■ 51229	■ 51228	■ 51230
2200	1400	1050	3	4350	■ 51231	■ 51233	■ 51232	■ 51234
2200	1800	650	3	3200	■ 51235	■ 51237	■ 51236	■ 51238
2200	1800	800	3	3200	■ 51239	■ 51241	■ 51240	■ 51242
2200	1800	1050	3	3200	■ 51243	■ 51245	■ 51244	■ 51246
2200	2200	650	3	2750	■ 51247	■ 51249	■ 51248	■ 51250
2200	2200	800	3	2750	■ 51251	■ 51253	■ 51252	■ 51254
2200	2200	1050	3	2750	■ 51255	■ 51257	■ 51256	■ 51258
2200	2600	650	3	2500	■ 51259	■ 51261	■ 51260	■ 51262
2200	2600	800	3	2500	■ 51263	■ 51265	■ 51264	■ 51266
2200	2600	1050	3	2500	■ 51267	■ 51269	■ 51268	■ 51271

### Planning dimensions & load data

**Basic rack unit:** Nominal length + 107 mm  
**Add-on rack unit:** Nominal length + 51 mm  
**Bay load:** up to 4.600 kg  
**Shelf load:** 600 kg (rack length 1.400, 1.800, 2.200 mm)  
 490 kg (rack length 2.600 mm)

### Note on safety:

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (for wall or floor fixings, see Page 94).  
 The shelf/bay loads apply to evenly distributed loads.  
 2 floor anchors per frame.



For the META MINI-RACK® range of accessories, see Pages 94 – 95

# META MINI-RACK® Wide Span Racks

## Wide-span rack system META MINI-RACK® · Surface pre-galvanised · Height 2500 mm

Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	with chipboards		with steel panel	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
2500	1400	650	4	4350	■ 51272	■ 51274	■ 51273	■ 51275
2500	1400	800	4	4350	■ 51276	■ 51278	■ 51277	■ 51279
2500	1400	1050	4	4350	■ 51280	■ 51282	■ 51281	■ 51283
2500	1800	650	4	3200	■ 51284	■ 51286	■ 51285	■ 51287
2500	1800	800	4	3200	■ 51288	■ 51290	■ 51289	■ 51291
2500	1800	1050	4	3200	■ 51292	■ 51294	■ 51293	■ 51295
2500	2200	650	4	2750	■ 51296	■ 51298	■ 51297	■ 51299
2500	2200	800	4	2750	■ 51300	■ 51302	■ 51301	■ 51303
2500	2200	1050	4	2750	■ 51304	■ 51306	■ 51305	■ 51307
2500	2600	650	4	2500	■ 51308	■ 51310	■ 51309	■ 51311
2500	2600	800	4	2500	■ 41570	■ 41571	■ 51312	■ 51313
2500	2600	1050	4	2500	■ 51314	■ 51316	■ 51315	■ 51317

## Wide-span rack system META MINI-RACK® · Surface pre-galvanised · Height 3000 mm

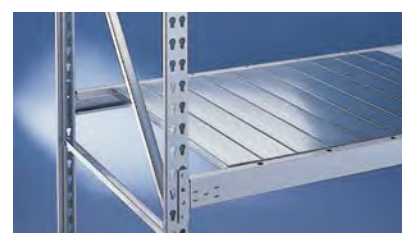
Height mm	Length mm	Depth mm	Number of shelves	Bay load kg	with chipboards		with steel panel	
					Basic rack unit Item No. €	Add-on rack unit Item No. €	Basic rack unit Item No. €	Add-on rack unit Item No. €
3000	1400	650	5	4350	■ 51318	■ 51320	■ 51319	■ 51321
3000	1400	800	5	4350	■ 51322	■ 51324	■ 51323	■ 51325
3000	1400	1050	5	4350	■ 51326	■ 51328	■ 51327	■ 51329
3000	1800	650	5	3200	■ 51330	■ 51332	■ 51331	■ 51333
3000	1800	800	5	3200	■ 51334	■ 51336	■ 51335	■ 51337
3000	1800	1050	5	3200	■ 51338	■ 51340	■ 51339	■ 51341
3000	2200	650	5	2750	■ 51342	■ 51344	■ 51343	■ 51345
3000	2200	800	5	2750	■ 51346	■ 51348	■ 51347	■ 51349
3000	2200	1050	5	2750	■ 51350	■ 51352	■ 51351	■ 51353
3000	2600	650	5	2500	■ 51354	■ 51356	■ 51355	■ 51357
3000	2600	800	5	2500	■ 51358	■ 51360	■ 51359	■ 51361
3000	2600	1050	5	2500	■ 51362	■ 51364	■ 51363	■ 51365

## Additional shelf · Beams pre-galvanised

Length mm	Depth mm	Shelf load kg	Chipboards		Steel panel	
			Additional shelf Item No. €		Additional shelf Item No. €	
1400	650	600	■ 42930		■ 43031	
1400	800	600	■ 42931		■ 34032	
1400	1050	600	■ 42932		■ 43033	
1800	650	600	■ 2922		■ 43034	
1800	800	600	■ 2925		■ 43035	
1800	1050	600	■ 2928		■ 43036	
2200	650	600	■ 2930		■ 43037	
2200	800	600	■ 2933		■ 43038	
2200	1050	600	■ 2947		■ 43039	
2600	650	490	■ 3037		■ 43040	
2600	800	490	■ 3041		■ 43041	
2600	1050	490	■ 3045		■ 43042	



with chipboard



with steel panels

# META MINI-RACK® Wide Span Racks

## Range of parts



### 1 Frame pre-galvanised

Diagonal and horizontal braces are screwed together with uprights and foot plates to form a stable frame. If desired, frames can be supplied pre-assembled for an extra charge.

Height Frame mm	Frame depth 650 mm Item No. €	Frame depth 800 mm Item No. €	Frame depth 1050 mm Item No. €
2200	■ 42757	■ 41343	■ 41344
2500	■ 51366	■ 51368	■ 51370
3000	■ 51367	■ 51369	■ 51371

### Please note:

On request, we can also supply uprights and stepped beams in RAL 7035 light grey. Please contact us.



### 2 Stepped beams

for shelves (chipboard or steel panel), with punch holes for attaching dividers. The beams are designed with 19 mm pitch punch holes for the removable shelves. Depending on beam length, the stated number of supports is required, at an extra charge: \*3 for steel panels, 4 for chipboard

Length mm	Load capacity per pair/kg	Support per pair of beams	galvanised Item No. €/pce.
1400	600	1	■ 3033
1800	600	2	■ 2994
2200	600	2	■ 2997
2600	490	3/4*	■ 3030



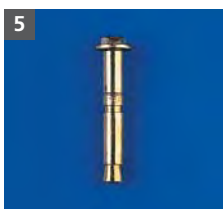
### 3 support

Description	Length mm	galvanised Item No. €
With galvanised surface, the supports are pushed into the edge folds in the beams and have a structural function. For quantity required, see Table 2 "Stepped beams".	650	■ 729
	800	■ 731
	1050	■ 732



### 4 Spacer

Description	Length mm	galvanised Item No. €
The 100 mm long spacers are used with double rack rows to join the frames together	100	■ 48930



### 5 Floor anchor

Description	galvanised Item No. €
For floor fixing when tilting protection is required	■ 43472



### 6 Rod divider

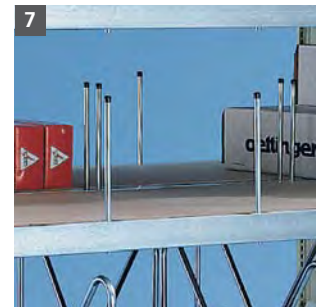
Description	Length mm	galvanised Item No. €
For shelf division in vertical storage racks; used in combination with stepped beams; continuously adjustable	400	■ 51398

# META MINI-RACK® Wide Span Racks

Range of parts

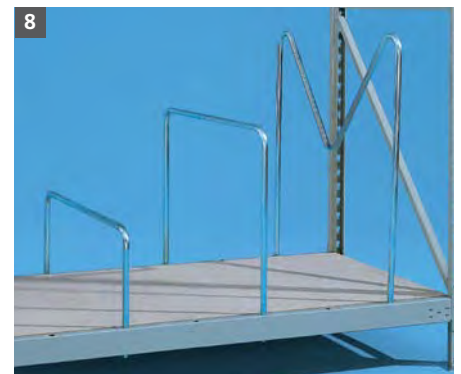
## 7 Beam peg

Description	Height mm	pre-galvanised Item No. €
For shelf division	350	■ 54317



## 8 Divider

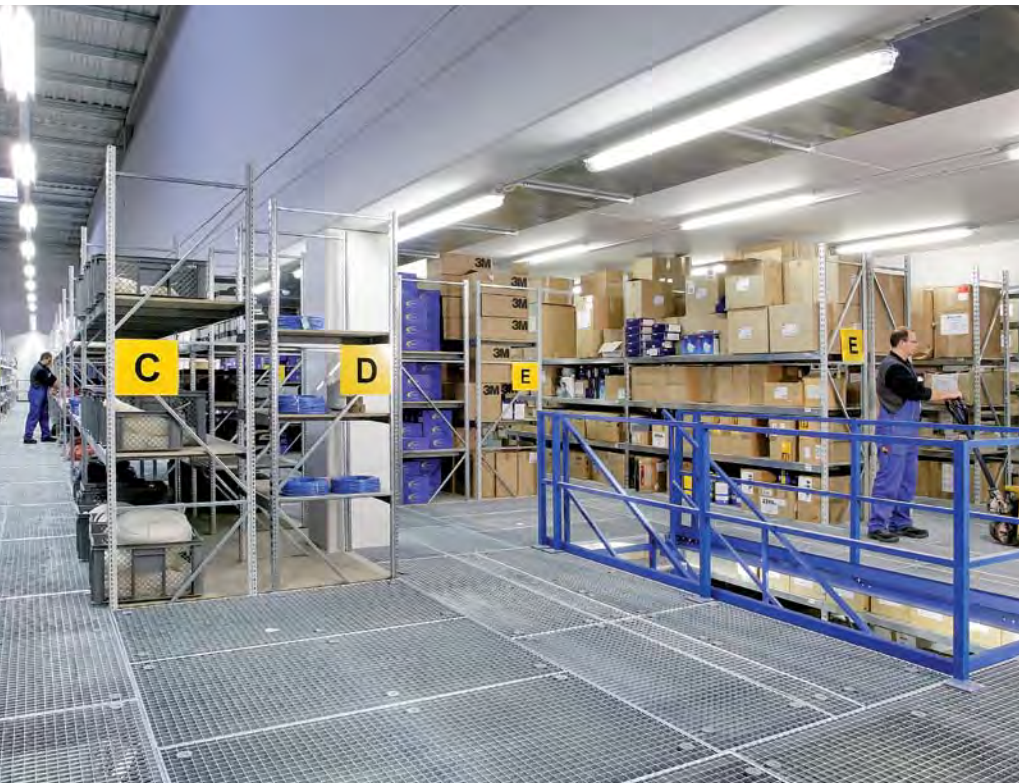
Description	Frame depth mm	Height mm	pre-galvanised Item No. €
Used in combination with stepped beams	650	250	■ 45696
	650	500	■ 45697
	650	750	■ 45698
	800	250	■ 45699
	800	500	■ 45700
	800	750	■ 45701
	1050	250	■ 45702
	1050	500	■ 45703
	1050	750	■ 45704



Wide-span racks

# META MINI-RACK® Wide Span Racks

## Case studies



This rack system is used for storing large, bulky and particularly heavy objects. Whether placed horizontally or vertically, goods are stored optimally in META MINI-RACK® wide-span racks. The individual shelf loads of up to 600 kg and bay loads up to 4.600 kg are performance data that speak for themselves. There are also solutions for integration in other systems, for example in a META QUICK® multi-tier system: The first META MINI-RACK® tier used for large-volume and heavy items, and the second META QUICK® tier used for small parts storage.

These and the many other possible combinations make the META MINI-RACK® wide-span racks an all-rounder, which has applications across different goods sectors.

Wide-span racks



## System description



Page
System description
97 – 101
META MULTIPAL® beams & uprights, load specifications & load capacities
102 – 104
META MULTIPAL® range of accessories, safety accessories, pallet drawers
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META MULTIPAL® pallet drawers
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META MULTIPAL® pallet racking for light and medium loads
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META MULTIPAL® long-span racking with steel panels
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META MULTIPAL® pallet racking Complete racks
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META MINI-RACK® / MULTIPAL® A-frame rack
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META Practical solutions – Combination systems Case studies
118 – 122

## for large & bulky objects ...

- **The optimal solution** for rational, well-arranged, adaptable pallet and piece goods storage
- **4 hook-agraffes** height-adjustable in 50 mm steps
- **Allows either lengthwise or crosswise storage**
- **Closed box sections** ensure high stability
- **Uprights** are made of cold-worked sections, which are bolted together with the cross-bracing on site
- **META MULTIPAL system** is a product certified to RAL-RG 614/2 and bears the GS symbol
- **Verification of static storage systems:** based on the DIN EN 15512 standard
- **Dimensional variants:**
  - Standard height of uprights:**
    - Galvanised version: from 2.200 mm to 12.000 mm
    - Plastic-coated version: from 2.200 mm to 6.000 mm (continuous uprights above 6,000 mm as extension frame)
  - Standard rack depth:** 800, 1.100 mm
  - Standard beam length:** 1.800, 2.200, 2.700, 3.300, 3.600 mm  
other dimensions on request
- **Individual shelf loads:** up to 5.5 t<sup>1)</sup>
- **Bay loads:** up to 25 t<sup>1) 2)</sup>
- **Surface:**
  - Uprights** pre-galvanised, alternatively with plastic coating RAL 5010 gentian blue (at extra cost)
  - Bracing** pre-galvanised
  - Beams** with plastic coating RAL 2001 red-orange

<sup>1)</sup> with evenly distributed load    <sup>2)</sup> Bay load data apply to rows of racks in 3 or more bays

