META SHELVING SYSTEMS
BOLTLESS – GALVANIZED – IN STOCK – COMPLETE

www.meta-online.us
Insights

The following pages will help you get to know our company and our shelving systems.
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We make the kind of products that help our customers’ businesses ‘take off’. We’ve been doing this for more than 40 years. Because our operational processes and internal structures ensure the quality, cost-effectiveness and safety of all META products.

Every day, more than 200 highly motivated employees bring their experience, expertise and vision to our company, and their drive and energy really get things moving.

The same holds true for our services – we appreciate the individuality of our customers and treat each as an individual case. We are dedicated to what we do, and our work is customer-focused.

It’s only by working as partners that one can create synergy.

With clarity comes trust: excellence to us means expertise.

New product development and the continuous improvement of already proven products are always the result of interaction with our customers. Creativity can only be considered to be successful if there is positive feedback from practical applications. For META, the word “partnership” also means a constantly replenished pool of ideas.

The META point of view

Shelving systems that make your business flexible.
Comprehensive advisory service

- 1. Technical advice on site
- 2. Comprehensive distribution network
- 3. Project planning service
- 4. Assembly service

Branches and agencies in the US, Belgium, Bulgaria, Denmark, Finland, France, the U.K., Italy, Latvia, Luxembourg, the Netherlands, Norway, Austria, Poland, Romania, Russia, Sweden, Switzerland, Slovakia, the Czech Republic and Hungary

Warehousing ‘investment’ advice

You don’t just leave your money lying around - you invest it wisely. If security, return on investment and rapid availability have been thought through very carefully, then you can wait for success to arrive!

And every warehouse is storing enormous assets. As with financial investments, the important thing with stored goods is rapid availability. What is needed is the movement and flow of materials in all areas of operation. META systems offer the right solutions.

Call on us
- we appreciate it!
META Shelving Systems

Orderliness and success guaranteed

"META shelving brings orderliness and clarity to any warehouse, however large you want to build it."

Consistent orderliness is one of the main requirements of quality management – and orderliness starts in the warehouse. High warehouse productivity is decisive for a company’s ability to deliver. Quick access to all products is vital for lowering costs and increasing profits.

The success of our warehousing systems is also the result of quality management criteria. Continuous further development and the high manufacturing quality of META shelving systems are the proof of our know-how.

META Regalbau is certified to DIN EN ISO 9001 standard as applied to warehousing and company facilities, as well as rack inspection.

The quality of our shelving is built on 3 important pillars:

1. **Materials**
   When purchasing materials, we look for the highest quality in connection with material strength, yield strength and surface quality. Only if the material meets our high demands we will use it in our manufacturing process.

2. **Machines**
   We regularly renew and upgrade our plant and equipment to keep up with the increasing demands on quality and quantity.

3. **Personnel**
   Our shelving is “Made in Germany”. In our Arnsberg facility, our staff is committed and strives to produce the highest quality products on schedule. Many years of experience, combined with regular quality inspections, ensure that we meet the highest quality requirements.
Reasons why you should choose META shelves

- Planning, supply & assembly – all from one source
- One contact partner to speak to, whatever your question
- Nationwide, comprehensive customer support by our on-site sales force and professional advice from our in-house staff
- Customer-specific product development and improvements
- Fast and reliable delivery service
- META rack inspection: with our META rack inspection service, you will not only meet the legal requirements, you will also be able to identify possible accident hazards ahead of time, thus effectively preventing personal injuries and damage to property!
- Products "Made in Germany" (shelving, pallet racking and wide-span racking systems): we don’t just promote our products, we feel it is also a duty and an obligation to deliver quality products
- The META 5-year quality guarantee:
  We provide a 5-year quality guarantee on our shelving systems.

- META – proven quality:
  - certified to DIN EN ISO 9001: 2008 standard as applied to warehousing and operating facilities
  - RAL quality assurance, strict guidelines of the German Institute for Quality Assurance and Identification, i.e. regular inspection and supervision by an independent body.
  - META products meet the BGR 234 operating safety requirements of the trade and professional association.
  - META is a specialized welding firm with Class D manufacturer qualification as defined in DIN 18800 Part 7.

