

# GREATER EFFICIENCY WITH A SYSTEM

**2022**

Products and solutions for intra-company material flow.

[ssi-schaefer.com](https://www.ssi-schaefer.com)



**SSI SCHÄFER**

# Everything from a single source with manufacturer excellence



With our products and solutions, SSI SCHAEFER covers the entire intralogistics value-added chain. Therefore we stand for complete solutions from a single source, permanent availability of the systems combined with rapid project implementation and reliable partnerships.

Drawing on a diverse range of expertise and extensive experience we plan, develop and manufacture high-quality products worldwide. As manufacturer, we remain independent of suppliers, can ensure our high quality standards,

and can flexibly develop and implement very individual solutions for our customers. Meeting the customer-specific challenge with greatest efficiency and maximum functionality is particularly important.



## PRODUCTS AND SOLUTIONS

- Static racks, platform systems
- Pallet, wide, cantilever and mobile shelving
- Dynamic flow and supply racks
- Storage lifts
- Container and pallet conveying systems
- Semi-automated solutions
- WAMAS® warehouse management software
- Fully-automated racking systems



# Everything is balanced – scalable solutions for growing demands



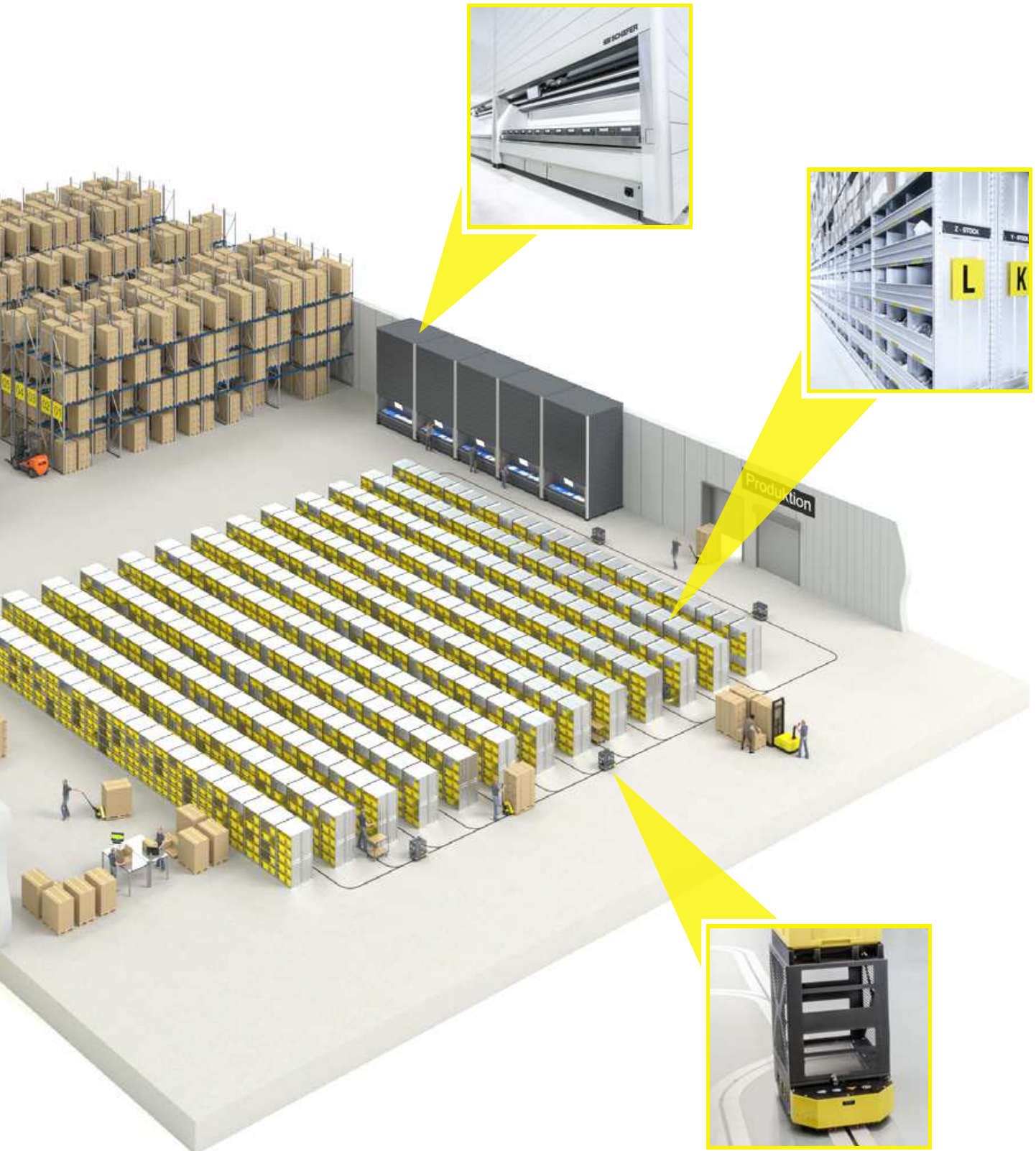
The smart logistics solutions from SSI SCHAEFER are designed so that all components interact smoothly and synchronously.

Starting off, just a few racks are usually all you need to store products. Yet, you might quickly run into capacity bottlenecks as your assortment of products grows. Goods are set down anywhere there is space which increases the search effort. With our intra-logistics solutions, we ensure transparency, constant availability and prompt order processing that will excite your customers.

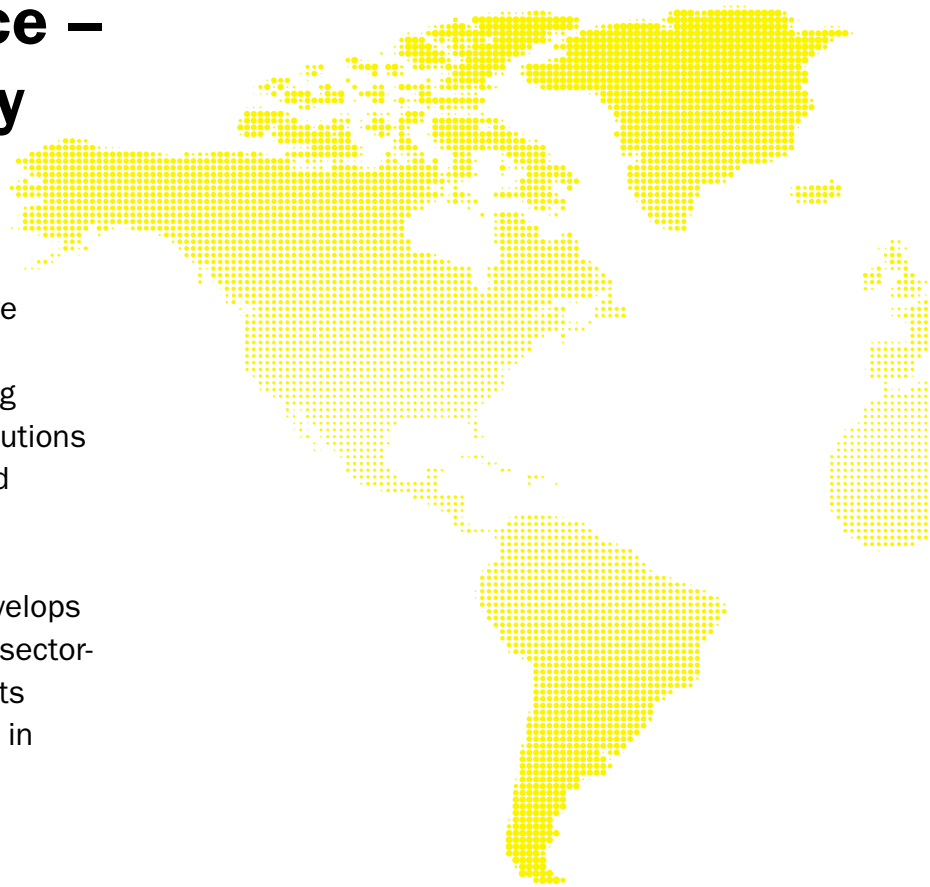
All components of the modular system from SSI SCHAEFER can be flexibly adapted and variably combined, making material handling solutions optimally tailored to small and medium-sized companies available for every phase of business development. Process efficiency is thereby assured in a consistent and sustainable manner.

Our experts will accompany you from the first idea and analysis to the implementation of the jointly developed solution and beyond. As business models change, you can always rely on us for advice and scalable systems.





# Worldwide presence – customer proximity



Always nearby: with over 70 operative subsidiaries and 10,000 employees SSI SCHAEFER is a globally operating company and the world's leading solutions provider of modular warehousing and logistics systems.

Around the globe SSI SCHAEFER develops and implements innovative industry sector-specific concepts and solutions for its customers and thus plays a key role in shaping the future of intralogistics.

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**FORWARD THINKER,  
LONG-TERM PARTNER,  
AND MANUFACTURER. FROM  
STANDARD PRODUCTS TO  
COMPLEX SOLUTIONS:  
WELCOME TO SSI SCHAEFER.**

*Think Tomorrow.*

**SSI SCHAEFER**





**Modular shelving systems**

**A**

Modular shelving



**Longspan racking systems**

**B**

Longspan racking



**Pallet racking systems**

**C**

Pallet racking



**Cantilever racking systems**

**D**

Cantilever racking



**On-line / live storage shelving systems**

**E**

On-line shelving / KDR shelving



**Customer Service & Support**

**F**

Customer Service & Support

# Modular shelving systems for every application



Saving space and time are very often the results of effective storage. Whether single or multi-tier facilities, SSI SCHAEFER offers sophisticated, flexible modular shelving systems that guarantee the highest quality solutions for a variety of applications.

Smooth and quick installation as well as comprehensive specialist consultation are the basis for an excellent cost-performance ratio. The proof: thousands of warehouses all over the world equipped by SSI SCHAEFER.

With the appropriate configuration, the R 3000 and R 7000 shelf systems can be expanded into multi-tier platform systems provided that this option is included in the initial order for ground-level racks.

Joint planning on site with your expert consultant from SSI SCHAEFER is the key to selecting the right system.



## The meaning of the pictograms:



Bay load\*



Base load\*



Drawer load\*




Rod load\*



Beam load\*

\* All specified load values apply for uniformly distributed loads.

 Information regarding **inspection requirements** for rack systems

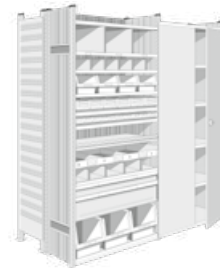
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R 3000 modular shelving

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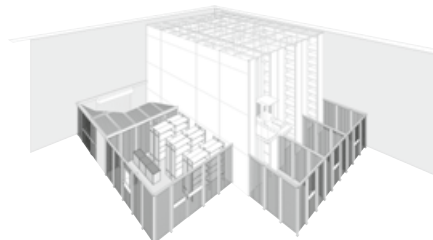
R 7000 modular shelving

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Comprehensive accessories

page A34



Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

# Overview of modular shelving systems

<b>R 3000 modular shelving</b>	
Areas of use	Light to heavy, small and mid-volume goods, bulky goods, platforms
Advantages	<ul style="list-style-type: none"> <li>▶ Completely organized thanks to extensive accessories</li> <li>▶ European dimension modularity</li> <li>▶ Multi-tier installation and platforms can also be retrofitted</li> <li>▶ GS mark of conformity</li> </ul>
System	▶ Frame system with plug-in design for rapid assembly
Design	▶ Frame system, 2 bay lengths, 5 shelf depths, different heights
Load-bearing capacity	▶ Up to max. 3,500 kg per rack bay
System layout	▶ 53 mm adjustment steps
Upright surface	▶ Galvanized
Shelf surface	▶ Galvanized/powder-coated light silver



from pages

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**R 7000 modular shelving**

Light to heavy, small and mid-volume goods, platforms, high bay storage

- ▶ Diverse equipment thanks to extensive accessories
  - ▶ European dimension modularity
  - ▶ Multi-tier installation and platforms possible
- 
- ▶ Unmounted frame system
- 
- ▶ Frame system, 4 bay lengths, 4 shelf depths, various frame heights, frame profiles
- 
- ▶ Up to max. 6,000 kg per rack bay
  - ▶ 53 mm adjustment steps
  - ▶ Galvanized
  - ▶ Galvanized/powder-coated light silver



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Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support



## R 3000 – the multi-functional shelving system

R 3000 is a multi-functional shelving system for small and medium parts storage. The upright frame design and the variable bolt-free system without fixed base and top shelves or longitudinal beams offer a completely flexible design of the shelving bays in 53 mm adjustment steps.

R 3000 eliminates the classical separation of shelves, longspan racking and cantilever racking. This means

one system serves for everything with subsequent expansion options and complete flexibility should your storage needs change.

The fully closed upright profile is designed for attachment of longitudinal beams and cross braces. Pressed-out lugs on the wider side of the upright allow for attachment of shelves. Cut-outs on both sides of the uprights serve for fixing mezzanine supports.

Variable compartment sizes are created by freely positionable shelves and longitudinal beams available for bay widths 994 and 1,282 mm.

Standardized components allow for multi-tier systems that make optimal use of the available ceiling height. Due to its high load-bearing capacity, the R 3000 shelving system is the ideal solution for multi-tier systems with intermediate platforms.

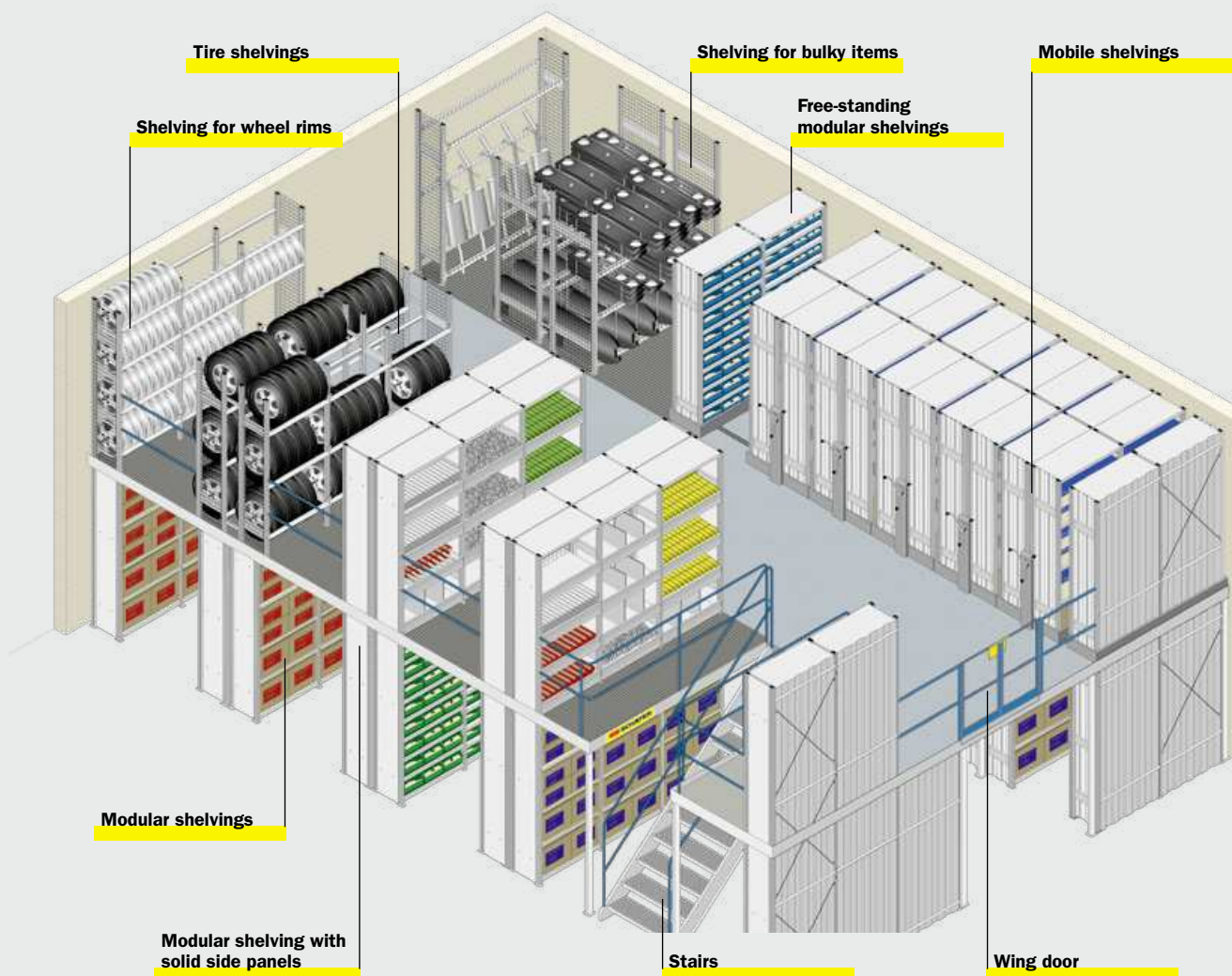


# Multi-tier shelving systems



The upright frames are available in different heights for installation of ground level or multi-tier shelving. The frames are pre-assembled on site, stood up and fitted with shelves or beams and cross-braces for stiffening purposes.

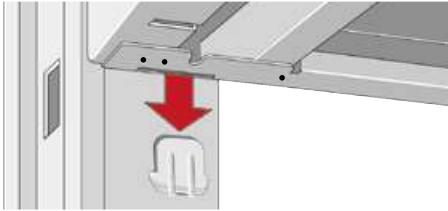
The standard platform height is 2,310 mm. This provides enough head room even after installation of sprinkler, air conditioning and lighting installations, etc. The platform height can be adjusted in 53 mm steps.



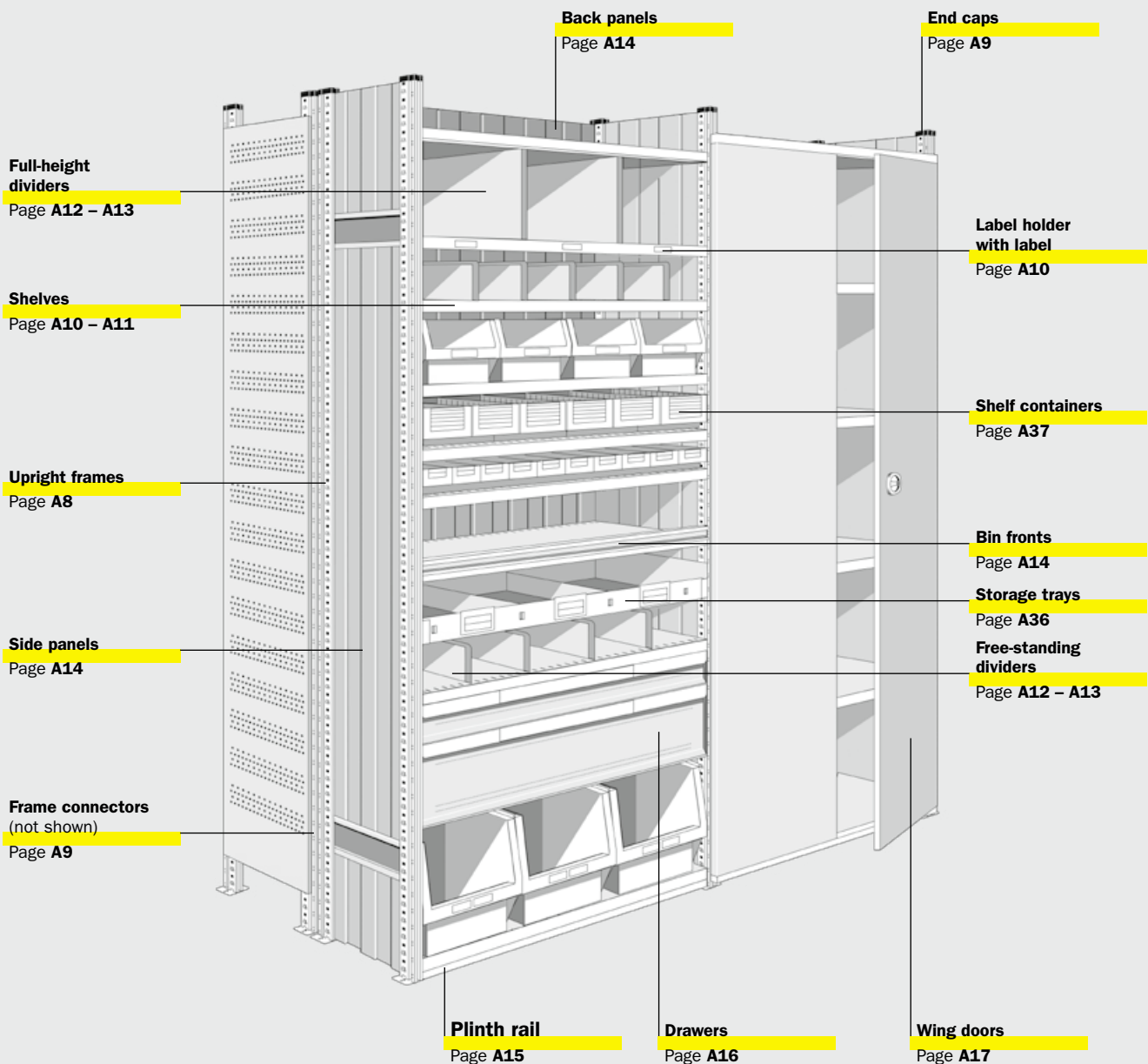


# The equipment options

- ▶ **Plug-in design for smooth assembly**  
bay widths 994 and 1,282 mm  
shelf depths 300, 400, 500, 600, 800 mm  
various heights for single and multi-tier installation
- ▶ **Upright profiles**  
with 53 mm lug pitch
- ▶ **Frames with slotted uprights**  
with slot spacing of 26.5 mm available on request
- ▶ **Fully organized**  
thanks to an extensive range of accessories including shelves, beams, shelf dividers, side and back panels, drawers and doors and many more
- ▶ **High loading capacity to 3,500 kg per bay**
- ▶ **Multi-tier installations**  
can also be retrofitted



The front edge of the SSI SCHAEFER shelf overlaps the longitudinal edge. In conjunction with the additional welding points, this enhances security and the load-bearing capacity of the shelf.



Modular shelving

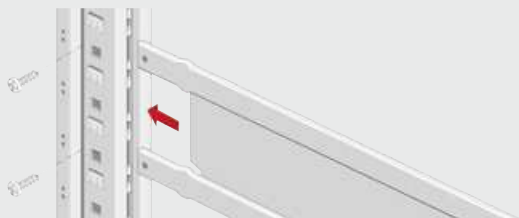
Longspan racking

Pallet racking

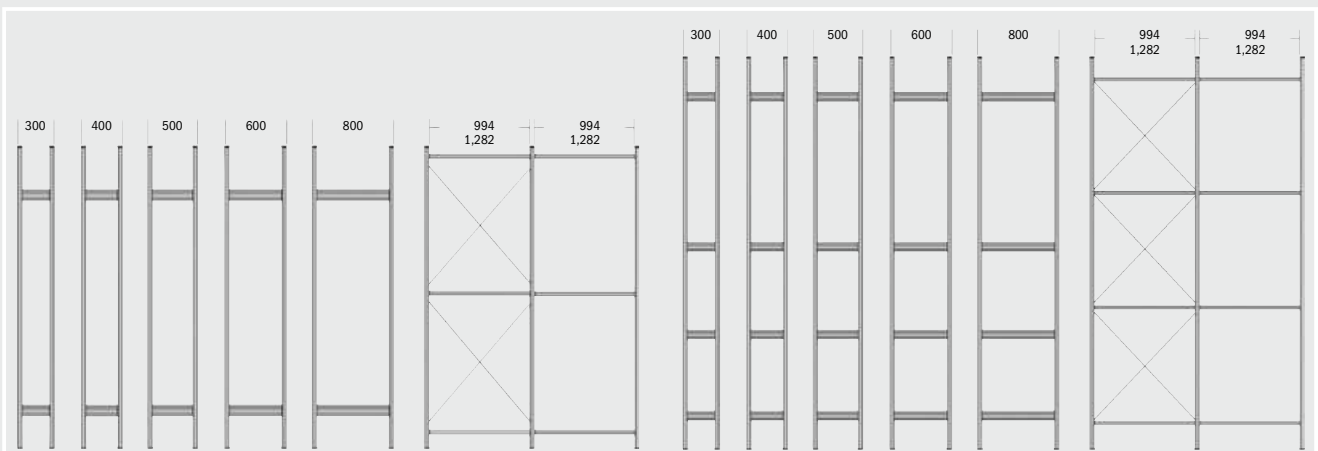
Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support



# Upright frame system



## Upright frames for single-tier installation

The loads indicated are approximate values that depend on a variety of parameters.

Item	Shelf depth (mm)	Bay load (kg) for height (mm)		Type	Order no.
		2 x 901	1 x 1,325		
<b>Height 2,278 mm</b>					
RR 33322-V-M	300	1,900	1,500	Galvanized	6671815
RR 34322-V-M	400	1,900	1,500	Galvanized	6671816
RR 35322-V-M	500	1,900	1,500	Galvanized	6671817
RR 36322-V-M	600	1,900	1,500	Galvanized	6671818
RR 38322-V-M	800	1,900	1,500	Galvanized	6671819

Item	Shelf depth (mm)	Bay load (kg) for height (mm)		Type	Order no.
		2 x 901	1 x 1,325		
<b>Height 2,490 mm</b>					
RR 33325-V-M	300	1,800	1,250	Galvanized	6671820
RR 34325-V-M	400	1,800	1,250	Galvanized	6671821
RR 35325-V-M	500	1,800	1,250	Galvanized	6671822
RR 36325-V-M	600	1,800	1,250	Galvanized	6671823
RR 38325-V-M	800	1,800	1,250	Galvanized	6671824

Item	Shelf depth (mm)	Bay load (kg) for height (mm)		Type	Order no.
		3 x 901	2 x 1,325		
<b>Height 2,967 mm</b>					
RR 33330-V-M	300	-	1,500	Galvanized	6671825
RR 34330-V-M	400	-	1,500	Galvanized	6671826
RR 35330-V-M	500	-	1,500	Galvanized	6671827
RR 36330-V-M	600	-	1,500	Galvanized	6671828
RR 38330-V-M	800	-	1,500	Galvanized	6671829

**i** Heights 6,836 and 9,115 mm on request

## Upright frames for multi-tier installation

The loads indicated are approximate values that depend on a variety of parameters.

Item	Shelf depth (mm)	Bay load (kg)	Type	Order no.
<b>Height 2,278 mm</b>				
RR 33522-V-M	300	3,500	Galvanized	6671830
RR 34522-V-M	400	3,500	Galvanized	6671831
RR 35522-V-M	500	3,500	Galvanized	6671832
RR 36522-V-M	600	3,500	Galvanized	6671833
RR 38522-V-M	800	3,500	Galvanized	6671834

Item	Shelf depth (mm)	Bay load (kg)	Type	Order no.
<b>Height 2,490 mm</b>				
RR 33525-V-M	300	3,500	Galvanized	6671835
RR 34525-V-M	400	3,500	Galvanized	6671836
RR 35525-V-M	500	3,500	Galvanized	6671837
RR 36525-V-M	600	3,500	Galvanized	6671838
RR 38525-V-M	800	3,500	Galvanized	6671839

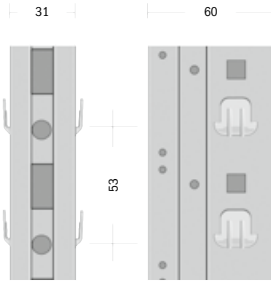
Item	Shelf depth (mm)	Bay load (kg)	Type	Order no.
<b>Height 2,967 mm</b>				
RR 33530-V-M	300	3,500	Galvanized	6671840
RR 34530-V-M	400	3,500	Galvanized	6671841
RR 35530-V-M	500	3,500	Galvanized	6671842
RR 36530-V-M	600	3,500	Galvanized	6671843
RR 38530-V-M	800	3,500	Galvanized	6671844

Item	Shelf depth (mm)	Bay load (kg)	Type	Order no.
<b>Height 4,557 mm</b>				
RR 33545-V-U	300	3,500	Galvanized	6671891
RR 34545-V-U	400	3,500	Galvanized	6671892
RR 35545-V-U	500	3,500	Galvanized	6671893
RR 36545-V-U	600	3,500	Galvanized	6671894
RR 38545-V-U	800	3,500	Galvanized	6671895

Order no. = on stock



Dimensions in mm



**Lug pitch**

The continuous lug pattern of the R 3000 upright profile allows for the flexible configuration of the shelving bays with the extensive range of accessories. The compartment heights can be freely adjusted in 53 mm steps by fitting the shelves on the upright lugs.

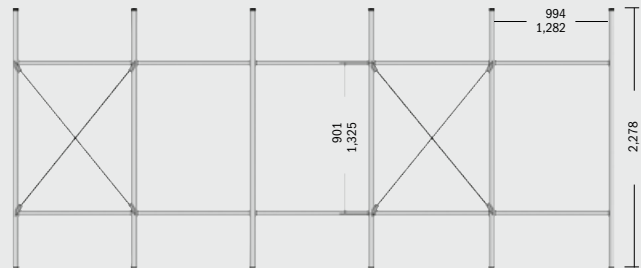
# Shelving components and accessories

**Cross braces**

A cross brace must be fitted onto the back of the first and every other third rack bay to stabilize the racks.

**Note:** Shelves must be installed near the cross-brace connecting points.

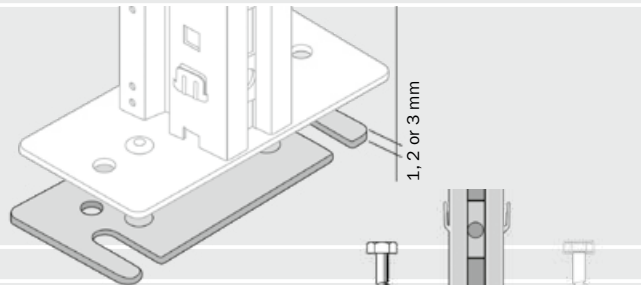
Item	Bay width (mm)	Height (mm)	Order no.
KV 31009	994	901	6670673
KV 31013		1,325	146000
KV 31309	1,282	901	6670674
KV 31313		1,325	146010



**Shim plates**

Sheet steel, galvanized. To compensate for slightly uneven ground surfaces.

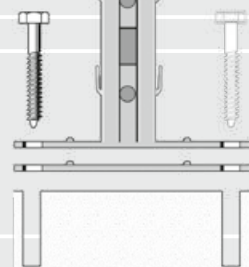
Item	Thickness (mm)	Order no.
UP3001-V	1	6671710
UP3002-V	2	6671711
UP3003-V	3	6671712



**Floor fixing**

Screw anchor for anchoring the racks to the floor.