# META MULTIPAL® Pallet Racks



the system, the accessories



Pallet racks

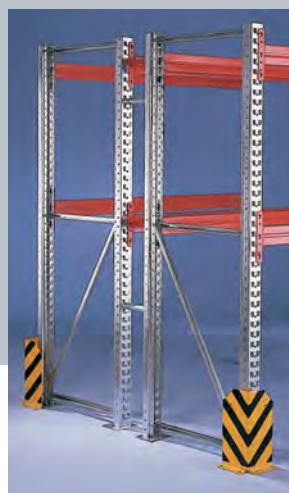


Chipboards with  
centring plate



Steel panel

Spacers and corner upright protectors



Grating shelf

# META MULTIPAL® Pallet Racks



*Shelf bearer*



*Channel support*



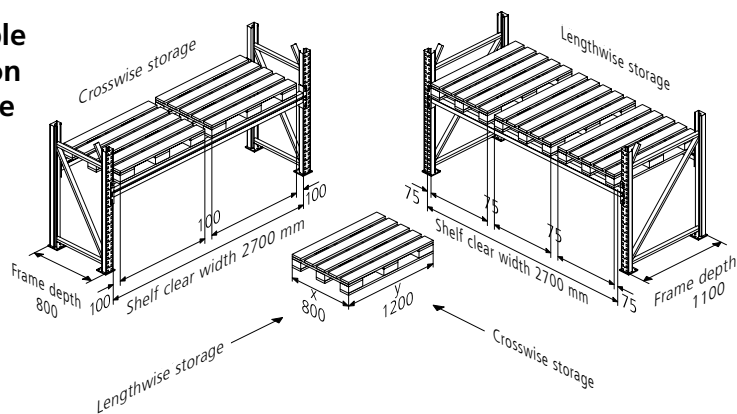
*Shouldered shelf bearer*



*Rack with mesh bay back*

**Pallet racks**

## Multiple location storage



# META MULTIPAL® Pallet Racks

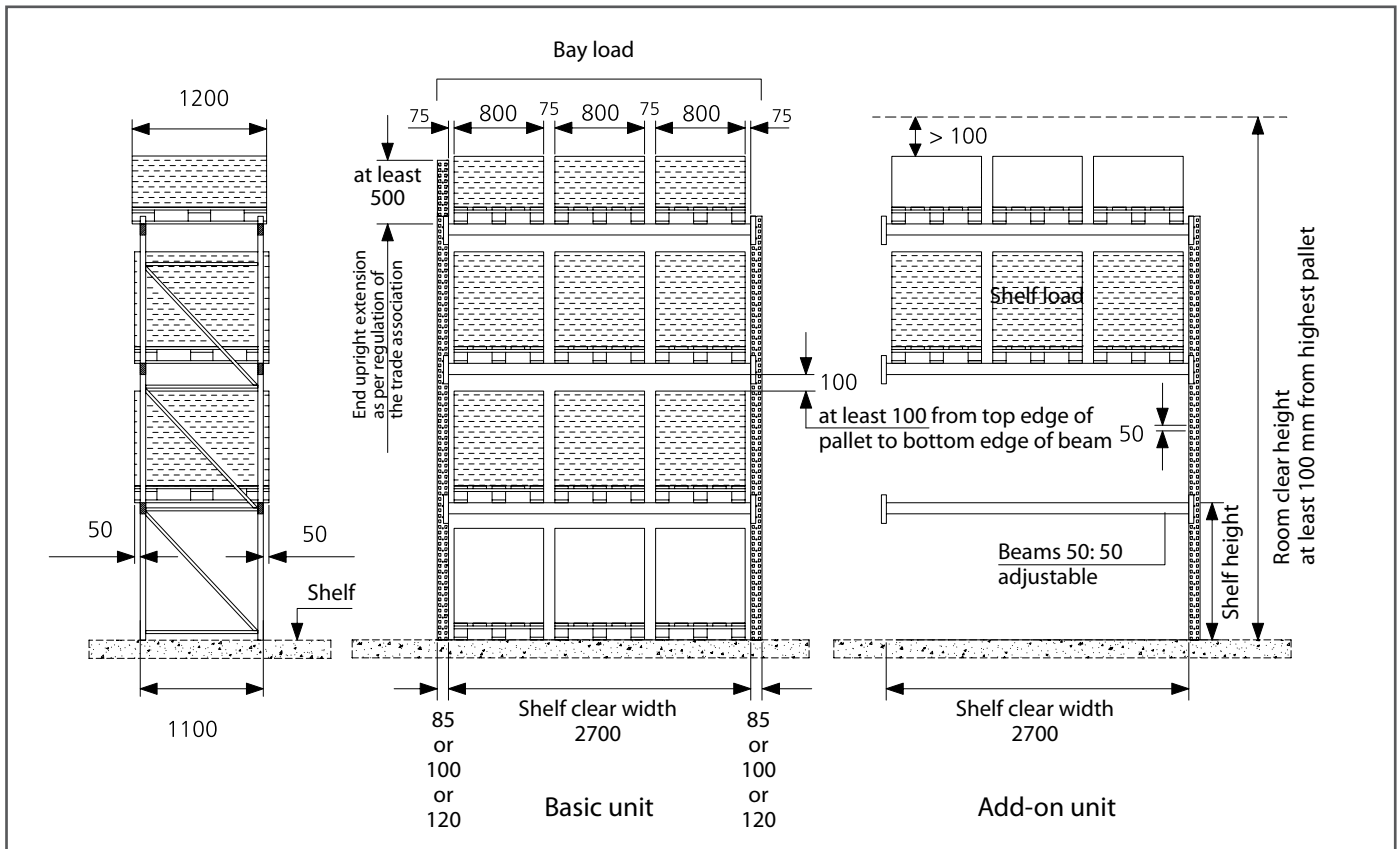


## Case studies



Pallet racks





### Note on planning:

#### Basic rack unit: 85/17 + 85/20:

Nominal length + 170 mm

#### 100/20

Nominal length + 200 mm

#### 120/20 + 120/25:

Nominal length + 240 mm

#### Add-on rack: 85/17 + 85/20:

Nominal length + 85 mm

#### 100/20

Nominal length + 100 mm

#### 120/20 + 120/25:

Nominal length + 120 mm

### Selecting the uprights / beams:

1. Determine the shelf load
2. Calculate the bay load as the sum of the shelf loads
3. Select the beams according to the shelf load - see Page 104
4. Select the upright according to bay load and shelf height - see Pages 102 – 103

### Note on safety:

Loading dimensions may exceed nominal dimensions!

Lift height of operating truck: Top edge of highest beam plus 200 mm

The bay load data apply to units consisting of one basic bay unit and at least three add-on bays, with at least three beam pairs per bay.



## Load Data & Loading Values for Beams and Frames

### Bay loads

The frame load data refer to racks with a maximum height from **8 metres** (highest beam) to 12 m on request.

The loads refer to racks with:

- at least 4 bays
- at least 3 beam levels
- evenly distributed loads
- shelf width  $\leq 2700$  mm or  $> 2700$  mm and  $\leq 3600$  mm

If shelf widths are greater than 2700, the beams should be at least HN 120-20. If the beam cross-sections are smaller for these shelf widths, then bay loads must be reduced.

In this case, please contact us for advice.

Bay loads depend on the upright/ beam combination.

If planning a project, please contact us for greater details.

**Higher bay loads up to 25 t with upright type 120/25 available on request!**

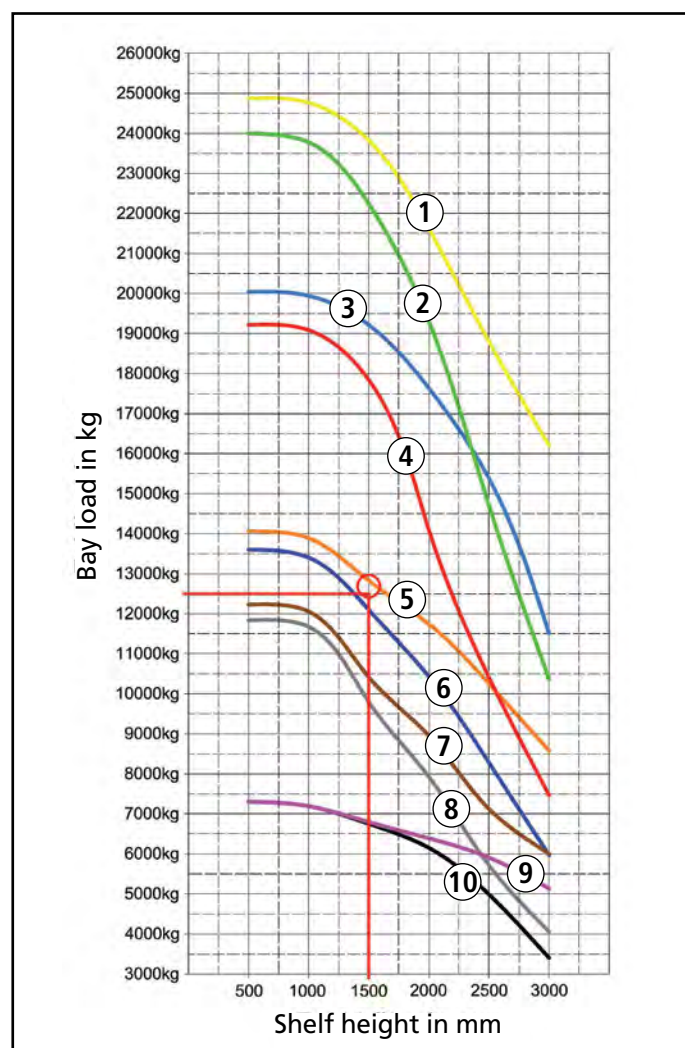
### Bay loads

#### Shelf width $\leq 2700$ mm

Upright type	Shelf height mm	Beam sections						Shelf width $> 2700 \leq 3600$ mm		
		85/15 kg	85/20 kg	100/20 kg	120/20 kg	140/15 kg	155/17 kg	120/20 kg	140/15 kg	155/17 kg
SR 85/17	1000	7300	7260	7310	7330	—	—	—	—	—
	1500	6740	6710	6780	6800	—	—	—	—	—
	2000	6310	6290	6410	6450	—	—	—	—	—
SR 85/20	1000	11410	11830	11900	12230	12190	12140	11000	11310	11310
	1500	7180	9800	9950	10390	10700	10670	9420	10120	10150
	2000	5280	7930	8440	9120	9300	9270	7200	8580	9120
SR 100/20	1000	13120	13600	13680	14060	14010	13850	12600	13000	13000
	1500	8870	12100	12280	12820	13210	13170	11630	12490	12500
	2000	6950	10430	11100	12000	12230	12200	10600	11580	12000
SR 120/20	1000	—	18500	19210	19580	20040	20030	18160	18420	18880
	1500	—	14600	17840	18490	19210	19320	15170	17680	18530
	2000	—	11350	14090	16600	17640	17870	11900	15270	17530

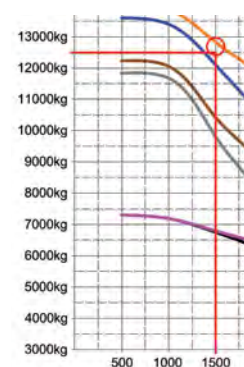


**Frames are supplied disassembled!**



### Bay loads / Frame loads

	Upright section	Beam section
①	SR 120/25	HS 155/17
②	SR 120/25	HN 120/20
③	SR 120/20	HS 140/15
④	SR 120/20	HN 100/20
⑤	SR 100/20	HN 120/20
⑥	SR 100/20	HN 85/20
⑦	SR 85/20	HN 120/20
⑧	SR 85/20	HN 85/20
⑨	SR 85/17	HN 100/20
⑩	SR 85/17	HN 85/15



#### Example:

Required bay load = 12500 kg  
Shelf height = 1500 mm  
Sections to be selected (see Line 5)  
Upright section = SR 100/20 with  
Beam section = 4 HN 120/20

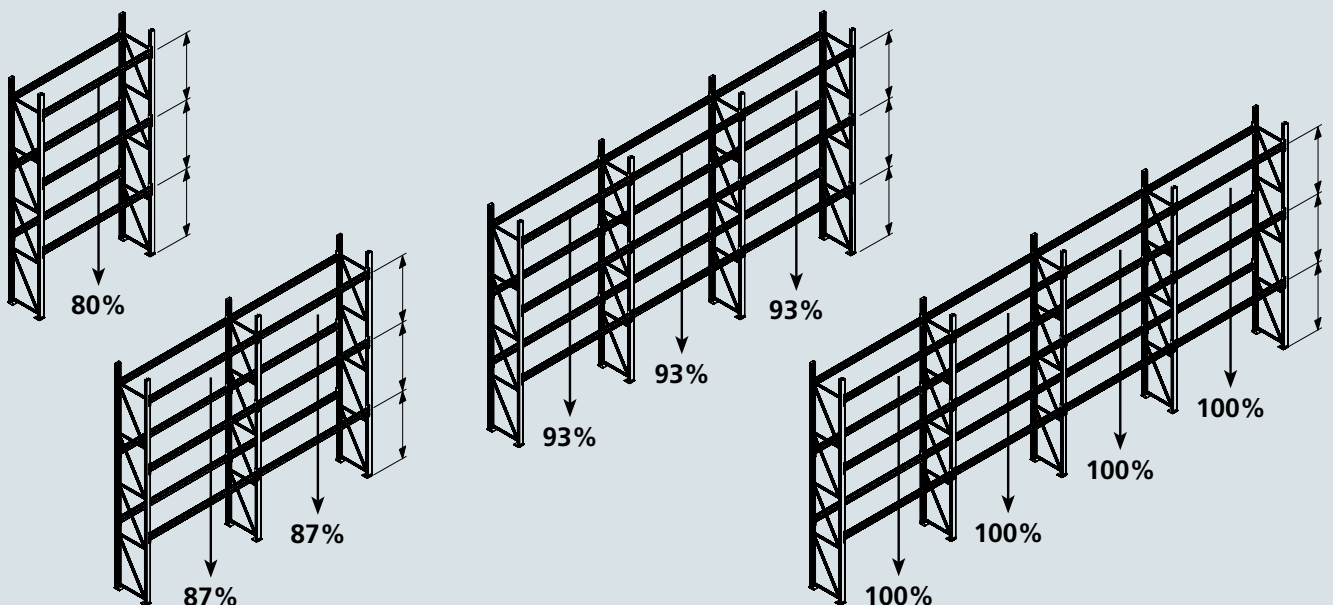
### Frames · Disassembled · Surface galvanised

Height mm	Uprights 85/17		Uprights 85/20		Uprights 100/20		Uprights 120/20	
	Depth 800 mm Item No. €	Depth 1100 mm Item No. €	Depth 800 mm Item No. €	Depth 1100 mm Item No. €	Depth 800 mm Item No. €	Depth 1100 mm Item No. €	Depth 800 mm Item No. €	Depth 1100 mm Item No. €
2200	95465	95491	76032	76093	174336	174374	95086	95115
2700	93508	93512	76034	76095	174337	174375	95087	95116
3300	93509	93513	76036	76096	174338	174376	95088	95117
3800	95467	95492	76037	76097	174339	174377	95089	95118
4400	93510	93514	76038	76098	174340	174378	95090	95119
4900	95468	95493	76039	76099	174341	174379	95091	95120
5500	93511	93515	76040	76100	174342	174380	95092	95121
6000	95469	95494	78928	78938	174343	174381	95093	95122
6600	95470	95495	78929	78939	174344	174382	95094	95123
7100	95471	95496	78930	78940	174345	174383	95095	95124
7700	95472	95497	78931	78941	174346	174384	95096	95125
8200					174347	174385	95097	95126
8800					174348	174386	95098	95127
9300					174349	174387	95099	95128
9900					174350	174388	95100	95129
10400					174351	174389	95101	95130
11000					174352	174390	95102	95131
11500					174353	174391	95103	95132
12000					174354	174392	95104	95133

### Frames · Disassembled · Surface plastic-coated RAL 5010 gentian blue · Bracing galvanised

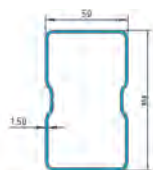
Height mm	Uprights 85/17		Uprights 85/20		Uprights 100/20		Uprights 120/20	
	Depth 800 mm Item No. €	Depth 1100 mm Item No. €	Depth 800 mm Item No. €	Depth 1100 mm Item No. €	Depth 800 mm Item No. €	Depth 1100 mm Item No. €	Depth 800 mm Item No. €	Depth 1100 mm Item No. €
2200	95518	95528	76118	76210	174450	174488	95107	95158
2700	95519	95529	76119	76211	174451	174489	95108	95159
3300	95520	95530	76120	76212	174452	174490	95109	95160
3800	95521	95531	76121	76213	174453	174491	95110	95161
4400	95522	95532	76122	76214	174454	174492	95111	95162
4900	95523	95533	76123	76215	174455	174493	95112	95163
5500	95524	95534	76124	76216	174456	174494	95113	95164
6000	95525	95535	174001	174039	174457	174495	95114	95165

The load values for beams and frames are reduced if there are fewer than 4 rack bays alongside each other!



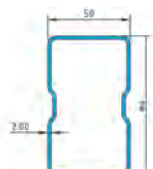
## Range of Components Beams

1



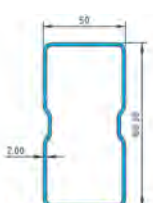
**HN 85/15**

2



**HN 85/20**

3



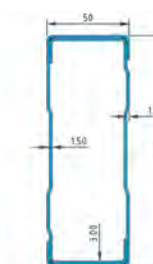
**HN 100/20**

4



**HN 120/20**

5



**HS 140/15**

6



**HS 155/17**

### Beams · Surface: plastic-coated RAL 2001 red-orange

The indicated loads are maximum loads.

Maximum shelf loads may vary according to the rack system configuration.