META Means ...

Investments for the future
- META plant and equipment
  a state of the art
META System Analysis

Nothing stands by itself

Whether it’s just a few rows of shelves or a multi-tier warehouse – META has a custom solution in store for you …

The following chart gives an overview of what shelving products are suitable for which type of structure.

Obviously, META shelving systems can be combined with each other and they can also be extended to include META pallet and cantilever racks as well as mobile shelves and platforms.

### META shelving systems: can be combined variably, safely and profitably

<table>
<thead>
<tr>
<th>Single Tier</th>
<th>Two-Tier</th>
<th>Three-Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>META CLIP</strong> Special boltless shelving for bulky goods</td>
<td><strong>META WIDE-SPAN</strong> Wide-span rack for light to medium heavy loads</td>
<td><strong>META MINI-RACK</strong> Wide-span rack for large and heavy loads</td>
</tr>
<tr>
<td>Shelf load: up to 882 lbs / 400 kg</td>
<td>Shelf load: up to 1323 lbs / 600 kg</td>
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</tr>
<tr>
<td>Bay load: up to 5291 lbs / 2400 kg</td>
<td>Bay load: up to 10141 lbs / 4600 kg</td>
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META CLIP Boltless shelving is suitable for two or three tier structures

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META CLIP boltless shelving for small parts

Shelf load: up to 882 lbs / 400 kg
Bay load: up to 8157 lbs / 3700 kg
Planning Service

Consultation 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 customized 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 Shelves

Properties & features of the META shelf family

- **Durability**: quality based on the high quality of the materials: structural steel with DIN EN 10147 quality control
- **Safety**: reduced risk of injury due to safety folding on depth edges
- **Multi-functionality**: 2" / 50 mm pitch punch holes for extensive range of attachable accessories (exceptions: META L 80 shelf, COMPACT office shelf)
- **Versions**: META shelves are available in a pre-galvanized version or also in the plastic-coated version
  
  **Pre-galvanized** shelves offer optimal protection from corrosion. A **plastic coating** provides optimal abrasion resistance and the highest possible surface quality.

- **META shelf family**:
  - L 80 shelf – small load shelf with a shelf load of 176 lbs / 80 kg without divider holes, with M-shaped longitudinal channel with 5x edge fold, stackable, edge height 1" / 25 mm
  - V 150 / V 230 shelf – medium-heavy duty industrial shelf with 331 / 507 lbs, 150 / 230 kg shelf load, supports can be added to raise the load or reduce bowing, stackable, edge height 2" / 40 mm, with divider holes
  - MS 230 + 330 shelf – heavy-duty shelf with supports, can hold up to 882 lbs / 400 kg, with divider holes, stackable, edge height 2" / 40 mm
  - Office COMPACT shelf – the office shelf with 176–220 lbs / 80–100 kg load capacity without divider holes, stackable, edge height 1" / 25 mm

... the right shelf for every use!
META Shelves

Practical Applications
META CLIP shelving - the two-component system

Just two building blocks (frame and shelf) can be used to build simple rows of shelves as well as complex shelving systems for all applications in small parts storage (e.g. spare parts storage room in industry and small trades, retail store in production-linked trade).

There are cross-sector solutions for all areas of application in small parts storage. With individual equipment options, you can adapt the basic system to your own particular requirements.
Data at a glance

- **Shelf height adjustable in 1" / 25 mm steps** for variable adjustment to the size of stored goods
- **Shelves with 2" / 50 mm pitch punch holes** for attaching shelf dividers or mesh dividers (exception: 176 lbs / 80 kg shelves)
- **Easy boltless assembly** quick set-up without tools
- **Surface** pre-galvanized or with additional plastic coating in RAL 7035 light grey
- **Individual shelf loads** up to 882 lbs / 400 kg\(^1\) · **Bay loads** up to 8157 lbs / 3700 kg\(^{1,2}\)

1) with evenly distributed load  
2) bay load data apply to rows of shelves in 3 or more bays