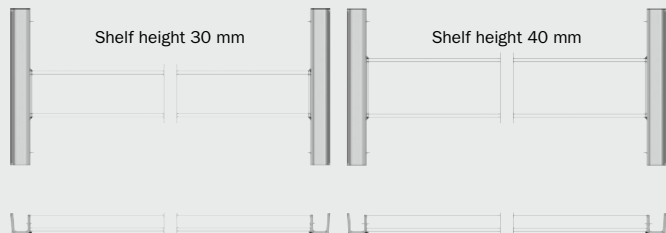
Item	Order no.
HUS3-H6x60	6671728



**Horizontal braces**

Sheet steel, powder-coated light silver. Used for stiffening shelving rows longitudinally when cross-braces cannot be used because single-sided shelving must be accessible from both sides respectively when long parts must be pushed through in a double-sided bay. The frame distance must be at least 30 mm in order to guarantee that the braces can be subsequently adjusted in height. 2 horizontal braces are fitted onto the upper and lower shelf of each rack bay of a rack row (for shelf heights up to 2,967 mm). The interlocking connection with the upright guarantees high rigidity. **Bay load-bearing capacity on request!**

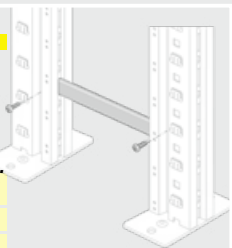
Item	Bay width (mm)	Shelf height (mm)	Order no.
LV 3103	994	30	145060
LV 3133	1,282	30	145070
LV 3104	994	40	145080
LV 3134	1,282	40	145090



**Frame connector**

Sheet steel, galvanized. For connecting 2 shelving bays back-to-back in a row. Frame spacing at least 6 mm. Incl. fixing kit.

Item	Frame distance (mm)	Order no.
RV 3006	6	147080
RV 3030	30	147090
RV 3050	50	147100
RV 3100	100	147110
RV 3300	300	147120



**End cap**

High-quality black plastic. Attached to the uprights as an end piece.

Item	Order no.
AK 3000	147130



Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

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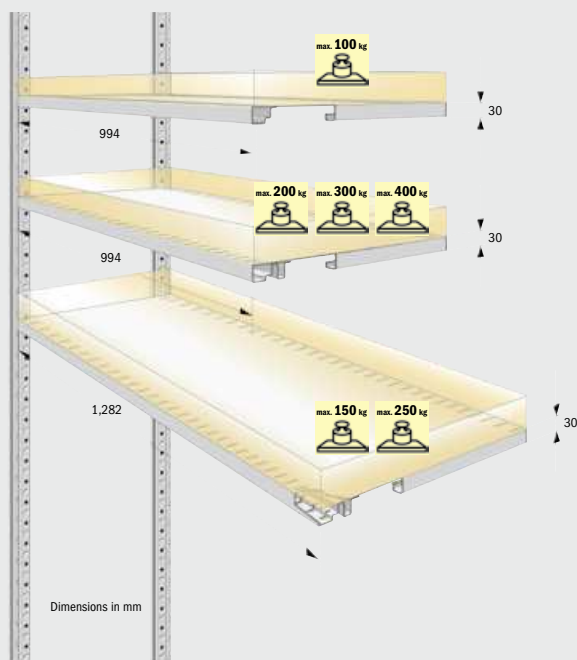
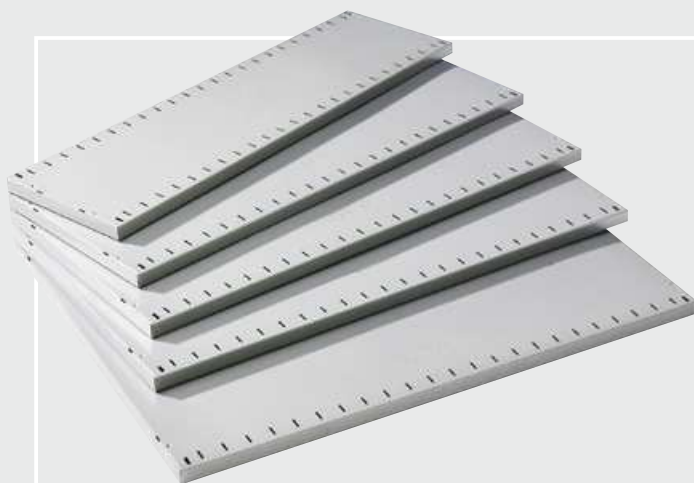
GALVANIZED LIGHT SILVER



# Shelves

## Shelves

Sheet steel, powder-coated light silver or galvanized, 30 or 40 mm high. Used to subdivide a bay into individual compartments with variable heights. Designed with two slot rows at the front and the back side for fitting vertical dividers. Slot spacing 41 mm. Offset arrangements of different compartment heights in a double-sided bay and row are possible



### Shelves for bay width 994 mm, height 30 mm

Sheet steel, powder-coated light silver or galvanized.

Item	Shelf depth (mm)	Load capacity max. (kg)	Edge design	Surface	Order no.
ZB 4313 V	300	100	N	Galvanized	27002
ZB 4313 L		100	N	Powder-coated	27000
ZB 4413 V	400	100	N	Galvanized	27012
ZB 4413 L		100	N	Powder-coated	27010
ZB 4423 V		200	V	Galvanized	27022
ZB 4423 L		200	V	Powder-coated	27020
ZB 4513 V	500	100	N	Galvanized	27032
ZB 4513 L		100	N	Powder-coated	27030
ZB 4523 V		200	V	Galvanized	27042
ZB 4523 L		200	V	Powder-coated	27040
ZB 4533 V		300	V	Galvanized	27052
ZB 4533 L		300	V	Powder-coated	27050
ZB 4543 V		400	V	Galvanized	27062
ZB 4543 L		400	V	Powder-coated	27060
ZB 4613 V	600	100	N	Galvanized	27072
ZB 4613 L		100	N	Powder-coated	27070
ZB 4623 V		200	V	Galvanized	27082
ZB 4623 L		200	V	Powder-coated	27080
ZB 4633 V		300	V	Galvanized	27092
ZB 4633 L		300	V	Powder-coated	27090
ZB 4643 V		400	V	Galvanized	27102
ZB 4643 L		400	V	Powder-coated	27100
ZB 4823 V	800	200	V	Galvanized	27172
ZB 4823 L		200	V	Powder-coated	27170
ZB 4843 V		400	V	Galvanized	27192
ZB 4843 L		400	V	Powder-coated	27190

### Shelves for bay width 1,282 mm, height 30 mm

Sheet steel, powder-coated light silver or galvanized.

ZB 9415 V	400	150	V	Galvanized	38102
ZB 9415 L		150	V	Powder-coated	38100
ZB 9515 V	500	150	V	Galvanized	38112
ZB 9515 L		150	V	Powder-coated	38110
ZB 9525 V		250	V	Galvanized	38122
ZB 9525 L		250	V	Powder-coated	38120
ZB 9615 V	600	150	V	Galvanized	38132
ZB 9615 L		150	V	Powder-coated	38130
ZB 9625 V		250	V	Galvanized	38142
ZB 9625 L		250	V	Powder-coated	38140
ZB 9825 V	800	250	V	Galvanized	38282
ZB 9825 L		250	V	Powder-coated	38280

## Label holder

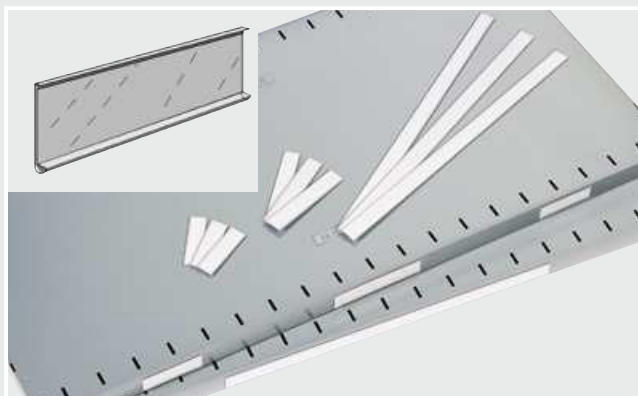
Self-adhesive, for labeling storage locations.

Item	Length (mm)	PU	Order no.
EH 4085	85	50	27800
EH 4135	135	50	27810
EH 4490	490	50	27820
EH 4980	980	25	26360
EH 9125	1,250	25	26370

## Labels

Item	Length (mm)	PU	Order no.
EHE 4085	85	100	28050
EHE 4135	135	100	28060
EHE 4490	490	100	28070

Order no. = on stock



# Shelves

Underside Shelf  
V-design

Underside Shelf  
N-design

## Shelves for bay width 994 mm, height 40 mm

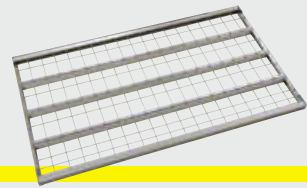
Sheet steel, powder-coated light silver or galvanized.

Item	Shelf depth (mm)	Load capacity max. (kg)	Edge design	Surface	Order no.
ZB 331010 V	300	100	N	Galvanized	145500
ZB 331010 L		100	N	Powder-coated	on req.
ZB 341010 V	400	100	N	Galvanized	145510
ZB 341010 L		100	N	Powder-coated	on req.
ZB 341020 V		200	N	Galvanized	145570
ZB 341020 L		200	N	Powder-coated	on req.
ZB 351010 V	500	100	N	Galvanized	145520
ZB 351010 L		100	N	Powder-coated	on req.
ZB 351020 V		200	N	Galvanized	145580
ZB 351020 L		200	N	Powder-coated	on req.
ZB 351030 V		300	N	Galvanized	145640
ZB 351030 L		300	N	Powder-coated	on req.
ZB 351040 V		400	V	Galvanized	145660
ZB 351040 L		400	V	Powder-coated	on req.
ZB 361010 V	600	100	N	Galvanized	145530
ZB 361010 L		100	N	Powder-coated	on req.
ZB 361020 V		200	N	Galvanized	145590
ZB 361020 L		200	N	Powder-coated	on req.
ZB 361030 V		300	N	Galvanized	145650
ZB 361030 L		300	N	Powder-coated	on req.
ZB 361040 V		400	V	Galvanized	145670
ZB 361040 L		400	V	Powder-coated	on req.
ZB 381020 V	800	200	N	Galvanized	145600
ZB 381020 L		200	N	Powder-coated	on req.
ZB 381040 V		400	V	Galvanized	145680
ZB 381040 L		400	V	Powder-coated	on req.

## Shelves for bay width 1,282 mm, height 40 mm

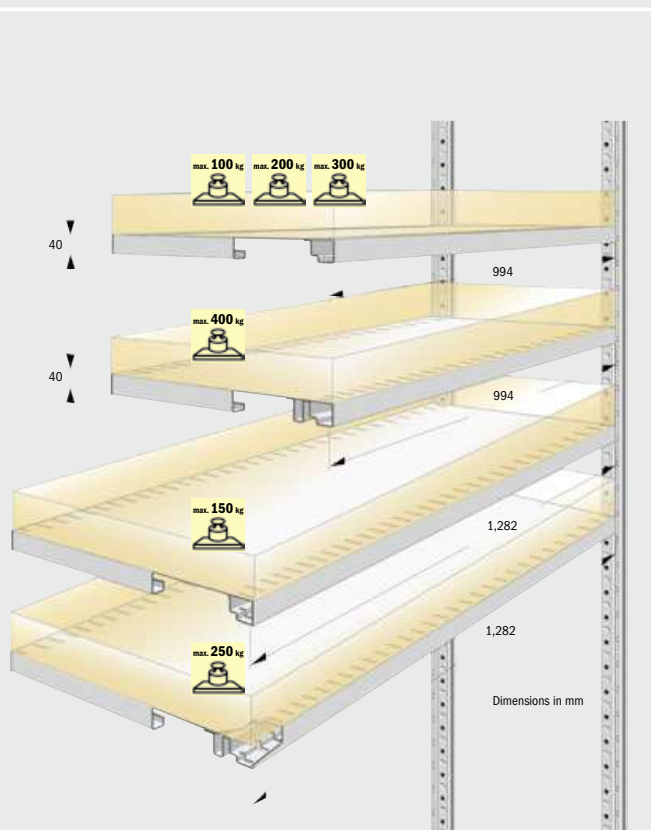
Sheet steel, powder-coated light silver or galvanized.

ZB 341315 V	400	150	N	Galvanized	145540
ZB 341315 L		150	N	Powder-coated	on req.
ZB 351315 V	500	150	N	Galvanized	145550
ZB 351315 L		150	N	Powder-coated	on req.
ZB 351325 V		250	V	Galvanized	145610
ZB 351325 L		250	V	Powder-coated	on req.
ZB 361315 V	600	150	N	Galvanized	145560
ZB 361315 L		150	N	Powder-coated	on req.
ZB 361325 V		250	V	Galvanized	145620
ZB 361325 L		250	V	Powder-coated	on req.
ZB 381325 V	800	250	V	Galvanized	145630
ZB 381325 L		250	V	Powder-coated	on req.



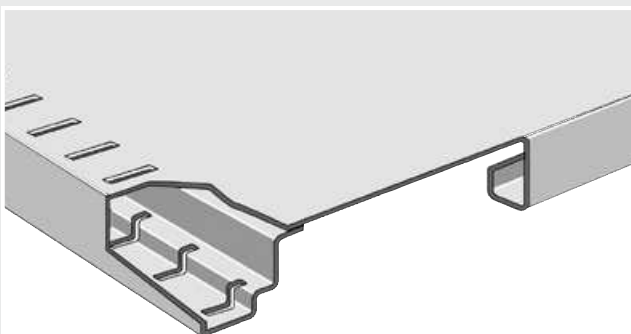
**i** Wire mesh shelves

page A21

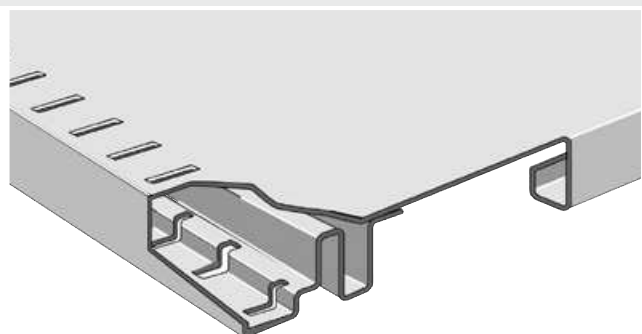


**i** Shelf containers for modular shelvings

from page A37



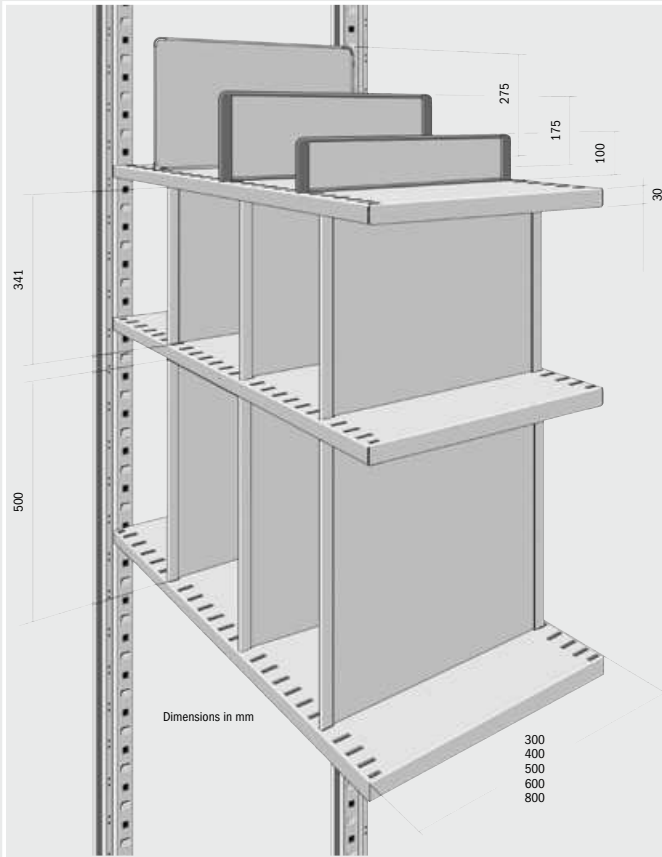
Single edge shelf with 6-fold longitudinal edge = N-design



Double edge shelf with 10-fold longitudinal edge = V-design



# Vertical shelf dividers



### Free-standing dividers for 30 mm high shelves

Sheet steel, galvanized. These dividers are inserted into the slots of the shelves independently of the compartment height and can also be used in combination with big fronts.

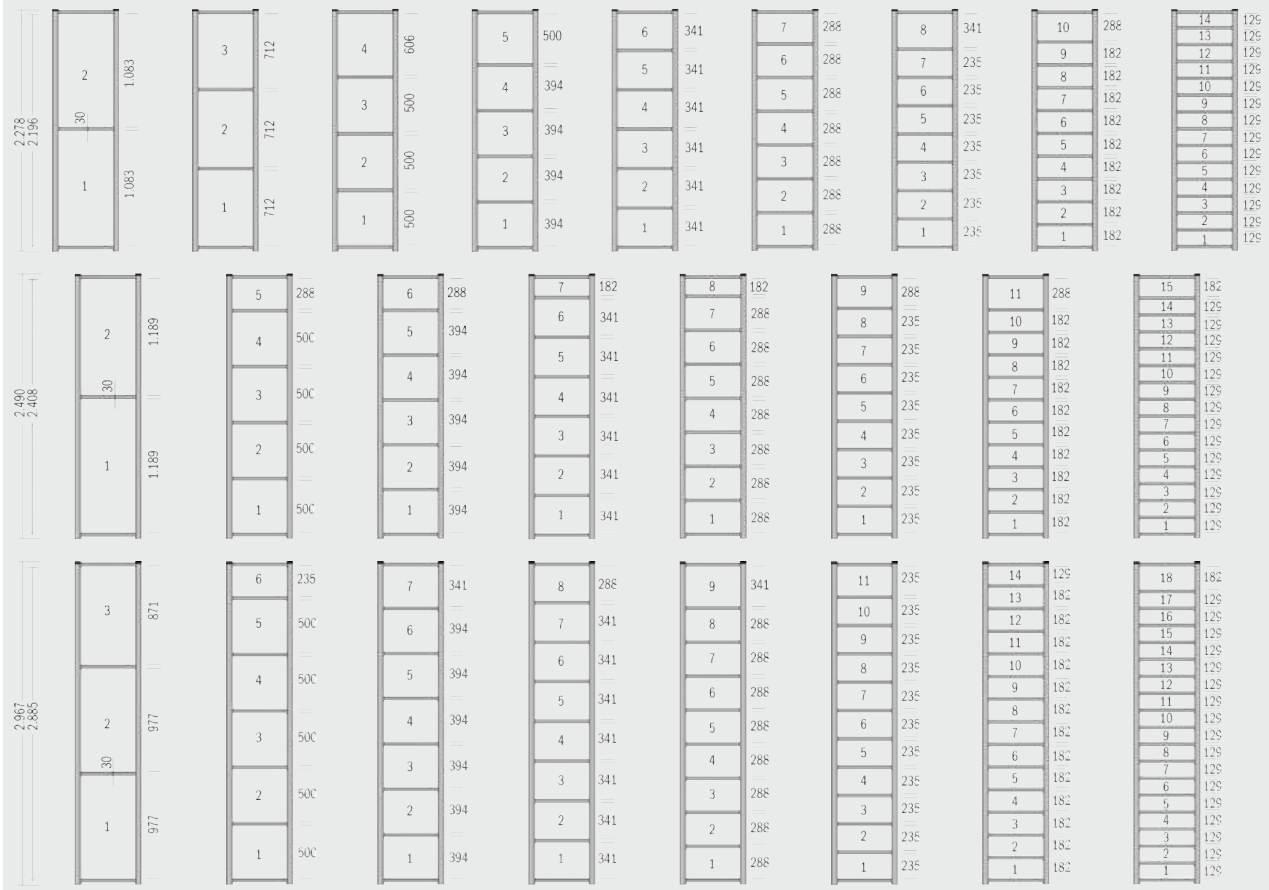
Item	Shelf depth (mm)	Divider height (mm)	Version with	Order no.
TRF-K 4310	300	100	Plastic connectors	27300
TRF-K 4317		175	Plastic connectors	27340
TRF-K 4410	400	100	Plastic connectors	27310
TRF-K 4417		175	Plastic connectors	27350
TRF-D 4427		275	Wire connectors	27380
TRF-K 4510	500	100	Plastic connectors	27320
TRF-K 4517		175	Plastic connectors	27360
TRF-D 4527		275	Wire connectors	27390
TRF-K 4610	600	100	Plastic connectors	27330
TRF-K 4617		175	Plastic connectors	27370
TRF-D 4627		275	Wire connectors	27400
TRF-D 4810	800	100	Wire connectors	39650
TRF-D 4817		175	Wire connectors	39660

### Full-height dividers

Sheet steel, galvanized, for clear shelf heights of 341 mm and 500 mm.

Item	Shelf depth (mm)	Shelf height (mm)	Order no.
TR 4340	300	341	27200
TR 4440	400	341	27210
TR 4450		500	27240
TR 4540	500	341	27220
TR 4550		500	27250
TR 4640	600	341	27230
TR 4650		500	27260

Height elevations using shelves for the shelving heights 2,278, 2,490 and 2,967 mm



Order no. = on stock

# Vertical shelf dividers

## Free-standing dividers for 40 mm high shelves

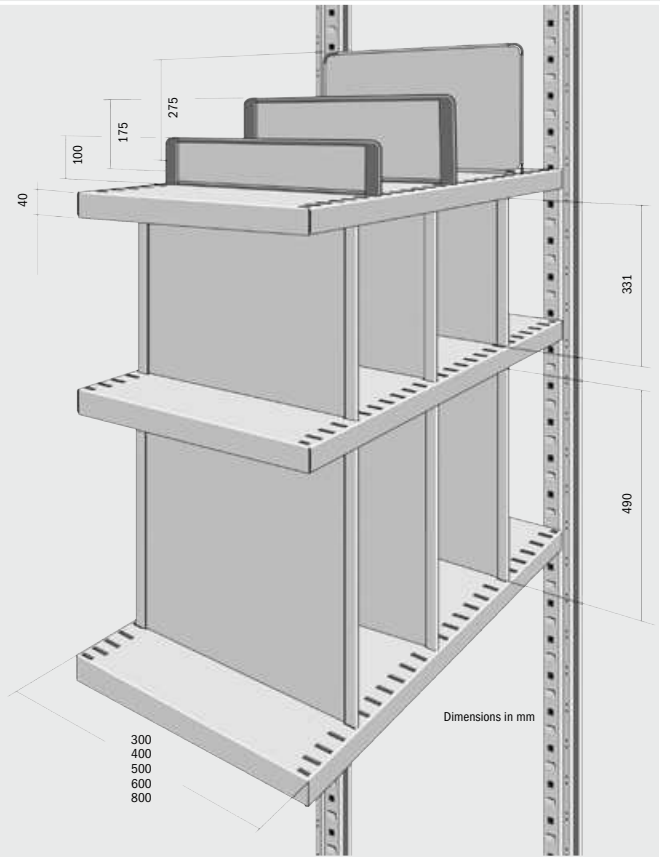
Sheet steel, galvanized. These dividers are inserted into the slots of the shelves independently of the compartment height and can also be used in combination with big fronts.

Item	Shelf depth (mm)	Divider height (mm)	Version with	Order no.
TRF-K 4310 G	300	100	Plastic connectors	27301
TRF-K 4317 G		175	Plastic connectors	27341
TRF-K 4410 G	400	100	Plastic connectors	27311
TRF-K 4417 G		175	Plastic connectors	27351
TRF-D 4427 G		275	Wire connectors	27381
TRF-K 4510 G	500	100	Plastic connectors	27321
TRF-K 4517 G		175	Plastic connectors	27361
TRF-D 4527 G		275	Wire connectors	27391
TRF-K 4610 G	600	100	Plastic connectors	27331
TRF-K 4617 G		175	Plastic connectors	27371
TRF-D 4627 G		275	Wire connectors	27401
TRF-D 4810 G	800	100	Wire connectors	39651
TRF-D 4817 G		175	Wire connectors	39661

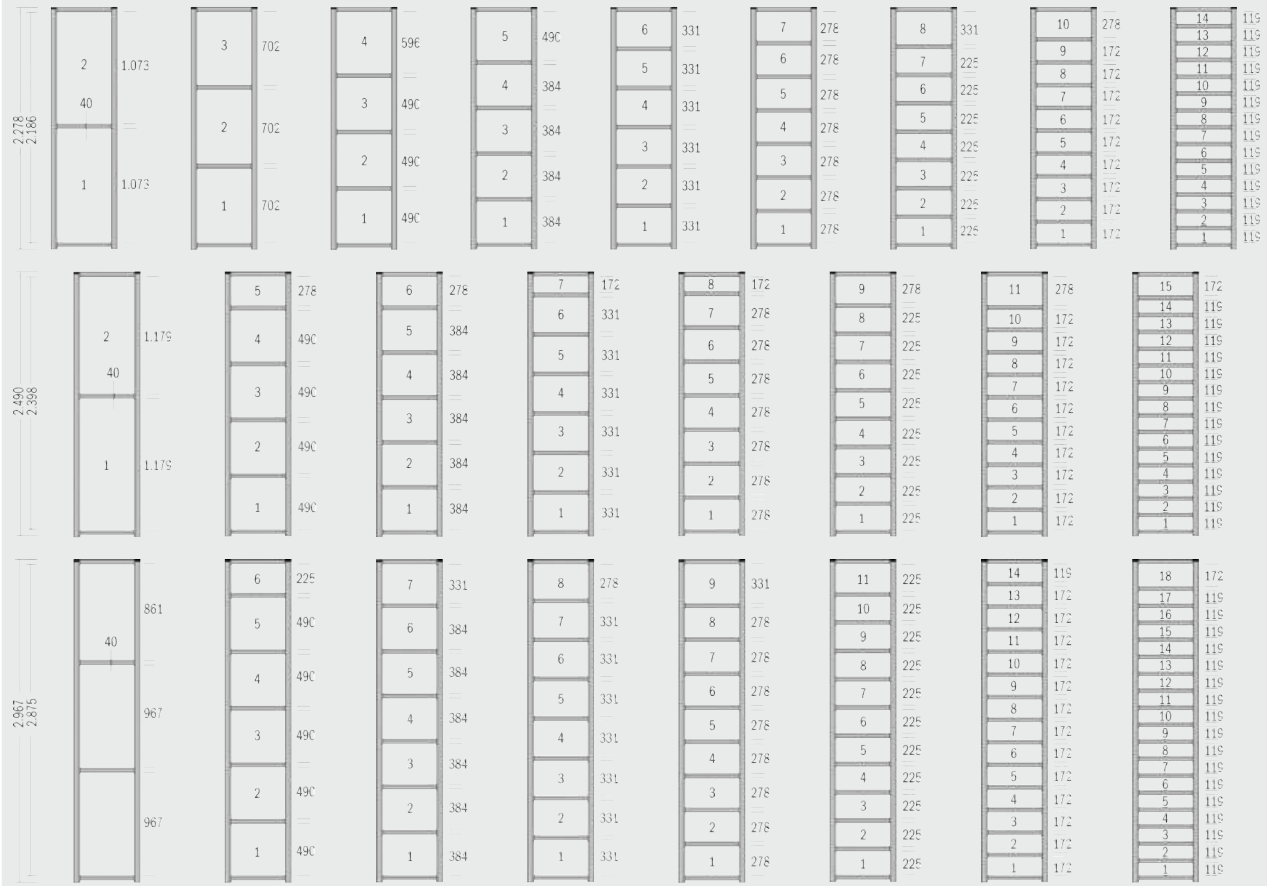
## Full-height dividers

Sheet steel, galvanized, for clear shelf heights of 331 mm and 490 mm.

TR 3330	300	331	147000
TR 3430	400	331	147010
TR 3450		490	147020
TR 3530	500	331	147030
TR 3550		490	147040
TR 3630	600	331	147050
TR 3650		490	147060



Height elevations using shelves for the shelving heights 2,278, 2,490 and 2,967 mm



Modular shelving

Longspan racking

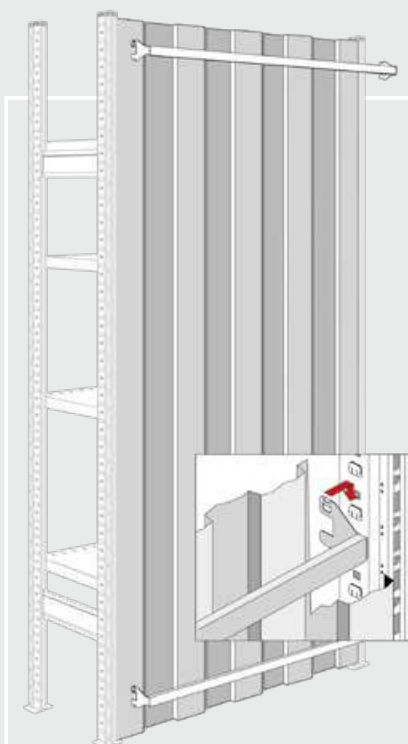
Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

# Shelving components and accessories



### Back panels

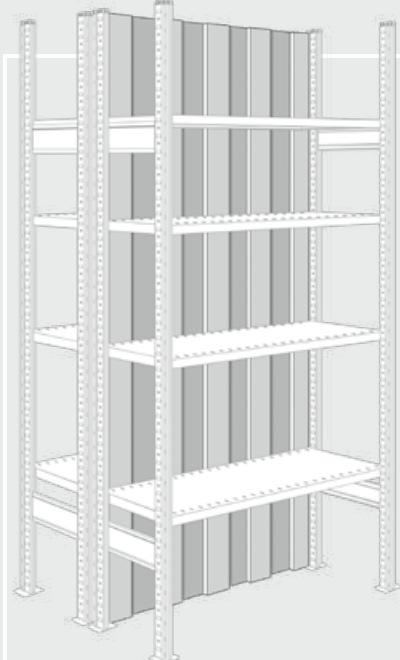
Sheet steel, galvanized. The 3-piece back panel leans against the shelves. The retaining beams are installed behind the back panel and attached to the upright lugs.

#### For bay width 994 mm, 3-piece

Item	Height (mm)	Order no.
RWA 31022	2,278	146700
RWA 31025	2,490	146520
RWA 31030	2,967	146530

#### For bay width 1,282 mm, 3-piece

RWA 31322	2,278	146710
RWA 31325	2,490	146550
RWA 31330	2,967	146560



### Center panels, inside

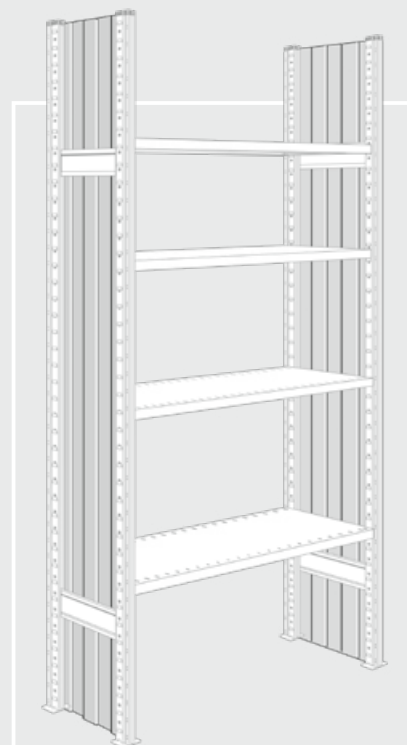
Sheet steel, galvanized. Installed in double-sided bays. The panels are held in position by the shelves.