1	max. load (kg) per beam pair for shelf height 1500 mm with upright type				Price per beam	
	Length mm	85/17	85/20	100/20	120/20	Item No. €
	1800	2200	2250	2300	2400	■ 92841
	2200	1900	1950	2000	2050	■ 92843
	2700	1500	1550	1600	1650	■ 92844

2	max. load (kg) per beam pair for shelf height 1500 mm with upright type				Price per beam	
	Length mm	85/17	85/20	100/20	120/20	Item No. €
	1800	2650	2700	2750	2800	■ 77487
	2200	2250	2300	2300	2400	■ 77488
	2700	1700	1750	1800	1850	■ 77489

3	max. load (kg) per beam pair for shelf height 1500 mm with upright type				Price per beam	
	Length mm	85/17	85/20	100/20	120/20	Item No. €
	1800	3300	3350	3400	3400	■ 78861
	2700	2400	2400	2450	2450	■ 78863

4	max. load (kg) per beam pair for shelf height 1500 mm with upright type				Price per beam	
	Length mm	85/17	85/20	100/20	120/20	Item No. €
	1800	4000	4100	4150	4200	■ 175808
	2200	3400	3500	3500	3600	■ 77490
	2700	2900	3000	3000	3000	■ 77491
	3300	2450	2500	2500	2600	■ 175810
	3600	2100	2150	2200	2250	■ 175811

5	max. load (kg) per beam pair for shelf height 1500 mm with upright type				Price per beam	
	Length mm	85/17	85/20	100/20	120/20	Item No. €
	2700	3700	4050	4400	4500	■ 94816
	3300	3000	3400	3750	3800	■ 94817
	3600	2750	3100	3450	3550	■ 94818

6	max. load (kg) per beam pair for shelf height 1500 mm with upright type				Price per beam	
	Length mm	85/17	85/20	100/20	120/20	Item No. €
	2700	—	5250	5500	5500	■ 94819
	3300	—	4350	4700	4750	■ 94820
	3600	—	4000	4350	4400	■ 94821

## Range of accessories

### Back stop, light version

for pallet overhang 50 mm

Length mm	for SR 85/17 + 85/20		for SR 85/17 + 85/20		for SR 100/20		for SR 100/20	
	Galvanised Item No.	€	RAL 2001 Item No.	€	Galvanised Item No.	€	RAL 2001 Item No.	€
1800	■ 89934		■ 89954		■ 89944		■ 89964	
2200	■ 89935		■ 89955		■ 89945		■ 89965	
2700	■ 89936		■ 89956		■ 89946		■ 89966	
3300	■ 89937		■ 89957		■ 89947		■ 89967	
3600	■ 89938		■ 89958		■ 89948		■ 89968	

### Back stop, light version

for pallet overhang 100 mm

Length mm	for SR 85/17 + 85/20		for SR 85/17 + 85/20		for SR 100/20		for SR 100/20	
	Galvanised Item No.	€	RAL 2001 Item No.	€	Galvanised Item No.	€	RAL 2001 Item No.	€
1800	■ 89939		■ 89959		■ 89949		■ 89969	
2200	■ 89940		■ 89960		■ 89950		■ 89970	
2700	■ 89941		■ 89961		■ 89951		■ 89971	
3300	■ 89942		■ 89962		■ 89952		■ 89972	
3600	■ 89943		■ 89963		■ 89953		■ 89973	

### Back stop, heavy version

for pallet overhang 50 mm

Length mm	for SR 85/17 + 85/20		for SR 100/20	
	RAL 2001 Item No.	€	RAL 2001 Item No.	€
1800	■ 89974		■ 89984	
2200	■ 89975		■ 89985	
2700	■ 89976		■ 89986	
3300	■ 89977		■ 89987	
3600	■ 89978		■ 89988	

### Back stop, heavy version

for pallet overhang 100 mm

Length mm	for SR 85/17 + 85/20		for SR 100/20	
	RAL 2001 Item No.	€	RAL 2001 Item No.	€
1800	■ 89979		■ 89989	
2200	■ 89980		■ 89990	
2700	■ 89981		■ 89991	
3300	■ 89982		■ 89992	
3600	■ 89983		■ 89993	

### End upright extension

Description	Depth mm	Galvanised Item No.	€
Surface galvanised; safeguard to prevent loading units falling on the aisle side; at least 500 mm above the highest beam	800	■ 78107	
	1100	■ 78108	

### Levelling plate

Description	Height mm	Galvanised Item No.	€
Surface galvanised, to compensate for unevenness in shelf levels	1	■ 176896	
	2	■ 176895	



# META MULTIPAL® Pallet Racks

## Range of accessories



### Corner upright protectors

Description	Item No.	€
Height 400 mm, in warning colours black/yellow, for protecting rack uprights in entrances and passageways; meet the FEM requirements; complete with 4 anchor bolts	51059	



### U-protector

Description	Item No.	€
Height 400 mm, in warning colours black/yellow, for protecting rack uprights; complete with anchor bolts	95843	



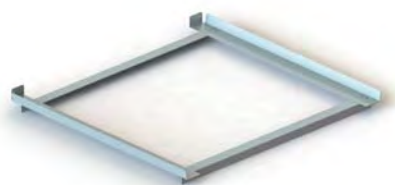
### Upright protectors

Description	Upright width mm	RAL 1003 Item No.	€
Height 970 mm, surface RAL 1003 painted; upright protector with rubber buffer, complete with mounting accessories; protects the bottom part of uprights from damage due to industrial trucks	85	171981	
	100	172898	
	120	173283	



### Safety barrier for rack fronts

Description	RAL 1003 Item No.	€
Height 400 mm, corner upright protector in warning colour black/yellow; complete with mounting accessories; to protect the front side of racks		
Safety barrier for single rack 800	170830	
Safety barrier for single rack 1100	170831	
Safety barrier for double rack 800 + spacer 200	170832	
Safety barrier for double rack 1100 + spacer 200	170833	



### Light channel support · Load 250 kg (per pair)

Description	for rack depth mm	Galvanised Item No.	€	RAL 2001 Item No.	€
With raised edge on sides and back as push-through stops, supplied disassembled	800	88323		88326	
	1100	88338		88341	

### Heavy channel support · Load 1,150 kg (per pair)

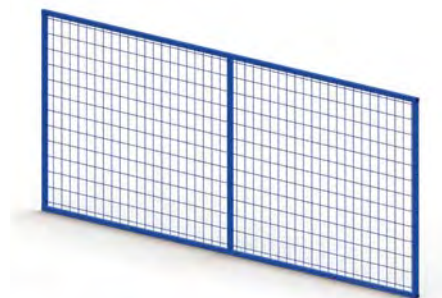
Description	for rack depth mm	Galvanised Item No.	€	RAL 2001 Item No.	€
With raised edge on sides and back as push-through stops, supplied disassembled	800	88446		88450	
	1100	88481		88484	

## Range of accessories

### Mesh bay back

Surface RAL 5010 gentian blue · without mounting accessories

Description	Length mm	Height mm	RAL 5010	
			Item No.	€
As required by BGR 234 guidelines, racks are to be fitted with mesh bay backs to prevent stored goods from falling off; this applies to traffic passageways and work areas	1800	500	■ 91445	
	2200	500	■ 91446	
	2700	500	■ 91447	
	3300	500	■ 91448	
	3600	500	■ 91449	
	1800	1100	■ 91440	
	2200	1100	■ 91441	
	2700	1100	■ 91442	
	3300	1100	■ 91443	
	3600	1100	■ 91444	



### Mounting kit for mesh bay back

Surface galvanised · 1 kit per mesh bay back

Description	Mounting kit	
	Item No.	€
Pallet overhang 50 mm for upright types 85/17 and 85/20	■ 91450	
Pallet overhang 50 mm for upright type 100/20	■ 91451	
Pallet overhang 100 mm for upright types 85/17 and 85/20	■ 91452	
Pallet overhang 100 mm for upright type 100/20	■ 91453	



### Spacer

Description	Length mm	Galvanised	
		Item No.	€
Surface galvanised, required if installing double racks	100	■ 78124	
	200	■ 78125	



### Locking pin for MULTIPAL beams

Description	Galvanised	
	Item No.	€
Two locking pins are required per beam (already included with the order suggestions on Page 104 and 113!)	■ 79463	



### Centring plate for removable chipboard shelves

Description	Galvanised	
	Item No.	€
Surface galvanised; suitable for inserting 30–38 mm chipboard shelves, designation: M50	■ 71239	



# META MULTIPAL® Pallet Racks

## Range of accessories



### Chipboard shelf 30 mm complete with centring plate · without beams

Description	Shelf width mm	Shelf depth mm	Shelf load kg	natural Item No.	€
Chipboard shelf 30 mm; natural surface, complete with centring plate supported on the beam.	1800	800	957	■ 77770	
	2200	800	1170	■ 77771	
	2700	800	1436	■ 77772	
For protection in passageways, aisles — as defined in BGR 234 regulation; for use in order picking areas, carton and box storage	3300	800	1755	■ 77773	
	3600	800	1915	■ 77774	
	1800	1100	426	■ 77775	
	2200	1100	520	■ 77776	
	2700	1100	639	■ 77777	
	3300	1100	780	■ 77778	
	3600	1100	851	■ 77779	



### Chipboard shelf 38 mm complete with centring plate · without beams

Description	Shelf width mm	Shelf depth mm	Shelf load kg	natural Item No.	€
Chipboard shelf 38 mm; natural surface, complete with centring plate supported on the beam.	1800	800	1406	■ 77780	
	2200	800	1718	■ 77781	
	2700	800	2109	■ 77782	
For protection in passageways, aisles — as defined in BGR 234 regulation; for use in order picking areas, carton and box storage	3300	800	2577	■ 77783	
	3600	800	2811	■ 77784	
	1800	1100	706	■ 77785	
	2200	1100	863	■ 77786	
	2700	1100	1059	■ 77787	
	3300	1100	1295	■ 77788	
	3600	1100	1413	■ 77789	



### Chipboard shelf 19 mm complete with shouldered shelf bearer · without beams

Description	Shelf width mm	Shelf depth mm	Shelf load kg	Bearers Quantity	natural Item No.	€
Chipboard 19 mm; top edge of the chipboard is flush with the top edge of the beam, preventing damage to the board when placing/removing goods; increase in shelf load per additional shelf bearer = 250 kg	1800	800	390	4	■ 77716	
	2200	800	270	4	■ 77717	
	2700	800	445	5	■ 77718	
	3300	800	315	5	■ 77719	
	3600	800	780	6	■ 77720	
	1800	1100	540	4	■ 77721	
	2200	1100	375	4	■ 77722	
Shelf bearer RAL 2001 red-orange	2700	1100	610	5	■ 77723	
	3300	1100	425	5	■ 77724	
	3600	1100	1080	6	■ 77725	



### Chipboard shelf 38 mm · with shouldered shelf bearer · without beams

Description	Shelf width mm	Shelf depth mm	Shelf load kg	Bearers Quantity	natural Item No.	€
Chipboard 38 mm; top edge of the chipboard is flush with the top edge of the beam, preventing damage to the board when placing/removing goods; increase in shelf load per additional shelf bearer = 600 kg	1800	800	1220	3	■ 80652	
	2200	800	1020	3	■ 80653	
	2700	800	1710	4	■ 80654	
	3300	800	1410	4	■ 80655	
	3600	800	2440	6	■ 80656	
	1800	1100	1680	3	■ 80657	
	2200	1100	1400	3	■ 80658	
Shelf bearer RAL 2001 red-orange	2700	1100	2360	4	■ 80659	
	3300	1100	2020	4	■ 80660	
	3600	1100	3360	6	■ 80661	

### Grating shelf · Support rod 30 x 2 mm · without beams

Description	Shelf width mm	Shelf depth mm	Shelf load kg	Item No.	€
Surface hot-dip galvanised, mesh width 30 x 30 mm	1800	800	2500	80677	
	2200	800	3060	80678	
Support rod 30 x 2 mm especially suitable for supporting high point loads; can also be used in conjunction with sprinkler systems	2700	800	3750	80679	
	3300	800	4500	80680	
	3600	800	4500	80681	
	1800	1100	1680	80682	
	2200	1100	2050	80683	
	2700	1100	2520	80684	
	3300	1100	3080	80685	
	3600	1100	3360	80686	



### Grating shelf · Support rod 30 x 3 mm · without beams

Description	Shelf width mm	Shelf depth mm	Shelf load kg	Item No.	€
Surface hot-dip galvanised, mesh width 30 x 30 mm	1800	800	4100	77691	
	2200	800	4500	77692	
Support rod 30 x 3 mm especially suitable for supporting high point loads; can also be used in conjunction with sprinkler systems	2700	800	4500	77693	
	3300	800	4500	77694	
	3600	800	4500	77695	
	1800	1100	2730	77696	
	2200	1100	3340	77697	
	2700	1100	4100	77698	
	3300	1100	4500	77699	
	3600	1100	4500	77700	



### Steel panel shelf, galvanised

Description	Shelf width mm	Shelf depth mm	Shelf load kg	Galvanised Item No.	€
Complete steel panel	1800	800	1800	57903	
shelves – without beams;	2200	800	2200	57905	
surface galvanised; for storing carton goods or small containers	2700	800	2700	57907	
– not suitable for pallet storage!	3300	800	3300	79796	
	3600	800	3600	73467	
Do not exceed the permitted beam shelf load!	1800	1100	1800	57904	
	2200	1100	2200	57906	
Load capacity (kg) per panel:	2700	1100	2700	57908	
100 kg	3300	1100	3300	79797	
	3600	1100	3600	73468	



### Steel panel, galvanised

Load capacity per panel 100 kg

Description	Panel width mm	Panel length mm	Galvanised Item No.	€
Surface galvanised; for storing carton goods or small containers – not suitable for pallet storage!	100	800	69884	
	100	1100	69885	

**Important!** Do not exceed the permitted beam shelf load!



**Please note: If the load capacity is increased using shelf bearers, do not exceed the permitted beam load capacity!**

# META MULTIPAL® Pallet Racks

## Range of accessories



### Shouldered shelf bearer · price per piece

for chipboard 19 mm or 38 mm · for increased loading see Chipboards Table

Description	Depth mm	Height 19 mm		Height 38 mm	
		Item No.	€	Item No.	€
Surface RAL 2001, for supporting 19 mm or 38 mm chipboards	800	■ 81081		■ 80662	
	1100	■ 81083		■ 80663	



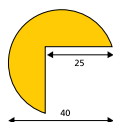
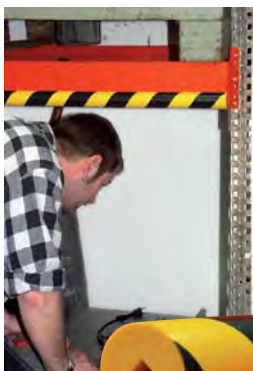
### Light shelf bearer · price per piece

Description	Depth mm	galvanised		RAL 2001	
		Item No.	€	Item No.	€
Surface RAL 2001 / galvanised, required for crosswise storage of Euro-pallets, load capacity per pair = 1.100 kg	800	■ 56506		■ 77791	
	1100	■ 56507		■ 77792	



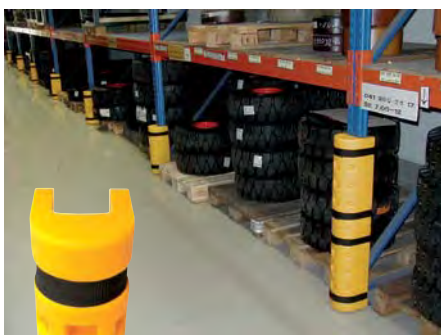
### Heavy shelf bearer · price per piece

Description	Depth mm	hot-dip galvanised		RAL 2001	
		Item No.	€	Item No.	€
Surface RAL 2001, required for crosswise storage of Euro-pallets, load capacity per pair = 1.500 kg	800	■ 92685		■ 109307	
	1100	■ 89998		■ 130140	



### Protection and warning profiles

Description	Length mm		
		Item No.	€
Round / angled, self-adhesive	1000	■ 95926	
Yellow-black in poly bag	5000	■ 95927	
Diameter 40 mm, Section 25 x 25 mm			



### Rack Sentry shelf protection

Description	Width mm	Depth mm		
			Item No.	€
Height 460 mm, U-shaped in yellow (dimensions are inside dimensions) Material: LLDPE	75	75	■ 95939	
	80	80	■ 95940	
	90	90	■ 95941	
	100	100	■ 95942	
	120	120	■ 95943	



- for pallets 1200 x 800 mm
- for placing on beams or on floor
- allows pallets to be pulled out effortlessly from the rack or on the floor

- ideal for order picking at the rack, easy on the joints and back
- solid steel design with smooth running ball bearings
- other versions/colours on request

### Cross-braced drawer rack for lengthwise storage Surface RAL 5010 gentian blue

Description		Width mm	Depth mm	Item No.	€
Extension depth about 70% – Load capacity	600 kg	860	1204	■ 97961	
Extension depth about 100% – Load capacity	300 kg	860	1220	■ 97962	
Extension depth about 70% – Load capacity	800 kg	860	1204	■ 176985	
Extension depth about 100% – Load capacity	1000 kg	875	1239	■ 176885	
Screw connection kit for agraffe fully galvanised, each consisting of 4 screws and agraffe nuts	–	–	–	■ 92773	

### required beam types

Number of pallet places per shelf	1	2	3	4
Shelf width in mm	900	1800	2700	3600
Beam type for pallet width 300 kg	85/15	85/15	100/20	140/15
Beam type for pallet width 600 kg	85/15	85/20	120/20	155/17
Beam type for pallet width 800 kg	85/15	100/20	140/55	—

### Drawer shelf for lengthwise storage Surface RAL 5010 gentian blue

Description	Width mm	Depth mm	Item No.	€
Extension depth about 90% – Load capacity 800 kg Loading and removal from order-picking aisle	875	1200	■ 97963	
Extension depth about 90% – Load capacity 800 kg Loading and removal from order-picking aisle	875	1200	■ 97964	



### Note on safety:

Never pull out more than one cross-braced drawer per shelf at the same time! The beams must be bolted to the uprights to prevent lifting!  
Please refer to the table for the required beam types.



# META MULTIPAL® Pallet Racks



## Suggested Orders for Light to Medium Loads



- **Modern, mature pallet rack system for storing light to medium weight pallets or piece goods**
- **For storage either lengthwise or crosswise**
- **4 hook agraffes** adjustable in 50 mm steps
- **Closed box sections** ensure high stability
- **Uprights** are made of cold-worked sections, which are bolted together with the cross-bracing on site
- Uprights galvanised, in RAL 5010 gentian blue on request; beams in RAL 2001 red-orange
- **Scope of supply of basic rack unit:**  
2 uprights incl. floor anchors, beams as listed
- **Scope of supply of add-on unit:**  
1 upright incl. floor anchor, beams as listed

- **Item No. 93239 · Complete rack META MULTIPAL® 'light'**  
Total price as shown (without decoration and protector)  
Outside dimensions (H x L x D) 3.300 x 5.655 x 1.100 mm  
3 uprights SR 85/17 x 3.300 x 1.100 mm, 8 beams HN 85/15 x 2.700 mm  
Shelf load up to 1.500 kg, bay load up to 7.500 kg

- **Item No. 93240 · Complete rack META MULTIPAL® 'medium'**  
Total price as shown (without decoration and protector)  
Outside dimensions (H x L x D) 3.300 x 5.655 x 1.100 mm  
3 uprights SR 85/17 x 3.300 x 1.100 mm, 8 beams HN 100/20 x 2.700 mm  
Shelf load up to 2.400 kg, bay load up to 7.500 kg

### Planning dimensions & load data

**Overall width:** Basic rack unit = Beam length + 170 mm  
Add-on unit = Beam length + 85 mm

**Overall depth:** = Frame depth

**Bay load:** up to 7.500 kg for max. unsupported length 1.000 mm  
**Shelf load:** up to 2.400 kg for max. unsupported length 1.000 mm

### Note on safety:

Shelf load data apply for evenly distributed loads.  
Additional shelf levels possible up to maximum bay load.  
The shelf and bay load data apply for rack units with at least 4 bays and at least 2 beam pairs installed.