Frame versions

**fully disassembled frame**  
= META CLIP S3  
the cost-effective version, quick assembly without tools!

**Pre-assembled frame**  
= clinched frame

**Dimensional versions:**  
**Standard frame heights:**  

**Standard frame depths:**  
12", 16", 20", 24", 31"

**Standard lengths:**  
30", 39", 49", 51"
META CLIP Boltless Shelving

Quick boltless assembly without tools

Quick assembly without tools – that’s the basic principle

With total ease of assembly, any warehouse will be up and running more quickly. META CLIP shelving is distinguished by its simple tool-less assembly, which means it can go into service quickly.

And just as with the basic shelving, the same applies for complex, multi-tier systems.

The same building blocks can be used to build large systems with stairs, mezzanines and aisles. And META can set it up for you: our assembly team provides a complete on-site assembly service – quick, professional and safe!
META CLIP Boltless Shelving

Various applications & extensive system accessories

All META component accessories provide design versatility and high flexibility. Easy-assembly accessories are available for storing various materials. So individual areas of the shelving system can be converted effortlessly or refitted, at any time. The adjustability of the shelves is also particularly useful in practice. Even after the shelving system is assembled and in service, shelf heights can be adjusted in 1” / 25 mm steps.

With their extensive range of accessories, META shelving systems can be adapted optimally to the materials you want to store. These shelving systems can be used in all sectors of industry, business and small trades.

Range of shelving accessories – solutions for every application

- Free-standing dividers
- Full-height dividers
- Free-standing mesh dividers
- Bulk material trough
- Scanner rail labels
- Support for increased load capacity
- Pull-out shelf
- Plinth
- Back stop strips
- Infill strip
- Hanging rail

… more accessories in the META order catalog
META CLIP Boltless Shelving

Various applications & extensive system accessories

- Bulk material troughs with shelf dividers and free-standing dividers
- Shelving with Euro pegboard cladding and hooks
- Shelving with mesh dividers and Euro pegboard
Shelving with mesh dividers and full frames

Lockable doors are available in heights of 79”, 39” and 20” / 2,000, 1,000 and 500 mm (1/1, 1/2 and 1/4 doors)

Shelf heights individually adjustable in 1” / 25 mm steps with boxes of various sizes, held in safely by mesh back cladding

Everything under control – from the smallest screw to large and bulky spare parts

META CLIP shelving systems provide orderliness in any warehouse, across all sectors. The equipment versions offer a multitude of options. The system accessories have been thought through to the smallest detail and ensure that META CLIP shelving systems can be used universally.

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META CLIP Boltless Shelving

Versatile application and extensive system accessories ...

An open-plan warehouse with two-tier META CLIP system optimized to meet customer requirements, and all paths leading to the service points

Exhaust pipes tidily arranged and separated by rod dividers

Small parts are stored optimally on META CLIP shelving

Wind shields stored on cantilever racks

Storage in drum racks

This META steel platform provides space for employees in 8 offices

This three-tier logistics center covers an area of approximately 13,455 square feet providing plenty of storage space
Special requirements demand special solutions. For example, at an automotive spare parts dealer stocking mudguards, sections of exhaust pipes, tires, and wheels. These spares come in the widest variety of shapes and sizes, so they cannot be stacked. Proper storage in this case means special storage. META CLIP special shelving provides optimal storage solutions for this industry.

With optimally coordinated accessories – various dividers and separating bars, as well as standard fittings with stepped beams to support wooden decks – META CLIP Special can provide proper storage for large and bulky parts, and can also be combined with other META CLIP shelving.
META CLIP Boltless Shelving

Practical solutions for stationary storage · tire and wheel racks

Wheels are held on special depth-adjustable supports

Another example of tire and wheel storage on META CLIP racks – this time on the more cost-effective version without depth adjustability
Space-saving solution: META MULTIBLOC mobile ‘tire hotel’ regularly holds approximately 1,000 customer tires for immediate access

Every tire just waiting for the right wheel!