#### For bay width 994 mm, 3-piece

Item	Height (mm)	Order no.
RWI 31022-V	2,278	6672470
RWI 31025-V	2,490	6672471
RWI 31030-V	2,967	6672472

#### For bay width 1,282 mm, 3-piece

RWI 31322-V	2,278	6672473
RWI 31325-V	2,490	6672474
RWI 31330-V	2,967	6672475



### Side panels

Sheet steel, galvanized. The side panel leans against the upright frame and is held in position by the shelves.

#### For height 2,278 mm

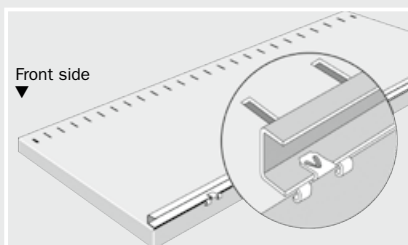
Item	Shelf depth (mm)	Order no.
SWI 3322-V	300	6672395
SWI 3422-V	400	6672399
SWI 3522-V	500	6672402
SWI 3622-V	600	6672405
SWI 3822-V	800	6672408

#### For height 2,490 mm

SWI 3325-V	300	6672396
SWI 3425-V	400	6672400
SWI 3525-V	500	6672403
SWI 3625-V	600	6672406
SWI 3825-V	800	6672409

#### For height 2,967 mm

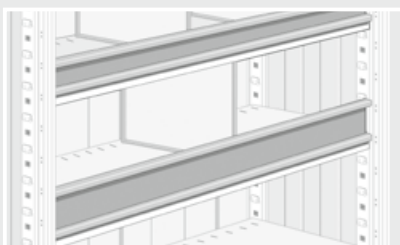
SWI 3330-V	300	6672397
SWI 3430-V	400	6672401
SWI 3530-V	500	6672404
SWI 3630-V	600	6672407
SWI 3830-V	800	6672410



### Back stop

Sheet steel, galvanized. Prevents load carriers and storage goods from being pushed through, include 3 clips.

Item	Bay width (mm)	Order no.
DSL 4102	994	27990
DSL 9131	1,282	38190



### Bin fronts

Sheet steel, galvanized, for storing loose small parts. Particularly useful in conjunction with dividers and side and back panels.

Item	Bay width (mm)	Strip height (mm)	Order no.
VL 4001	994	40	27760
VL 4000		85	27750
VL 9001	1,282	40	37850
VL 9000		85	37860

### U-profile strips

We recommend U-profile strips when using sheet steel central and back panels (RWI/RWA type).

#### U-profile strips, single

As an installation aid at the bottom or as a top piece.

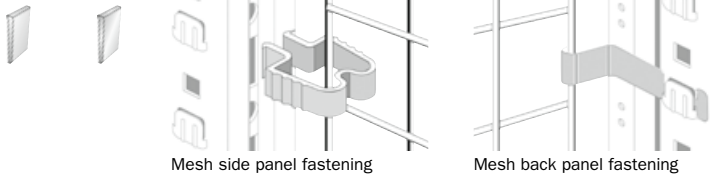
Item	for bay width (mm)	Order no.
RWUE 3100	994	6623182
RWUE 3130	1,282	6623184

Order no. = on stock



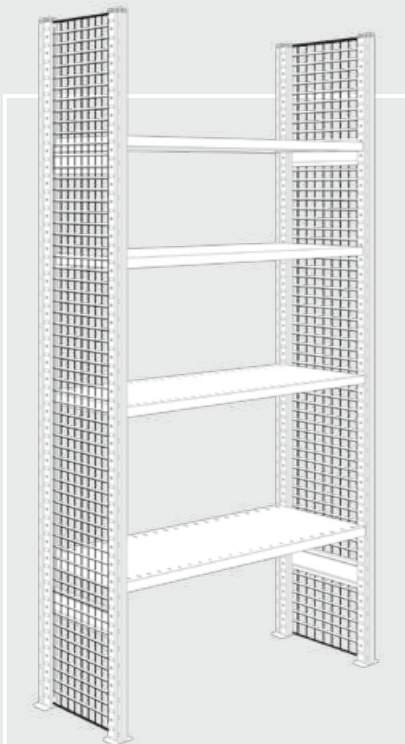
# Accessories

**GALVANIZED**   **LIGHT SILVER**



Mesh side panel fastening

Mesh back panel fastening



### Mesh side panels

Steel wire, painted light silver. The panels are attached to the uprights using clips. Incl. fixing kit.

#### For height 2,278 mm

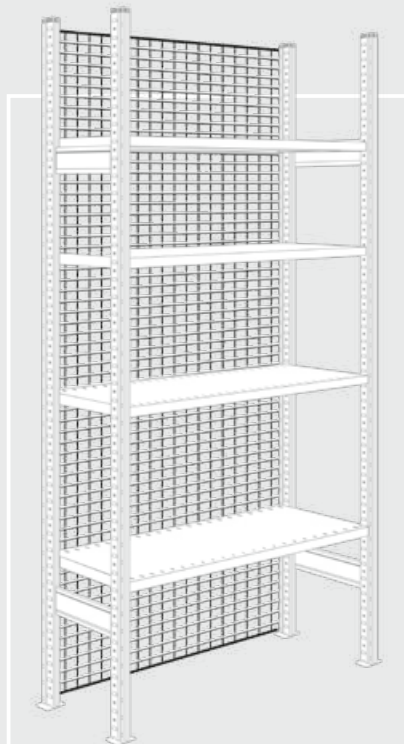
Item	Shelf depth (mm)	Order no.
SWG 3322	300	146740
SWG 3422	400	146750
SWG 3522	500	146760
SWG 3622	600	146770
SWG 3822	800	146780

#### For height 2,490 mm

SWG 3325	300	146350
SWG 3425	400	146360
SWG 3525	500	146370
SWG 3625	600	146380
SWG 3825	800	146390

#### For height 2,967 mm, 2-piece

SWG 3330	300	146400
SWG 3430	400	146410
SWG 3530	500	146420
SWG 3630	600	146430
SWG 3830	800	146440



### Mesh back panels

Steel wire, painted light silver. The panels are attached to the uprights using retaining springs. Incl. fixing kit.

#### For bay width 994 mm

Item	Height (mm)	Order no.
RWG 31022	2,278	146790
RWG 31025	2,490	146580
RWG 31030	2,967/pair	146590

#### For bay width 1,282 mm

RWG 31322	2,278	146800
RWG 31325	2,490	146610
RWG 31330	2,967/pair	146620



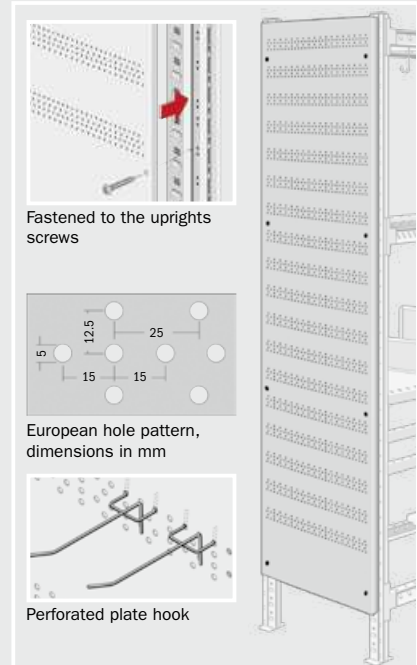
Angled version

Straight version

### Aisle signage

For longitudinal and lateral labeling, with transparent film and removable labels. 1 PU = 10 pieces

Item	Type	Order no.
GBQ	straight version	145720
GBL	angled version	145730



Fastened to the uprights screws

European hole pattern, dimensions in mm

Perforated plate hook

### Outer side panels, perforated

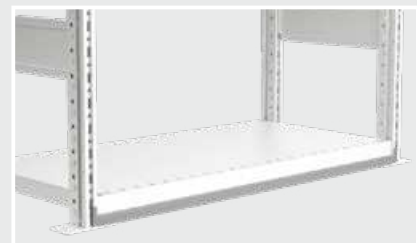
Sheet steel, galvanized. Incl. fixing kit.

#### Height 2,000 mm

Item	Shelf depth (mm)	Order no.
SWA 3420	400	146260
SWA 3520	500	146270
SWA 3620	600	146280

#### Perforated plate hook

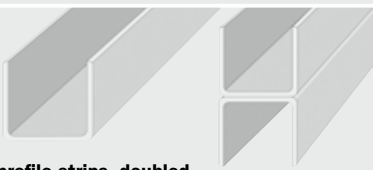
LPH 100		26790
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### Plinth rails

Sheet steel, galvanized. Covers the space between the shelf fitted onto the first cam and the floor.

Item	Bay width (mm)	Order no.
SO 3100-V	994	6672450
SO 3130-V	1,282	6672451



### U-profile strips, doubled

As a connecting element for panel elements above each other. Suitable for RWA/RWI.

Item	for bay width (mm)	Order no.
RWUD 3100	994	6623180
RWUD 3130	1,282	6623181

Modular shelving

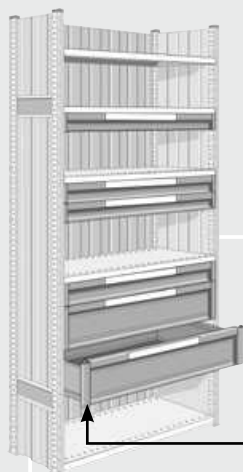
Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

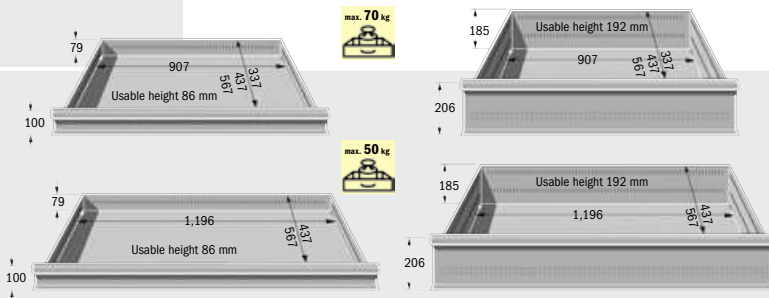


# Drawers and accessories

## Stability

According to the guidelines of the German DG-UV rule 108-007, it is necessary to secure shelving units against tilting when drawers without a mechanical locking system are used.

Lateral drawer linings with and without lock



### Lateral drawer linings

Sheet steel, galvanized or painted light silver. Used to cover the space between the shelving uprights and the drawers. Installation by means of cross-head screws on the left and on the right hand side of the drawer faceplates.

Supplied as a complete set for one drawer each.

Item	for faceplate height (mm)	Version	Surface	Order no.
<b>SBL-3100-V-Z</b>	100	without lock	galvanized	<b>6672372</b>
<b>SBL-3100-HS-Z</b>		without lock	painted	<b>6672373</b>
<b>SBL-3100-S-V-Z</b>		with lock	galvanized	<b>6672377</b>
<b>SBL-3100-S-HS-Z</b>		with lock	painted	<b>6672378</b>
<b>SBL-3200-V-Z</b>	206	without lock	galvanized	<b>6672375</b>
<b>SBL-3200-HS-Z</b>		without lock	painted	<b>6672376</b>
<b>SBL-3200-S-V-Z</b>		with lock	galvanized	<b>6672380</b>
<b>SBL-3200-S-HS-Z</b>		with lock	painted	<b>6672381</b>

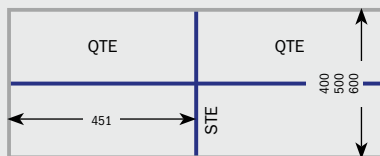
### Drawers for bay width 994/1,282 mm

Sheet steel, galvanized, optionally drawer fronts painted light silver. Drawers can be combined with two-wing doors.

Item	Faceplate height (mm)	for bay width (mm)	for shelf depth (mm)	Usable depth (mm)	Load max. (kg)	Order no.
<b>ESCH 341010-V-Z</b>	100	994	400	337	70	<b>6672340</b>
<b>ESCH 351010-V-Z</b>		994	500	437	70	<b>6672342</b>
<b>ESCH 361010-V-Z</b>		994	600	567	70	<b>6672345</b>
<b>ESCH 341310-V-Z</b>		1,282	400	337	50	<b>6672347</b>
<b>ESCH 351310-V-Z</b>		1,282	500	437	50	<b>6672349</b>
<b>ESCH 361310-V-Z</b>		1,282	600	567	50	<b>6672351</b>
<b>ESCH 341020-V-Z</b>	206	994	400	337	70	<b>6672353</b>
<b>ESCH 351020-V-Z</b>		994	500	437	70	<b>6672355</b>
<b>ESCH 361020-V-Z</b>		994	600	567	70	<b>6672357</b>
<b>ESCH 341320-V-Z</b>		1,282	400	437	50	<b>6672359</b>
<b>ESCH 351320-V-Z</b>		1,282	500	437	50	<b>6672361</b>
<b>ESCH 361320-V-Z</b>		1,282	600	567	50	<b>6672363</b>

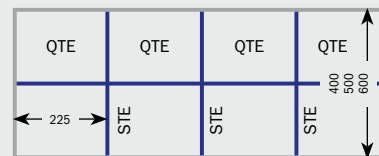
### Drawer dividers and cross partitioning

Pushed into plastic brackets connected to the rows of holes for the drawer front and side panels. For compartment widths 451, 225 and 112 mm, the compartment depths can be freely configured using adjustable cross dividers. Without cross dividers, the full drawer depth can be used, enabling individual compartment lengths.



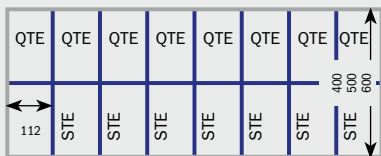
Quarter division, 1x STE and 2x QTE

Item	for drawer	Order no.
<b>SE 4121</b>	ESCH 341010	<b>29742</b>
<b>SE 4122</b>	ESCH 341020	<b>29752</b>
<b>SE 5121</b>	ESCH 351010	<b>29740</b>
<b>SE 5122</b>	ESCH 351020	<b>29750</b>
<b>SE 6121</b>	ESCH 361010	<b>29741</b>
<b>SE 6122</b>	ESCH 361020	<b>29751</b>



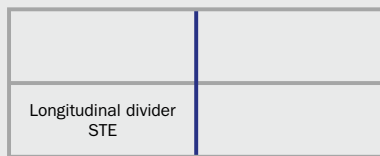
Eighth division, 3x STE and 4x QTE

Item	for drawer	Order no.
<b>SE 4141</b>	ESCH 341010	<b>29762</b>
<b>SE 4142</b>	ESCH 341020	<b>29772</b>
<b>SE 5141</b>	ESCH 351010	<b>29760</b>
<b>SE 5142</b>	ESCH 351020	<b>29770</b>
<b>SE 6141</b>	ESCH 361010	<b>29761</b>
<b>SE 6142</b>	ESCH 361020	<b>29771</b>



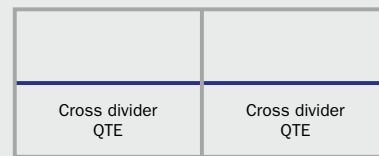
Sixteenth division, 7x STE and 8x QTE

Item	for drawer	Order no.
<b>SE 4181</b>	ESCH 4410	<b>29782</b>
<b>SE 4182</b>	ESCH 4420	<b>29792</b>
<b>SE 5181</b>	ESCH 4510	<b>29780</b>
<b>SE 5182</b>	ESCH 4520	<b>29790</b>
<b>SE 6181</b>	ESCH 4610	<b>29781</b>
<b>SE 6182</b>	ESCH 4620	<b>29791</b>



Longitudinal dividers

Item	Drawer front height (mm)	Order no.
<b>STE 4010</b>	100	<b>26660</b>
<b>STE 4020</b>	206	<b>26670</b>
<b>STE 5010</b>	100	<b>29880</b>
<b>STE 5020</b>	206	<b>29881</b>
<b>STE 6010</b>	100	<b>29882</b>
<b>STE 6020</b>	206	<b>29883</b>
<b>QTE/STE</b>	Divider holder	<b>6000349</b>



Cross dividers

Item	Division	Drawer front height (mm)	Order no.
<b>QTE 1210</b>	1/2	100	<b>29860</b>
<b>QTE 1220</b>	1/2	206	<b>29861</b>
<b>QTE 1410</b>	1/4	100	<b>29862</b>
<b>QTE 1420</b>	1/4	206	<b>29863</b>
<b>QTE 1810</b>	1/8	100	<b>29864</b>
<b>QTE 1820</b>	1/8	206	<b>29865</b>

Order no. = on stock

BLUE LIGHT SILVER

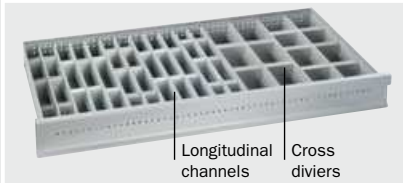


Pull-out shelves  
Wing doors

**Two-wing doors**

The bottom shelf must always be 30 mm high. The side and back panels must be ordered separately when retrofitting

# Pull-out shelves, drawer dividers and wing doors



**Combination A**

12 longitudinal channels W 46.5 mm and 30 cross dividers; 4 longitudinal channels W 93 mm and 10 cross dividers.

Item	Shelving depth (mm)	Order no.
SU-3410-A	400	6672427
SU-3510-A	500	6672430
SU-3610-A	600	6672433



**Combination B**

6 longitudinal channels W 46.5 mm and 24 cross dividers; 3 longitudinal channels W 93 mm and 12 cross dividers; 2 longitudinal channels W 186 mm and 4 cross dividers.

Item	Shelving depth (mm)	Order no.
SU-3410-B	400	6672428
SU-3510-B	500	6672431
SU-3610-B	600	6672434



**Combination C**

10 longitudinal channels W 93 mm and 20 cross dividers.

Item	Shelving depth (mm)	Order no.
SU-3410-C	400	6672429
SU-3510-C	500	6672432
SU-3610-C	600	6672435



**Insert boxes**

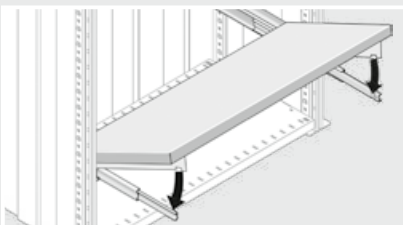
Polystyrene, blue, with labeling handle. Pieces per unit: EK 1: 58 pcs.; EK 2: 80 pcs.; EK 3: 120 pcs.; EK 111-N: 48 pcs.

Item	L x W x H (mm)	Order no.
EK 1	180 x 96 x 60	1134
EK 2	90 x 96 x 60	1144
EK 3	90 x 48 x 60	1154
EK 111-N	137 x 87 x 96	4364

**Insert boxes – complete set**

Only for drawer ESCH 4510. 10x EK 1, 20x EK 2, 10x EK 3.

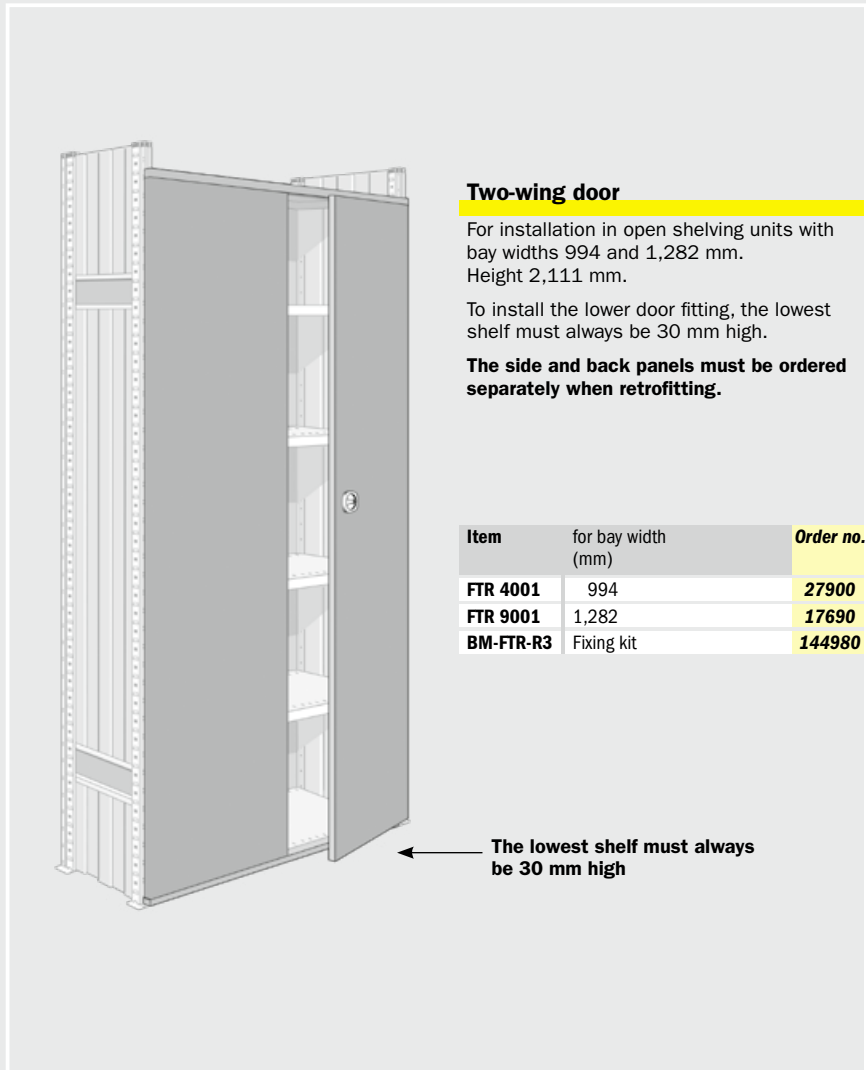
SET 2501	12914
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**Pull-out shelves**

Sheet steel, painted light silver. Complete set including accessories. Compartment load: 70 kg (bay width 994 mm) and 50 kg (bay width 1,282 mm).

Item	Shelf depth (mm)	Bay width (mm)	Order no.
AZB 40995	400	994	35800
AZB 41283		1,282	35810
AZB 50995	500	994	35910
AZB 51283		1,282	35930
AZB 60995	600	994	35920
AZB 61283		1,282	35940



**Two-wing door**

For installation in open shelving units with bay widths 994 and 1,282 mm. Height 2,111 mm.

To install the lower door fitting, the lowest shelf must always be 30 mm high.

The side and back panels must be ordered separately when retrofitting.

Item	for bay width (mm)	Order no.
FTR 4001	994	27900
FTR 9001	1,282	17690
BM-FTR-R3	Fixing kit	144980

**i Side and back panels**

page A14

**i Additional shelves**

from page A10

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support



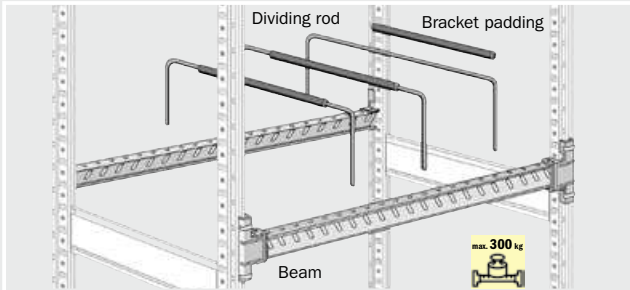
Beams  
Tube dividers  
Push-in holder

Hanging rail set  
Rail support  
Bridging cross beam

# Accessories for storage of bulky parts

## ► Longitudinal z-beams

are used for storage of bulky and car body parts. A minimum of two pairs of beams must be installed per bay and secured against being lifted out using the included screws. Shelving with z-beams do not require cross-braces for stiffening purposes.



### Beams

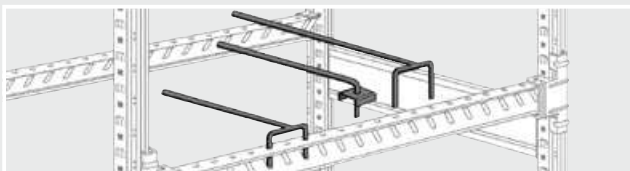
Sheet steel, galvanized. The height positions of the longitudinal beams can be adjusted in 53 mm steps. Incl. anti-lifting device.

Item	Beam length (mm)	Load/pair max. (kg)	Order no.
KTRZ 31036	994	300	147140
KTRZ 31336	1,282	300	147150
KTRZ 32036	2,019	300	147160

### Hoop dividers

The KTB dividers serve to divide 500 or 800 mm deep shelving bays lengthwise. Height 330 mm.

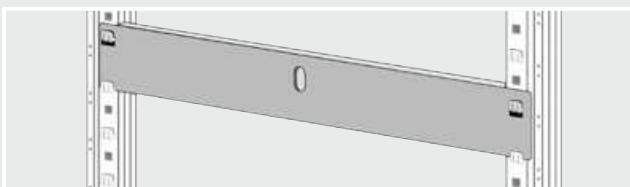
Item	Frame depth (mm)	Order no.
KTB 50	500	159420
KTB 80	800	159430
KTB S	Bracket padding	39640



### Compartment dividers

Can be inserted and exhaust into the holes in the beams.

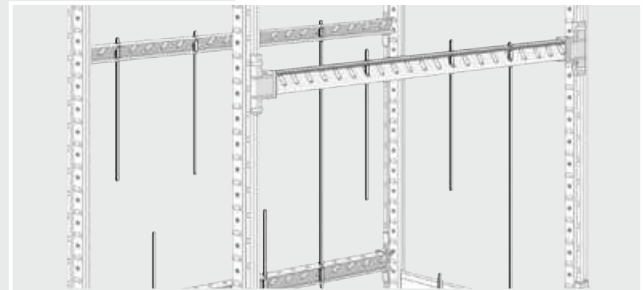
Item	Usable length (mm)	for shelf depth (mm)	Version with	Order no.
APH 340 E	340	400	1 connector	18130
APH 340	340	400	2 connectors	18120
APH 740	740	800	2 connectors	18110



### Rail support

Sheet steel, galvanized. For lateral parts support.

Item	For shelf depth (mm)	Order no.
AL 3400	400	147470
AL 3500	500	147770
AL 3600	600	147780
AL 3800	800	147210



### Tube dividers

Sheet steel, galvanized. The tubes are pushed through the holes in the beams and lock in place automatically.

Item	Push-in tube length (mm)	Usable height (mm)	Order no.
KRA 4170	170		159440
KRA 4300	300		159450
KRA 4950	Glass parts holder	894	159460
KRA 4105	Glass parts holder	1,000	159470

### Terodaem protective underlay (not shown)

To be stuck on the beams as a protection for sensitive metal parts. Self-adhesive, 932 mm length, 2 mm thick.

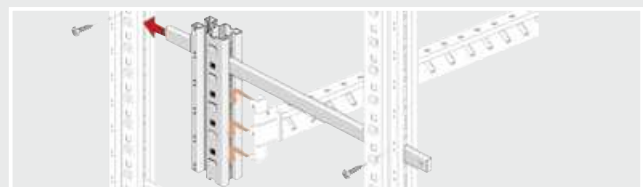
Item	Designation	Order no.
KRT 3102	Terodaem underlay, perforated	147340



### Clothes rail set

Sheet steel, galvanized. For hanging covers, foot mats, clothing, etc.

Item	L x D (mm)	Order no.
KST 3108	994 x 800	147190
KST 3134	1,282 x 400	147490
KST 3138	1,282 x 800	147200



### Bridging cross beam

Galvanized, for use in shelving frames and bridge fields as a storage option for differently-shaped parts.

Item	For shelf depth (mm)	Order no.
TRB 3812	800	147170

Order no. = on stock

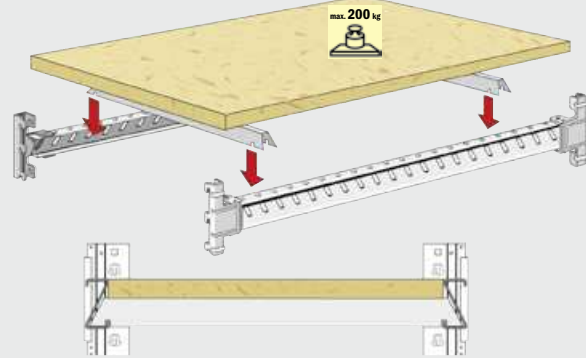
# Accessories for storage of bulky parts

## Chipboard shelves, flush with beams

Made of 19 mm high chipboard. They are placed on the longitudinal beams via the universal carrier and create a unit with the same height. At the same time, the 19 mm high longitudinal edge of the wooden shelf is protected.

The beams are not included in the scope of delivery, please order separately (page A18).

Item	shelf depth (mm)	W x D x H (mm)	Order no.
<b>for bay width 994 mm incl. 2 universal carrier</b>			
KRHH 341020	400	985 x 317 x 19	6670428
KRHH 351020	500	985 x 417 x 19	6670429
KRHH 361020	600	985 x 517 x 19	6670430
KRHH 381020	800	985 x 717 x 19	94760
<b>for bay width 1,282 mm incl. 3 universal carrier</b>			
KRHH 341320	400	1,273 x 317 x 19	6670431
KRHH 351320	500	1,273 x 417 x 19	6670432
KRHH 361320	600	1,273 x 517 x 19	6670433
KRHH 381320	800	1,273 x 717 x 19	94670



## Universal carrier, single

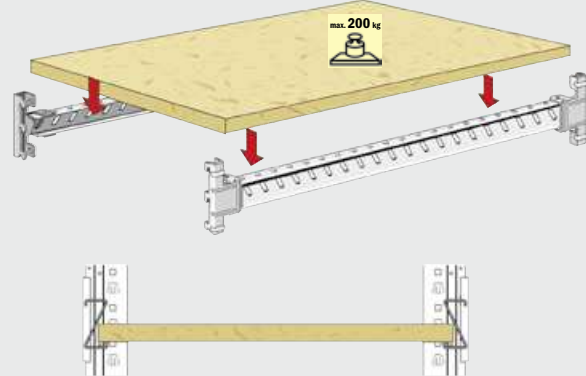
Item	shelf depth (mm)	Order no.
UT 8400	400	6670420
UT 8500	500	6670422
UT 8600	600	94771
UT 8800	800	94770

## Chipboard shelves, recessed

19 mm thick. Used as a stop, inserted into the longitudinal beams.

The beams are not included in the scope of delivery, please order separately (page A18).

Item	shelf depth (mm)	W x D x H (mm)	Order no.
<b>for bay width 994 mm</b>			
KRAB 341020	400	985 x 355 x 19	6670438
KRAB 351020	500	985 x 455 x 19	6670425
KRAB 361020	600	985 x 555 x 19	6670439
KRAB 381020	800	985 x 755 x 19	6670441
<b>for bay width 1,282 mm</b>			
KRAB 341320	400	1,273 x 355 x 19	6670424
KRAB 351320	500	1,273 x 455 x 19	6670426
KRAB 361320	600	1,273 x 555 x 19	6670440
KRAB 381320	800	1,273 x 755 x 19	6670442

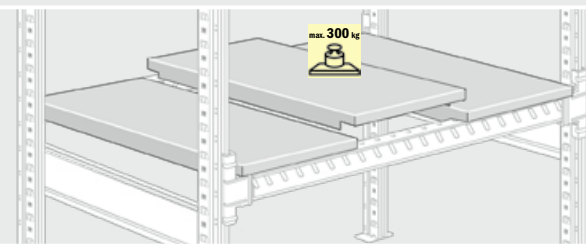


## Sheet steel panels

Galvanized, single or multiple panels can be used to create closed storage areas on the beam levels. W 328 x D 800 mm.