**Quality features** according to trade association guideline UVV BGR234. Permanent factory testing as defined in DIN EN ISO 9001.



**For the META MULTIPAL® range of accessories, see Pages 105 – 110**

# META MULTIPAL® Pallet Racks

## Suggested Orders for Light to Medium Loads

### Complete META MULTIPAL® range, for light to medium loads

Storage levels plus floor level · Load data for shelf height 1000 mm

Uprights galvanised, beams RAL 2001 red-orange

Height mm	Length mm	Depth mm	Number of levels	Beam Type	Shelf load kg	Bay load kg	galvanised			
							Basic rack unit		Add-on unit	
							Item No.	€	Item No.	€
2700	1800	800	2	85/15	2200	6650	■ 93173		■ 93174	
2700	1800	1100	2	85/15	2200	6650	■ 93189		■ 93190	
2700	2700	800	2	85/15	1500	3700	■ 93181		■ 93182	
2700	2700	1100	2	85/15	1500	3700	■ 93197		■ 93198	
2700	2700	800	2	100/20	2400	5800	■ 93231		■ 93232	
2700	2700	1100	2	100/20	2400	5800	■ 93223		■ 93224	
3300	1800	800	2	85/15	2200	6650	■ 93175		■ 93176	
3300	1800	1100	2	85/15	2200	6650	■ 93191		■ 93192	
3300	2700	800	2	85/15	1500	3700	■ 93183		■ 93184	
3300	2700	1100	2	85/15	1500	3700	■ 93199		■ 93200	
3300	2700	800	2	100/20	2400	5800	■ 93233		■ 93234	
3300	2700	1100	2	100/20	2400	5800	■ 93225		■ 93226	
4400	1800	800	3	85/15	2200	7500	■ 93177		■ 93178	
4400	1800	1100	3	85/15	2200	7500	■ 93193		■ 93194	
4400	2700	800	3	85/15	1500	5500	■ 93185		■ 93186	
4400	2700	1100	3	85/15	1500	5500	■ 93201		■ 93202	
4400	2700	800	3	100/20	2400	7500	■ 93235		■ 93236	
4400	2700	1100	3	100/20	2400	7500	■ 93227		■ 93228	
5500	1800	800	3	85/15	2200	7500	■ 93179		■ 93180	
5500	1800	1100	3	85/15	2200	7500	■ 93195		■ 93196	
5500	2700	800	3	85/15	1500	5500	■ 93187		■ 93188	
5500	2700	1100	3	85/15	1500	5500	■ 93203		■ 93204	
5500	2700	800	3	100/20	2400	7500	■ 93237		■ 93238	
5500	2700	1100	3	100/20	2400	7500	■ 93229		■ 93230	



**Uprights are supplied disassembled!**

### Frames SR 85/17 · Surface galvanised

max. bay load for shelf height 1000 mm

Height mm	Bay load kg	Uprights 85/17			
		Depth 800 mm		Depth 1100 mm	
		Item No.	€	Item No.	€
2700	7500	■ 93508		■ 93512	
3300	7500	■ 93509		■ 93513	
4400	7500	■ 93510		■ 93514	
5500	7500	■ 93511		■ 93515	

### Beams · Surface RAL 2001 red-orange

Length mm	Load capacity per pair kg	Section	Beam	
			Item No.	€
1800	2200	85/15	■ 92841	
2700	1500	85/15	■ 92844	
2700	2400	100/20	■ 78863	



# META MULTIPAL® Wide-Span Racks



## Suggested Orders with Steel Panels



- **Wide-span rack with steel panels** for storing light to medium weight piece goods, not suitable for storing pallets
- **For storage either lengthwise or crosswise**
- **4 hook agraffes** adjustable in 50 mm steps
- **Closed box sections** ensure high stability
- **Frames** supplied disassembled, are made of cold-worked sections, which are bolted together with the cross-bracing on site;  
**Upright type:** 85/20
- Uprights galvanised, in RAL 5010 gentian blue on request;  
Beams in RAL 2001 red-orange



### ■ Scope of supply of basic rack unit:

2 uprights incl. floor anchors, beams as listed, steel panel

### ■ Scope of supply of add-on unit:

1 upright incl. floor anchors, beams as listed, steel panel

## Suggested orders for META MULTIPAL® wide-span racks

Height mm	Width mm	Depth mm	Number of levels	Beam Type	Shelf load kg	Bay load kg	Galvanised		Additional shelf:	
							Basic rack unit	Add-on unit	Steel panel + beams	
							Item No.	Item No.	Item No.	€
2200	1800	800	3	85/20	1800	8990	■ 77521	■ 77539	■ 77557	
2200	1800	1100	3	85/20	1800	8990	■ 77524	■ 77542	■ 77558	
2200	2200	800	3	85/20	1856	8990	■ 77527	■ 77545	■ 77559	
2200	2200	1100	3	85/20	1856	8990	■ 77530	■ 77548	■ 77560	
2200	2700	800	3	120/20	2400	8990	■ 77533	■ 77551	■ 77561	
2200	2700	1100	3	120/20	2400	8990	■ 77536	■ 77554	■ 77562	
2700	1800	800	4	85/20	1800	8990	■ 77522	■ 77540	■ 77557	
2700	1800	1100	4	85/20	1800	8990	■ 77525	■ 77543	■ 77558	
2700	2200	800	4	85/20	1856	8990	■ 77528	■ 77546	■ 77559	
2700	2200	1100	4	85/20	1856	8990	■ 77531	■ 77549	■ 77560	
2700	2700	800	4	120/20	2400	8990	■ 77534	■ 77552	■ 77561	
2700	2700	1100	4	120/20	2400	8990	■ 77537	■ 77555	■ 77562	
3300	1800	800	5	85/20	1800	8990	■ 77523	■ 77541	■ 77557	
3300	1800	1100	5	85/20	1800	8990	■ 77526	■ 77544	■ 77558	
3300	2200	800	5	85/20	1856	8990	■ 77529	■ 77547	■ 77559	
3300	2200	1100	5	85/20	1856	8990	■ 77532	■ 77550	■ 77560	
3300	2700	800	5	120/20	2400	8990	■ 77535	■ 77553	■ 77561	
3300	2700	1100	5	120/20	2400	8990	■ 77538	■ 77556	■ 77562	

### Planning dimensions & load data

**Overall width:** Basic rack unit = Beam length + 170 mm  
Add-on unit = Beam length + 85 mm

**Overall depth:** = Frame depth

**Bay load:** up to 8.990 kg with shelf height ≤ 1.500 mm  
higher bay loads on request

**Bay load:** max. 2.400 kg (see above table)

### Note on safety:

The shelf and bay load data apply for evenly distributed loads on at least 4 bays with 2 beam pairs.

**Important!** Steel panel shelves are not suitable for storing pallets!



For the META MULTIPAL® range of accessories, see Pages 105 – 110



- Modern, mature pallet rack system for storing medium weight pallets or piece goods
- For storage either lengthwise or crosswise
- Upright type: 85/20 · Uprights disassembled for easy transport  
Uprights galvanised, Beams plastic-coated in RAL 2001 red-orange
- 4 hook agraffes adjustable in 50 mm steps
- Mounting accessories included
- Basic rack unit with 2 uprights  
Add-on unit with 1 upright
- For pallet weights up to 750 kg

### META MULTIPAL® pallet rack complete range (2 bays)

Height mm	Width mm	Depth mm	Number of levels	Beam Type	Shelf load kg	Bay load kg	Complete range Item No.	€
3300	5655	1100	2	100/20	2250	8260	79657	

### META MULTIPAL® pallet racks

Height mm	Width mm	Depth mm	Number of levels	Beam Type	Shelf load kg	Bay load kg	Basic rack unit Item No.	€	Add-on unit Item No.	€
3300	1800	1100	2	85/20	2650	8260	77501		77502	
3300	2700	1100	2	100/20	2250	8260	77507		77508	
4400	1800	1100	3	85/20	2650	8260	77503		77504	
4400	2700	1100	3	100/20	2250	8260	77509		77510	

#### Planning dimensions & load data

**Overall width:** Basic rack unit = Beam length + 170 mm  
Add-on unit = Beam length + 85 mm

**Overall depth:** = Frame depth

**Bay load:** up to 8.260 kg

**Shelf load:** max. 2.650 kg (see above table)

#### Note on safety:

The shelf and bay load data apply for evenly distributed loads and a max. shelf height of 1500 mm.

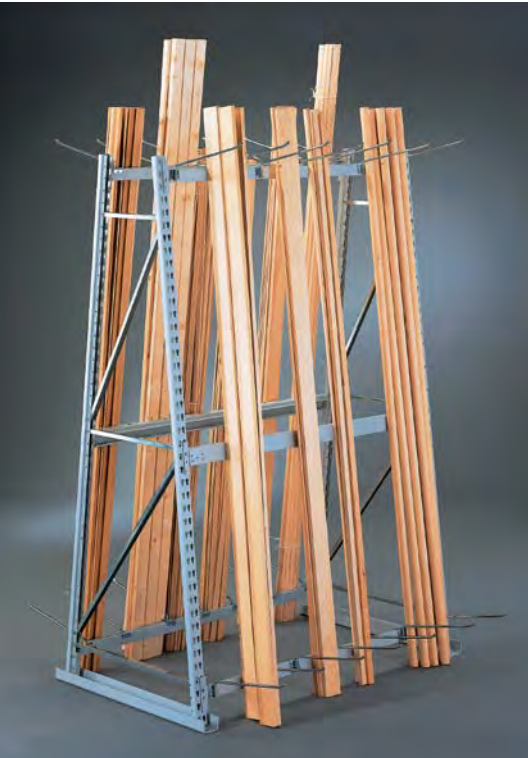
**Storage levels** = Number of shelves + floor level



For the META MULTIPAL® range of accessories, see Pages 105 – 110

# META MINI-RACK® A-Frame Racks

## Suggested Orders For Light Goods



- **Suitable for vertical storage of light goods**  
such as profiled timbers, strips, panels etc.
- **Clip-on holders** (separating arms)/depth: 400 mm
- **Angle of inclination of uprights:** 6°  
**max. lateral load supported:** 50 kg  
**max. vertical load:** 475 kg per bay
- **Surfaces:** Frame RAL 7035, light grey  
Bracing galvanised, Beams RAL 7035 light grey,  
Clip-on holders (separating arms) galvanised
- **Important!** Clip-on holders are not included in the supply.

Frames are supplied disassembled!

### A-frame rack

Height mm	Length mm	Depth mm	Type	Basic rack unit		Add-on unit	
				Item No.	€	Item No.	€
2200	1400	500	Single rack	■ 76673		■ 76674	
2500	1400	500	Single rack	■ 76675		■ 76676	
3000	1400	500	Single rack	■ 76677		■ 76678	
2200	1400	800	Double rack	■ 76686		■ 76687	
2500	1400	800	Double rack	■ 76688		■ 76689	
3000	1400	800	Double rack	■ 76690		■ 76691	

### Clip-on holders (separating arms)

Length mm	Galvanised Item No.	€
400	■ 74090	



### Planning dimensions & load data

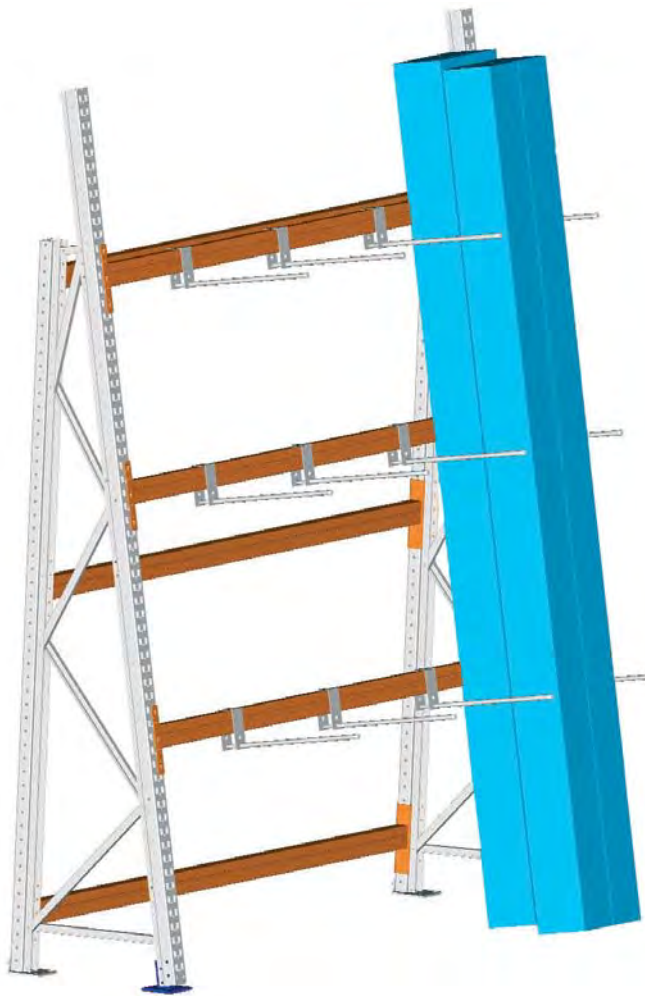
- Basic unit** = Nom. length + 107 mm  
**Add-on unit** = Nom. length + 51 mm

Note on safety:

Racks with a height/depth ratio of  $\geq 5:1$  should be secured to prevent tilting.  
2 floor anchors per frame.

# META MULTIPAL® A-Frame Racks

## Suggested Orders for Heavy Goods



■ **Optimal for vertical storage** of heavy profiled timbers, strips, panels, rod materials etc.

■ Uprights and beams support high loads

■ Angle of inclination of uprights: 10° max.  
max. lateral load supported: 200 kg  
max. vertical load: 1135 kg per bay

■ **Surface:**

Uprights: galvanised  
Beams: RAL 2001 red-orange

■ **Surface of accessories:**

Separating arms: galvanised  
Dividers: RAL 2001 red-orange

■ **Scope of supply of basic unit:**

2 uprights  
5 beams  
Small parts + mounting material  
without separating arms/dividers

**Scope of supply of add-on unit:**

as for basic unit but with 1 upright



**Frames are supplied disassembled!**

## META MULTIPAL® A-Frame Racks

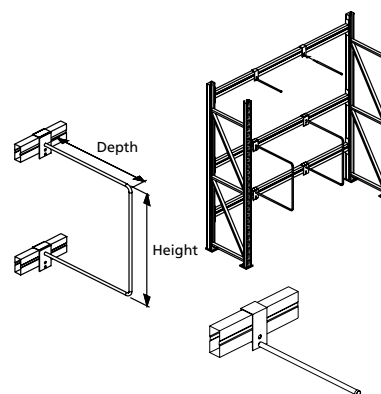
Height mm	Length mm	Depth mm	Type	Basic rack unit		Add-on unit	
				Item No.	€	Item No.	€
3300	2700	700	Single rack	■ 91518		■ 91519	
3300	2700	1400	Double rack	■ 91522		■ 91523	

## Divider

Description	RAL 2001	
	Item No.	€
Complete, surface RAL 2001 red-orange plastic-coated, depth 750 mm, height 800 mm	■ 80766	

## Separating arm

Description	Length mm	Galvanised	
		Item No.	€
Complete, galvanised surface	500	■ 79742	
	750	■ 79743	



## Note on safety:

Racks with a height/depth ratio of  $\geq 5:1$  should be secured to prevent tilting.

Dividers/separating arms can be used only with beam types 85 – 120.



■ on stock

■ two weeks ex works

■ on request

# META Practical Solutions: Mainova AG, Frankfurt

Sector: Regional Supplier



At the regional supplier Mainova AG, a 5,65 m high three-tier META QUICK® shelving system with more than 1600 shelves has been installed



The 7.4 m high drive-in META MULTIBLOC® pallet racking system provides a total of 2190 storage places



To ensure smooth order picking, 2 offices and a sales counter were integrated with the shelving system

# META Practical Solutions: Mainova AG, Frankfurt

Sector: Regional Supplier

Mainova AG supplies about 460.000 homes in Frankfurt and surrounding area with electricity, gas, heating and water. Among its most well-known customers are the Frankfurt airport and the city's numerous server farms.