The META MULTIBLOC mobile ‘tire hotel’ is the optimum solution for storing the largest number of tires tidily in the smallest possible space. The customers’ summer and winter tires are stored safely on special tire and wheel support beams and can be taken out at any time.

Tires and wheels are stored on special support beams.
META CLIP Storage Room Furnishings

Shelf modules, cabinet modules, storage room furnishings

Production equipment is valuable and tools are expensive. When they are not in use, they should be kept locked up. The storage room is an enclosed workspace that has to protect these valuables, and should therefore be appropriately furnished.

- ideal for fitting out enclosed workspaces, e.g. workshop, storage room and warehouse
- almost limitless possibilities, by combining individual modules based on the META CLIP system
- extensive accessories allow the furnishings to be adapted specifically to your particular requirements
- easily integrated with complex shelving systems
- shelves are perforated with 2” / 50 mm pitch punch holes
META CLIP Cabinet Modules

Custom solutions for every purpose
META COMPACT Office Shelves

Orderliness in the office & archive

With bolted, boltless or special shelves …

… META has a versatile range of products! Custom solutions for the office, archive and business. "Made in Germany" quality and manufacturing mean that META shelving lasts for years and years.

- META COMPACT office shelving has a timeless design that blends harmoniously with any environment.

- Made from strip-galvanized quality sheet steel to ensure long-lasting use and high holding capacity.

- META COMPACT shelving is available in a cost-effective galvanized finish or with shock-proof powder coating in RAL 7035 light grey.

The shelving examples shown below, and others, can be found in our META COMPACT office shelving catalog.
META COMPACT boltless cabinets – with hanging file and folder racks
META COMPACT suspension file racks – optimal for hanging folders
META COMPACT hanging file racks – lots of room for hanging file sleeves

META MULTIBLOC
mobile shelving for office and archive
- 100% increase in storage capacity
- 50% more usable surface area
- Lower storage space costs compared with conventional shelving
- Access to individual places with maximum use of space
- Manual operation
- Gear reduction ratio of 1:3000 means they are very easy to move
META CLIP Boltless Shelving

Practical solution for an office supply dealer
META Boltless Parcel Shelving

Parcel shelving = Fully packed unit = Ready to ship

- Fully packed units
- With split uprights to allow packing for easy transport "Rack-to-Go", optimal for parcel service delivery or transport in your own trunk
- Quick boltless mounting without tools
- Shelves with 2" / 50 mm pitch punch holes for attaching accessories
- Shelf height adjustable in 1" / 25 mm steps

Components:

- Plastic splicing kit – a safe and strong connection between the frames
- Quality wire with hooks for stability

Easy assembly without tools
Available as wrapped and packed item
Designed for transport by parcel service or own vehicle
META CLIP Single Tier

With platform for block storage

Plenty of space for block storage on the upper platform!
With 2-tier systems, storage space can be doubled quickly. This is how to make plenty of room for your products.
META CLIP 2-Tier

Storage space doubled by building upward

Whether it’s a 1, 2 or 3 tier system, each shelving system can be planned individually to suit customer requirements and can be adapted to the type of products stored.
This META CLIP shelving system is extended upward with 2 tiers on one side and 3 tiers on the other.

META CLIP 2-Tier

Storage space doubled by building upward
META CLIP 3-Tier

Optimal warehouse furnishing

A perfectly organized warehouse in alert for a less stressful environment

META shelving systems provide rapid and safe access, and keep every warehouse operation cool and calm. The short order-picking paths ensure that even the most urgent warehousing tasks can be performed calmly and without stress.

And META CLIP creates space – large storage space is created on small surface areas. To be successful, you can start by maximizing space!

Swivelling rails bring safety to the warehouse
Only secure functioning will ensure smooth-running warehouse processes and radically improved staff motivation. META CLIP shelving systems are designed to be ergonomic and provide the highest operating safety and quality of life.

For this regional supplier, a 222” / 5.65 m high three-tier META CLIP shelving system with more than 1,600 shelves was installed.