The beams are not included in the scope of delivery, please order separately (page A18).

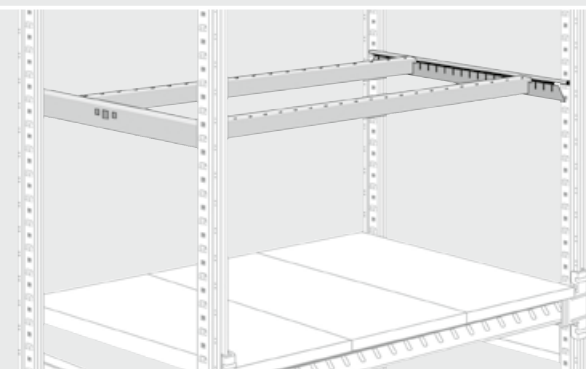
Item	for bay width (mm)	Order no.
PA7834	994 (3 x for bay 994 mm)	29110



## Universal set

The universal set allows the distances between the individual beams to be configured independently on the rack depth. Two opposite TA 4800 beam supports are fitted onto the upright lugs on the sides at the same height. These beam supports have vertical slits. The universal beams fit into the slots and any number can be attached with freely configurable spacings. The entire system is supplied as one universal set, consisting of 2 galvanized TA beam supports and 2 galvanized UT universal beams.

Item	Designation	Order no.
US 4100	Universal set, 4-piece, shelf depth 800 mm	26700
UT 4114	Universal beams, single	26710
KRT 4100	Terodaem underlay, self-adhesive	28220





LIGHT SILVER



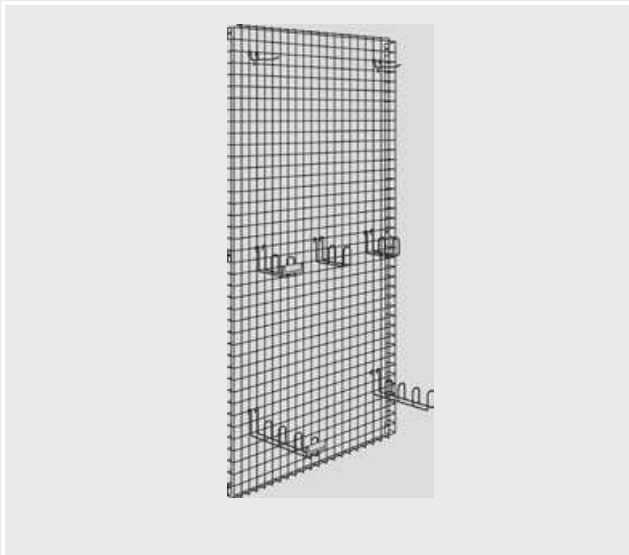
Ornamental parts mesh

GALVANIZED



Long parts hook

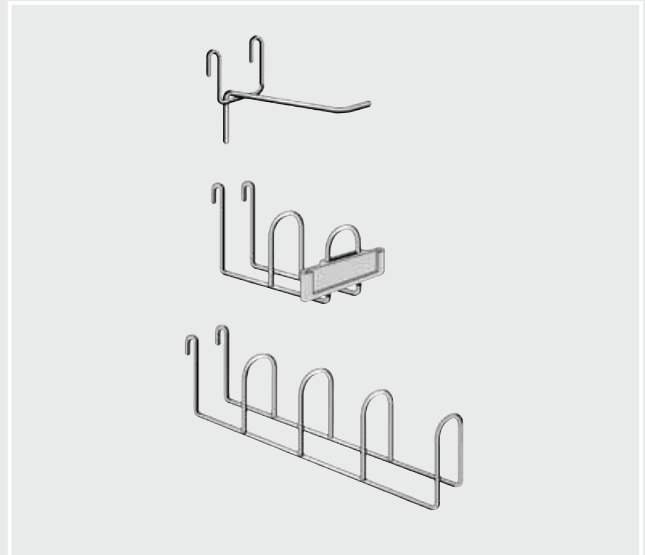
# Panel and long material storage



## Mesh wall hanging racks

Made of structural steel mesh, 50 x 50 x 4 mm, painted light silver. Incl. fastening clips.

Item	W x H (mm)	Order no.
ZR 210/W	1,055 x 2,050	11380



## Long parts hook

Galvanized steel wire. Hook for storing long parts and ornamental parts, hooked into the wire-mesh wall racks.

Item	Depth (mm)	Height (mm)	Type	Order no.
ZH 1	100	75	single	11600
ZH 2	160	75	2 center bars	11390
ZH 4	350	75	4 center bars	11410



## Label holder, labels and protective films

Item	Type	L x W (mm)	PU	Order no.
ZE 82	Plastic label frame	85 x 20	1	11420
ZEE	Index cards for ZE 82		100	11930
ZEF	Protective film		100	11940

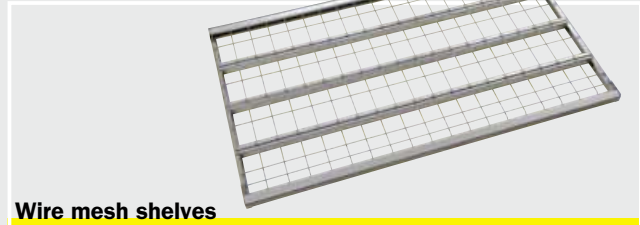


For more information about panel and long material storage

on request

# Water permeable shelves, shelving for the hazardous goods in storage

**i Project-specific solutions**  
 We implement requirements regarding water and/or light permeability for your project with either perforated or wire mesh shelves.  
 Talk to us!



### Wire mesh shelves

Edge and reinforcements made of galvanized sheet steel with inserted wire-mesh. Load-bearing capacity up to max. 250 kg. Water permeability of up to 70%, ideal for project-specific fire protection requirements. Ideal for well-lit working environments and good air circulation. Powder-coated version on request.

Item	Shelf depth (mm)	L x D x H (mm)	Load (kg)	Order no.
DGB 341010 V	400	994 x 400 x 30	100	51701
DGB 341020 V	400	994 x 400 x 30	200	51706
DGB 351010 V	500	994 x 500 x 30	100	51702
DGB 351020 V	500	994 x 500 x 30	200	51707
DGB 361010 V	600	994 x 600 x 30	100	51703
DGB 361020 V	600	994 x 600 x 30	200	51708
DGB 381020 V	800	994 x 800 x 30	200	51709
DGB 341315 V	400	1,282 x 400 x 30	150	51711
DGB 341325 V	400	1,282 x 400 x 30	250	51716
DGB 351315 V	500	1,282 x 500 x 30	150	51712
DGB 351325 V	500	1,282 x 500 x 30	250	51717
DGB 361315 V	600	1,282 x 600 x 30	150	51713
DGB 361325 V	600	1,282 x 600 x 30	250	51718
DGB 381325 V	800	1,282 x 800 x 30	250	51719



### Hazardous materials storage system

Shelving with drip trays and grating shelves for the storage of water-polluting substances as per WHG and combustible materials as per the Ordinance on Industrial Safety and Health (BetrSichV) along with substances of positive liquid list as per DIN 6601. The hazardous goods rack can only be equipped with grated shelves and drip trays. Other accessories from the R 3000 system cannot be used.

The drip tray is attached securely to the lowest shelf level, installed in accordance with the following testing principles:

- Construction rules list A, Part 1, serial no. 15.22, edition 2002/2 from the German Institute for Building Technology
- Ordinance on Installations for the Handling of Substances Hazardous to Water (VAWS)
- Water Resources Act (WHG) section 19h in combination with the Ordinance on Installations for the Handling of Substances Hazardous to Water (VAWS)
- Directive regarding the Requirements for Collecting Trays made of Steel (StawaR)
- DIN 6600, DIN 6601, DIN 6625

Above-ground collecting trays made of sheet steel S350GD + Z, liquid-tight welded, suitable for materials with a density of max. 1,000 kg/m<sup>3</sup>. A corresponding test certificate from RWT has been issued. Compliance with the guidelines is documented by the identification plate on the tray and the corresponding declaration of conformity.

### Grating shelves

Item	Shelf depth (mm)	L x D x H (mm)	Load (kg)	Order no.
G 4400	400	993 x 345 x 30	200	98190
G 4500	500	993 x 445 x 30	200	98170
G 4600	600	993 x 545 x 30	200	98180
G 4800	800	993 x 745 x 30	200	97980

### Drip trays

Item	Shelf depth (mm)	L x D x H (mm)	Collection vol. (l)	Order no.
OAW 4400	400	1,020/970 x 390 x 120/127	30	97990
OAW 4500	500	1,020/970 x 490 x 120/127	38	98150
OAW 4600	600	1,020/970 x 590 x 120/127	46	98160
OAW 4800	800	1,020/970 x 790 x 120/127	60	97970

Order no. = on stock

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

## Wheel and tire storage

Wheel and rim storage is efficient if it is optimally designed for the local conditions. Space-saving, flexible and safe systems are required. Wheel storage systems from SSI SCHAEFER fulfill precisely these criteria.

Storing wheels and rims has never been easier and more practical. The specially shaped wheel and rim beams simply slot into the pre-assembled upright frames without using screws. In addition, the strong beam end connectors reinforce the rigidity of the shelving. The individual levels can be adjusted in 53 : 53 mm steps at any time.

SSI SCHAEFER offers a variety of wheel storage solutions. These include storage next to each other in single and double-depth racks and in sets behind one another in channels.

Car dealerships and workshops rely increasingly on complete service concepts to offer their customers added value. This includes services such as storing the customers' wheels.

The numerous reference systems speak for themselves. SSI SCHAEFER designs the most economical, technically and ergonomically optimized system based on your specific application and usage.

We are happy to advise you – feel free to contact us!





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**Plug-in system for easy and quick installation**

Clear bay widths:  
994 / 1,282 / 2,019 mm,  
Shelving heights:  
2,278 / 2,490 / 2,967 mm  
Shelving depth: 400 mm

**Additional storage space**

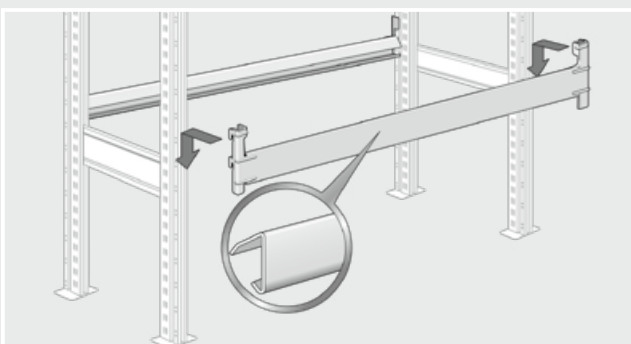
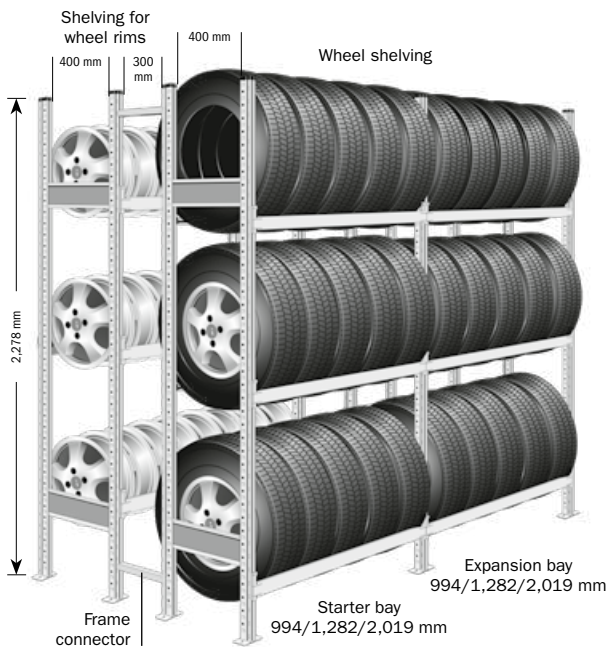
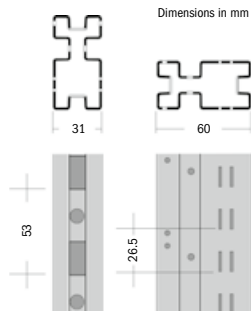
by the use of dividing shelves. The shelves are attached to the upright slots by means of shelf supports.

**Slotted upright frames**

Height adjustability pattern:  
Longitudinal beams: 53 : 53 mm  
Shelves: 26,5 : 26,5 mm

**Careful storage**

of wheels and tyres due to flat uprights (without lugs) and a specially designed beam profile



**Wheel and rim beams**

Item	Clear bay width (mm)	Load/pair max. (kg)	Order no.
RTR 31015	994	100	147220
RTR 31115	1,100	100	6670435
RTR 31315	1,282	100	147230
RTR 31325	1,282	200	147980
RTR 31525	1,506	200	147990
RTR 32025	2,019	200	147240
RTR-VS3400	Torsion bar for clear bay width 2,019 mm		6670339

Order no. = on stock

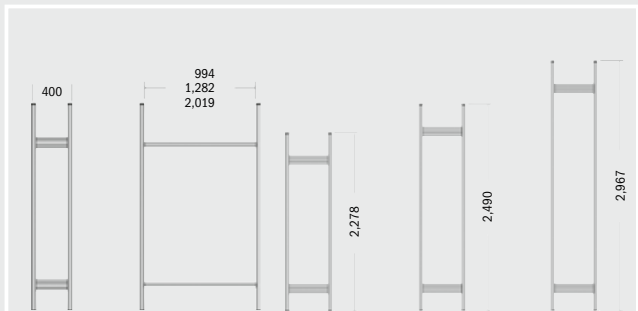
# Wheel storage – complete systems/individual parts

**Wheel and rim complete shelving systems**

For approximately 15 or 18 medium-sized wheels per bay. Especially sturdy and flexible bolt-free system. Sheet steel, galvanized. Complete units consisting of:

- Starter bay: 2 frames and 6 beams (equal to 3 storage levels), 4 top caps and 4 floor fixings
  - Expansion bay: 1 frame and 6 beams (equal to 3 storage levels), 2 top caps and 2 floor fixings
- Clear bay width: 994/1,282/2,019 x H 2,278 x D 400 mm  
Adjusting pattern: 53 : 53 mm

Item	Type	Bay width (mm)	Order no.
RFR34102233V-GF-G	Starter bay	994	6671516
RFR34102233V-AF-G	Expansion bay	994	6671517
RFR34132236V-GF-G	Starter bay	1,282	6671518
RFR34132236V-AF-G	Expansion bay	1,282	6671519
RFR34202236V-GF-G	Starter bay	2,019	6671520
RFR34202236V-AF-G	Expansion bay	2,019	6671521



**Upright frames, galvanized**

Item	Shelf height (mm)	Shelf depth (mm)	Bay load max. (kg)	Order no.
RR34322-V-G-M	2,278	400	1,500	6671942
RR34325-V-G-M	2,490	400	1,500	6671943
RR34330-V-G-M	2,967	400	1,500	6671944

**Shelf supports**

For attaching shelves to frames with slotted uprights. 4 shelf supports are required for each shelf. Shelves from page A10.

Item	PU	Order no.
EHH-SB	1	6002726

**Frame connector**

Sheet steel, galvanized. For connecting 2 shelving bays back-to-back. Incl. fixing kit.

Item	For frame distance (mm)	Order no.
RV 3300	300	147120

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support



## R 7000 – the versatile shelving system



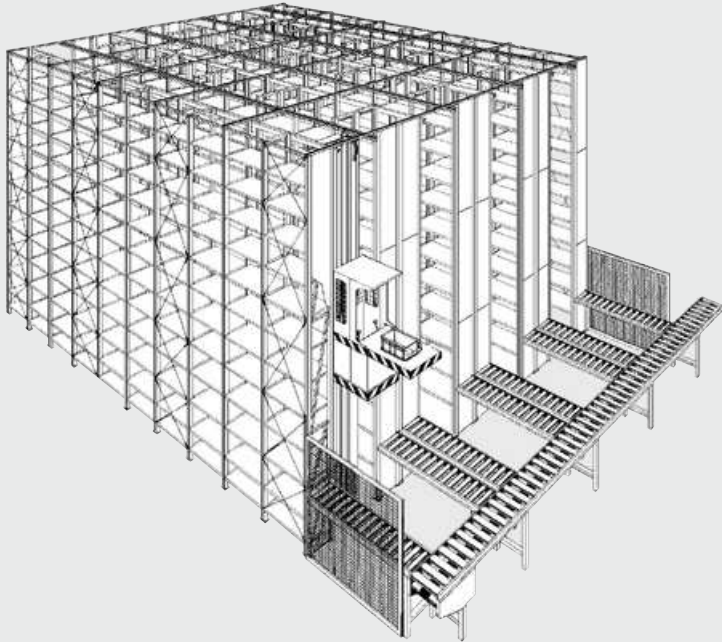
The R 7000 modular shelving is an advanced frame system that enables the completely free design of the shelving bays. It is easy to assemble and suitable for a wide range of warehouse tasks due to its diverse accessories.

Freely positionable shelves or beams enable variable compartment heights that can be flexibly adapted to the size of the storage goods.

Available with the bay widths 995 and 1,283 mm, the shelving system is designed for bay loads of up to 6,000 kg. As a consequence, the R 7000 modular shelving system is ideal for constructing free-standing high bay racking systems with storage and retrieval machinery or for multi-tier installations with accessible platforms and high load requirements.

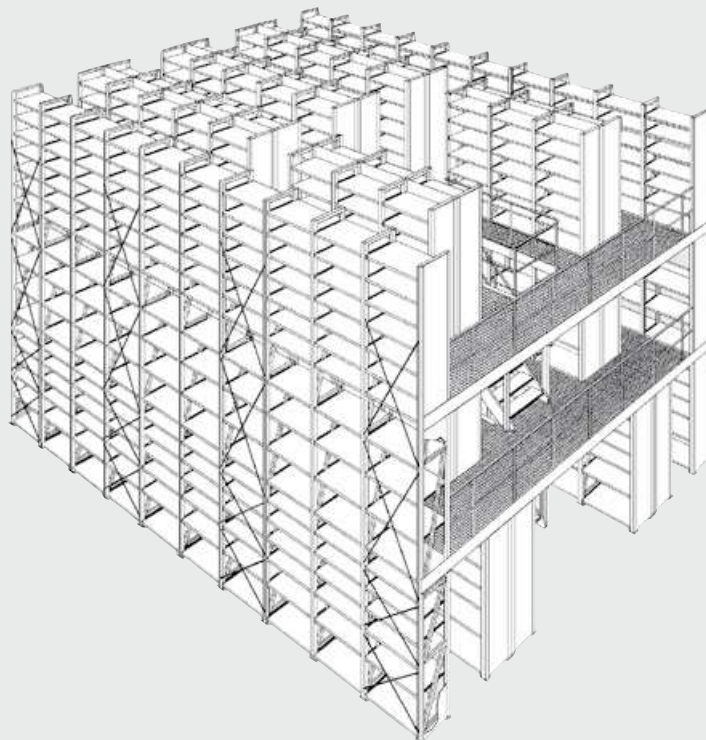


# High bay storage and multi-tier installations



The R 7000 as high bay storage connected to a conveyor system

## **i** Up to 5 stories high



The R 7000 as a three-story walk-in modular shelving system



- ▶ **Bolt-free system**  
for high bay storage
- ▶ **Frame system**  
2 bay widths, 4 shelf depths, various story heights
- ▶ **Rapid assembly**  
due to precisely prefabricated components
- ▶ **High loading capacity of up to 6,000 kg per bay**
- ▶ **Extensive range of accessories**
- ▶ **High bay storage facilities and multi-tier installations can be constructed**

The R 7000 complies with the guidelines for storage facilities and equipment defined by the trade association.



# The equipment



► **R 7000 on-line shelving**  
from page **E6**



Bay width  
995 mm

Bay width  
1,283 mm



**Also available:**

**Mesh side and back panels** (not shown)  
Page **A32 – A33**

**Solid steel side and back panels** (not shown)  
Page **A32**

**Horizontal braces** (not shown)  
Page **A30**



**Upright frames**  
Page **A28**

**End stop**  
Page **A30**

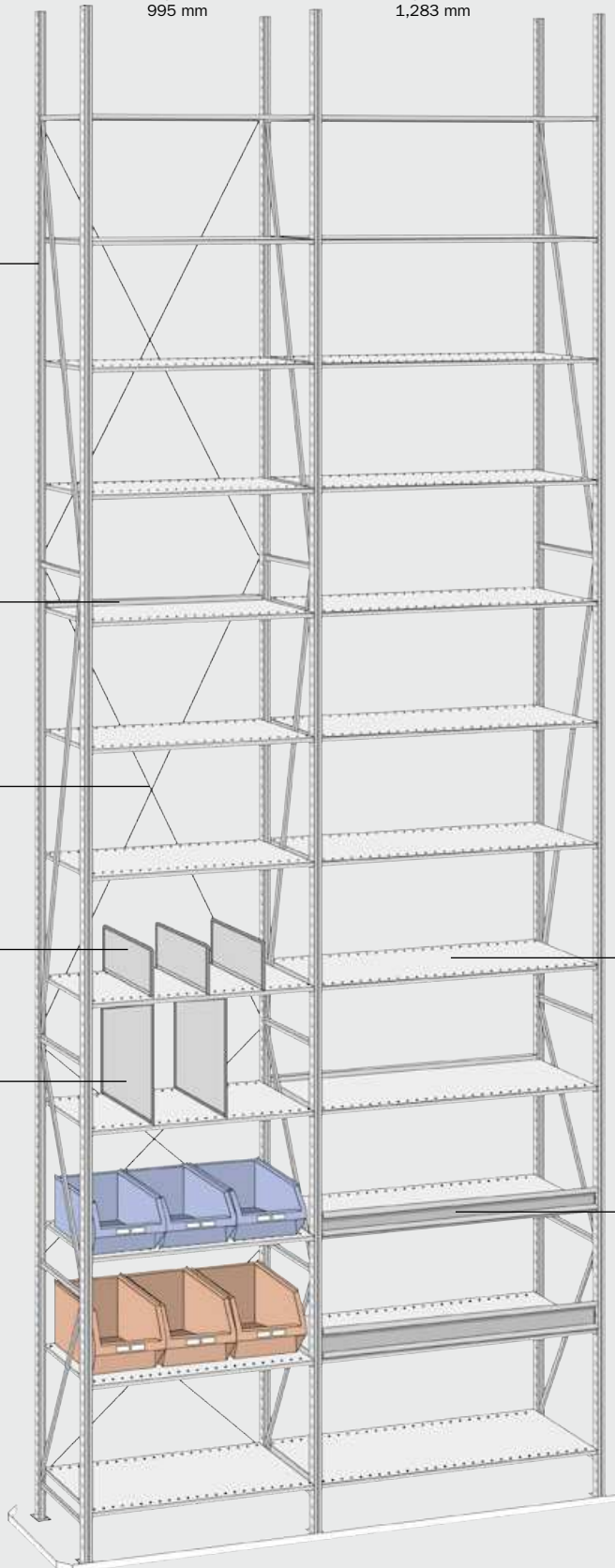
**Cross braces for stabilization**  
Page **A28**

**Free-standing dividers**  
Page **A31**

**Full-height dividers**  
Page **A31**

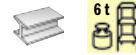
**Shelves**  
Page **A29**

**Bin fronts**  
Page **A33**



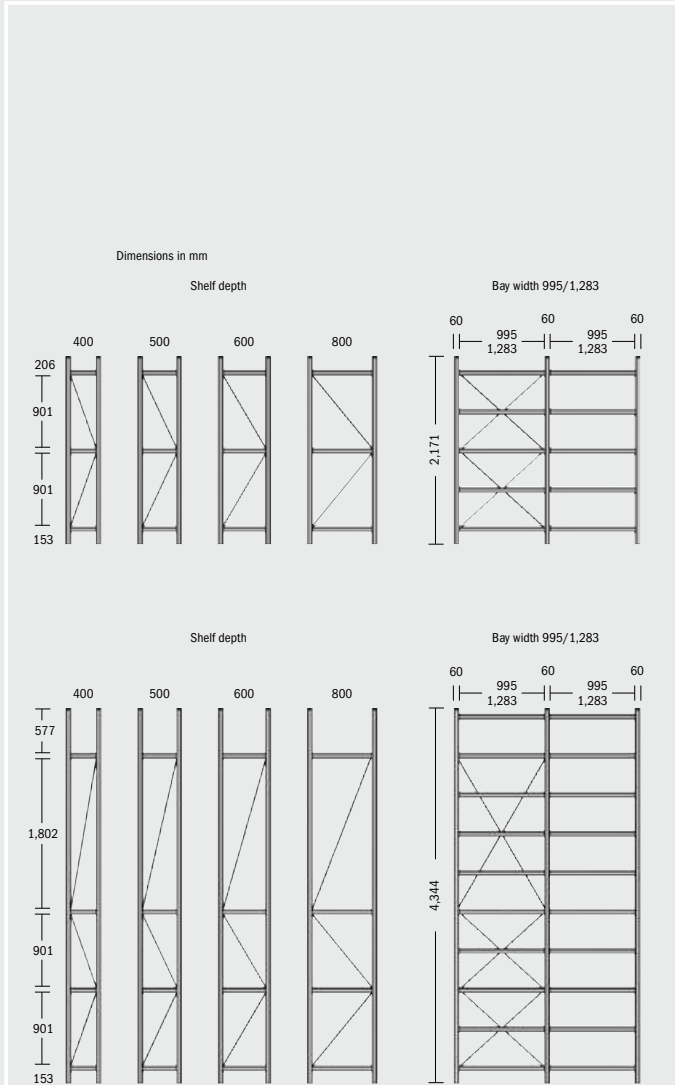
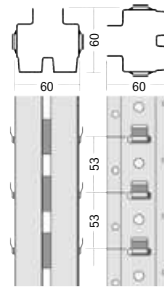


GALVANIZED



# The upright frame system

► Lug pattern: 53 : 53 mm



## Upright frame, height 2,171 mm, galvanized

Item	Height (mm)	Shelf depth (mm)	Bay load max. (kg)	Order no.
RR 7442	2,171	400	4,000	28290
RR 7542		500	4,000	28390
RR 7642		600	4,000	28490
RR 7842		800	4,000	28590

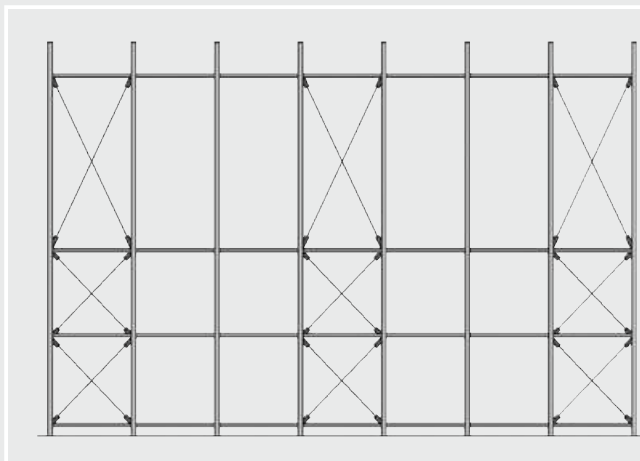
## Upright frame, height 4,344 mm, galvanized

Item	Height (mm)	Shelf depth (mm)	Bay load max. (kg)	Order no.
RR 7444	4,344	400	4,000	28300
RR 7544		500	4,000	28400
RR 7644		600	4,000	28500
RR 7844		800	4,000	28600
RR 7454	4,344	400	5,000	28310
RR 7554		500	5,000	28410
RR 7654		600	5,000	28510
RR 7854		800	5,000	28610
RR 7464	4,344	400	6,000	28320
RR 7564		500	6,000	28420
RR 7664		600	6,000	28520
RR 7864		800	6,000	28620



## Further heights

on request



## Cross braces

A cross brace must be fitted onto the back of the first and every other third bay to stabilize the shelving. Shelves must be attached near the cross-brace connecting points and secured against accidental removal with anti-lifting devices.

Item	Height (mm)	Bay width (mm)	Order no.
KV 7109	901	995	28700
KV 7118	1,802	995	28710
KV 7131	901	1,283	28740
KV 7132	1,802	1,283	28750

Order no. = on stock

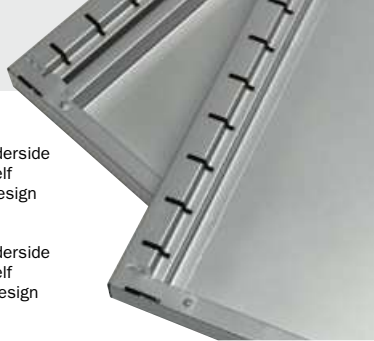
# Shelves

**GALVANIZED** **LIGHT SILVER**



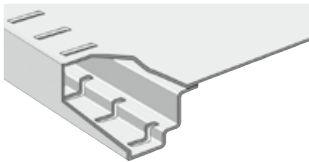
Underside Shelf V-design

Underside Shelf N-design

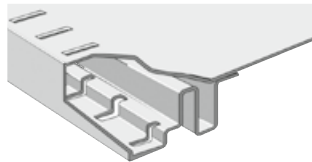


## Shelves

sheet steel, galvanized or powder-coated light silver, 30 mm high. For dividing the shelving bays into compartments of any desired height. With rows of slots at the front and rear for fitting dividers, slot spacing 41 mm. Offset arrangements of independent compartment heights are possible in double-row shelving



Single edge shelf with 6-fold longitudinal edge = N-design



Double edge shelf with 10-fold longitudinal edge = V-design



### Shelves for bay width 995 mm, height 30 mm

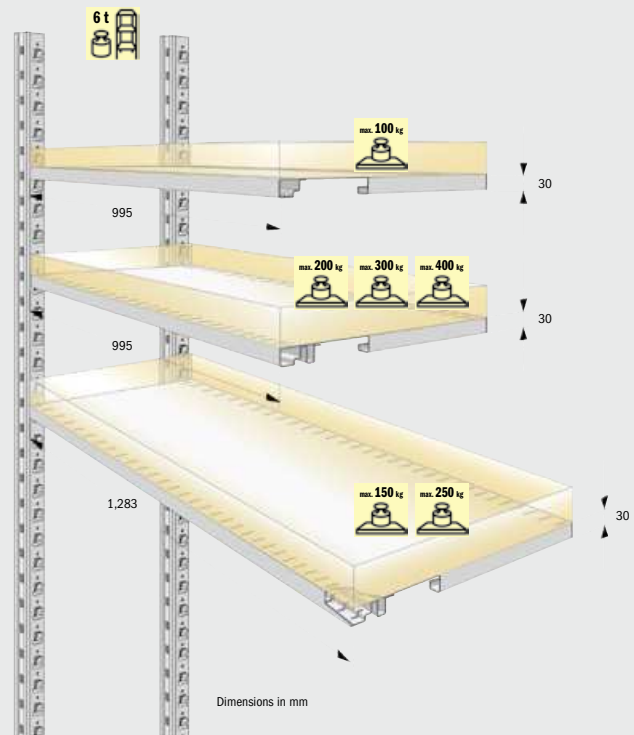
Sheet steel, powder-coated light silver or galvanized.