To ensure the supply of replacement parts and also support the expansion of their services network, Mainova AG decided to construct a new building for their main warehouse. Great importance was placed on easy accessibility to the 4.500 different items, and on a high level of safety.

The optimal solution developed by META includes the use of four different racking systems, all of them made by the META manufacturers themselves. The main units make up a two-tier shelving system and a mobile pallet racking system.

## Project targets

- Clearly arranged, compact storage of 4.500 different items
- Short travel times
- Allow for items with high tare weights
- High level of safety and comfortable working conditions for 18 warehouse workers



## Solution

- More than 1600 shelves installed in a two-tier 5,65 m high system.
- A 7,4 m high, mobile pallet racking system consisting of 2 stationary units and 8 carriages, ensuring optimal utilisation of space. A total of 2.190 storage places were provided.
- The shelf loads of 330 kg and pallet loads of 3 t allowed storage of especially heavy goods.
- Wide-span and cantilever racks were provided to accommodate long goods.
- Completely new system modules were developed specially for Mainova.
- Increased safety was achieved through the use of light barriers that detect stacker trucks, anti-slip studded rubber surfaces, mesh pallets and covered personnel walkway.
- Integration of 2 offices and a sales counter ensure smooth order picking

**"I would work with META again any time"**

**"META supplied us with the greatest variety of rack types from one source"**

(Feedback from Gerhard Lust, warehousing manager at Mainova AG)

*The drive-in META MULTIBLOC® pallet racking system consists of 2 stationary units and 8 carriages*



Pallet racks

*The optimal solution for Mainova was produced by a combination of shelving systems and mobile pallet racks*



# META Practical Solutions: at Fetra, Borgholzhausen

Sector: Transport equipment



The extended Fetra warehouse is a showcase of the larger, more modern and more efficient warehouse. META set the META MULTIPAL® and META MULTILINE S® systems on steel platforms.



The Fetra staff operate the META MULTIPAL® S system with an automatic induction-driven swing mast stacker truck.

Fetra gives an impressive showcase presentation of its broad product range. Fetra is among the worldwide leading manufacturers of branded transport equipment.

# META Practical Solutions: at Fetra, Borgholzhausen

Sector: Transport equipment

Fetra is one of the leading manufacturers of transport carriages and trucks made of steel, aluminium and stainless steel, and produces transport equipment of the highest quality which is distinguished by exceptional functionality, maximum comfort and clear design. From office trolleys to carriages with a load capacity of 24 tons: The Fetra range consists of more than 1000 items.

With its intelligent warehouse logistics, Fetra has completed the modernisation of its product flows. Working in collaboration with the rack system manufacturer META-Regalbau, Fetra has developed an innovative warehouse concept, in order to speed up product flows and handle the increased demand for carriages, trolleys and lift trucks even more quickly.

## ■ Room for non-standard packages

For storing packages, META installed a META MULTIPAL® S with 120 storage places. To this were added gratings on which Fetra could also store bulky and non-standard packages with no problems. The gratings are distinguished by their high load capacity and high transparency. If necessary, the capacity of the package storeroom can be increased to 240 storage spaces by means of additional roller tracks.

### ■ Data and facts

#### 1. META steel platform

Length:	31180 mm
Width:	6140 mm
Height of steel structure: (incl. 500 mm pit)	2740 mm
Load capacity of grating shelf:	350 kg/m <sup>2</sup>

#### 2. META MULTILINE® S

Capacity:	250 storage places
Max. special pallet load:	450 kg
Clear bay width:	2700 mm
Rack height:	6600 mm
5 levels one over the other	
10 special pallets one behind the other	

#### 3. META MULTIPAL® S

Pallet rack capacity:	240 storage places
Max. pallet load:	500 kg
Rack height:	6000 mm
Continuous grating	



## ■ Perfect work processes thanks to gravity flow pallet racks

META also installed a MULTILINE® S gravity flow pallet racking system with 250 storage places for storing fork-lift trucks. Fetra developed a special charge carrier, which can support fork-lift trucks in batches of up to six. The First-in-First-out (FiFo) principle is applied for storage. "We mostly store more than 1000 trucks. This is particularly important, as the first trucks to be produced are also the first to be sold", said Jochen Fechtel, sales director at Fetra. Saving on costs through shorter travel and working times is one of the main advantages of the META MULTILINE® S gravity flow pallet rack. The system can also increase the handling speeds.

## ■ Steel platforms are the common base

META placed both racking systems on steel platforms. The platforms are supported by a total of 33 structural steel sections, which are sunk half a metre into the warehouse floor. The reason for this expensive form of construction is the conveyor belt under the platforms, on which Fetra transports its MultiVario transporters directly from production to the warehouse exit.

**"From the earliest planning stages through to startup, META worked beside us as a reliable partner"**

(Jochen Fechtel, sales director at Fetra)

*The META MULTIPAL® S and META MULTILINE S® systems are set on steel platforms.*



*Underneath the rack systems is located the conveyor belt system for the Fetra MultiVario transporters*

Pallet racks

# META Cable Reel Racks

## Case studies



- The META – Cable Reel rack system enables the efficient storage, handling and visible control of all types of cable supplied from the reel.
- META A-Frame Cable Reel Racks are particularly suited to the storage and display of cabling and tubing in a Trade Wholesale environment.
- The bolted framed system allows racks adapted to meet varying requirements.
- All accessories are easy to install into the racks.





## for bulky objects laid horizontally...

- **The optimal solution for all types of long goods storage** from rows of small compact racks (single and double sided) for light to medium weight long goods, through to towers of cantilever racks for heavy timber sections and strips
- **Top class solid brand quality**
- **Complete safety** down to the last detail
- **Built-in expansion options** and made-to-measure individual solutions
- **Quicker access to goods**
- **Surface:** RAL 5010 gentian blue
- **Dimensional variants for META ATLAS® ST:**
  - Standard height of uprights:** 2.000 mm
  - Standard spacing:** 1.350 mm
  - Standard cantilever depth:** 150 – 500 mm
  - Cantilever load:** 150 – 200 kg<sup>1)</sup>

- **Dimensional variants for META MULTISTRONG®:**
  - Standard height of uprights:** 2.000, 2.500, 3.000 mm
  - Standard spacing:** 1.030, 1.330 mm
  - Standard cantilever depth:**
    - META MULTISTRONG® L:** each 400, 500, 600 mm
    - META MULTISTRONG® M:** each 400, 500, 600 and 800 mm

### Cantilever load:

- META MULTISTRONG® L:** up to 220 kg<sup>1)</sup>
- META MULTISTRONG® M:** up to 535 kg<sup>1)</sup>

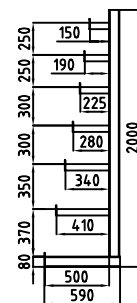
### Load on uprights for cantilevered levels:

- META MULTISTRONG® L:** up to 1.750 kg (single side)  
up to 3.500 kg (double side)
- META MULTISTRONG® M:** up to 2.880 kg (single side)  
up to 5.760 kg (double side)

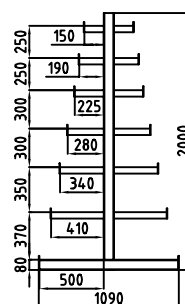
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<sup>1)</sup> with evenly distributed load





Long goods single



Long goods double

- **Cantilever arms with varying arm lengths**  
(shortening towards the top)
- **The welded cantilever uprights** are made of hot-rolled and cold-rolled steel sections

- Flexible solution for the horizontal storage of long and heavy goods
- **Spacing: 1.350 mm**  
(distance between the centres of cantilever uprights)

### Long goods rack META ATLAS® ST single sided • Load capacity per arm 150 kg • RAL 5010 gentian blue

Height mm	Length mm	Depth mm	Number of arms	Quantity Uprights	Upright load single side kg	Foot plate load, single side kg	Item No.	€
2000	2700	500	6	3	900	750	■ 97843	
2000	4050	500	6	4	900	750	■ 97844	
2000	5400	500	6	5	900	750	■ 97845	
2000	6750	500	6	6	900	750	■ 97846	

### Long goods rack META ATLAS® ST double sided • Load capacity per arm 150 kg • RAL 5010 gentian blue

Height mm	Length mm	Depth mm	Number of arms	Quantity Uprights	Upright load single side kg	Foot plate load, single side kg	Item No.	€
2000	2700	500	2 x 6	3	900	750	■ 97847	
2000	4050	500	2 x 6	4	900	750	■ 97848	
2000	5400	500	2 x 6	5	900	750	■ 97849	
2000	6750	500	2 x 6	6	900	750	■ 97850	

#### Planning dimensions & load data

**Spacing:** 1.350 mm (distance between the centres of cantilever uprights)  
**Overall length:** Nom. length + 46 mm  
**Overall depth:** single-sided = 590 mm double-sided = 1.090 mm

The depth indicated in the tables is the useful depth of the longest arm on each side.  
 The useful depth of the arms on each side is 150 – 410 mm.



## System description

### MULTISTRONG L & M

- **Complete safety** down to the last detail
- **Lift lock** secures the cantilever arms to prevent them from lifting off accidentally when goods are placed or removed



The adjusting screw is tightened to produce an even tilt. In this way, round materials roll automatically toward the uprights. It also produces a firm connection between the cantilever arm and the upright.

High load capacity through intelligent profiling technology with low use of materials



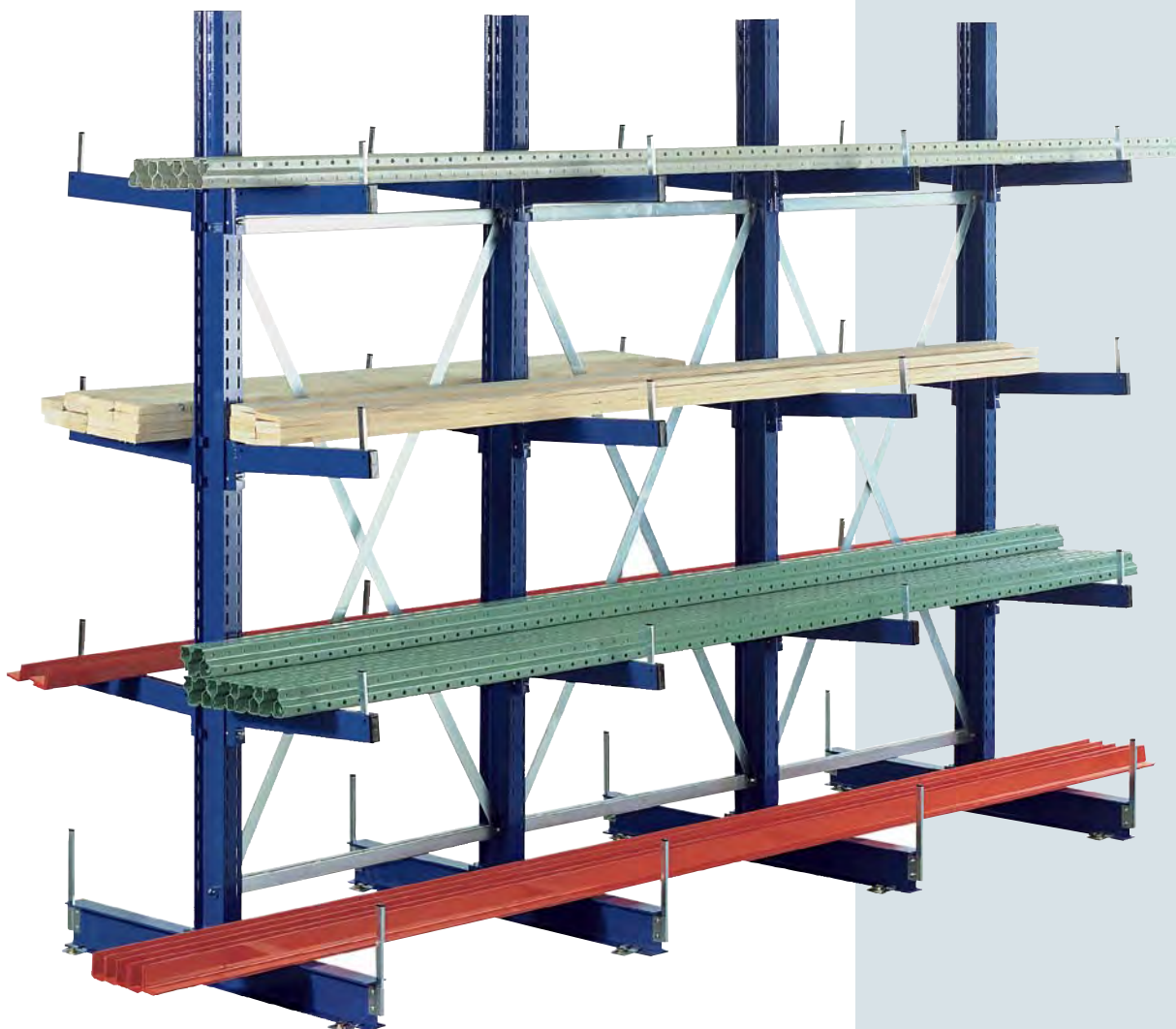
The end stops are inserted in the cantilever arms. They cannot be knocked out unintentionally from beneath. The cantilever arms have punch holes at 100 mm intervals.



### META MULTISTRONG® L

- **L = light load capacity** of the cantilever arms
- **Hot-rolled sections IPE 120** – punched on both sides for subsequent conversion from single-side to double-sided; in this case only the foot section needs to be replaced
- **Foot level storage** up to 5 times the load capacity of the cantilever arms
- Cantilever arm positions adjustable in 50 mm steps, cross-section 40 x 30 mm
- Bracing in each bay (basic rack unit/add-on unit system) for easiest possible assembly and secure stability
- **Dimensional variants:**
  - Standard height of uprights: 2.000, 2.500, 3.000 mm
  - Standard spacing: 1.030, 1.330 mm
  - Standard cantilever arm depth: each 400, 500, 600 mm
- **Cantilever load:** up to 220 kg<sup>1)</sup>
- **Load on uprights for cantilevered levels:**
  - single side: up to 1.750 kg
  - double side: up to 3.500 kg

<sup>1)</sup> with evenly distributed load



## META MULTISTRONG® M

- **M = medium load capacity** of the cantilever arms
- **Hot-rolled sections IPE 140** – punched on both sides for subsequent conversion from single-side to double-sided; in this case only the foot section needs to be replaced
- **Foot level storage** up to 5 times the load capacity of the cantilever arms
- Cantilever arm positions adjustable in 50 mm steps, cross-section 70 x 30 mm
- Bracing in each bay (basic rack unit/add-on unit system) for easiest possible assembly and secure stability
- **Dimensional variants:**
  - Standard height of uprights: 2.000, 2.500, 3.000 mm
  - Standard spacing: 1.030, 1.330 mm
  - Standard cantilever arm depth: each 400, 500, 600, 800 mm
- **Cantilever load:** up to 535 kg<sup>1)</sup>
  - Load on uprights for cantilevered levels:**
  - single side: up to 2.880 kg
  - double side: up to 5.760 kg

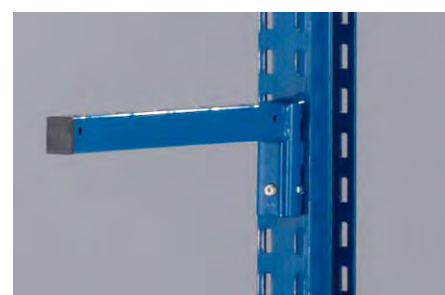
# META MULTISTRONG® L Cantilever Racks



Suggested orders 'Light'



- Rack for **light** load requirements
- For horizontal/vertical storage of long goods, and storage of timber strips and panels
- Hot-rolled sections **IPE 120** punched on both sides for subsequent conversion from single-side to double-sided; in this case only the foot section needs to be replaced
- **Cantilever arms** adjustable in 50 mm steps
- **Top class solid brand quality**
- **Complete safety** down to the last detail
- **Built-in expansion options** and made-to-measure individual solutions
- **Quicker access to goods**
- **Lift lock** secures the cantilever arms to prevent them from lifting off accidentally when goods are placed or removed



*Cantilever arm inserted and fastened with a locking screw, height adjustable at any time, and rack can be converted at a later time*

## Planning dimensions & load data

<b>Length of basic unit:</b>	Spacing + 64 mm
<b>Depth of single-sided rack:</b>	Nom. length + 210 mm
<b>Depth of double-sided rack:</b>	2x nom. depth + 220 mm
<b>Foot load = 5 x arm load</b>	

## Note on safety:

If height/depth ratio  $\geq 5 : 1$ , or the operating conditions so require, then floor anchoring is required.