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

Safe stairwells and floors connected by elevator, stair and conveyor belt systems.
META CLIP Boltless Shelving

Combines well with other META shelving systems

Different META shelving systems can be combined to create custom warehousing solutions!

META CLIP boltless shelving can always be combined with other META systems. This creates even more individualized design possibilities!

For example, META MULTIPAL pallet racking systems or META MULTISTRONG cantilever racks can be added to shelving systems. Shelving systems mounted on META MULTIBLOC mobile carriages create even more space.

Colorful META CLIP shelving system framed by META MULTIPAL cable reel racks and META MULTISTRONG cantilever racks
Various META shelving types – combined well together!

This warehouse features a 2-tier, galvanized META CLIP shelving system and a META MULTIPAL pallet racking system.
META CLIP Gravity Fed Rack

Clearer overview & optimal access to boxes and cartons

Inclined shelves or roller tracks give a clearer overview and optimal access.

This is the best way to keep stock available. If a packaging unit (i.e. a small pack of screws) becomes empty and is then removed, the next unit slides down automatically. This allows optimal control of stock levels – you can see immediately when you need to re-stock.

META CLIP S3 Inclined shelving

- good price-quality ratio
- clear overview & orderliness: full view of which goods are available and which are depleted, whether goods are in cartons or bins
- FiFo principle (First-in/First-out): The goods loaded in first are also the first to be taken out. This is especially important for goods with an expiration date!
- entire top level can be used for storage, as there are no cross-struts
- small front stop bar allows crates and cartons to be taken out easily

- quick and easy mounting with disassembled S3 boltless frames
- goods slide down the 18° inclined surface to the take-out side virtually automatically
- no transition edges on the shelves in the downward direction
- shelf heights are adjustable in 1” / 25 mm steps
- lateral guides available on request
- ‘automatic’ feed: shelf loading in the back, order-picking or removal in the front.
- time saved on order-picking: orderliness and quick access to goods

- also available complete with mesh dividers and in a double-sided version
META CLIP Gravity Fed Rack

Case studies
META CLIP Specialized Store Furnishings

It's the store and the store furnishings that help sell!

Good presentation = better sales!

The final decision to purchase is made by the customer at the point of sale. And it is precisely in specialized trades that it becomes obvious how professional warehousing and presentation techniques can directly affect the success of your business. META specialized store furnishings are effective and will help you sell!

META specialized store furnishings are effective. Examples:

- tooling and machine trade, plumbing wholesale
- production-linked trade with combined specialized store and warehouse furnishings.
META Market is a practically-oriented furnishing concept for specialized retail stores.

Traditional forms of marketing are losing ground in the face of competition. Those who do not adapt to the changing conditions will meet with failure when they go to market.

META Market means: more marketing through freedom of design in the shape and color of the store, in an environment where shopping products become experience in itself.

META Market means: analysis, advice, project planning, supply and assembly by META in collaboration with customers, architects and planners.
META Specialized Store Furnishings

It's the store and the store furnishings that help sell!

From the store shelves, customers can look straight into the warehouse.

The explosion-protected hazardous goods store holds items identified by the hazardous goods pictogram.

This multi-tier shelving system stores the widest variety of items for industrial use and personal protection, from machines and tools to work clothing.
META WIDE-SPAN Wide Span Racks

The boltless wide-span rack – for light to medium-heavy and bulky goods

META WIDE-SPAN wide span racks

- **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 heights adjustable** in 2" / 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 versions:**
- **standard shelf height:** 78", 97", 117" / 1970, 2470, 2970 mm
- **standard shelf depth:** 16", 24", 31" / 400, 600, 800 mm
- **standard length:** 67", 79", 98" / 1700, 2000, 2500 mm

**individual shelf loads:** up to 1102 lbs / 500 kg

**bay loads:** up to 6614 lbs / 3000 kg

**section/beam finish:** galvanized

1) with evenly distributed load

2) bay load data apply to rows of shelves in 3 or more bays

*Easily and quickly assembled with a rubber mallet*

*META WIDE-SPAN with chipboard*

*META WIDE-SPAN with steel panels*