Item	Shelf depth (mm)	Load capacity max. (kg)	Edge design	Surface	Order no.
ZB 4413 V	400	100	N	Galvanized	27012
ZB 4413 L		100	N	Powder-coated	27010
ZB 4423 V		200	V	Galvanized	27022
ZB 4423 L		200	V	Powder-coated	27020
ZB 4513 V	500	100	N	Galvanized	27032
ZB 4513 L		100	N	Powder-coated	27030
ZB 4523 V		200	V	Galvanized	27042
ZB 4523 L		200	V	Powder-coated	27040
ZB 4533 V		300	V	Galvanized	27052
ZB 4533 L		300	V	Powder-coated	27050
ZB 4543 V		400	V	Galvanized	27062
ZB 4543 L		400	V	Powder-coated	27060
ZB 4613 V	600	100	N	Galvanized	27072
ZB 4613 L		100	N	Powder-coated	27070
ZB 4623 V		200	V	Galvanized	27082
ZB 4623 L		200	V	Powder-coated	27080
ZB 4633 V		300	V	Galvanized	27092
ZB 4633 L		300	V	Powder-coated	27090
ZB 4643 V		400	V	Galvanized	27102
ZB 4643 L		400	V	Powder-coated	27100
ZB 4823 V	800	200	V	Galvanized	27172
ZB 4823 L		200	V	Powder-coated	27170
ZB 4843 V		400	V	Galvanized	27192
ZB 4843 L		400	V	Powder-coated	27190

### Shelves for bay width 1,283 mm, height 30 mm

Sheet steel, powder-coated light silver or galvanized.

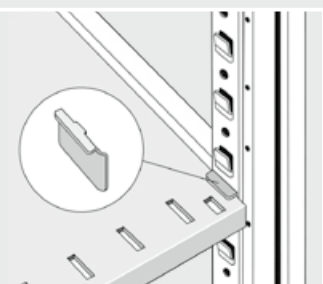
ZB 9415 V	400	150	V	Galvanized	38102
ZB 9415 L		150	V	Powder-coated	38100
ZB 9515 V	500	150	V	Galvanized	38112
ZB 9515 L		150	V	Powder-coated	38110
ZB 9525 V		250	V	Galvanized	38122
ZB 9525 L		250	V	Powder-coated	38120
ZB 9615 V	600	150	V	Galvanized	38132
ZB 9615 L		150	V	Powder-coated	38130
ZB 9625 V		250	V	Galvanized	38142
ZB 9625 L		250	V	Powder-coated	38140
ZB 9825 V	800	250	V	Galvanized	38282
ZB 9825 L		250	V	Powder-coated	38280



## Anti-lifting clips

The shelves at the cross-brace connecting points have to be fitted with anti-lifting clips in every bay of a shelving row. 1 set = 4 pieces.

Item	Order no.
AS 7000	28730



Modular shelving

Longspan racking

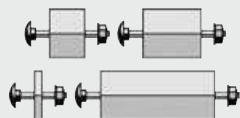
Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

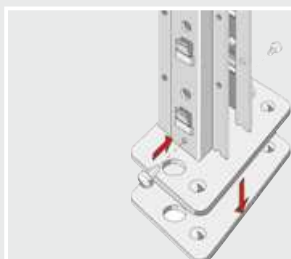
# Shelving components and accessories



### Frame connector

Screw, nut and sleeve. Connects two frames back-to-back with 6, 30, 50 or 100 mm distance.

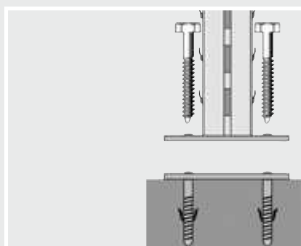
Item	Frame distance (mm)	Order no.
RV 7006	6	29290
RV 7030	30	29220
RV 7050	50	29340
RV 7100	100	29230



### Shim plates

Sheet steel, galvanized. To compensate for slightly uneven ground surfaces.

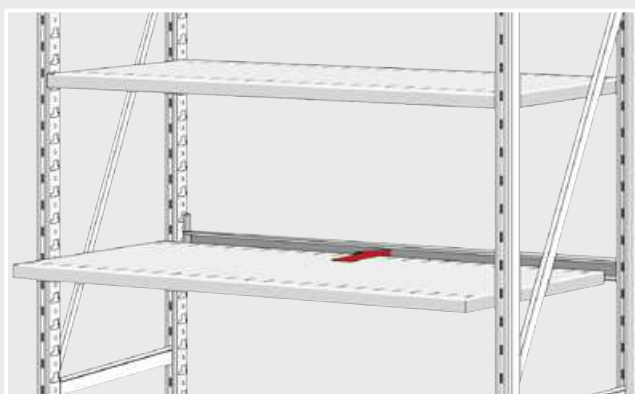
Item	Thickness (mm)	Order no.
UP 7001	1	28980
UP 7002	2	28970
UP 7003	3	28960



### Floor fixing

For anchoring the racks to the floor. Consists of screws, dowels and U washers.

Item	Order no.
BF 7000	29270

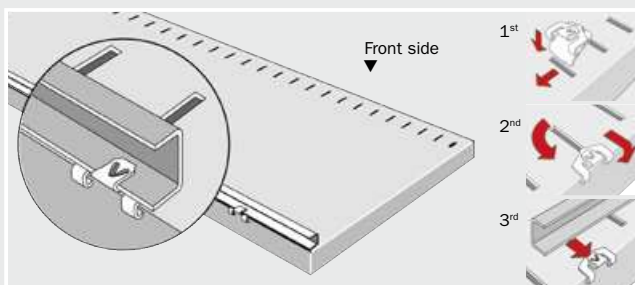


### Horizontal braces

Sheet steel, powder-coated light silver. Used for stiffening shelving rows longitudinally when cross-braces cannot be used because single-sided shelving must be accessible from both sides respectively when long parts must be pushed through in a double-sided bay. Always used with 1 shelf and 2 anti-lifting devices. The interlocking connection with the upright guarantees high rigidity.

Bay load capacity on request!

Item	Bay width (mm)	Order no.
LV 7103	995	28720
LV 7130	1,283	29080



### Back stop

Sheet steel, galvanized. Prevents load carriers or cartons from being pushed through, including 3 clips.

Item	Bay width (mm)	Order no.
DSL 4102	995	27990
DSL 9131	1,283	38190



Shelf containers for modular shelvings

from page A37

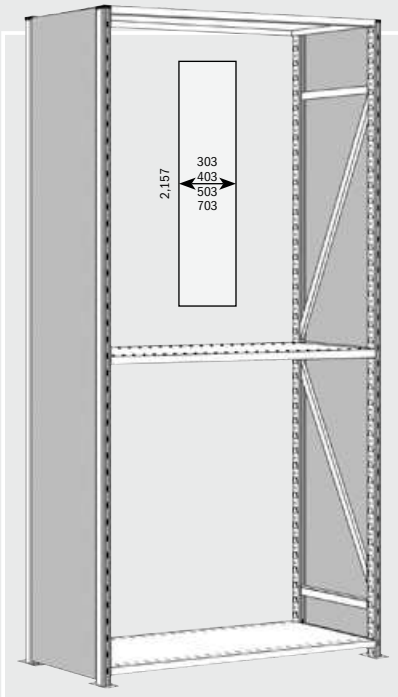








# Accessories

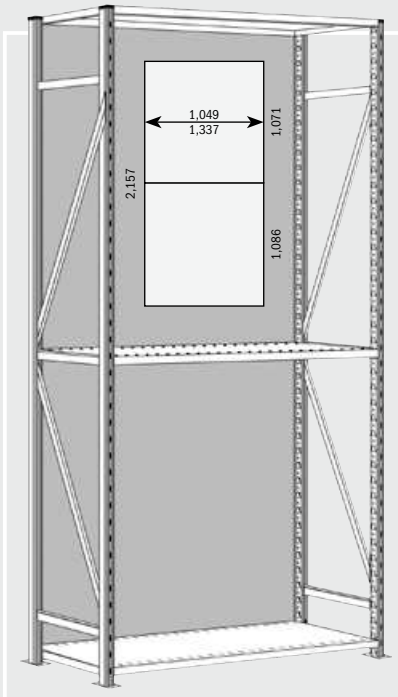


### Sheet steel side panels

Sheet steel, galvanized. The shelving bays can be fitted with sheet steel side panels. At row ends the side panels are attached to the frames by using spreading clamps. In-side shelving rows the side panels are held in place by the shelves. Height 2,157 mm.

**Two sheet steel side panels must be ordered for the 4,344 mm height (e.g. 2x SW 7402).**

Item	Shelf depth (mm)	Order no.
SW 7402	400	28770
SW 7502	500	28780
SW 7602	600	28790
SW 7802	800	28800

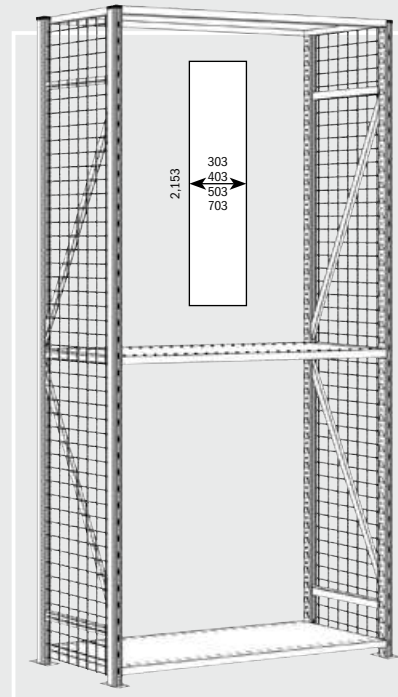


### Sheet steel back panels

Sheet steel, galvanized. The side edge is placed on the shelving upright and fastened in place. Back panel height 1,086 mm.

**Two sheet steel back panels must be ordered for the height 2,171 mm (e.g. 2x RW 7101); 4 back panels must be ordered for the height 4,344 mm (e.g. 4 x RW 7101).**

Item	Bay width (mm)	Order no.
RW 7101	995	28760
RW 7131	1,283	28910

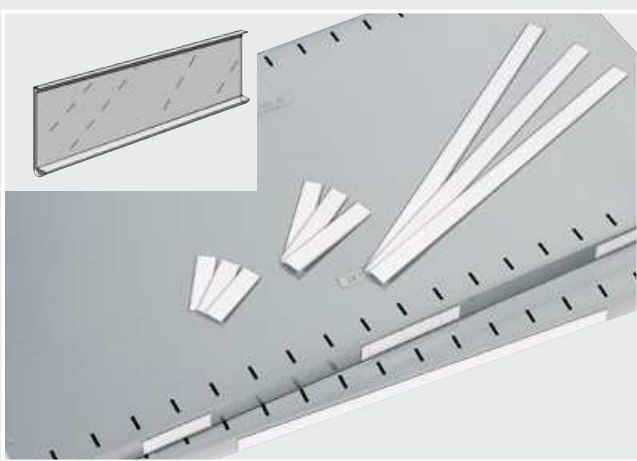


### Mesh side panels

Steel wire, painted light silver. Mesh size 50 x 50 mm, height 2,153 mm. The mesh panels are fastened using 6 spring clips.

**Two mesh steel side panels must be ordered for the 4,344 mm height (e.g. 2x SWG 7402).**

Item	Shelf depth (mm)	Order no.
SWG 7402	400	28820
SWG 7502	500	28830
SWG 7602	600	28840
SWG 7802	800	28850



### Label holder

Self-adhesive, for labeling storage locations.

Item	Length (mm)	PU	Order no.
EH 4085	85	50	27800
EH 4135	135	50	27810
EH 4490	490	50	27820
EH 4980	980	25	26360
EH 9125	1,250	25	26370

### Labels

Item	Length (mm)	PU	Order no.
EHE 4085	85	100	28050
EHE 4135	135	100	28060
EHE 4490	490	100	28070

Order no. = on stock

# Accessories

Modular shelving

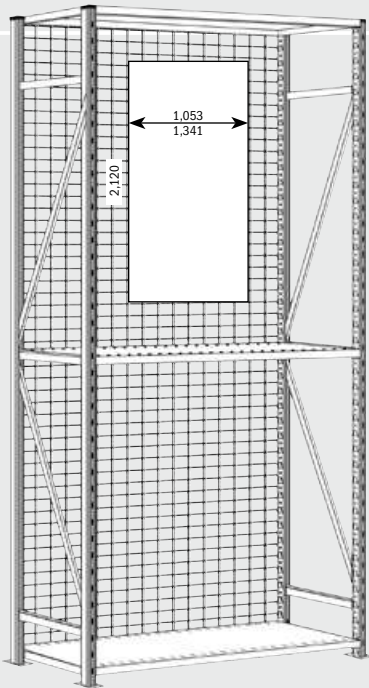
Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

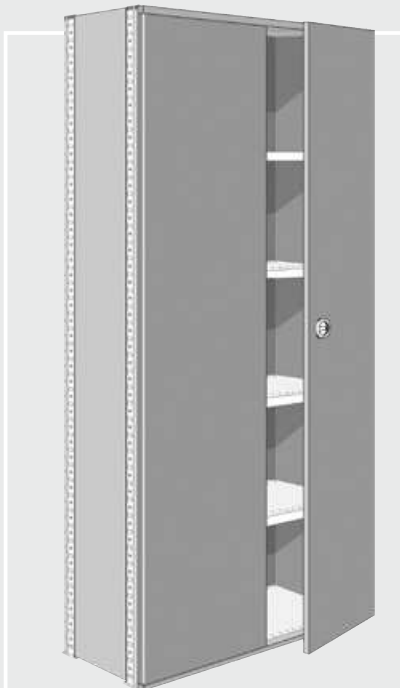


### Mesh back panels

Steel wire, painted light silver. Mesh size 50 x 50 mm, height 2,120 mm. The panels are fastened using 8 spring clips.

**Two mesh back panels must be ordered for the 4,344 mm height (e.g. 2x RWG 7102).**

Item	Bay width (mm)	Order no.
RWG 7102	995	28810
RWG 7130	1,283	29190



### Two-wing door

For subsequent installation in open shelf fields with bay widths 995 and 1,283 mm. Height 2,111 mm.

**The back and side panels must be ordered separately when retrofitting.**

Item	Bay width (mm)	Order no.
FTR 4001	995	27900
FTR 9001	1,283	17690



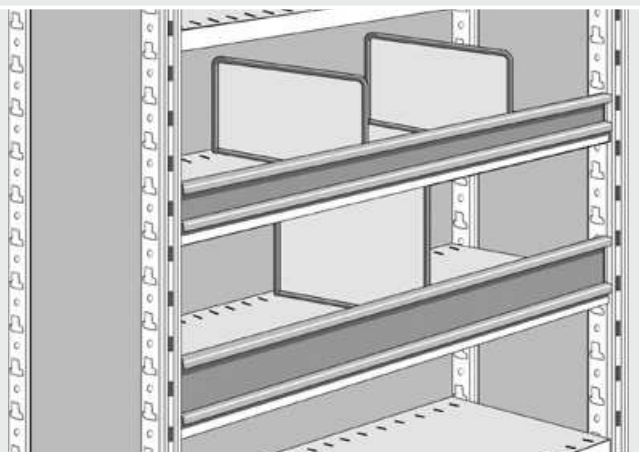
### Drawers

on request

### Bin fronts

Sheet steel, galvanized, for storing loose small parts. Particularly useful in conjunction with shelf dividers and side and back panels.

Item	Bay width (mm)	Height (mm)	Order no.
VL 7104	995	40	28870
VL 7108		85	28880
VL 7134	1,283	40	29320
VL 7138		85	29330



## Accessories for modular shelving systems ...

SSI SCHAEFER's accessories are designed to integrate perfectly into all of the different shelving systems. These accessories are the ideal addition to any shelving system.

Thanks to their coordinated dimensions, these elements can be specifically combined to fit the individual shelving bays independently of their purpose.

Whether high bay racking or multi-tier installation and platform systems, SSI SCHAEFER's accessories create the perfect storage system.

Because all of the parts are a perfect match.



# ... Storage made easy

Modular shelving

Longspan racking

Pallet racking

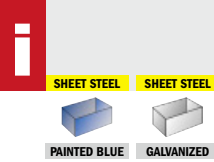
Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

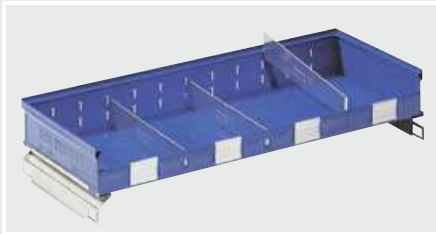
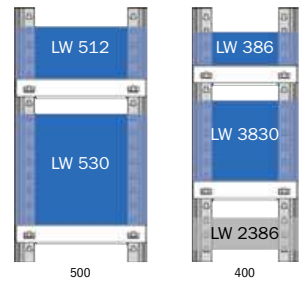
- i** Other accessories:
- Storage location labels** from page **C14**
- Stairs, railings and lighting installations** on request





# Storage trays for bay width 994/995 mm

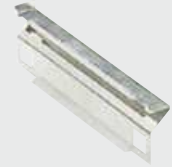
- ▶ **Easy assembly**
- ▶ **Organizable**  
can be divided into **max. 12 compartments**



### Storage tray LW 386 for shelf depth 400 mm and 800 mm

Steel, painted blue. Stackable with LW 3830.

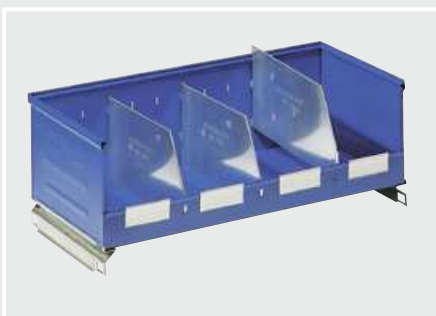
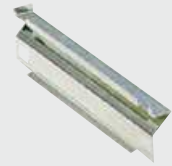
Item		W x D x H (mm)/PU	Order no.
LW 386	LW 386 storage tray	980 x 386 x 120	<b>11260</b>
LWT 386/2386	Divider, galvanized	1 items	<b>18220</b>
AP 4400/4800	Support profile	1 pair	<b>28010</b>
EHK 75	Label holder	W 75 mm, 50 pcs.	<b>15180</b>
EHKE 75	Labels	W 75 mm, 100 pcs.	<b>15190</b>



### Storage tray LW 512 for shelf depth 500 mm and 1,000 mm

Steel, painted blue. Stackable.

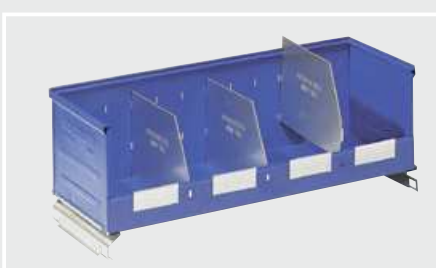
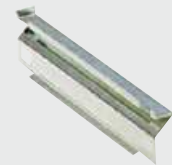
LW 512	LW 512 storage tray	980 x 486 x 120	<b>14670</b>
LWT 512	Divider, galvanized	1 items	<b>14680</b>
AP 4500	Support profile	1 pair	<b>14690</b>
EHK 75	Label holder	W 75 mm, 50 pcs.	<b>15180</b>
EHKE 75	Labels	W 75 mm, 100 pcs.	<b>15190</b>



### Storage tray LW 530 for shelf depth 500 mm and 1,000 mm

Steel, painted blue. Stackable.

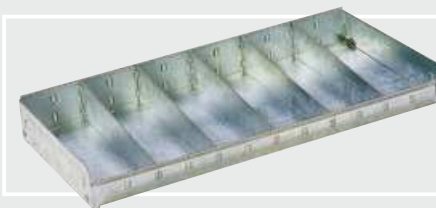
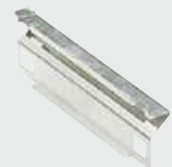
LW 530	LW 530 storage tray	980 x 486 x 300	<b>14650</b>
LWT 530	Divider, galvanized	1 items	<b>14660</b>
AP 4500	Support profile	1 pair	<b>14690</b>
EHK 75	Label holder	W 75 mm, 50 pcs.	<b>15180</b>
EHK 85	Label holder	W 85 mm, 50 pcs.	<b>14610</b>
EHK 135	Label holder	W 135 mm, 50 pcs.	<b>14620</b>
EHKE 75	Labels	W 75 mm, 100 pcs.	<b>15190</b>
EHKE 85	Labels	W 85 mm, 100 pcs.	<b>14630</b>
EHKE 135	Labels	W 135 mm, 100 pcs.	<b>14640</b>



### Storage tray LW 3830 for shelf depth 400 mm and 800 mm

Steel, painted blue. Stackable with LW 386.

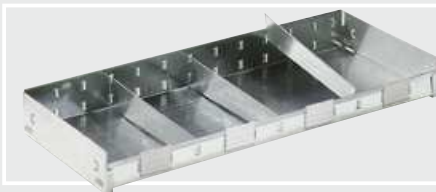
LW 3830	LW 3830 storage tray	980 x 386 x 300	<b>11810</b>
LWT 3830	Divider, galvanized	1 items	<b>11820</b>
AP 4400/4800	Support profile	1 pair	<b>28010</b>
EHK 75	Label holder	W 75 mm, 50 pcs.	<b>15180</b>
EHK 85	Label holder	W 85 mm, 50 pcs.	<b>14610</b>
EHKE 75	Labels	W 75 mm, 100 pcs.	<b>15190</b>
EHKE 85	Labels	W 85 mm, 100 pcs.	<b>14630</b>



### Storage tray LW 512-Z for shelf depth 500 mm

Steel, galvanized. For direct attachment to the shelving uprights.

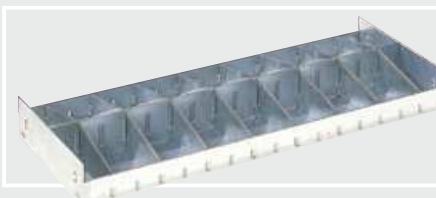
LW 512-Z	LW 512-Z storage tray	981 x 486 x 120	<b>16190</b>
LWT 512-Z	Divider, galvanized	1 items	<b>16250</b>
EHK 75	Label holder	W 75 mm, 50 pcs.	<b>15180</b>
EHKE 75	Labels	W 75 mm, 100 pcs.	<b>15190</b>



### Storage tray LW 2386 for shelf depth 400 mm

Steel, galvanized. For direct attachment to the shelving uprights.

LW 2386	LW 2386 storage tray	980 x 386 x 100	<b>18210</b>
LWT 386/2386	Divider, galvanized	1 items	<b>18220</b>
EHK 75	Label holder	W 75 mm, 50 pcs.	<b>15180</b>
EHKE 75	Labels	W 75 mm, 100 pcs.	<b>15190</b>



### Storage tray LW 2386-M for shelf depth 400 mm

Steel, galvanized. For direct attachment to the shelving uprights.

LW 2386-M	LW 2386-M storage tray	980 x 386 x 100	<b>18280</b>
LWT 2386-M	Divider, galvanized	1 items	<b>18290</b>
EHK 75	Label holder	W 75 mm, 50 pcs.	<b>15180</b>
EHKE 75	Labels	W 75 mm, 100 pcs.	<b>15190</b>

Order no. = on stock

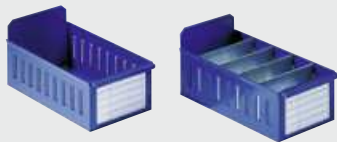
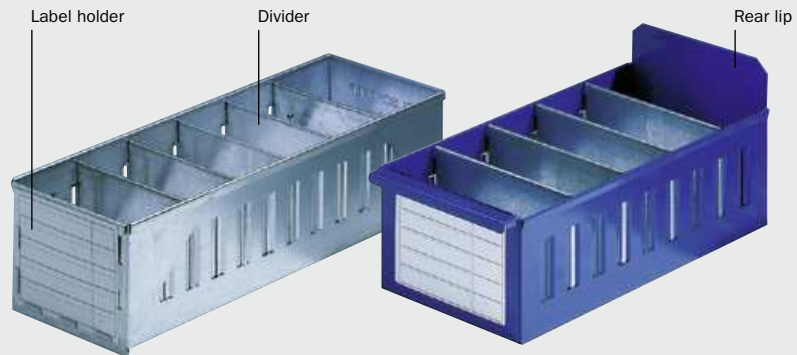


- ▶ **Designed for SSI SCHAEFER modular shelvings**
- ▶ **Extensive range of order accessories**  
labeling and partition options (advantageous for both large and small warehouses)

## Sheet steel shelf containers

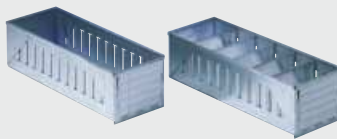
## Plastic shelf containers

on request

**RK 301** Steel, painted blue

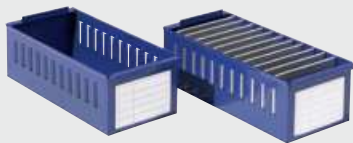
can be divided into max. 10 compartments, 6 containers per shelf.

Item	Description (W x D x H mm)	PU	Order No.
<b>RK 301</b>	Shelf container (162 x 317 x 100/137)	1 pc.	<b>11550</b>
<b>RKE 386</b>	Labels for short side	100 pcs.	<b>11190</b>
<b>RKF 386</b>	Protective film	100 pcs.	<b>11920</b>
<b>RKT 335/301</b>	Divider, galvanized	1 pc.	<b>11150</b>

**RK 2386** Steel, galvanized

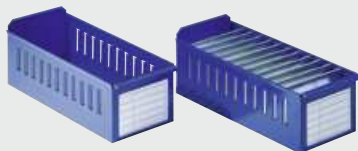
can be divided into max. 12 compartments, 7 containers per shelf.

Item	Description (W x D x H mm)	PU	Order No.
<b>RK 2386</b>	Shelf container (136 x 393 x 100/107)	1 pc.	<b>18240</b>
<b>RKE 2386</b>	Labels for short side	100 pcs.	<b>11560</b>
<b>RKF 2386</b>	Protective film	100 pcs.	<b>11570</b>
<b>RKT 2386</b>	Divider, galvanized	1 pc.	<b>18250</b>

**RK 4386** Steel, painted blue

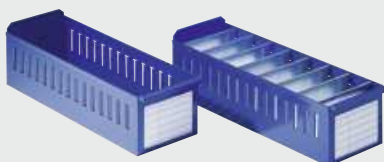
can be divided into max. 12 compartments, 6 containers per shelf.

Item	Description (W x D x H mm)	PU	Order No.
<b>RK 4386</b>	Shelf container (162 x 398 x 120/137)	1 pc.	<b>18000</b>
<b>RKE 386</b>	Labels for short side	100 pcs.	<b>11190</b>
<b>RKF 386</b>	Protective film	100 pcs.	<b>11920</b>
<b>RKT 386/512/4386</b>	Divider, galvanized	1 pc.	<b>11180</b>

**RK 386** Steel, painted blue

can be divided into max. 12 compartments, 6 containers per shelf.

Item	Description (W x D x H mm)	PU	Order No.
<b>RK 386</b>	Shelf container (162 x 404 x 120/137)	1 pc.	<b>11170</b>
<b>RKE 386</b>	Labels for short side	100 pcs.	<b>11190</b>
<b>RKF 386</b>	Protective film	100 pcs.	<b>11920</b>
<b>RKT 386/512/4386</b>	Divider, galvanized	1 pc.	<b>11180</b>

**RK 512** Steel, painted blue

can be divided into max. 16 compartments, 6 containers per shelf.

Item	Description (W x D x H mm)	PU	Order No.
<b>RK 512</b>	Shelf container (162 x 504 x 120/137)	1 pc.	<b>16210</b>
<b>RKE 386</b>	Labels for short side	100 pcs.	<b>11190</b>
<b>RKF 386</b>	Protective film	100 pcs.	<b>11920</b>
<b>RKT 386/512/4386</b>	Divider, galvanized	1 pc.	<b>11180</b>





# Semi-open front storage containers – 14/7 range made of sheet steel

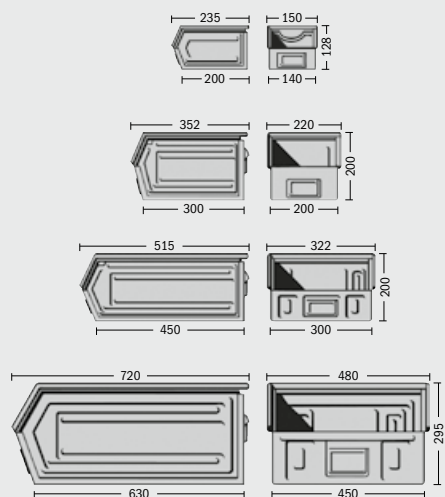
- ▶ **Sheet steel** for high mechanical loads, painted blue-gray or immersion galvanized
- ▶ **High stacking loads**

\*Surface quality: galvanized acc. to DIN EN ISO 1461




## Sheet steel semi-open front storage containers – 14/7 range


Item	Nominal dimensions L x W x H (mm)	Max. load (kg)		Volume (liters)	Order No.	
		Single	Stacked			
14/7-4 I 14/7-4 v	235/200 x 140 x 128	10	-	3.5	6890	-
14/7-3 I 14/7-3 v	352/300 x 200 x 200	50	350	11.5	6810	-
14/7-2 I 14/7-2 v	515/450 x 300 x 200	100	800	26.0	6720	-
14/7-1 I 14/7-1 v	720/630 x 450 x 295	150	1.200	83.0	6650	-



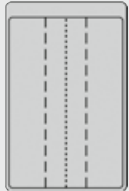
## Accessories for 14/7 range made of sheet steel



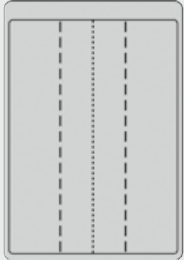
For 14/7-3



For 14/7-2



For 14/7-1



**Dividers**

Galvanized sheet steel for lengthwise partitioning of the containers.

Item	for containers	PU	Order No.
ZW-3-B	14/7-3	1 divider and 1 pair of slotted strips	7050
ZW-2-B	14/7-2	1 divider and 1 pair of slotted strips	7040
ZW-1-B	14/7-1	1 divider and 1 pair of slotted strips	7030

Order No. = on stock

Order No. = not on stock





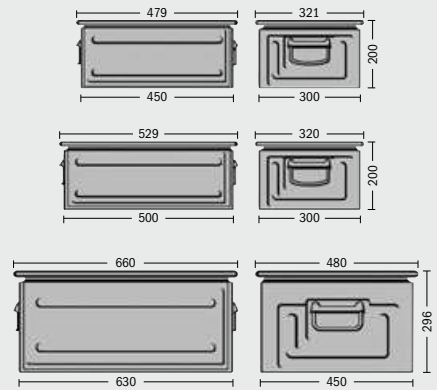
- ▶ **Stackable**  
among each other and with series LF and 14/6 made from plastic
- ▶ **Very sturdy**  
due to the rolled and folded stacking rim

# Stackable transportation containers – 14/6 range made of sheet steel



## Sheet steel stackable transport containers – 14/6 range

Item	Nominal dimensions L x W x H (mm)	Max. load (kg)		Volume (liters)	Order No.	
		Single	Stacked			
14/6-2 I	450 x 300 x 200	100	800	25.0	<b>8070</b>	–
14/6-2 v					–	<b>8080</b>
14/6-A I	500 x 300 x 200	100	800	27.5	<b>8160</b>	–
14/6-A v					–	<b>8170</b>
14/6-1 I	630 x 450 x 296	150	1,200	79.0	<b>8050</b>	–
14/6-1 v					–	<b>8060</b>

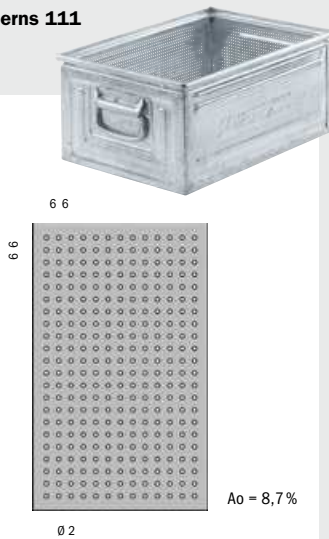


## Special perforated versions 14/6 series

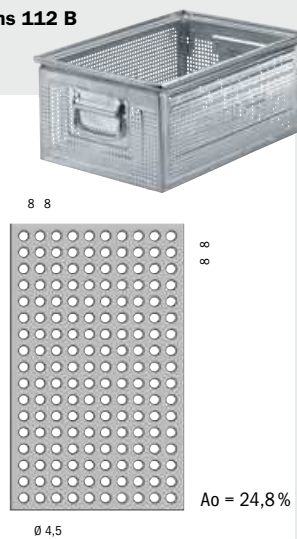
With ergonomically shaped flip handles on short sides for comfortable handling despite heavy contents. Highly suitable for safe working during transportation, ongoing warehouse operation, or even outside.