For the META MULTIPAL® range of accessories, see Pages 132 – 133

# META MULTISTRONG® L Cantilever Racks

## META MULTISTRONG® L IPE 120 · Spacing 1030 mm · RAL 5010 gentian blue

Height mm	Length mm	Depth mm	Quantity Arms	Arm load kg	Upright load	single-sided rack		double-sided rack	
					single sided	Basic rack unit	Add-on unit	Basic rack unit	Add-on unit
					kg	Item No.	€	Item No.	€
2000	1000	400	4	220	1750	74937	74943	75020	75021
2000	1000	500	4	175	1450	74945	74947	75022	75023
2000	1000	600	4	140	1300	74948	74949	75024	75025
2500	1000	400	4	220	1610	74977	74978	75035	75036
2500	1000	500	4	175	1300	74979	74980	75037	75038
2500	1000	600	4	140	1120	74981	74982	75039	75041
3000	1000	400	5	220	1500	98097	98098	98103	98104
3000	1000	500	5	175	1200	98099	98100	98105	98106
3000	1000	600	5	140	1000	98101	98102	98107	98108

## META MULTISTRONG® L IPE 120 · Spacing 1330 mm · RAL 5010 gentian blue

Height mm	Length mm	Depth mm	Quantity Arms	Arm load kg	Upright load	single-sided rack		double-sided rack	
					single sided	Basic rack unit	Add-on unit	Basic rack unit	Add-on unit
					kg	Item No.	€	Item No.	€
2000	1300	400	4	220	1750	75001	75002	75042	75043
2000	1300	500	4	175	1450	75003	75004	75044	75045
2000	1300	600	4	140	1300	75005	75006	75046	75047
2500	1300	400	4	220	1610	75013	75014	75056	75057
2500	1300	500	4	175	1300	75015	75016	75058	75059
2500	1300	600	4	140	1120	75017	75018	75060	75061
3000	1300	400	5	220	1500	98109	98110	98115	98116
3000	1300	500	5	175	1200	98111	98112	98117	98118
3000	1300	600	5	140	1000	98113	98114	98119	98120

## Cantilever uprights L IPE 120 · RAL 5010 gentian blue

Height mm	Depth mm	Arm load kg	Upright load	Uprights		Uprights	
			single sided	single sided	double sided	Item No.	€
			kg	kg	Item No.	€	
2000	400	220	1750	74848	74857		
2000	500	175	1450	74849	74858		
2000	600	140	1300	74850	74859		
2500	400	220	1610	74854	74863		
2500	500	175	1300	74855	74864		
2500	600	140	1120	74856	74865		
3000	400	220	1500	98025	98028		
3000	500	175	1200	98026	98029		
3000	600	140	1000	98027	98030		

## Bracing complete

Description	Dimensions	Galvanised	
	mm	Item No.	€
Complete, galvanised surface	1030	74898	
	1330	74899	

## Additional cantilever arm L, height 40 mm

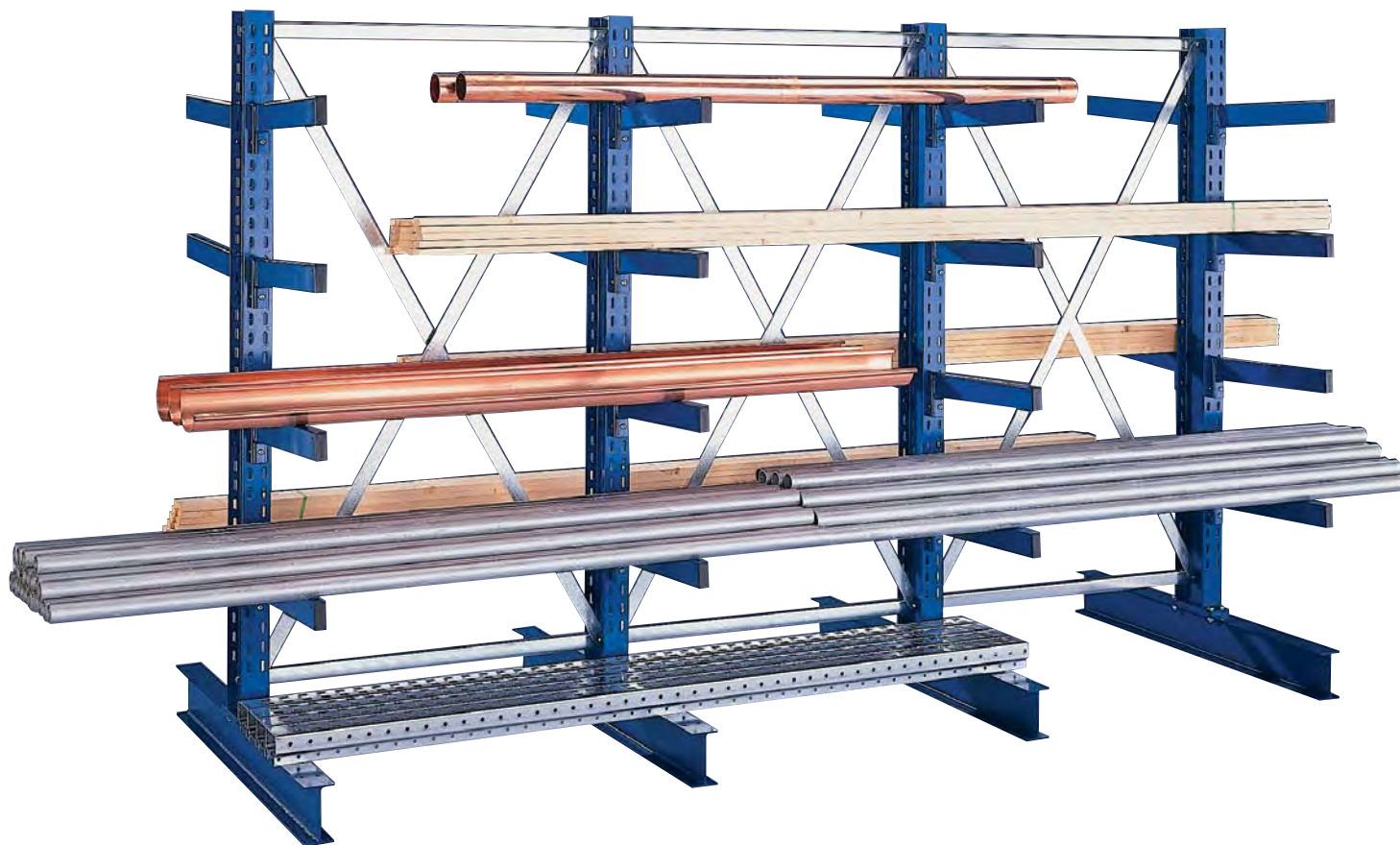
Description	Depth mm	Load kg	RAL 5010	
			Item No.	€
Complete with plastic cap	400	220	74891	
RAL 5010 gentian blue	500	175	74892	
	600	140	74893	



# META MULTISTRONG® M Cantilever Racks



Suggested orders 'Medium'



- Rack for **medium** load requirements
- For horizontal/vertical storage of long goods, and storage of timber strips and panels
- Hot-rolled sections **IPE 140** punched on both sides for subsequent conversion from single-side to double-sided; in this case only the foot section needs to be replaced
- **Cantilever arms** adjustable in 50 mm steps
- **Top class solid brand quality**
- **Complete safety** down to the last detail
- **Built-in expansion options** and made-to-measure individual solutions
- **Quicker access to goods**
- **Lift lock** secures the cantilever arms to prevent them from lifting off accidentally when goods are placed or removed



Cantilever arm inserted and fastened with a locking screw, height adjustable at any time, and rack can be converted at a later time

## Planning dimensions & load data

<b>Length of basic unit:</b>	Spacing + 73 mm
<b>Depth of single-sided rack:</b>	Nom. length + 230 mm
<b>Depth of double-sided rack:</b>	2x nom. depth + 240 mm
<b>Foot load = 5 x arm load</b>	

## Note on safety:

If height/depth ratio is  $\geq 5 : 1$  or the operating conditions so require, then floor anchoring is required.



For the META MULTIPAL® range of accessories, see Pages 132 – 133

# META MULTISTRONG® M Cantilever Racks

## META MULTISTRONG® M IPE 140 · Spacing 1030 mm · RAL 5010 gentian blue

Height mm	Length mm	Depth mm	Quantity Arms	Arm load kg	Upright load	single-sided rack		double-sided rack	
					single sided	Basic rack unit	Add-on unit	Basic rack unit	Add-on unit
					kg	Item No.	€	Item No.	€
2000	1000	400	4	535	2880	75063	75065	75117	75118
2000	1000	500	4	430	2340	75066	75067	75119	75120
2000	1000	600	4	355	2000	75068	75069	75121	75122
2000	1000	800	4	250	1650	75070	75071	75123	75124
2500	1000	400	4	535	2500	75072	75073	75125	75126
2500	1000	500	4	430	2200	75074	75075	75127	75128
2500	1000	600	4	355	1900	75076	75077	75129	75130
2500	1000	800	4	250	1500	75078	75079	75131	75132
3000	1000	400	5	535	2300	75080	75081	75134	75135
3000	1000	500	5	430	2000	75082	75083	75136	75137
3000	1000	600	5	355	1750	75084	75085	75138	75139
3000	1000	800	5	250	1250	75086	75087	75140	75141

## META MULTISTRONG® M IPE 140 · Spacing 1330 mm · RAL 5010 gentian blue

Height mm	Length mm	Depth mm	Quantity Arms	Arm load kg	Upright load	single-sided rack		double-sided rack	
					single sided	Basic rack unit	Add-on unit	Basic rack unit	Add-on unit
					kg	Item No.	€	Item No.	€
2000	1300	400	4	535	2880	75088	75089	75142	75143
2000	1300	500	4	430	2340	75090	75091	75144	75145
2000	1300	600	4	355	2000	75092	75093	75146	75147
2000	1300	800	4	250	1650	75094	75095	75148	75149
2500	1300	400	4	535	2500	75100	75102	75150	75151
2500	1300	500	4	430	2200	75103	75104	75152	75153
2500	1300	600	4	355	1900	75105	75106	75154	75155
2500	1300	800	4	250	1500	75107	75108	75156	75157
3000	1300	400	5	535	2300	75109	75110	75158	75159
3000	1300	500	5	430	2000	75111	75112	75160	75161
3000	1300	600	5	355	1750	75113	75114	75162	75163
3000	1300	800	5	250	1250	75115	75116	75164	75165

## Cantilever uprights M IPE 140 · RAL 5010 gentian blue

Height mm	Depth mm	Upright load		Uprights		Uprights	
		Arm load	single sided	single sided		double sided	
		kg	kg	Item No.	€	Item No.	€
2000	400	535	2880	74866	74878		
2000	500	430	2340	74867	74879		
2000	600	355	2000	74868	74880		
2000	800	250	1650	74869	74881		
2500	400	535	2500	74870	74882		
2500	500	430	2200	74871	74883		
2500	600	355	1900	74872	74884		
2500	800	250	1500	74873	74885		
3000	400	535	2300	74874	74886		
3000	500	430	2000	74875	74887		
3000	600	355	1750	74876	74888		
3000	800	250	1250	74877	74889		

## Additional cantilever arm M, height 70 mm

Description	Depth mm	Load kg	RAL 5010 Item No.	€
Complete with plastic cap	400	535	74894	
RAL 5010 gentian blue	500	430	74895	
	600	355	74896	
	800	250	74897	

## Bracing complete

Description	Dimensions mm	Galvanised Item No.	€
Complete, galvanised surface	1030	74898	
	1330	74899	

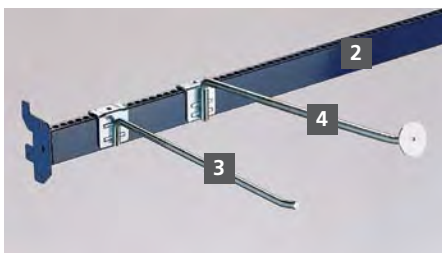
# META MULTISTRONG® Accessories

## Range of accessories



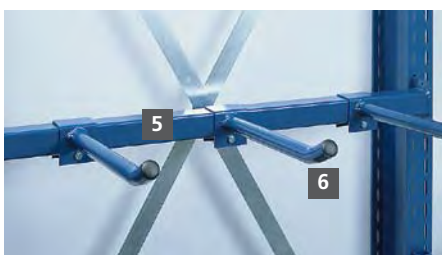
### 1 Upright foot plates · Surface RAL 5010 gentian blue

Depth mm	L IPE 120 Single foot		L IPE 120 Double foot		M IPE 140 Single foot		M IPE 140 Double foot	
	Item No.	€	Item No.	€	Item No.	€	Item No.	€
400	74805		74812		74816		74820	
500	74809		74814		74817		74821	
600	74811		74815		74818		74822	
800					74819		74823	



### 2 Support beam for clip-on holder

Description	Length mm	RAL 5010	
		Item No.	€
RAL 5010 gentian blue	1000	74900	
	1300	74901	



### 3 4 Clip-on holder

Description	Length mm	Galvanised	
		Item No.	€
3 Clip-on holder, galvanised	400	74090	
4 Clip-on holder with plate, galvanised	400	74091	

### 5 Support beam for tubular spigots

Description	Length mm	RAL 5010	
		Item No.	€
RAL 5010 gentian blue, load capacity 210 kg	1000	77989	
	1300	77990	

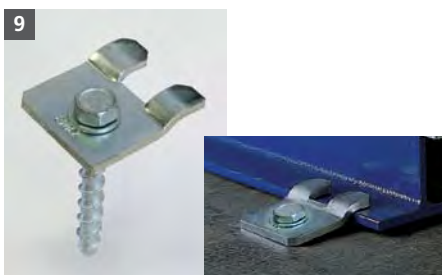
### 6 Tubular spigots

Description	Length mm	RAL 5010	
		Item No.	€
Tubular spigot, complete with accessories	400	77988	
RAL 5010 gentian blue, load capacity 70 kg			



### 7 End stops and end stop holder

Description	Height mm	Galvanised	
		Item No.	€
7 Clip-on end stops	170	74911	
	270	74912	
8 End stop holder for foot section		74913	



### 9 Foot anchoring

Description	Galvanised	
	Item No.	€
Clamp and anchor bolt, complete, 2 clamps required for each foot plate	74914	
Levelling plate 1.5 mm (not illustrated)	74833	

## Range of accessories

### 10 Base shelves

Description	Length mm	Depth mm	Load capacity kg	Galvanised Item No.	€
incl. screw connection	1000	400	500	■ 74903	
	1000	500	500	■ 74904	
	1000	600	500	■ 74905	
	1000	800	500	■ 74906	
incl. screw connection	1300	400	300	■ 74907	
	1300	500	300	■ 74908	
	1300	600	300	■ 74909	
	1300	800	300	■ 74910	



### 11 Shelves 100 kg · Length 1.000 mm

Description	Length mm	Depth mm	Load capacity kg	Galvanised Item No.	€
incl. screw connection	1000	400	115	■ 74915	
	1000	500	110	■ 74916	
	1000	600	100	■ 74917	



### 12 Shelves 230 kg · Length 1.000 and 1.300 mm

Description	Length mm	Depth mm	Load capacity kg	Galvanised Item No.	€
incl. screw connection	1000	400	230	■ 74919	
	1000	500	230	■ 74920	
	1000	600	230	■ 74921	
	1000	800	230	■ 74922	
incl. screw connection	1300	400	230	■ 74923	
	1300	500	230	■ 74924	
	1300	600	230	■ 74925	
	1300	800	230	■ 74926	



### 13 Shelves with reinforcers · Length 1.300 mm

Description	Length mm	Depth mm	Load capacity kg	Galvanised Item No.	€
with reinforcers	1300	400	300	■ 74927	
incl. screw connection	1300	500	400	■ 74928	
	1300	600	400	■ 74929	
	1300	800	270	■ 74930	



### 14 Shelves 300 kg · Length 1.000 mm

Description	Length mm	Depth mm	Load capacity kg	Galvanised Item No.	€
incl. screw connection	1000	400	330	■ 74931	
	1000	500	330	■ 74932	
	1000	600	330	■ 74933	
	1000	800	300	■ 74934	



# META MULTISTRONG® Cantilever Racks

## Case studies



# META MULTISTRONG® Cantilever Racks



Cantilever racks

# META MULTISTRONG® S Cantilever Racks

## Case studies



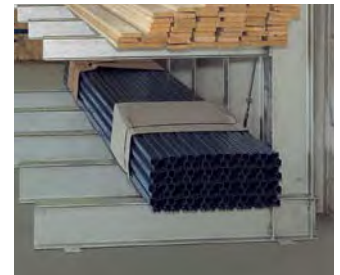
Cantilever racks

# META MULTISTRONG® S Cantilever Racks

## Case studies



- **S = heavy load capacity** of the cantilever rack
- **META MULTISTRONG® S** – cantilever rack solution for all goods sectors.
- **META MULTISTRONG® S** cantilever racks can also be placed on the mobile carriages of the **META MULTIBLOC®** mobile rack system. Please ask for our special brochure.