Sheet steel, galvanized. Optimal for the washing process and suitable for all shelving systems. Thanks to a robust stacking rim and base, the containers ensure a high level of stability when stacked.

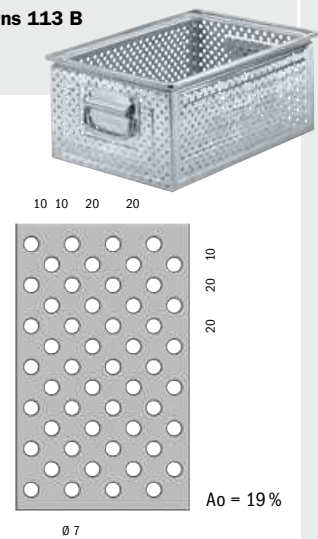
### Hole patterns 111



### Hole patterns 112 B



### Hole patterns 113 B



Item	Order no.	Item	Order no.	Item	Order no.
14/6-2 v with hole patterns 111	<b>8800004</b>	14/6-2 v with hole patterns 112 B	<b>8802014</b>	14/6-2 v with hole patterns 113 B	<b>8800014</b>

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

## Safety fencing systems

SSI SCHAEFER shelving system and the safety fencing system are designed to match. Universally usable for every application. With a standard element width and fitting field.

All of the wing door variants feature anti-theft protection, are self-closing and prepared for lock cylinders.

A lift-hinged door can be easily converted into a right-hinged door.



### Safety fencing systems

on request



Similar to illustration



Similar to illustration

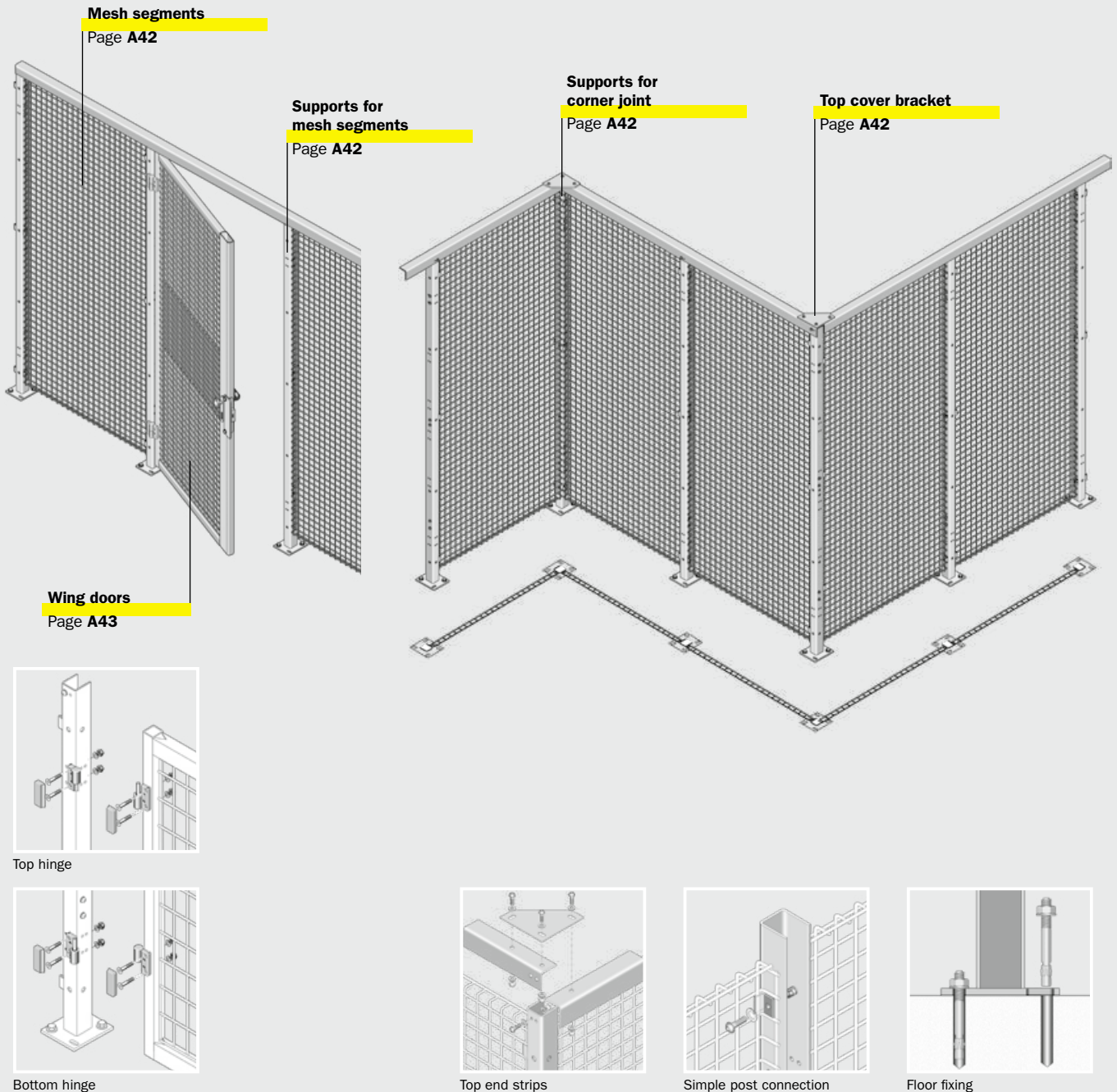


- ▶ **Structural steel mesh**  
Wire thickness of 4 mm, folded at the sides
- ▶ **Mesh size**  
40 x 40 mm, suitable for machine protection as per DIN 31 001, Part 1
- ▶ **Surface**  
High-quality stove-enamel finish
- ▶ **Supports**  
Made of sturdy U-shaped cold profile 50/55/3 mm, pre-punched. Pre-drilled foot plates for floor fixing, including expansion anchors
- ▶ **Further colours**  
galvanized/RAL 1018/RAL 7024 available on request



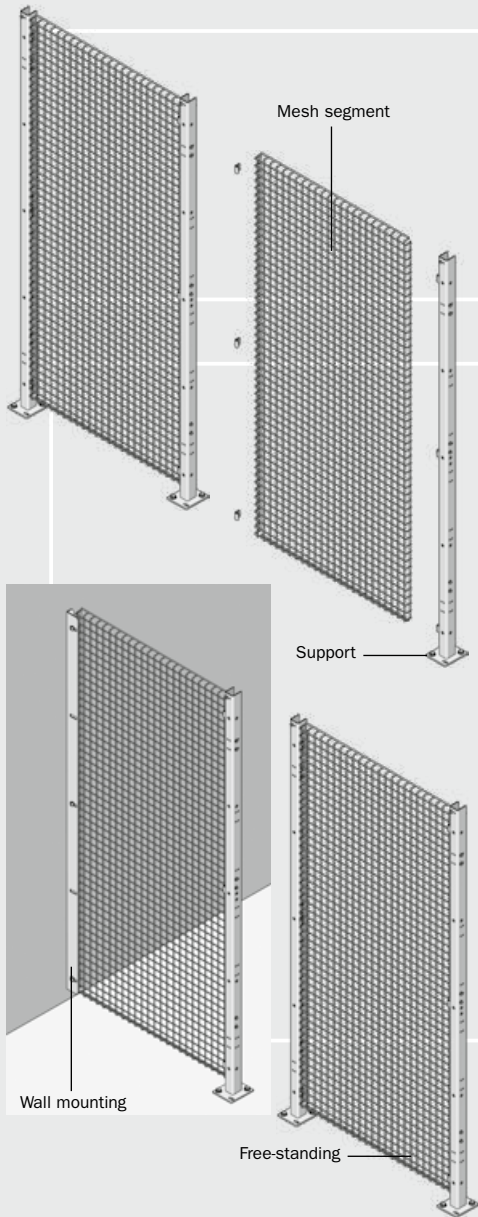
Similar to illustration

## Safety fencing system design





# Mesh segments



## Mesh element

Item	W x H (mm)	Order no.
ZAS-GEA 020	150 x 2,086	6689556 6689561 6689566
ZAS-GEA 040	350 x 2,086	6689555 6689560 6689565
ZAS-GEA 060	550 x 2,086	6689554 6689559 6689564
ZAS-GEA 080	750 x 2,086	6689553 6689558 6689563
ZAS-GEA 100	950 x 2,086	6689552 6689557 6689562

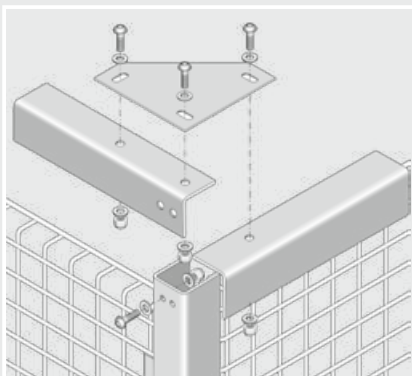
## Supports

Item	Height (mm)	Order no.
<b>Middle support</b>		
ZAS-SN-2193	2,193	6689450 6689451 6689452
<b>Corner support</b>		
ZAS-ESN-2193	2,193	6689454 6689455 6689456

## Safety fencing systems

on request

# Accessories



## Top cover bracket


Top cover elements made of angled profile 50/50/3 mm are screwed onto the top of the divider supports for stabilization.

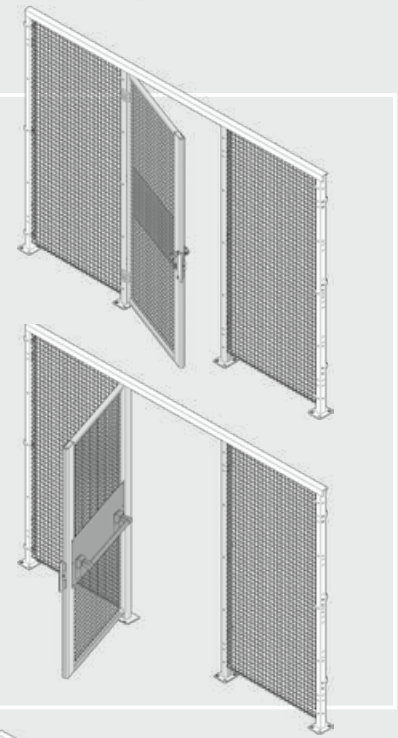
Item	L x W x H (mm)	Order no.
ZAS-AW215	2,150 x 50 x 50	6689416 6689417 6689418
ZAS-AW600	6,000 x 50 x 50	6689420 6689421 6689422

Order no. = on stock

**Single-wing doors**


Suitable for DIN "left" and "right". 2 sturdy cover panels at the height of the lock. Includes stop and lock.

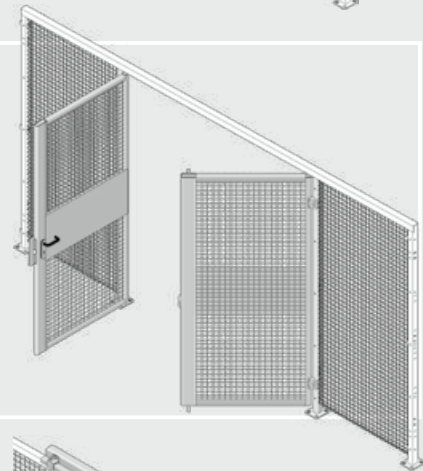
Item	Clearance W x H (mm)	Order no.
		
<b>Prepared for mortise lock</b>		
ZAS-ETG85-ES	850 x 2,070	6689573 6689574 6689575
ZAS-ETG100-ES	1,000 x 2,070	6689585 6689586 6689587
<b>with mortise lock with latch lock</b>		
ZAS-ETG85-ESR	850 x 2,070	6689577 6689578 6689579
ZAS-ETG100-ESR	1,000 x 2,070	6689589 6689590 6689591
<b>with panic lock</b>		
ZAS-ETG85-PS	850 x 2,070	6689581 6689582 6689583
ZAS-ETG100-PS	1,000 x 2,070	6689593 6689594 6689595
<b>with panic bar right</b>		
ZAS-ETGPR85-PS	850 x 2,070	6689458 6689459 6689460
ZAS-ETGPR100-PS	1,000 x 2,070	6689466 6689467 6689468
<b>with panic bar on the left</b>		
ZAS-ETGPL85-PS	850 x 2,070	6689462 6689463 6689464
ZAS-ETGPL100-PS	1,000 x 2,070	6689470 6689471 6689472



**Two-wing doors**


2 sturdy cover panels at the height of the lock. Includes hinges and lock, prepared for on-site installation of a lock cylinder.

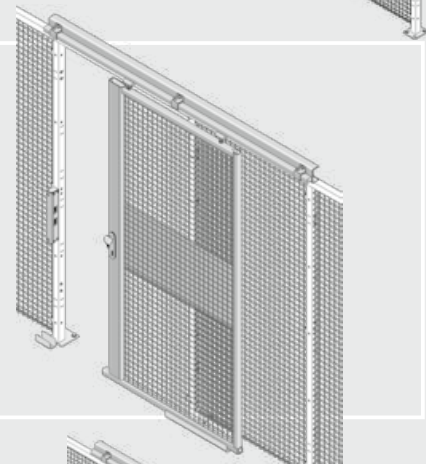
Item	W x H (mm)	Order no.
		
ZAS-ZTG100	2,000 x 2,070	6689597 6689598 6689599



**Sliding door**


2 sturdy cover panels at the height of the lock. Includes hinges and lock, prepared for on-site installation of a lock cylinder.

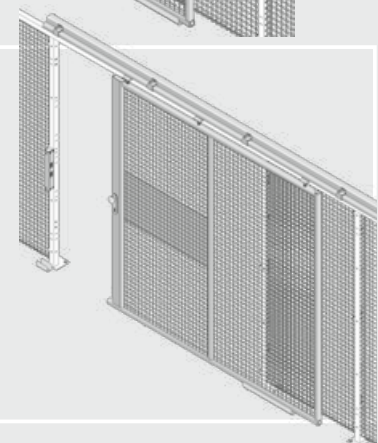
Item	W x H (mm)	Clear entrance width (mm)	Order no.
			
ZAS-STG85	1,110 x 2,110	750	6689510 6689511 6689512



**Sliding door**

2 sturdy cover panels at the height of the lock. Includes hinges and lock, prepared for on-site installation of a lock cylinder.

Item	W x H (mm)	Clear entrance width (mm)	Order no.
			
ZAS-STOG198	2,238 x 2,110	1,890	6689519 6689520 6689521



Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support



GENTIAN BLUE GALVANIZED SILVER GRAY



# Shelf ladders and accessories

## ► Installation positions of the guide rails

### R 3000 shelvings: Guide rail height

for shelving height 2,278 mm = 1,756, 1,968 and 2,286 mm;  
 for shelving height 2,490 mm = 1,809, 1,968, 2,498 and 2,180 mm;  
 for shelving height 2,967 mm = 1,809, 2,445, 2,657 and 2,975 mm

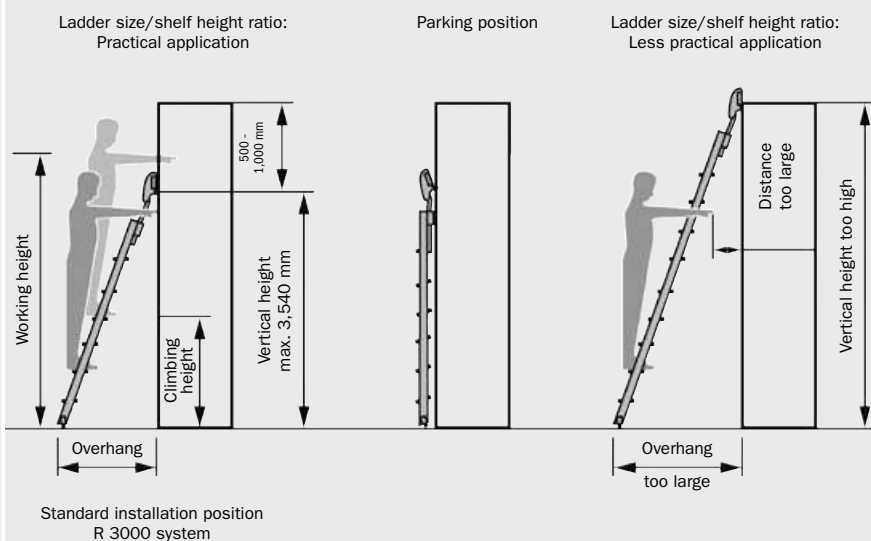
## FRS mobile shelf ladders

Run parallel to the rack. Upper roll fitting retractable, ladder secured against unintended removal and placed against the rack when not in use.

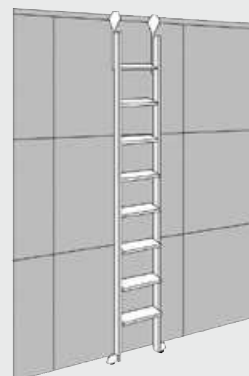
Side rails made of rectangular steel tube with slightly rounded edges. Painted: Gentian Blue, RAL 5010, powder coated.

Upper and lower roll fittings automatically braked during climbing. Low-noise operation due to 2 plastic castors, completely clad, castor Ø 100 mm.

Beech wood steps, clear varnish and with anti-slip grooves. Galvanized fittings. Ladder width 400 mm, step depth 80 mm. Step spacing towards the side rail 250 mm, 235 mm perpendicular.



FRS shelf ladder with guide rail (angled)



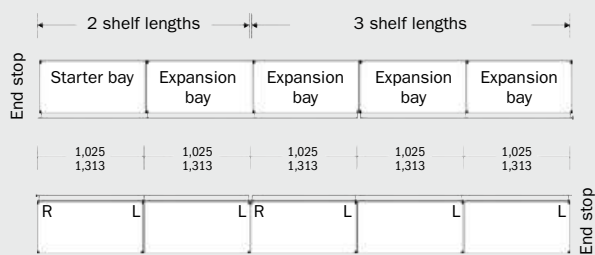
FRS shelf ladder in straight/parking position

Item	Number of steps	f. vertical guide rails height from - to (mm)	Max. working height (mm)	Max. climbing height (mm)	Overhang approx. (mm)	Order no.
FRS 0	6	1,810 - 2,080	2,210	710	720	2035250
FRS 1	7	2,060 - 2,320	2,440	940	810	2035251
FRS 2	8	2,320 - 2,550	2,680	1,180	890	2035252
FRS 3	9	2,550 - 2,790	2,920	1,420	970	2035253
FRS 4	10	2,790 - 3,060	3,150	1,650	1,050	2035254
FRS 5	11	3,060 - 3,330	3,390	1,890	1,160	2035255
FRS 6	12	3,330 - 3,540	3,620	2,120	1,240	2035256
FRS 7	13	3,540 - 3,770	3,860	2,360	1,330	2035257

## Guide rails

Made of angled steel with brackets for mounting on the shelving uprights. Can be used for any rack length. The guide rails are supplied for 2 or 3 shelf lengths with brackets.

A bracket is fitted at the top of each shelving upright. A left and right bracket is required where two guide rails abut.



Distribution of left and right brackets in the rows (top view)

Item	Bay width (mm)	Shelf length Number	Order no.
<b>For R 3000 shelving (installed on the rack uprights)</b>			
LS 3102	994	2	145100
LS 3103		3	145110
LS 3132	1,282	2	145120
LS 3133		3	145130
LS-E	End stop, for installation at the beginning and end		10870

Order no. = on stock

# Shelf ladders and accessories

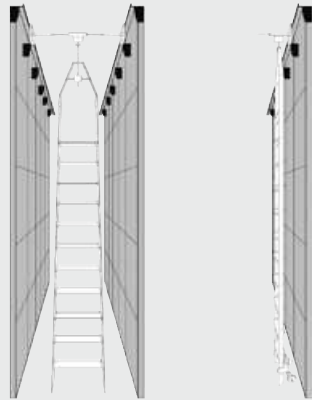
## FRD mobile shelf ladders

Runs in 2 rails between the shelving rows that can be pushed sideways. Upper and lower roll fittings automatically braked during climbing. Low-noise operation due to plastic castors, castor Ø 100 mm. After releasing the spring latch on the retaining bracket, the ladder can be rotated 360° via the castor head and the climbed on both sides. The ladder can be hung from the top carriage and moved.

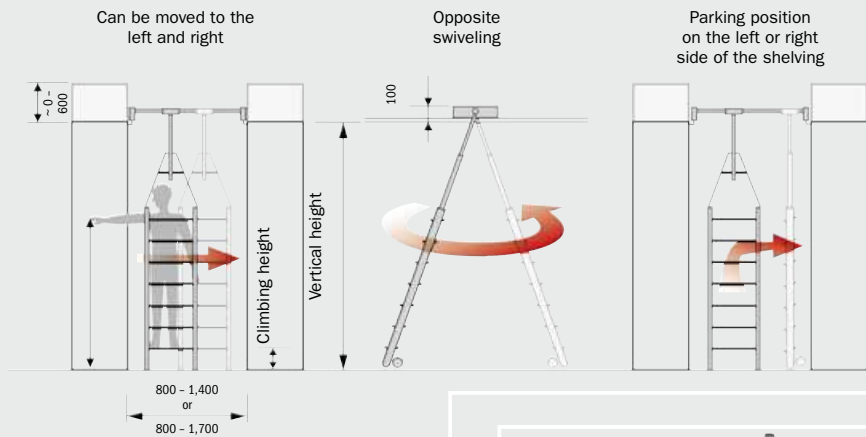
Side rails made of rectangular steel tube with slightly rounded edges. Painted: Gentian Blue, RAL 5010, powder coated.

For aisle widths of up to 1,400 mm with the guide tube for transverse movement; for aisle widths up to 1,700 mm with transverse swivel castors for transverse movement.

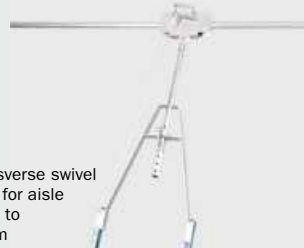
Beech wood steps, clear varnish and with anti-slip grooves. Galvanized fittings. Ladder width 400 mm, step depth 80 mm. Step spacing towards the side rail 250 mm, 235 mm perpendicular.



FRD shelf ladder in the guide rails and the swiveled onto the shelving



With guide tube – for aisle widths up to 1,400 mm



With transverse swivel castors – for aisle widths up to 1,700 mm

Item	Number of steps	f. vertical guide rails height from – to (mm)	Max. working height (mm)	Max. climbing height (mm)	Order no.
<b>For aisle widths of up to 1,400 mm – with guide tube</b>					
FRD 1-14	5	1,910 – 2,060	1,970	470	2035258
FRD 2-14	6	2,140 – 2,290	2,210	710	2035259
FRD 3-14	7	2,380 – 2,530	2,440	940	2035260
FRD 4-14	8	2,610 – 2,760	2,680	1,180	2035261
FRD 5-14	9	2,850 – 3,000	2,920	1,420	2035262
FRD 6-14	10	3,080 – 3,230	3,150	1,650	2035263
FRD 7-14	11	3,320 – 3,470	3,390	1,890	2035264
FRD 8-14	12	3,550 – 3,700	3,620	2,120	2035265
FRD 9-14	13	3,790 – 3,940	3,860	2,360	2035266
<b>For aisle widths of up to 1,700 mm – with transverse swivel castors</b>					
FRD 1-17	5	1,970 – 2,120	1,970	470	2035267
FRD 2-17	6	2,210 – 2,360	2,210	710	2035268
FRD 3-17	7	2,440 – 2,590	2,440	940	2035269
FRD 4-17	8	2,680 – 2,830	2,680	1,180	2035270
FRD 5-17	9	2,910 – 3,060	2,920	1,420	2035271
FRD 6-17	10	3,150 – 3,300	3,150	1,650	2035272
FRD 7-17	11	3,380 – 3,530	3,390	1,890	2035273
FRD 8-17	12	3,620 – 3,770	3,620	2,120	2035274
FRD 9-17	13	3,850 – 4,000	3,860	2,360	2035275



### Hand grip

Made of steel tube, galvanized. Can be screwed onto the top of the side rails. Usable length of approx. 500 mm. Self assembly.

Item	for ladders	Order no.
FRS-HG	FRS	16310



### Handrails

Made of steel tube, galvanized. Clamped onto the left and right side of the side rails. Angled toward the outside, creating more freedom of movement on the ladder. Self assembly.

Item	for ladders	Order no.
FR-HL 1	FRS 0+1 / FRD 1-3	16311
FR-HL 2	FRS 2-4 / FRD 4-6	16312
FR-HL 3	FRS 5-7 / FRD 7-9	16313

**i** Further information about shelf ladders and accessories is available

on request

Modular shelving

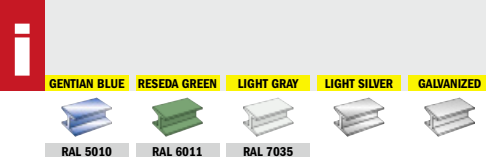
Longspan racking

Pallet racking

Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support



# Rolling platform and step ladders, accessories

## FPR rolling platform ladders

Side rails made of rectangular steel tube with rounded edges, Gentian Blue RAL 5010, powder-coated. Steps made of beech, clear varnish.

Step depth 150 mm.  
Ascent inclination 60°.  
Platform 600 x 800 mm.  
Can be climbed on both sides.  
With 4 swivel castors, Ø 125 mm.  
Automatically braked when under load. For use in interior areas.



Item	Height* (mm)	Number of steps*	Base area W x L (mm)	Order no.
FPR 0	730	3	750 x 1,500	2035281
FPR 1	970	4	800 x 1,770	2035280
FPR 1.1	1,210	5	850 x 2,050	2035282
FPR 2	1,450	6	900 x 2,330	2035283
FPR 3	1,690	7	950 x 2,600	2035284

\* Incl. platform

## FSZ platform step ladders

Side rails made of rectangular steel tube with rounded edges, Gentian Blue RAL 5010, powder-coated. Steps and safety bridge made of beech, clear varnish, folding. Automatically braked when under load.

Can be climbed on both sides. Can be folded together using locking spreader.

Dimensions: Step depth 80 mm, Step spacing 250 mm, Castors Ø 100 mm.



Item	Height (mm)	Number of steps*	Side rail length (mm)	Order no.
<b>with 4 brake castors – can be moved longitudinally</b>				
FSZ 1-4B	940	4	1,540	2035285
FSZ 11-4B	1,180	5	1,780	2035286
FSZ 2-4B	1,410	6	2,010	2035287
FSZ 21-4B	1,650	7	2,250	2035288
<b>with 2 brake and 2 swivel castors – can move around curves</b>				
FSZ 1-2B	940	4	1,540	2035276
FSZ 11-2B	1,180	5	1,780	2035277
FSZ 2-2B	1,410	6	2,010	2035278
FSZ 21-2B	1,650	7	2,250	2035279

\* Incl. safety bridge

## Hand grips for FSZ step ladders

For easy lifting and moving, galvanized.



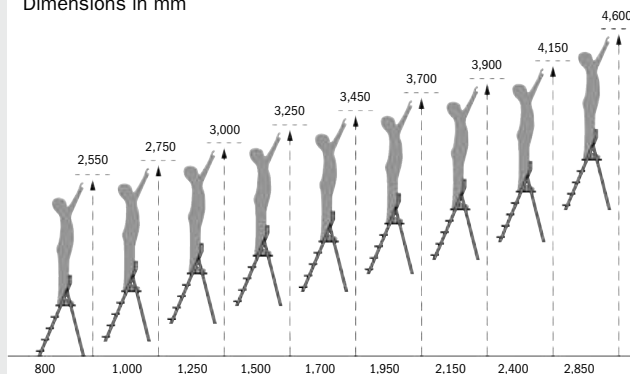
Item	for ladders	Order no.
FSZ-HG	FSZ	16314

## Rolling platform ladders

- ▶ **Side rails**  
made of rectangular light steel tube with rounded edges
- ▶ **Can be climbed on both sides**
- ▶ **Automatic braking**
- ▶ **Easy movement**  
due to large castors (Ø 125 mm)
- ▶ **High standard of safety**  
due to platform railing 2 sides with knee and foot rail, excellent stability

## Maximum working heights

Dimensions in mm

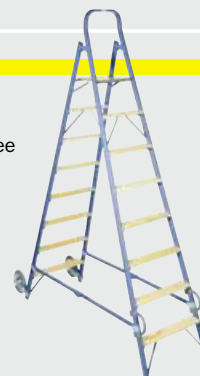


## FSZ 3 platform step ladders

Like the FSZ, but with 2 lifting rollers.

Hand grip are not included in the scope of delivery. Please order separately – see below.

Dimensions: Step depth 80 mm, Step spacing 250 mm, Castors Ø 100 mm.



Item	Height (mm)	Number of steps*	Side rail length (mm)	Order no.
<b>with 2 lifting rollers – moved similar to a wheelbarrow</b>				
FSZ 3-2 HR	1,880	3	2,480	2035289
FSZ 4-2 HR	2,120	4	2,720	2035290
FSZ 5-2 HR	2,350	5	2,950	2035291
FSZ 6-2 HR	2,820	6	3,420	2035292

\* Incl. safety bridge

## Shelf for FSZ step ladders

Attached to the safety bracket, with roll edge.



Item	for ladders	Order no.
FSZ-AB	FSZ	16315

Order no. = on stock





Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support

# Longspan racking systems



Storage and order picking are becoming increasingly complex due to the growing diversity of products.

Wherever the very high load capacities of a pallet racking are not required, SSI SCHAEFER's longspan racking systems easily handle your individual needs for optimized storage technology while creating extensive warehousing space with only a small footprint. In particular, they simplify the storage of bulky goods.