*e.g. heavy timber strips and heavy banded packs*

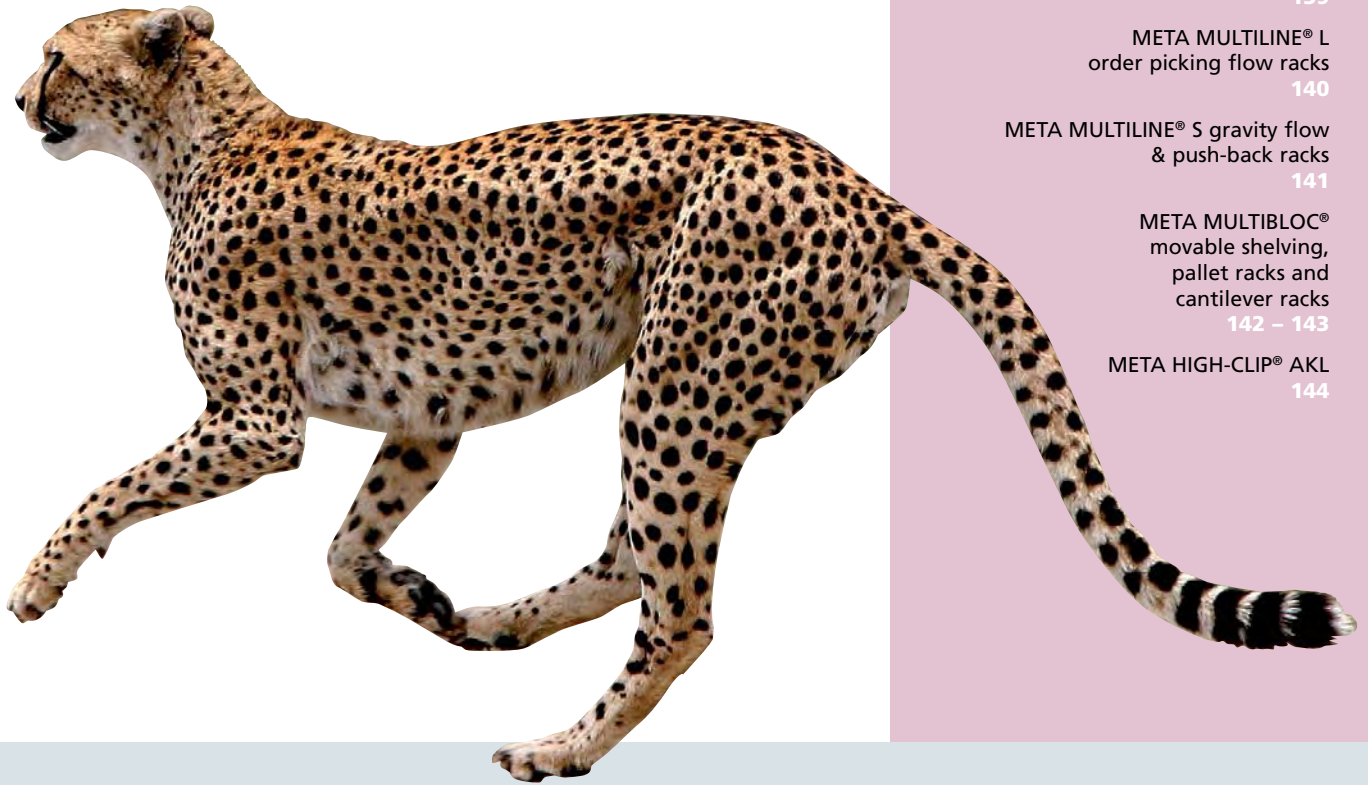


Cantilever racks

# META MULTISTRONG® Cantilever Racks

## Case studies





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META MULTILINE® L  
order picking flow racks  
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META MULTILINE® S gravity flow  
& push-back racks  
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META MULTIBLOC®  
movable shelving,  
pallet racks and  
cantilever racks  
142 – 143

META HIGH-CLIP® AKL  
144

## getting your logistics moving faster...

- The term **Dynamic Storage** applies to the following META systems:
  - **META MULTILINE® L and S gravity flow racks**
  - **METAMULTIBLOC®** movable shelving, pallet and cantilever racks
  - **META HIGH-CLIP® AKL**  
(automatic small parts store)

... you will find more information on the following pages. If you are interested, we would be pleased to send you our special brochures for each system, or give you individual advice.

# META MULTILINE® L Order Picking Gravity Flow Racks

## Order picking flow racks



**You can use the advantages of META gravity flow racks for piece goods as well!**

On **META MULTILINE® L** racks, your goods are stored compactly in transport containers. They flow automatically down to the order picking area, where they can be removed ergonomically.

**META MULTILINE® L** is available in numerous versions – as a separate, free-standing system or as a combination of pallet racking systems, multi-tier intermediate platforms and automatic small parts stores.

Each rack level can also be equipped with a computer-assisted order picking system.

Each solution is tailored to your specific needs and problems. With a few hand movements, the **META MULTILINE® L** can be easily extended or converted at any time.

These racks can be used just as well in food wholesale as in pharmaceuticals and toiletries, mail-order, the automotive industry, and many other sectors.

- **FIFO Principle** (First In First Out):
- The new goods are loaded on the feed side, from where they flow automatically to the take-off side where they can be removed.
- **Space savings of up to 30%**, high storage density with low space requirement
- Quicker access to the stored goods
- Ergonomic layout of work areas
- The charging and removal aisles are separated
- Time savings through use of own goods transport, shorter travel times and fewer obstructions
- Goods obsolescence is avoided
- Can be easily adapted to new goods at any time



**You can find more information about META MULTILINE® L racks on Pages 66 – 67 and about META MULTILINE® S racks on Page 149. We would also be pleased to send you our comprehensive catalogues about this subject. Please contact us!**



# META MULTILINE® S Gravity Flow & Push-Back Racks

## Gravity Flow & Push-Back Racks

Whether the **META MULTILINE® S** is used as a flow rack with the **FIFO principle** (First In First Out) or as a push-back rack with the **LIFO principle** (Last In First Out), the pallets are always ready to go.

A maximum of two service aisles is required, and the storage space requirement is reduced by 30% compared with similar conventional pallet racking systems.

The higher turnover rate due to the shorter distances within the warehouse, the simple way in which stored goods are allocated to their locations, the

clearer overview and compact form of storage make this an unbeatable system which takes the shortest time to pay for itself.

META gravity flow racking systems are modular in structure. Depending on the goods stored, they consist of a goods structure with roller tracks for the individual channels. These are slightly tilted toward the take-off side, so that the goods are moved by simple gravity without the need for a drive system.

### META MULTILINE® S flow rack

**FIFO principle** (First In First Out):

The new goods are loaded on the feed side, from where they flow automatically to the take-off side where they can be removed.

- Obsolescence is avoided, as the goods first loaded are also the first to be taken out
- Separation of the loading and removal aisles ensures trouble-free working and reduces accidents
- The removal of superfluous aisles frees up more usable space
- Time savings through use of own goods transport, shorter travel times and fewer obstructions
- Ideal for production series, batch tracing and keeping to shelf life specifications

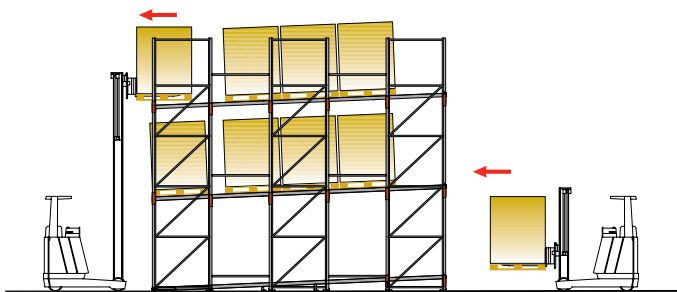
### META MULTILINE® S push-back racks

**LIFO principle** (Last In First Out):

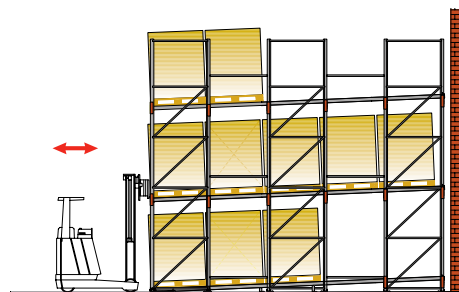
The META push-back rack is a variant of the gravity flow rack. It works by the LIFO principle. The stored goods are loaded and removed on one side only. When one pallet is removed, the tilt causes the next item to move to the entry side or exit side.

Goods are stored and removed on the same side, and are immediately ready to go.

- Only one stacker truck aisle is required, resulting in the most efficient utilisation of space
- Quicker access to stored goods
- Time savings through use of own goods transport, shorter travel times and fewer obstructions
- Optimal for goods without an expiry date



**FIFO principle** (First In First Out)



**LIFO principle** (Last In First Out)



# META MULTIBLOC® Mobile Shelving Units

The solution for your storage space problems!

**META MULTIBLOC® mobile shelving units** are available with boltless racking (META QUICK®) and bolted racking structures (META FIX®). These can be combined with stationary racks and can then be easily integrated with your existing storerooms.

We can design the optimal solution which is individually tailored to your particular needs.

## Main advantages of the META MULTIBLOC® mobile shelving system:

- Up to 50% savings on floor surface, for the same storage volume
- Up to 100% increase in storage capacity
- Lower storage costs compared with conventional shelving systems
- Quality assurance to RAL-RG 614/4 standard, with the GS symbol
- Access to individual places with maximum use of space
- Clear arrangement, with short access times
- Rack structures are built with the proven META QUICK®/META FIX® systems
- Optimal for storing:
  - Plastic boxes, small load carriers, transparent storage bins
  - Cartons
  - Folders, books, suspended folders
  - Tyres, wheel rims



For more information about the META MULTIBLOC®, go to Pages 78 – 79.

We would also be pleased to send you our comprehensive catalogues about this subject. Please contact us!



# ... & mobile pallet & cantilever racks

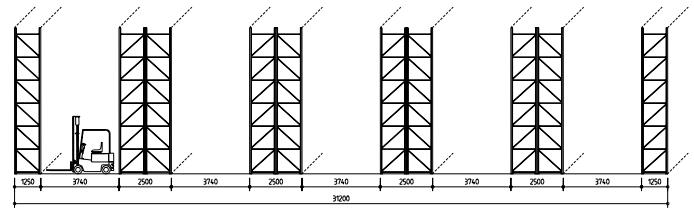
The solution for your storage space problems!

**META MULTIBLOC® mobile shelving units** are also available with pallet rack (META MULTIPAL®) and cantilever rack structures (META MULTISTRONG®). These can be combined with stationary racks, and can then be easily integrated with your existing storerooms.

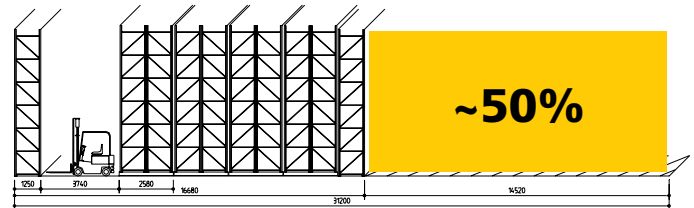
With **META MULTIBLOC® mobile racks** the service aisles needed for conventional **pallet and cantilever rack systems** are freed up for use as storage space.

## Main advantages of the META MULTIBLOC® mobile pallet racks and cantilever racks:

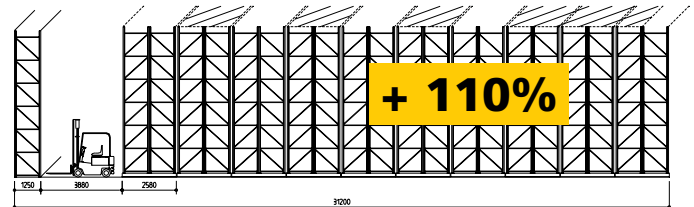
- Gains in usable surface areas
- Increase in storage capacity
- Maximum utilisation of space
- Minimum operating costs for access to individual storage locations
- Lower energy costs compared with stationary racking systems, e.g. for deep-freeze storage
- Lower property & building costs
- The high investment is recouped through the higher number of storage places
- Pallet location prices are **always** more cost-effective in a new building
- Maximum usage of space for access to **every** storage location



*Stationary racking system example with 10 rows of racks*



*Mobile racking system gains of ~50% in usable surface area*



*Mobile racking system*

*110% increase in storage capacity = 21 rows of racks*



# META HIGH-CLIP® AKL

## Automatic small parts store

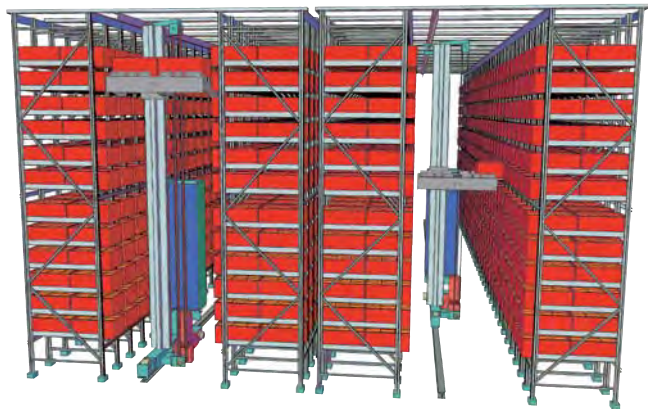
The larger your range of products, the smaller the goods and the more frequent the need for small order picking quantities, then the sooner you will benefit from the advantages of **META HIGH-CLIP® AKL**.

With the AKL, your products are stored compactly in a minimum of space. In this way, you make optimal use of your the available storage space. If required, goods can be retrieved automatically from the storage location by a high-performance shelf operating machine and delivered to the order picking area.

This not only increases your order picking rate considerably, but also enhances your inventory reliability and your supply capability.

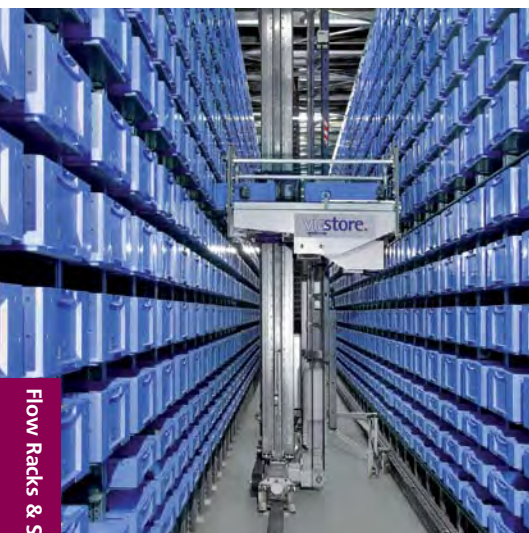
### Advantages of META HIGH-CLIP® AKL (automatic small parts store)

- short access times with the "goods to customer" principle, increasing the order picking rate by up to 60%
- high savings on travel times (up to 80%)
- creation of ergonomic and clearly arranged workplaces, with continuous replenishment at the workplace
- clearer overview for order picking with up to 30% reduction in information time
- direct access to all items
- stock shortfalls are avoided, through continuous stock-taking of the existing inventory performed by intelligent warehouse management software
- high security through monitoring of accesses to goods in a closed system
- high individual weights can be handled
- high storage density with high shelving structures that make optimal usage of space
- double depth storage possible
- when combined with intelligent warehouse management software, the efficiency of your warehouse increases considerably. Ergonomic workplaces are integrated optimally with the "goods to customer" principle.



For more information about META AKL, go to Page 53.

We would also be pleased to send you our comprehensive catalogue about this subject. Please contact us!



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META Practical solutions  
made from steel  
146 - 147

Safety hand rail & example  
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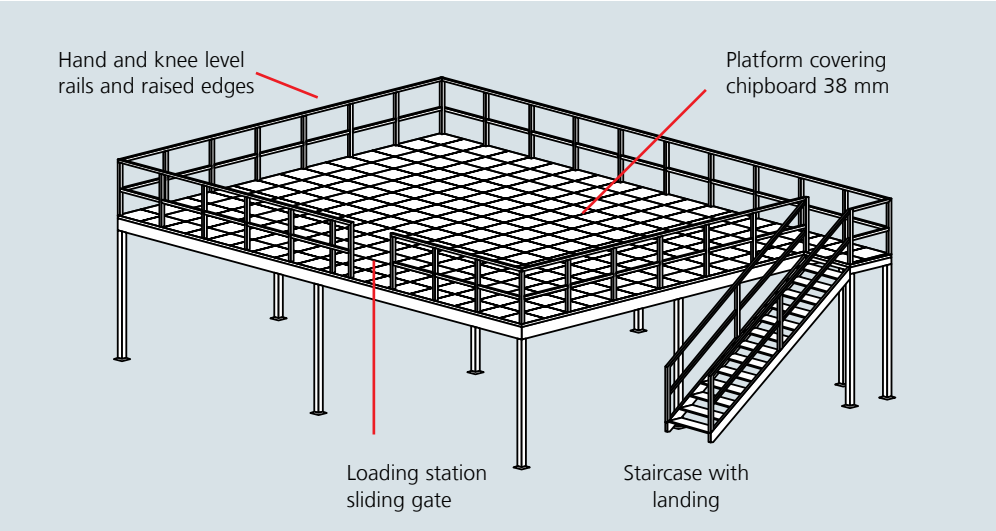
META MULTILINE® gravity flow racks  
149

## onwards and upwards ...

- **With META's expertise in steel structures, you can make consistent use of your space resources;** large areas can be built over, and multi-tier shelving systems can be constructed and integrated with traffic areas
- **Available surface areas can be effectively doubled or tripled** by building over existing storage areas, workshops and machine rooms
- **With staircases and elevator systems** you can get to any location in your extended warehouse safely, quickly and comfortably
- **Additional surface area gained by building upward means costs are covered effectively**
- **META structural steel platforms** are order-specific – i.e. tailored to your particular requirements
- **If making a request, please attach a sketch with the following details:**
  - Place where wall fastening is located
  - Layout of loading station
  - Hand rail arrangement
  - Layout of staircase
  - Colour (standard colour RAL 5010 gentian blue)
- **Please contact our technical adviser for individual advice!**
- **Structural requirements:** As concerns their structural requirements, steel platforms are subject to the building regulation guidelines, in which free-standing rack and platform structures are generally exempt from the authorisation requirement. Otherwise, the guidelines of the trade associations apply as described in GBR 234 (previously ZH 1/428).