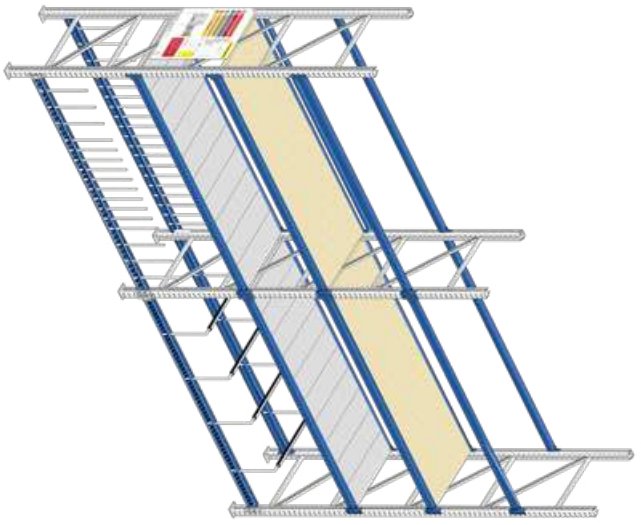
**i** Information regarding **inspection requirements**  
for **rack systems**

Chapter **F**, page **F4**

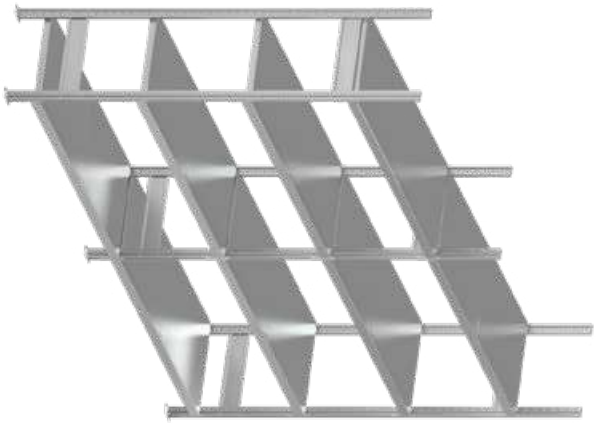




**WR 600 longspan racking** page B8


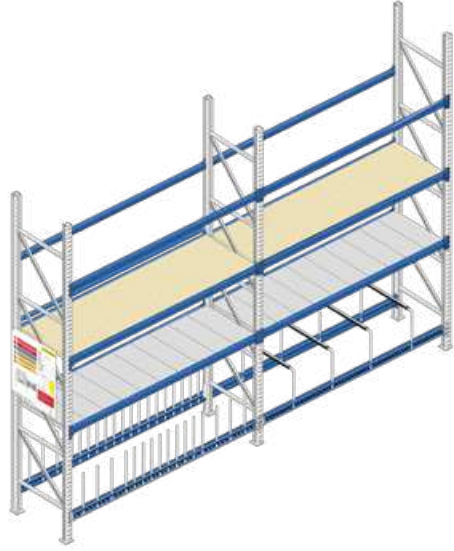


**WR 3000 longspan racking** page B4

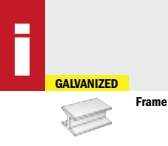




# Overview of longspan racking systems

	<b>WR 3000 longspan racking</b>	<b>WR 600 longspan racking</b>
Areas of use	Storage of large, light and medium weight goods.	Storage of large and heavy goods.
Advantages	<ul style="list-style-type: none"> <li>▶ Easy to assemble</li> <li>▶ Flexibility due to quick adjustment</li> <li>▶ Expandable with components from the R 3000 modular shelving</li> </ul>	<ul style="list-style-type: none"> <li>▶ Extensive compartment equipment</li> <li>▶ Covers diverse areas of application</li> <li>▶ Expandable at any time</li> </ul>
System	▶ Frame system with plug-in design for rapid assembly	▶ Frame system with plug-in design for rapid assembly
Design	▶ Frame system, 4 bay widths, 4 rack depths, various construction heights	▶ Frame system, 4 bay widths, 4 rack depths, various construction heights
Load-bearing capacity	▶ Up to max. 2,000 kg per rack bay	▶ Up to max. 3,500 kg per upright frame
System layout	▶ 53 mm adjustment steps	▶ 50 mm adjustment steps
Frame surface	▶ Galvanized	▶ Galvanized
Beam surface	▶ Galvanized	▶ Galvanized/painted with RAL 5010
		
	<b>B4</b>	<b>B8</b>

from pages



# WR 3000 upright frame and accessories

## Upright frame

The upright profiles are made from cold-rolled, high-strength, galvanized steel and are connected by horizontal steel braces to create a stable frame.



### Frame height 1,960 mm

Item	Frame depth (mm)	Order no.
RR 34319-V-M	400	6671806
RR 35319-V-M	500	6671807
RR 36319-V-M	600	6671808
RR 38319-V-M	800	6671809

### Frame height 2,278 mm

Item	Frame depth (mm)	Order no.
RR 34322-V-M	400	6671816
RR 35322-V-M	500	6671817
RR 36322-V-M	600	6671818
RR 38322-V-M	800	6671819

### Frame height 2,490 mm

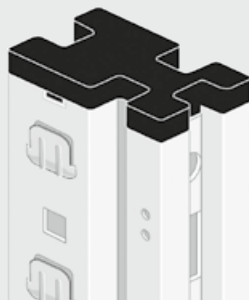
Item	Frame depth (mm)	Order no.
RR 34325-V-M	400	6671821
RR 35325-V-M	500	6671822
RR 36325-V-M	600	6671823
RR 38325-V-M	800	6671824

### Frame height 2,967 mm

Item	Frame depth (mm)	Order no.
RR 34530-V-M	400	6671841
RR 35530-V-M	500	6671842
RR 36530-V-M	600	6671843
RR 38530-V-M	800	6671844

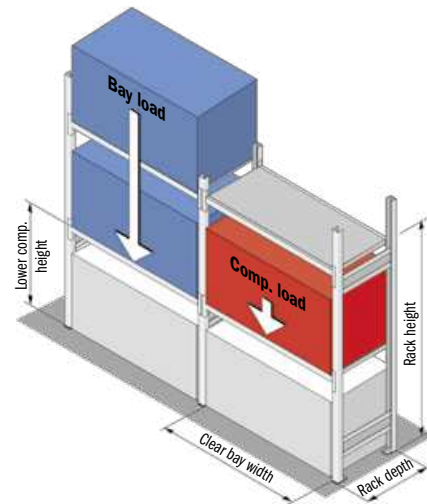
## End cap

High-quality black plastic. Attached to the rack frames as an end piece.



Item	Order no.
AK 3000	147130

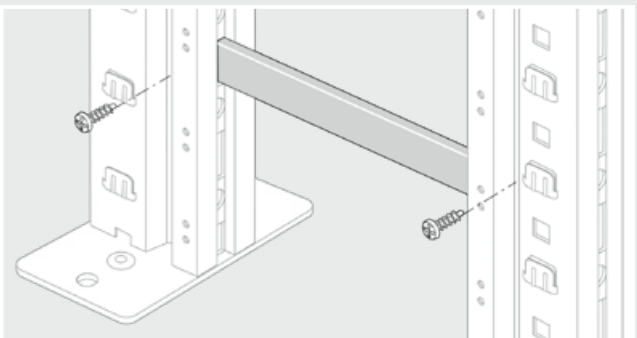
- **High load capacity**  
of up to 2,000 kg per rack bay and up to 400 kg per shelf compartment
- **Large shelf compartment**  
for large-volume goods, consisting of rack frame, longitudinal beams and shelves
- **Expansion system**  
3 bay widths, 4 rack depths, various construction heights
- **System hole pattern**  
with adjustment spacing 53 : 53 mm
- **Extensive accessories**  
compatible with R 3000 modular shelvings (chapter A)



## Load capacity of the rack bay

Rack height	1,960 mm	2,278 mm	2,490 mm	2,967 mm
<b>Bay width</b>	<b>Bay load capacity</b>			
1,988 mm	1,600 kg	1,600 kg	1,600 kg	2,000 kg
2,276 mm	1,500 kg	1,500 kg	1,500 kg	2,000 kg
2,564 mm	1,250 kg	1,250 kg	1,250 kg	1,800 kg

Condition: max. height of lower compartment 200 mm, max. compartment height 600 mm



## Frame connector

Sheet steel, galvanized. For connecting 2 rack bays back-to-back in a row. Incl. fixing kit.

Item	Frame distance (mm)	Order no.
RV 3030	30	147090
RV 3050	50	147100
RV 3100	100	147110
RV 3300	300	147120

Order no. = on stock



## WR 3000 accessories



## Shelves

Sheet steel, galvanized. The load values apply only in combination with longitudinal beams.

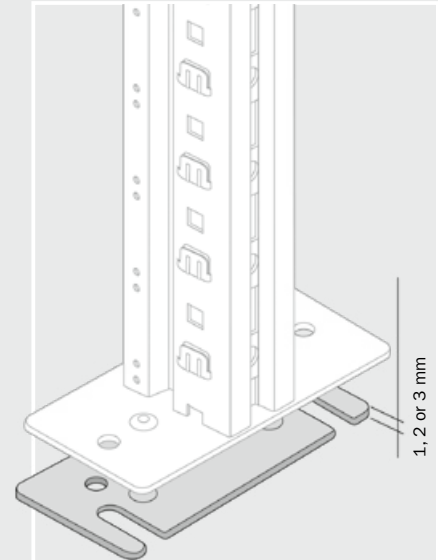
Item	Frame depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
ZB 341010 V	400	994	200	145510
ZB 341315 V		1,282	200	145540
ZB 351010 V	500	994	200	145520
ZB 351315 V		1,282	200	145550
ZB 361010 V	600	994	200	145530
ZB 331315 V		1,282	200	145560
ZB 381020 V	800	994	200	145600
ZB 381325 V		1,282	200	145630



## Longitudinal beams

Sheet steel, galvanized.

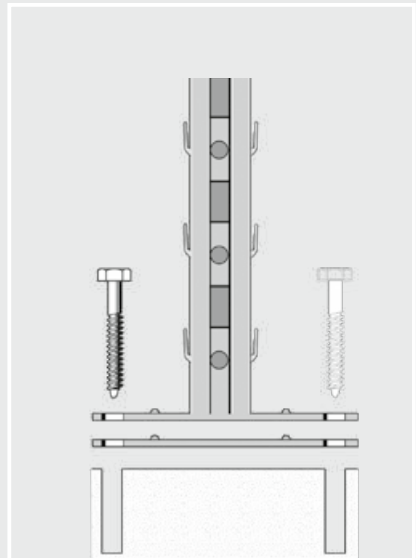
Item	Clear bay width (mm)	Max. load per compartment (kg)	Order no.
WR-LTR 3206 V	1,994	400	6670756
WR-LTR 3236 V	2,282	400	6670757
WR-LTR 3256 V	2,570	400	6670758



## Shim plates

Sheet steel, galvanized. To compensate for slightly uneven ground surfaces.

Item	Thickness (mm)	Order no.
UP3001-V	1	6671710
UP3002-V	2	6671711
UP3003-V	3	6671712



## Floor fixing

Screw anchor for anchoring the racks to the floor.

Item	Order no.
HUS3-H6x60	6671728

# WR 3000 individual racking



### Complete WR 3000 rack bays with 3 compartment levels 1,960 mm high (Starter bays)

2 pre-assembled frames, 6 longitudinal beams, 6 shelves, anchor bolt, top caps and identification plate.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per bay (kg)	Order no.
WR 34319203 G	400	1,994	1,600	6670683
WR 34319233 G		2,282	1,500	6670699
WR 34319253 G		2,570	1,250	6670715
WR 35319203 G	500	1,994	1,600	6670684
WR 35319233 G		2,282	1,500	6670700
WR 35319253 G		2,570	1,250	6670716
WR 36319203 G	600	1,994	1,600	6670685
WR 36319233 G		2,282	1,500	6670701
WR 36319253 G		2,570	1,250	6670717
WR 38319203 G	800	1,994	1,600	6670686
WR 38319233 G		2,282	1,500	6670702
WR 38319253 G		2,570	1,250	6670718

### Expansion bays

1 pre-assembled frame, 6 longitudinal beams, 6 shelves, anchor bolt and top caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per bay (kg)	Order no.
WR 34319203 A	400	1,994	1,600	6670731
WR 34319233 A		2,282	1,500	6670747
WR 34319253 A		2,570	1,250	6670832
WR 35319203 A	500	1,994	1,600	6670732
WR 35319233 A		2,282	1,500	6670748
WR 35319253 A		2,570	1,250	6670833
WR 36319203 A	600	1,994	1,600	6670733
WR 36319233 A		2,282	1,500	6670749
WR 36319253 A		2,570	1,250	6670834
WR 38319203 A	800	1,994	1,600	6670734
WR 38319233 A		2,282	1,500	6670750
WR 38319253 A		2,570	1,250	6670835

### Additional compartment levels

2 longitudinal beams, 2 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per comp. (kg)	Order no.
WR-ZE 3420	400	1,994	400	6670798
WR-ZE 3423		2,282	400	6670802
WR-ZE 3425		2,570	400	6670806
WR-ZE 3520	500	1,994	400	6670799
WR-ZE 3523		2,282	400	6670803
WR-ZE 3525		2,570	400	6670807
WR-ZE 3620	600	1,994	400	6670800
WR-ZE 3623		2,282	400	6670804
WR-ZE 3625		2,570	400	6670808
WR-ZE 3820	800	1,994	400	6670801
WR-ZE 3823		2,282	400	6670805
WR-ZE 3825		2,570	400	6670809



### Complete WR 3000 rack bays with 3 compartment levels 2,278 mm high (Starter bays)

2 pre-assembled frames, 6 longitudinal beams, 6 shelves, anchor bolt, top caps and identification plate.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per bay (kg)	Order no.
WR 34322203 G	400	1,994	1,600	6670687
WR 34322233 G		2,282	1,500	6670703
WR 34322253 G		2,570	1,250	6670719
WR 35322203 G	500	1,994	1,600	6670688
WR 35322233 G		2,282	1,500	6670704
WR 35322253 G		2,570	1,250	6670720
WR 36322203 G	600	1,994	1,600	6670689
WR 36322233 G		2,282	1,500	6670705
WR 36322253 G		2,570	1,250	6670721
WR 38322203 G	800	1,994	1,600	6670690
WR 38322233 G		2,282	1,500	6670706
WR 38322253 G		2,570	1,250	6670722

### Expansion bays

1 pre-assembled frame, 6 longitudinal beams, 6 shelves, anchor bolt and top caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per bay (kg)	Order no.
WR 34322203 A	400	1,994	1,600	6670735
WR 34322233 A		2,282	1,500	6670751
WR 34322253 A		2,570	1,250	6670836
WR 35322203 A	500	1,994	1,600	6670736
WR 35322233 A		2,282	1,500	6670752
WR 35322253 A		2,570	1,250	6670837
WR 36322203 A	600	1,994	1,600	6670737
WR 36322233 A		2,282	1,500	6670753
WR 36322253 A		2,570	1,250	6670838
WR 38322203 A	800	1,994	1,600	6670738
WR 38322233 A		2,282	1,500	6670754
WR 38322253 A		2,570	1,250	6670839

### Additional compartment levels

2 longitudinal beams, 2 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per comp. (kg)	Order no.
WR-ZE 3420	400	1,994	400	6670798
WR-ZE 3423		2,282	400	6670802
WR-ZE 3425		2,570	400	6670806
WR-ZE 3520	500	1,994	400	6670799
WR-ZE 3523		2,282	400	6670803
WR-ZE 3525		2,570	400	6670807
WR-ZE 3620	600	1,994	400	6670800
WR-ZE 3623		2,282	400	6670804
WR-ZE 3625		2,570	400	6670808
WR-ZE 3820	800	1,994	400	6670801
WR-ZE 3823		2,282	400	6670805
WR-ZE 3825		2,570	400	6670809

Order no. = on stock



# WR 3000 individual racking



### Complete WR 3000 rack bays with 4 compartment levels 2,490 mm high (Starter bays)

2 pre-assembled frames, 8 longitudinal beams, 8 shelves, anchor bolt, top caps and identification plate.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per bay (kg)	Order no.
WR 34325204 G	400	1,994	1,600	6670691
WR 34325234 G		2,282	1,500	6670707
WR 34325254 G		2,570	1,250	6670723
WR 35325204 G	500	1,994	1,600	6670692
WR 35325234 G		2,282	1,500	6670708
WR 35325254 G		2,570	1,250	6670724
WR 36325204 G	600	1,994	1,600	6670693
WR 36325234 G		2,282	1,500	6670709
WR 36325254 G		2,570	1,250	6670725
WR 38325204 G	800	1,994	1,600	6670694
WR 38325234 G		2,282	1,500	6670710
WR 38325254 G		2,570	1,250	6670726

### Expansion bays

1 pre-assembled frame, 8 longitudinal beams, 8 shelves, anchor bolt and top caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per bay (kg)	Order no.
WR 34325204 A	400	1,994	1,600	6670739
WR 34325234 A		2,282	1,500	6670824
WR 34325254 A		2,570	1,250	6670840
WR 35325204 A	500	1,994	1,600	6670740
WR 35325234 A		2,282	1,500	6670825
WR 35325254 A		2,570	1,250	6670841
WR 36325204 A	600	1,994	1,600	6670741
WR 36325234 A		2,282	1,500	6670826
WR 36325254 A		2,570	1,250	6670842
WR 38325204 A	800	1,994	1,600	6670742
WR 38325234 A		2,282	1,500	6670827
WR 38325254 A		2,570	1,250	6670843

### Additional compartment levels

2 longitudinal beams, 2 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per comp. (kg)	Order no.
WR-ZE 3420	400	1,994	400	6670798
WR-ZE 3423		2,282	400	6670802
WR-ZE 3425		2,570	400	6670806
WR-ZE 3520	500	1,994	400	6670799
WR-ZE 3523		2,282	400	6670803
WR-ZE 3525		2,570	400	6670807
WR-ZE 3620	600	1,994	400	6670800
WR-ZE 3623		2,282	400	6670804
WR-ZE 3625		2,570	400	6670808
WR-ZE 3820	800	1,994	400	6670801
WR-ZE 3823		2,282	400	6670805
WR-ZE 3825		2,570	400	6670809



### Complete WR 3000 rack bays with 5 compartment levels 2,967 mm high (Starter bays)

2 pre-assembled frames, 10 longitudinal beams, 10 shelves, anchor bolt, top caps and identification plate.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per bay (kg)	Order no.
WR 34530205 G	400	1,994	2,000	6670695
WR 34530235 G		2,282	2,000	6670711
WR 34530255 G		2,570	1,800	6670727
WR 35530205 G	500	1,994	2,000	6670696
WR 35530235 G		2,282	2,000	6670712
WR 35530255 G		2,570	1,800	6670728
WR 36530205 G	600	1,994	2,000	6670697
WR 36530235 G		2,282	2,000	6670713
WR 36530255 G		2,570	1,800	6670729
WR 38530205 G	800	1,994	2,000	6670698
WR 38530235 G		2,282	2,000	6670714
WR 38530255 G		2,570	1,800	6670730

### Expansion bays

1 pre-assembled frame, 10 longitudinal beams, 10 shelves, anchor bolt and top caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per bay (kg)	Order no.
WR 34530205 A	400	1,994	2,000	6670743
WR 34530235 A		2,282	2,000	6670828
WR 34530255 A		2,570	1,800	6670844
WR 35530205 A	500	1,994	2,000	6670744
WR 35530235 A		2,282	2,000	6670829
WR 35530255 A		2,570	1,800	6670845
WR 36530205 A	600	1,994	2,000	6670745
WR 36530235 A		2,282	2,000	6670830
WR 36530255 A		2,570	1,800	6670846
WR 38530205 A	800	1,994	2,000	6670746
WR 38530235 A		2,282	2,000	6670831
WR 38530255 A		2,570	1,800	6670847

### Additional compartment levels

2 longitudinal beams, 2 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per comp. (kg)	Order no.
WR-ZE 3420	400	1,994	400	6670798
WR-ZE 3423		2,282	400	6670802
WR-ZE 3425		2,570	400	6670806
WR-ZE 3520	500	1,994	400	6670799
WR-ZE 3523		2,282	400	6670803
WR-ZE 3525		2,570	400	6670807
WR-ZE 3620	600	1,994	400	6670800
WR-ZE 3623		2,282	400	6670804
WR-ZE 3625		2,570	400	6670808
WR-ZE 3820	800	1,994	400	6670801
WR-ZE 3823		2,282	400	6670805
WR-ZE 3825		2,570	400	6670809

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

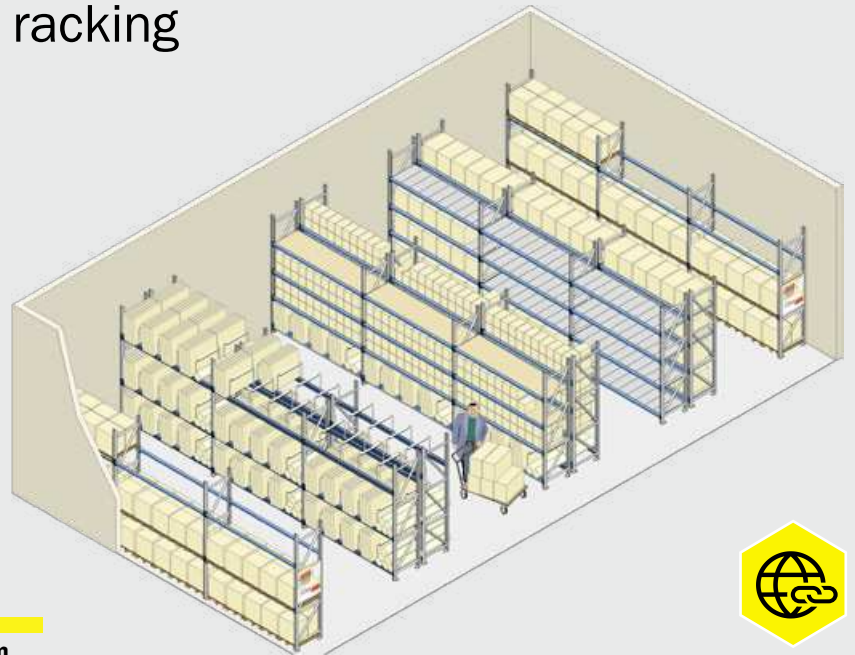
Customer Service & Support

## WR 600 – the perfect longspan racking

The flexible WR 600 longspan racking system with 50 : 50 mm system hole pattern handles all storage material location and warehousing tasks.

The frame construction with supporting profiles with three heights and four depths, three different beam types with four lengths allows you to freely configure the rack bays.

Standardized components allow a multi-tier installation. This also enables the construction of platforms.



**i** **Changed frame depth in 2021**  
for **WR 600** from 1,050 mm to **1,100 mm**

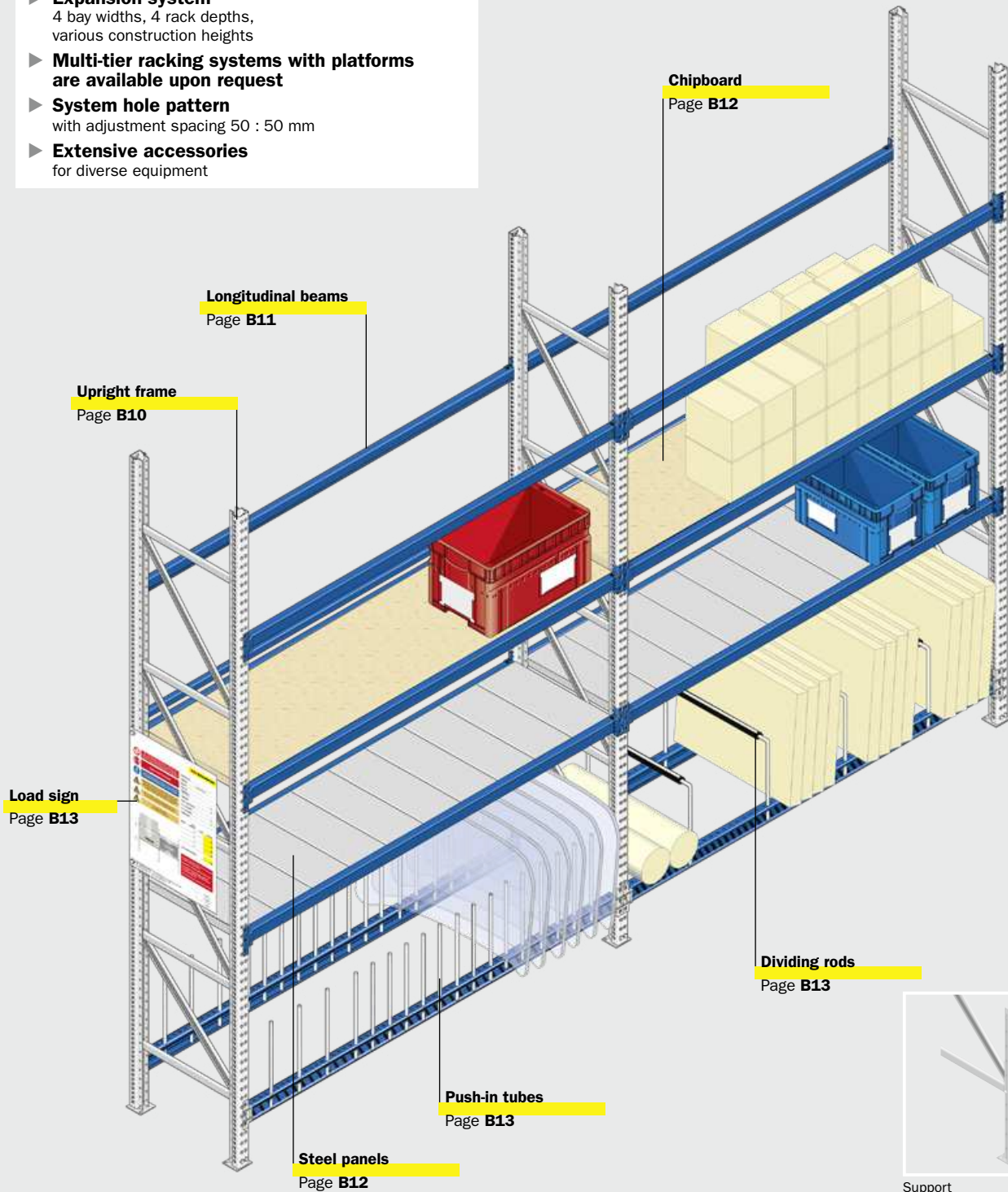


GALVANIZED DUST GRAY GENTIAN BLUE



- ▶ **High load capacity**  
of up to 3,500 kg per frame
- ▶ **Large shelf**  
for large-volume goods, consisting of a rack frame with bolted horizontal and diagonal braces as well as 3 different types of beams
- ▶ **Expansion system**  
4 bay widths, 4 rack depths, various construction heights
- ▶ **Multi-tier racking systems with platforms are available upon request**
- ▶ **System hole pattern**  
with adjustment spacing 50 : 50 mm
- ▶ **Extensive accessories**  
for diverse equipment

# WR 600 system design



Load sign



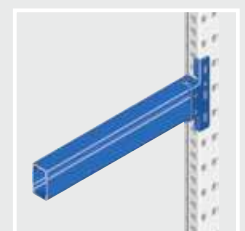
Steel panels, inserted



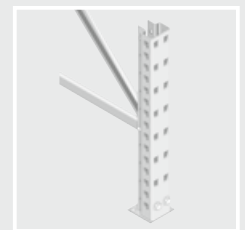
Chipboard, inserted



Dividing rods



Longitudinal beam



Support

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support

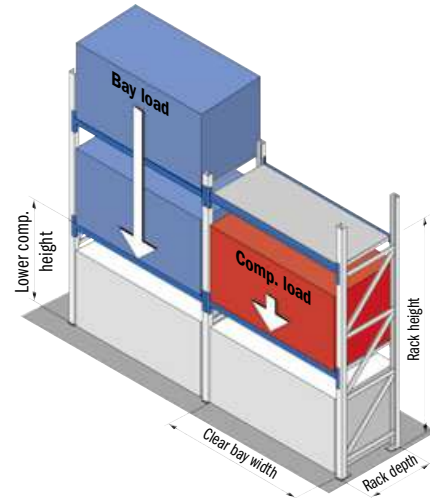


# WR 600 upright frame and accessories



## ► Load capacity of the frame

The permissible load bearing capacity of the frame depends on the compartment height and the planned beam profile. The specified values apply for racks with at least 2 pairs of longitudinal beams per rack bay and rack rows with at least 5 rack bays.

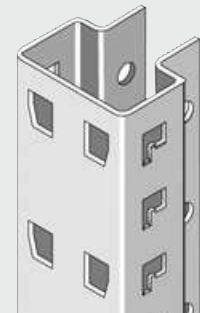


Compartment height	Frame load capacity
500 mm	3,500 kg
750 mm	3,000 kg
1,000 mm	2,700 kg
1,250 mm	2,300 kg
1,500 mm	1,800 kg

## Upright frame

The upright profiles are made from cold rolled, high-strength, galvanized steel bolted together with horizontal and diagonal struts to create a stable frame.

Delivered unassembled.



### Frame height 2,200 mm

Item	Frame depth (mm)	Order no.
R 61225	500	464500
R 61226	600	464530
R 61228	800	464560
R 612211	1,100	8007261

### Frame height 2,500 mm

Item	Frame depth (mm)	Order no.
R 61255	500	464510
R 61256	600	464540
R 61258	800	464570
R 612511	1,100	8007262

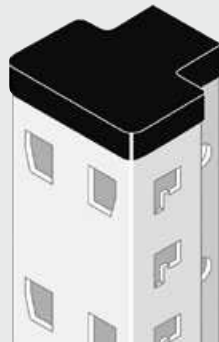
### Frame height 3,000 mm

Item	Frame depth (mm)	Order no.
R 61305	500	464520
R 61306	600	464550
R 61308	800	464580
R 613011	1,100	8007263

Order no. = on stock

## End caps

High-quality black plastic. Attached to the rack frames as an end piece.