# META Steel Structures and System Platforms

Practical Solutions Made of Steel



# META Steel Structures and System Platforms

Practical Solutions Made of Steel

With META steel platforms, you effectively double your storage room and acquire new surface areas. Storage areas, production rooms, workshops and machine rooms are extended without the need for new buildings. You can find successful examples on this page.

## ■ Staircase and elevator systems



*Robust staircases allow personnel to reach the upper levels safely, quickly and comfortably*



*With elevator systems, personnel and goods can easily get to the upper levels*



# META Steel Structure System Platforms

## Safety Hand Rails & Example Applications



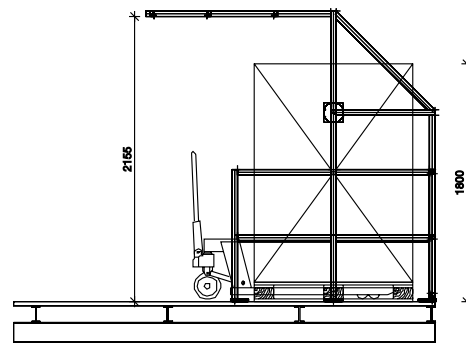
### Safety Hand Rails

META safety hand rails are distinguished by their complete safety. Whether the gate is open or closed, personnel have optimal protection.

- **Opening widths available:** 1.500 or 2.000 mm
- **Overall height:** 2.155 mm, with max. goods height 1.800 mm
- **Surface:** RAL 7035 light grey, RAL 5010 gentian blue
- **Delivery time:** on request



### Swivel Rail



### Transfer Station with Sliding Gate



### Transfer Station with Chain



# META MULTILINE® Flow Racks

Making your material flows more dynamic

To raise the economic efficiency of your warehouse, you need to make optimal use of the existing capacities.

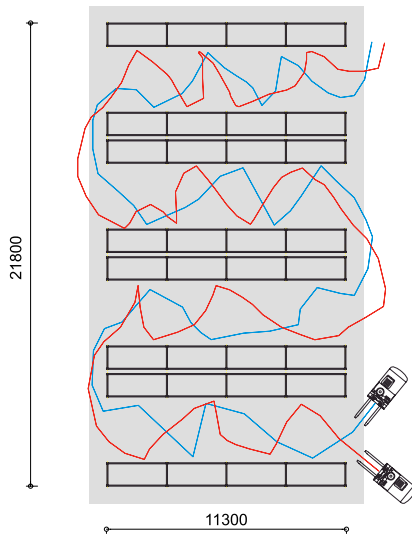
This means that custom solutions are needed, which often complete the overall concept with a smart combination of racking systems one above the other.

**META flow rack systems have proven their worth anywhere that flexibility, efficiency and profitability are crucial. Space utilisation is increased by about 60% compared with conventional racking systems, with up to 30% space saving.**

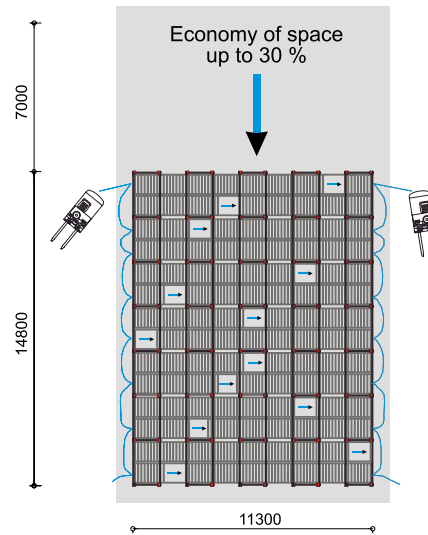
## Main advantages of META MULTILINE® flow racks

- greater storage capacity
- increased turnover rate
- your own transport equipment is used
- greater accessibility
- travel and working times are reduced, saving costs
- the charging and removal aisles are separated
- work flow is improved
- load-bearing rack structure is taken from the proven META MULTIPAL® system

Traffic paths in a conventional pallet rack system



Traffic paths in the META MULTILINE® S flow rack system



META MULTILINE® S flow racks



Three-level shelf outlet



Integrated conveyor technology and steel structure with META MULTILINE® S flow racks

# META Glossary

## Technical terms explained

### Adjusting screw

The adjusting screw on the cantilever arms (META MULTISTRONG® L+M) is a type of lift lock. When the screw is tightened, it causes a plate with two teeth to be pressed into the upright section and against the cantilever arm itself. This raises the arm slightly. Round materials therefore roll toward the uprights and the arm cannot be lifted off accidentally.

### Agraffe

(from the French word "agrafe", meaning "staple"). Hook block used for fastening a brace or beam to the upright section. The hook transfers the loads onto the upright section, and also reinforces the rack.

### Back stop

Prevents pallets from being pushed through accidentally. Back stops are not intended to be used as a brake for the pallets in the same way as pallet stops.

### Bay load

Total load capacity of a rack bay. A bay is the area between two frames. The sum of the shelf loads one above the other should not exceed the permitted bay load. Bay load is affected by shelf height.

### Bracing beams

Bracing beams are angle sections with one agraffe on right and left. They are used to reinforce boltless racks at defined intervals. The shelf is inserted in the folded angle of the beam. The standard reinforcement is the diagonal brace.

### Brackets

These are used as reinforcements at specified positions on bolted racks. META brackets consist of an angled plate with integrated nuts, which makes assembly tremendously easier.

### Buckling length see "shelf height"

### Channel support

For safe storage of mesh box pallets. These have angled foot-plates, which make them difficult to store directly in pallet racks. The channel supports guide the foot plates of the mesh boxes, which can then be safely set down on the beams.

### Clinched frames / shelves

Clinching is a pressure-joining process used at META for producing its QUICK frames. With this process, the upright parts are force-fitted to the linking bars/panel. In this way, the pre-assembled frames are made highly stable and robust. Unlike frames with bolted or riveted linking bars, there are no obstructions to the insertion of shelves at any point. This process is also being used increasingly in shelving production. It has significant environmental advantages over traditional welding.

### Depth/longitudinal supports

See "Supports". Longitudinal or depth supports are inserted, according to the shelf type.

### Diagonal reinforcement

Reinforcing elements on the back of racks, consisting of diagonal bars. Diagonal reinforcing bars are used on shelving units and cantilever racks. This is a highly effective reinforcement method for supporting tensile forces.

### End stop

For separating cantilever arms. Prevents round materials from accidentally slipping off (storage regulation BGR 234 for round materials)

### Galvanisation

With electro-galvanisation, or zinc-coating, the parts to be coated are first cleaned with dilute acids, then dipped in a bath containing a salt solution of the coating metal (zinc). A current is then passed through the bath at low voltage. The electric current causes the chemical breakdown of the solution in the bath. The metal (zinc) separates out from the salt and is deposited in a thin layer on the part being coated.

### Locking pins

Locking pins have to be inserted to prevent accidental lifting of the beams in the pallet rack.

### Picking tray

On racks with tilted surfaces or roller strips, a picking tray is installed where the goods taken from the rack can be assembled.

### Polypropylene (PP)

PP is resistant to almost all organic solvents and fats, as well as most acids and alkaline solutions. PP is odourless and gentle on the skin. It is suitable for applications in the foodstuffs and pharmaceutical sectors. It is physiologically harmless.

### Powder coating

The plastic coating supplied by META is an epoxy-polyester based powder coating. It provides optimal abrasion resistance and the highest possible surface quality. Even when used for storing foods, the plastic coating does not give off any substances that might have an unpleasant taste or smell, or which could be harmful to health. The coating process used is completely harmless to the environment. There are no chemical waste products. The water required is fully treated in a cleaning process circuit. No waste water is discharged into the sewage system.

### Pre-galvanisation

The raw material (iron) in the form of strips or sheets is cleaned by baking in a conveyor furnace, after which it is heat-treated, then passed through a bath of molten zinc. The desired amount of zinc coating is controlled and adjusted using the jet-stripping process. A crystalline structure forms as the zinc coat solidifies.

### Reinforcement

Racks are reinforced either with diagonal braces (cross-beams) or with longitudinal reinforcers/beams. Diagonal braces are often used on shelving units. On pallet racks, reinforcement is provided by the structural forces of the beams.

### Shelf height

Indicates the distance between the top surface of the warehouse floor (or shelf) to the top edge of the shelf above. This distance is also referred to as the buckling length. If the distance between two shelf levels in the rack is greater, this is crucial for the structural design of the rack. The shelf has a direct effect on the load capacity of a rack (→ bay load).

### Shelf load

Shelf load refers to the loading on one shelf level or shelf between two frames. The load should be evenly distributed over the whole surface. The total of the shelf loads is equal to the bay load.

### Spacer

Connecting element between two racks. Used when assembling pallet racks, where it ensures a uniform gap between the different racks.

### Supports

Supports are used for various reasons: With shelves, they can increase the load capacity. In general, they prevent sagging of the shelves. With stepped beams, they prevent hollowing out of the beams when under load. If chipboards are inserted, they prevent sagging and therefore breakage of the boards.

### Upright section

Vertical load bearing element, which is given its geometry by cold forming. It is joined to the load-bearing frame by connecting elements such as linking bars or C-section braces. On boltless racks, it is the shelves and brackets which are the connecting elements. The uprights transfer the bay load to the warehouse's load-bearing floor.

## Planning dimensions

## Notes on safety

### META FIX® Bolted Racks

Basic rack unit:	Nom. length	+	4 mm
	Nom. depth	+	4 mm

Add-on rack:	Nom. length	+	2 mm
	Nom. depth	+	4 mm

### META QUICK® Boltless Racks single row

Basic rack unit:	Nom. length	+	56 mm
	Nom. depth	+	36 mm

Add-on rack:	Nom. length	+	6 mm
	Nom. depth	+	36 mm

### META QUICK® Boltless Racks double row

Basic rack unit:	Nom. length	+	56 mm
	2x nom. depth	+	75 mm

Add-on rack:	Nom. length	+	6 mm
	2x nom. depth	+	75 mm

### META QUICK® Corner shelves

Length 1:	Nom. length	+	56 mm
Length 2:	Nom. length	+	11 mm
Length 3:	Nom. length	+	6 mm
	Nom. depth	+	36 mm

### META FIX® Bolted Racks

### META QUICK® Boltless Racks

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (with wall or floor fixings).

The shelf/bay loads apply to evenly distributed loads.

Bay load data apply to rows of racks in 3 or more bays.

### META COMPACT® Bolted Racks

Basic rack unit:	Nom. length	+	4 mm
	Nom. depth	+	4 mm

Add-on rack:	Nom. length	+	2 mm
	Nom. depth	+	4 mm

### META COMPACT® Boltless Racks

Basic rack unit:	Nom. length	+	56 mm
	Nom. depth	+	36 mm

Add-on rack:	Nom. length	+	6 mm
	Nom. depth	+	36 mm

### META COMPACT® Bolted Racks

### META COMPACT® Boltless Racks

All META COMPACT® office shelves with steel feet for floor-fixing.

The single-sided shelf unit must be secured to prevent tilting, as the shelf height is more than 5 times the shelf depth.

### META SPEED-RACK® Wide Span Racks

Nominal dimensions = Actual dimensions:  
Mounted in basic unit only

### META MINI-RACK® Wide Span Racks

Basic rack unit:	Nom. length	+	107 mm
	Nom. depth	=	as in tables

Add-on rack:	Nom. length	+	51 mm
	Nom. depth	=	as in tables

### META SPEED-RACK® Wide Span Racks

The shelf/bay loads apply to evenly distributed loads. Mounted in basic unit only

### META MINI-RACK® Wide Span Racks

Racks with a height/depth ratio of  $\geq 5 : 1$  should be secured to prevent tilting (with wall or floor fixings).

### META MULTIPAL® Pallet Racks

Basic rack unit:			
Overall width	= Beam length	+	170 mm
	(applies to upright type 85)		
Overall depth	= Frame depth		

Add-on rack:			
Overall width	= Beam length	+	85 mm
	(applies to upright type 85)		
Overall depth	= Frame depth		

### META MULTIPAL® Pallet Racks

Shelf loads apply with evenly distributed loads. Additional shelf levels possible up to maximum bay load. Shelf and bay load data apply for rack units with at least 4 bays and 2 beam pairs.

### META MULTISTRONG® L Cantilever Racks

Spacing:	1030, 1330 mm		
	(distance between centres of uprights)		
Basic rack unit			
Length	= Spacing	+	64 mm

Rack depth			
single side	= Nom. depth	+	210 mm
double side	= 2x nom. depth	+	220 mm

### META MULTISTRONG® M Cantilever Racks

Spacing:	1030, 1330 mm		
	(distance between centres of uprights)		
Basic rack unit			
Length	= Spacing	+	73 mm

Rack depth			
single side	= Nom. depth	+	230 mm
double side	= 2x nom. depth	+	240 mm

### META MULTISTRONG® Cantilever Racks

If height/depth ratio is  $\geq 5 : 1$ , or the operating conditions so require, then floor anchoring is required.

### META ATLAS® ST Cantilever Racks

Spacing:	1350 mm		
	(distance between centres of uprights)		
Overall length:			
Cantilever rack:	= Length	+	55 mm
Long goods rack:	= Length	+	46 mm

Depth:	= Useful arm depth / side		
Overall depth:			
Cantilever rack:	= 630 (single side) / 1150 mm		
(double side)			
Long goods rack:	= 590 (single side) / 1090 mm		
(double side)			



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67842	29	67948	33	68791	41	70685	30	72268	37	74875	131	75014	129
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# META general

# META general

# META general

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174377	103	176561	29	177373	77		
174378	103	176563	31	177950	75		
174379	103	176564	31	177951	75		
174380	103	176565	31	177952	75		
174381	103	176566	31	177953	75		
174382	103	176567	31	177954	75		
174383	103	176568	31	177955	75		
174384	103	176569	31	177956	75		
174385	103	176570	31	177957	75		
174386	103	176571	31	177958	75		
174387	103	176572	31	177959	75		
174388	103	176573	31	177960	75		
174389	103	176574	31	177961	75		
174390	103	176575	31	177962	75		
174391	103	176576	31	177963	75		
174392	103	176577	31	177964	75		
174450	103	176578	31	177965	75		
174451	103	176579	31	177966	75		
174452	103	176580	31	177967	75		
174453	103	176581	31	177968	75		
174454	103	176582	31	177969	75		
174455	103	176583	31	177970	75		
174456	103	176584	31	177971	75		
174457	103	176585	31	177972	75		
174488	103	176586	31	177973	75		
174489	103	176587	31	177996	77		
174490	103	176588	31	177997	77		
174491	103	176589	31	177998	77		
174492	103	176590	31	177999	77		
174493	103	176591	31	178000	77		
174494	103	176592	31	178001	77		
174495	103	176593	31	178002	77		
175808	104	176594	31	178003	77		
175810	104	176595	31	178004	77		
175811	104	176596	31	178005	77		
176530	29	176597	31	178006	77		
176531	29	176598	31	178007	77		
176532	14	176599	31	178008	77		
176532	29	176600	31	178009	77		
176533	14	176601	31	178010	77		
176533	29	176602	31	178011	77		

# META Planning Sheet

How we want our warehouse to look



# Order form

Copy it, fill it, fax it – and you're done!



Your META dealer:

## META QUICK® S3 Boltless Shelving – disassembled shelving racks

- Simple assembly without tools
- Galvanised surface
- Shelf load 150 kg
- Bay load 1100 kg
- 2000 x 1000 x 500 mm (H x L x D), number of shelves: 5
- **For more information, go to Pages 26 – 27**



**Basic unit**  
Item No. 95021

**Add-on unit**  
Item No. 95022

Orders	Item No.	Cat. page No.	Product title – Colour/material	Quantity	Unit price <sup>1)</sup>	Total price <sup>1)</sup>
					<b>Sum</b> without VAT	

<sup>1)</sup> All prices subject to VAT as required by law

### Info

We would like to  
I am interested in

☐ Have you call us/make appointment  
☐ Shelving ☐ Office shelves

☐ Arrange visit by technical adviser  
☐ Pallet racks

### Address

Billing address

Address for shipment (if different)

Date Legally binding signature

On behalf of

Customer No.