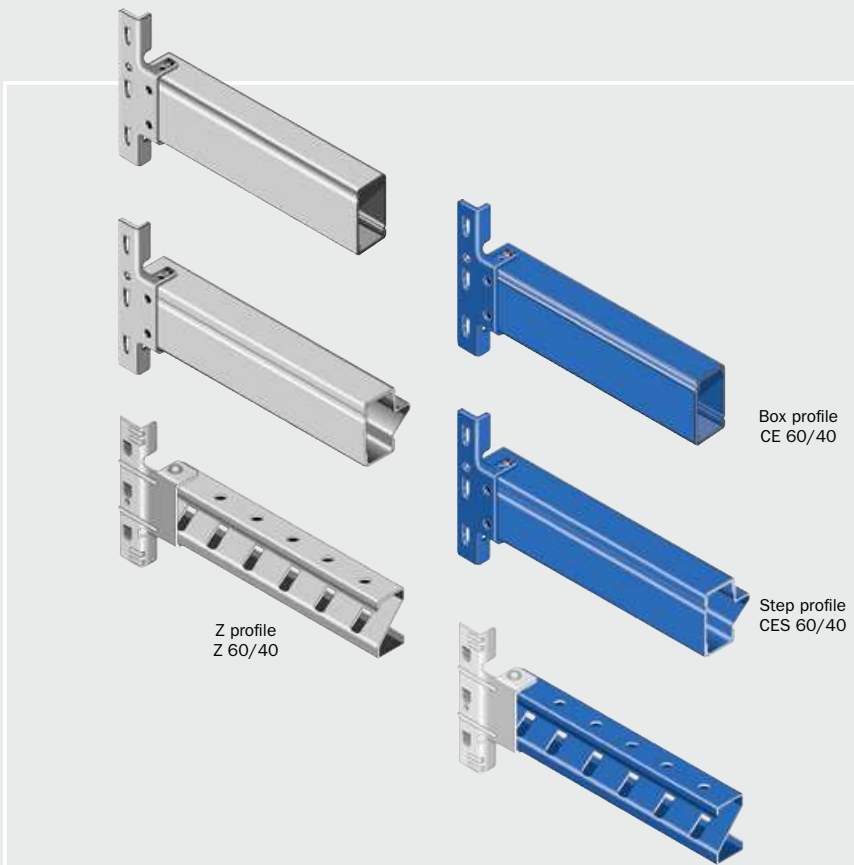


Item	Order no.
K-AKP 1	472650



**i** Compatible with PR 600 pallet racking  
Chapter C, from page C4

# Longitudinal beams and accessories WR 600

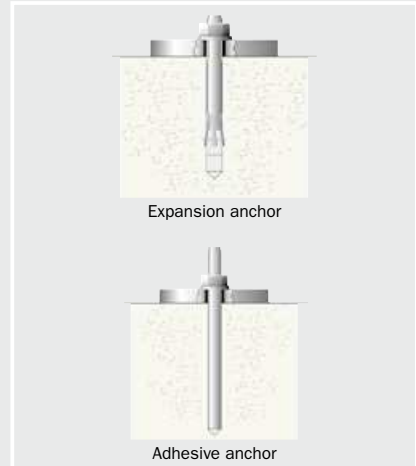


## Longitudinal beams

3-hook rear lips, guarantee an interlocking connection with the rack supports. Two retaining pins (included) per section are required to prevent unintentional removal.

Surface galvanized or painted (Gentian Blue, RAL 5010).

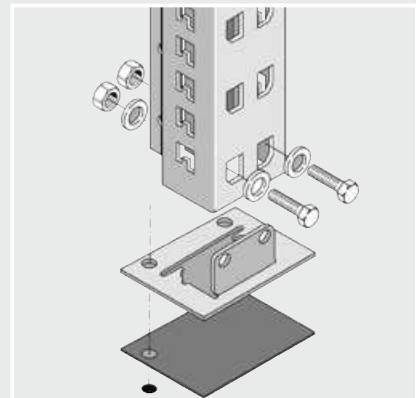
Item	Beam length (mm)	Load capacity per pair (kg)	PU	Order no.
<b>Longitudinal beam box profile CE 60/40</b>				
TR4-150-064-25CE	1,500	600	1	151760 –
TR4-180-064-25CE	1,800	600	1	151770 –
TR4-220-064-30CE	2,200	600	1	151820 –
TR4-270-064-30CE	2,700	600	1	151830 –
TR4-150-064-25CEL	1,500	600	1	– 151761
TR4-180-064-25CEL	1,800	600	1	– 151771
TR4-220-064-30CEL	2,200	600	1	– 151821
TR4-270-064-30CEL	2,700	600	1	– 151831
<b>Longitudinal beam step profile CES 60/40</b>				
TR4-150-064-25S	1,500	600	1	151840 –
TR4-180-064-25S	1,800	600	1	151850 –
TR4-220-064-30S	2,200	600	1	151900 –
TR4-270-064-30S	2,700	600	1	151910 –
TR4-150-064-25SL	1,500	600	1	– 151841
TR4-180-064-25SL	1,800	600	1	– 151851
TR4-220-064-30SL	2,200	600	1	– 151901
TR4-270-064-30SL	2,700	600	1	– 151911
<b>Longitudinal beam Z profile Z 60/40</b>				
TR 1506 Z-V	1,500	450	1	124730 –
TR 1806 Z-V	1,800	400	1	124740 –
TR 2206 Z-V	2,200	350	1	124750 –
TR 2706 Z-V	2,700	200	1	124760 –
TR 1506 Z-G	1,500	450	1	– 129440
TR 1806 Z-G	1,800	400	1	– 129450
TR 2206 Z-G	2,200	350	1	– 129460
TR 2706 Z-G	2,700	200	1	– 129470



## Floor anchors

The frame needs to be anchored in order to ensure the stability of the longspan racking. M10 expansion anchors are used for a normal C20/25 concrete floor; M10 adhesive anchors are used for floors containing magnesium.

Item		Order no.
BA 10 SL	Expansion anchor M 10	67030
BA 10 VA	Adhesive anchor M 10	67390



## Base shims

To compensate for uneven ground, galvanized.

Item	Thickness (mm)	Order no.
AP 60.51	1	143500
AP 60.52	2	143510

## Insulation plates

When installing racks on floors containing magnesium, plastic insulation plates are required for every rack support to prevent corrosion.

Item	Thickness (mm)	Order no.
IP 60.51	1	155250

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support



# Compartment covers and panels WR 600

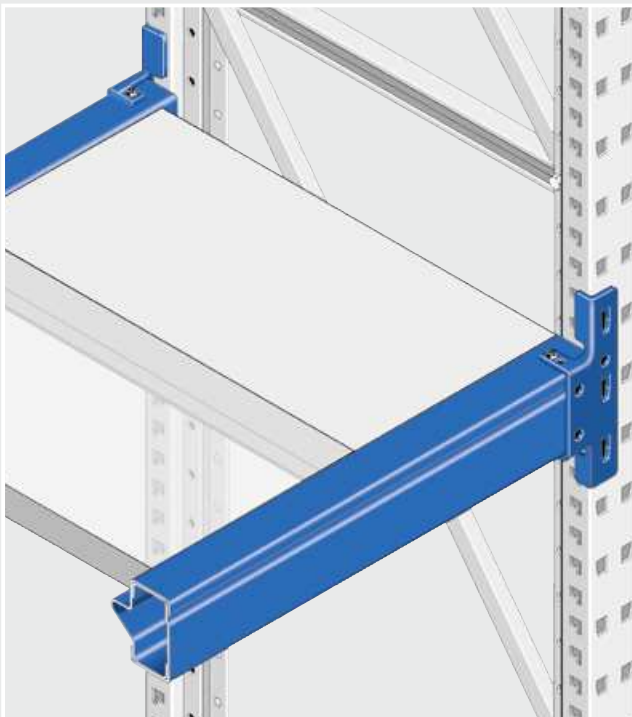


### Chipboard panels for longitudinal beams with step profile

Bin covers made of chipboard are inserted between the longitudinal beams. Quality: 22 mm, normal density.

The specified loads apply for uniformly distributed loads.

Item	Frame depth (mm)	Beam length (mm)	Compartment load (kg)	Order no.
FSS 15-050-22-NA	500	1,500	560	329600
FSS 18-050-22-NA		1,800	600	329640
FSS 22-050-22-NA		2,200	600	329680
FSS 27-050-22-NA		2,700	600	329720
FSS 15-060-22-NA	600	1,500	370	329610
FSS 18-060-22-NA		1,800	440	329650
FSS 22-060-22-NA		2,200	540	329690
FSS 27-060-22-NA		2,700	600	329730
FSS 15-080-22-NA	800	1,500	190	329620
FSS 18-080-22-NA		1,800	230	329660
FSS 22-080-22-NA		2,200	280	329700
FSS 27-080-22-NA		2,700	350	329740
FSS 15-110-22-NA	1,100	1,500	100	6689309
FSS 18-110-22-NA		1,800	130	6689310
FSS 22-110-22-NA		2,200	150	6689311
FSS 27-110-22-NA		2,700	190	6689312



### Steel panels for longitudinal beams with step profile

Steel panels made of sendzimir galvanized sheet steel, 200 or 300 mm wide, can be inserted into the longitudinal beams with a step profile.

The capacity per panel is 150 kg uniformly distributed load.

#### Complete panel sets – for 200 mm and 300 mm panels

Item	Frame depth (mm)	Beam length (mm)	Order no.
FPS-15050	500	1,500	109701
FPS-18050		1,800	109711
FPS-22050		2,200	109721
FPS-27050		2,700	109731
FPS-15060	600	1,500	109741
FPS-18060		1,800	109751
FPS-22060		2,200	109761
FPS-27060		2,700	109771
FPS-15080	800	1,500	109781
FPS-18080		1,800	109791
FPS-22080		2,200	109801
FPS-27080		2,700	109811

#### Single steel panels – panel width 200 mm

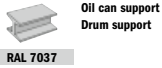
Item	Frame depth (mm)	Order no.
FPS 20-050-22-20A	500	329760
FPS 20-060-22-20A	600	329780
FPS 20-080-22-30A	800	329800
FPS 20-110-22-30A	1,100	8007258

#### Single steel panels – panel width 300 mm

Item	Frame depth (mm)	Order no.
FPS 30-050-22-20A	500	329770
FPS 30-060-22-20A	600	329790
FPS 30-080-22-30A	800	329810
FPS 30-110-22-30A	1,100	8007259

Order no. = on stock

**DUST GRAY**



RAL 7037

**GALVANIZED**



Compartment divider  
Dividing rods  
Push-in tubes

**GENTIAN BLUE**

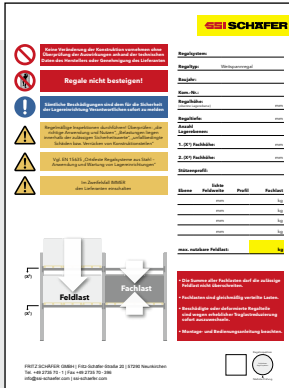


RAL 5010

Spacers

**Mandatory labeling**

The regulations of the trade associations demand labeling of rack facilities with all the necessary load specifications

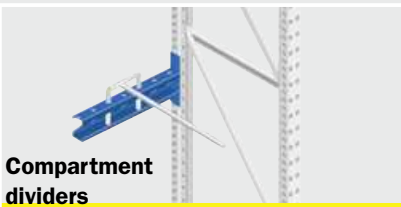


**Load signs**

Item	Width (mm)	Height (mm)	Order no.
<b>Made of aluminum, incl. fixing kit</b>			
<b>LSTS 7050</b>	450	600	<b>on req.*</b>
<b>Made from PVC-adhesive film (not shown)</b>			
<b>TS 0615</b>	60	150	<b>on req.*</b>

\* The technical data is defined via a time sheet. It is offered and invoiced as part of the price of the sign.

**Storage labeling and safety accessories** from p. C11



**Compartment dividers**

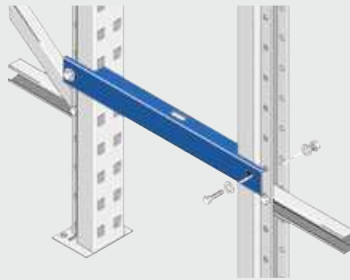
For vert. storage of wooden beams, pipes, etc. Adjustment 50 : 50 mm, galvanized.

Item	Frame depth (mm)	Length (mm)	Order no.
<b>APH 340</b>	500	340	<b>18120</b>
<b>APH 740</b>	800	740	<b>18110</b>

**Spacers**

Two single-row racks position one behind the other connected with spacers to form double-row racks.

Surface finish: Gentian Blue, RAL 5010.

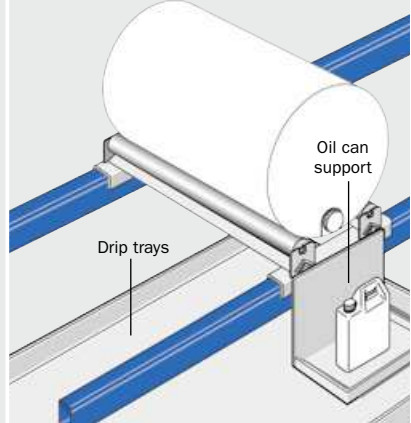


Item	Distance (mm)	Order no.
<b>D 50 L</b>	50	<b>151060</b>
<b>D 100 L</b>	100	<b>151070</b>
<b>D 150 L</b>	150	<b>151080</b>
<b>D 200 L</b>	200	<b>151090</b>
<b>D 250 L</b>	250	<b>151100</b>
<b>D 300 L</b>	300	<b>151110</b>
<b>D 350 L</b>	350	<b>151120</b>
<b>D 400 L</b>	400	<b>151130</b>
<b>D 450 L</b>	450	<b>151140</b>
<b>D 500 L</b>	500	<b>151150</b>

**Oil can support**

Can be inserted into the front of drum supports, with support surface. Dimensions: 300 x 350 mm.

Surface finish: Dust gray, RAL 7037.



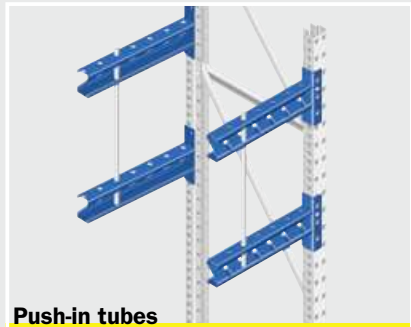
Item	Order no.
<b>KT 30</b>	<b>116570</b>



**Hoop dividers**

For dividing compartments of Z beams. Adjustment 50 : 50 mm, galvanized.

Item	Frame depth (mm)	Order no.
<b>KTB 50</b>	500	<b>159420</b>
<b>KTB 80</b>	800	<b>159430</b>
<b>KTB S</b>	Bracket padding	<b>39640</b>



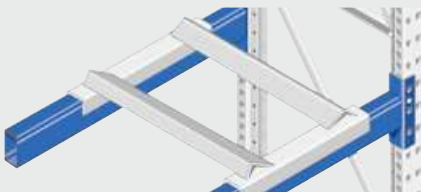
**Push-in tubes**

For dividing compartments of Z beams. Adjustment 50 : 50 mm, galvanized.

Item	Tube length (mm)	Order no.
<b>KRA 4170</b>	170	<b>159440</b>
<b>KRA 4300</b>	300	<b>159450</b>
<b>KRA 4950</b>	950	<b>159460</b>
<b>KRA 4105</b>	1,050	<b>159470</b>

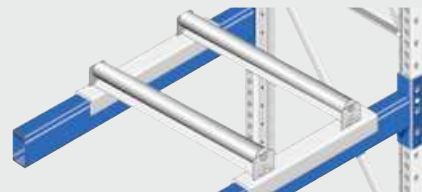
**Drum supports**

Welded frame made of angled profiles. For rotary drum supports with two ball bearing-mounted, galvanized steel rollers. For fitting on longitudinal beams. Surface finish: Dust gray, RAL 7037. Load capacity 210 kg.



**Stationary**

Item	Frame depth (mm)	Order no.
<b>FAS 80</b>	800	<b>116900</b>
<b>FAS 110</b>	1,100	<b>6690602</b>



**Rotatable**

Item	Frame depth (mm)	Order no.
<b>FAD 80</b>	800	<b>116910</b>
<b>FAD 110</b>	1,100	<b>6690599</b>

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support

# Pallet racking – a modular system with limitless versatility

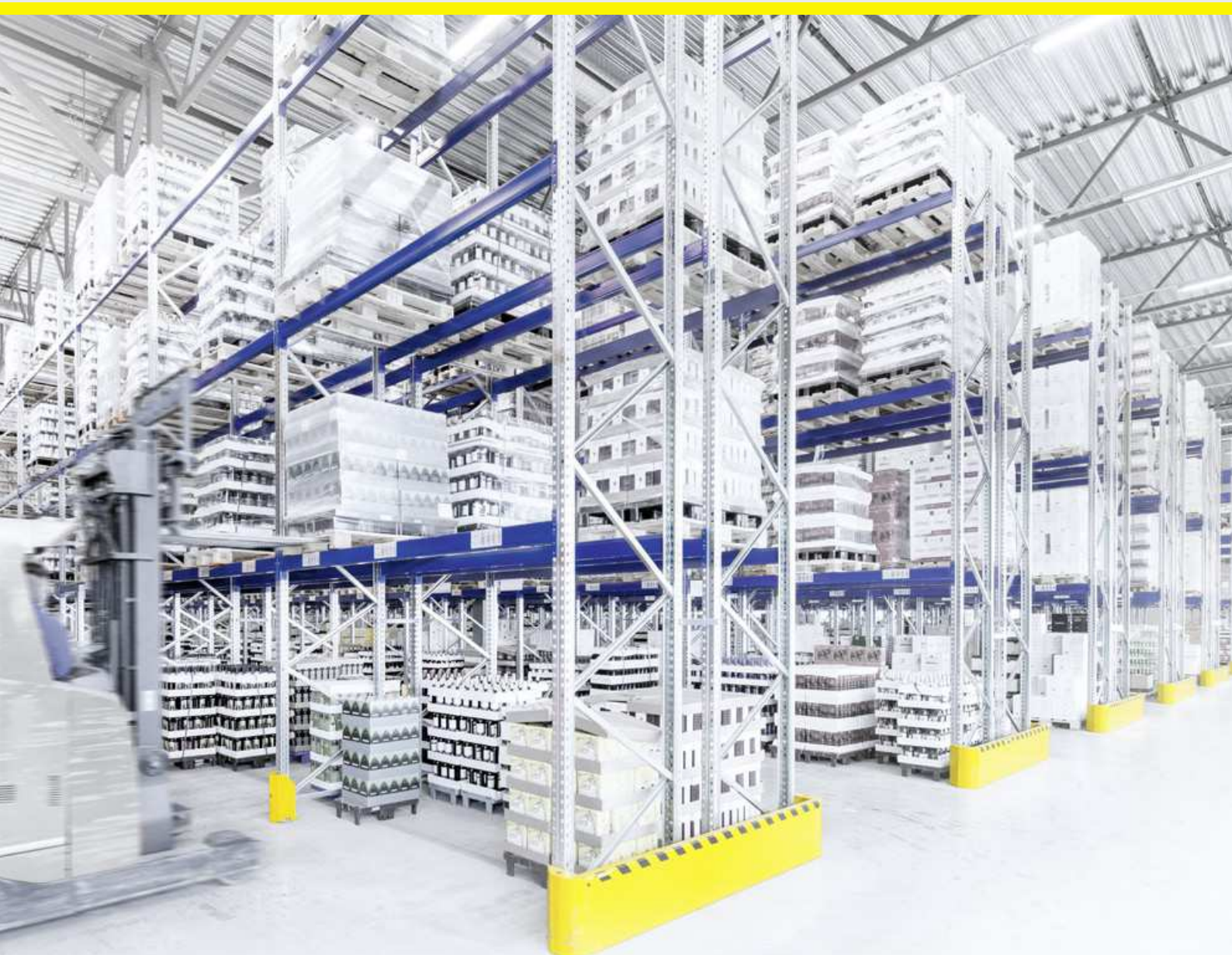


SSI SCHAEFER's pallet racking systems are so handy as the Euro and Industrial pallets themselves. It doesn't matter what kind of load carrier – pallets, mesh boxes or any other – longitudinal beam racks for single- or multiple place storage ensure high mobility of ware and quick goods turnover. Multi-place longitudinal beam rack systems are used in diverse branches from wholesale or spare parts warehouses in the electronics, mechanics and automotive industries.

Single-place rack systems are ideal for storing goods with the same base carrier and varying heights. Drive-in rack systems have proven their value especially when storing a very large quantity of a limited range of articles.

Using adequate accessories, pallets and containers, even with varying sizes, this kind of rack system enables optimal storage.

**i** **Changed frame depth in 2021**  
for PR 600 from 1,050 mm to **1,100 mm**







**PR 600 longitudinal beam racking** page **C4**

**Accessories for pallet racking** page **C8**

**Safety accessories** page **C11**

**Storage and storage space labeling** page **C14**

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support



## Overview of pallet racking system

<b>Longitudinal beam rackings PR 600</b>	
Areas of use	Pallet storage of medium and high-volume goods with medium to high loads, e.g. for logistics services or in distribution warehouses
Advantages	<ul style="list-style-type: none"> <li>▶ Light and economical</li> <li>▶ Sturdy due to special design</li> <li>▶ Highest dimensional accuracy</li> </ul>
Design	▶ Bolted frame construction with longitudinal beams, 4 stand profiles each with 3 frame depths, 10 frame heights, 2 beam types, 7 bay width
Beam connection	▶ Bolt-free system
System hole pattern	▶ 50 : 50 mm
Upright profile widths	▶ 75, 90, 100, 120 mm
Frame load capacity	▶ Up to 30,000 kg
Beam load capacity	▶ Up to 4,500 kg per pair
Frame surface	▶ Galvanized
Beam surface	▶ Painted RAL 5010, Gentian Blue



from page

C4

**Safety equipment for racks according to German regulation DG-UV 108-007**

- 1.1 Row end frame height increase**  
by at least 500 mm above the top rack height
- 1.2 Passage overhead protection**  
These must be covered by chipboard, grating or similar.  
Clear passage height must be at least minimum 2,000 mm
- 1.3 Safety distance between load carriers**  
Safety distance between load carriers lower than 100 mm?  
Back stops will be necessary inside double-sided racks
- 1.4 End Frames**  
Corner protectors must be installed at all free-standing end frames.  
This also applies to passages
- 1.5 Single-sided rack rows**  
If one side of a free-standing single-row rack is not used for loading or unloading, this side must be secured, preventing ware units from falling out. For example using nets, solid or mesh back panels
- 1.6 Transposed storage**  
If the skids or feet of load carriers are parallel to beams, or not directly supported by beams, they must be secured by front-to-back supports, chipboards, mesh grates or similar devices
- 1.7 Load signs**  
These must be provided for all rack installations

**Technical regulations for the pallet racking**

- 2.1 Rack rows**  
A rack row must consist of at least 3 rack bays
- 2.2 Beam levels**  
There must be at least 2 beam levels per rack bay
- 2.3 Compartment heights**  
The compartment heights must not differ by more than 200 mm.  
The maximum compartment height is 2,500 mm
- 2.4 Concrete quality of the hall floor**  
Minimum concrete quality of the hall floor:  
C20/25 as per EN 1992. Concrete thickness 200 mm



Information regarding **inspection requirements**  
for rack systems

Chapter F, page F4



# PR 600 – the modern pallet racking system

The PR 600 rack system is characterized by its diverse, versatile configuration options. This enables the implementation of all designs including longitudinal beams, front-to-back beams and drive-in racking systems for maximum storage capacity with a minimum volume.

One advantage that frequently does not come into play until later is the

ability to adapt the system to changing circumstances. The rack frames are bolted together and also designed for the highest loads.

This is a modern pallet racking system – a versatile stacking system for individual solutions.

► **Tested quality**

PR 600 longitudinal beam racks have the RAL-RG 614/2 seal of quality. Compliance with the criteria is checked twice per year by an independent authority. This guarantees that both the material and the production fulfill the high quality requirements.



GALVANIZED



Frame

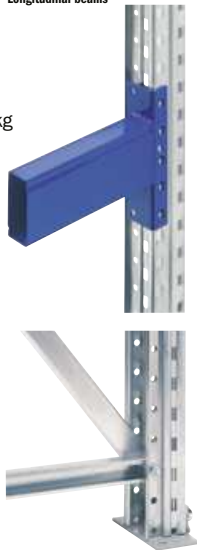
GENTIAN BLUE



Longitudinal beams

RAL 5010

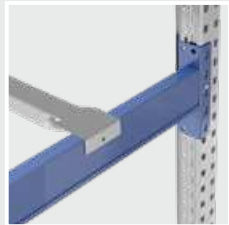
- ▶ **High load capacity**  
Frame load capacity of up to 30,000 kg (for min. 2 beam pairs INP 100 per rack bay and 5 rack bays per rack row), beam load capacity up to 4,500 kg per pair
- ▶ **Light and economical**
- ▶ **Sturdy due to special design**
- ▶ **High-quality materials**
- ▶ **Precise dimensional accuracy**
- ▶ **System hole pattern**  
with adjustment spacing 50 : 50 mm
- ▶ **Support widths**  
75, 90, 100, 120 mm
- ▶ **Easy assembly**  
with only a few components
- ▶ **Bolted frame construction**



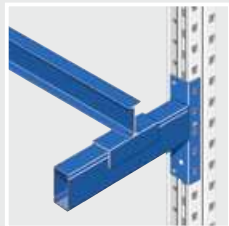
# Frames and longitudinal beams PR 600

Front-to-back supports

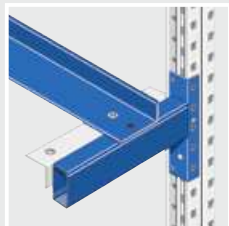
Page C8



Front-to-back supports



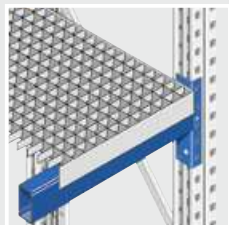
Fork spacer



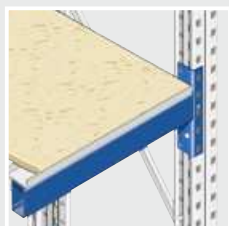
Front-to-back supports made of angled profile with locking bracket



Steel panels, attached



Mesh panels, attached



Chipboard with edge protection, attached

Mesh back panels

Page C12

Frame

Page C6

Front-to-back support from the angled profile

Page C8

End stops

Page C13

Fork spacers

Page C8

Load sign

Page C13

Steel panels on INP beam profile

Page C9

Chipboards attached

Page C10

Mesh panels on beam profile INP

Page C9

Corner protector

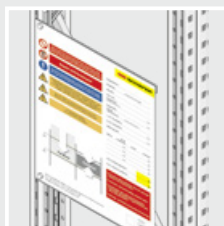
Page C11

Longitudinal beams

Page C7



Corner protector



Load sign

Modular shelving

Longspan racking

Pallet racking

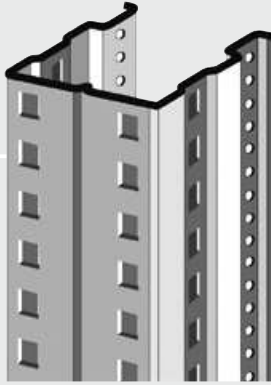
Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support



# PR 600 frame



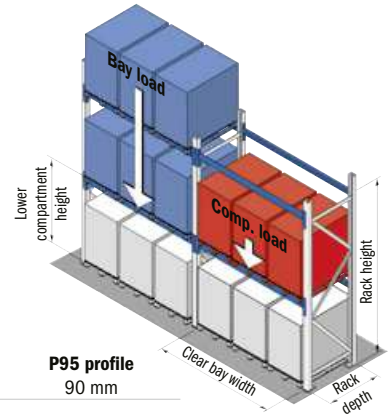
## ► Frame load capacity

The permissible frame load (or bay load) depends on the compartment height and the selected beam profile. The specified values apply for racks with at least 2 pairs of longitudinal beams/rack bay, rows with at least 5 rack bays and CE 110 for bays width 2,700 mm along with CE 140 for bay with 3,600 mm). The values vary depending on the beam profile.

The load chart is based on DIN EN 15512:2020.

Compartment heights exceeding 2,500 mm require a separate static calculation.

If you have any questions please contact our technical consultants.



Support width	<b>P73 profile</b> 75 mm		<b>P93 profile</b> 90 mm		<b>P95 profile</b> 90 mm	
	Frame load capacity					
	Bay width		Bay width		Bay width	
Comp. height	2,700 mm	3,600 mm	2,700 mm	3,600 mm	2,700 mm	3,600 mm
750 mm	9,100 kg	8,750 kg	9,550 kg	9,650 kg	14,800 kg	13,700 kg
1,000 mm	7,900 kg	7,700 kg	9,250 kg	8,850 kg	13,400 kg	12,100 kg
1,250 mm	6,500 kg	6,450 kg	8,250 kg	8,000 kg	11,800 kg	11,150 kg
1,500 mm	6,650 kg	6,550 kg	8,050 kg	8,000 kg	11,350 kg	11,050 kg
1,750 mm	6,550 kg	6,050 kg	7,850 kg	9,750 kg	9,250 kg	10,800 kg
2,000 mm	5,350 kg	5,550 kg	7,550 kg	7,600 kg	9,450 kg	10,450 kg
2,250 mm	5,250 kg	5,200 kg	7,400 kg	7,600 kg	9,450 kg	10,350 kg
2,500 mm	5,000 kg	5,000 kg	6,600 kg	6,600 kg	9,250 kg	8,850 kg



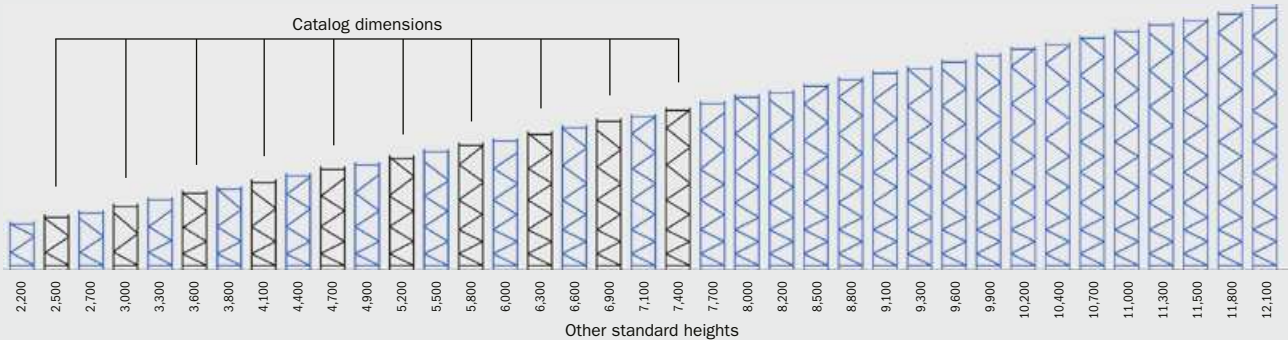
## Other frame profiles

on request



## PR 600 accessories

from page C8



### P 73 profile

Item	Frame height (mm)	Order no.	Item	Frame height (mm)	Order no.	Item	Frame height (mm)	Order no.
<b>Frame depth 850 mm</b>			<b>Frame depth 1,100 mm</b>			<b>Frame depth 1,250 mm</b>		
RV1-773-0250-085	2,500	307280	RV1-773-0250-110	2,500	6689986	RV1-773-0250-125	2,500	307760
RV1-773-0300-085	3,000	307290	RV1-773-0300-110	3,000	6690148	RV1-773-0300-125	3,000	307770
RV1-773-0360-085	3,600	307300	RV1-773-0360-110	3,600	6689987	RV1-773-0360-125	3,600	307780
RV1-773-0410-085	4,100	307310	RV1-773-0410-110	4,100	6690151	RV1-773-0410-125	4,100	307790
RV1-773-0470-085	4,700	307320	RV1-773-0470-110	4,700	6689988	RV1-773-0470-125	4,700	307800
RV1-773-0520-085	5,200	307330	RV1-773-0520-110	5,200	6690154	RV1-773-0520-125	5,200	307810

### P 93 profile

RV1-973-0250-085	2,500	307340	RV1-973-0250-110	2,500	6690180	RV1-973-0250-125	2,500	307820
RV1-973-0300-085	3,000	307350	RV1-973-0300-110	3,000	6690182	RV1-973-0300-125	3,000	307830
RV1-973-0360-085	3,600	307360	RV1-973-0360-110	3,600	6690184	RV1-973-0360-125	3,600	307840
RV1-973-0410-085	4,100	307370	RV1-973-0410-110	4,100	6690186	RV1-973-0410-125	4,100	307850
RV1-973-0470-085	4,700	307380	RV1-973-0470-110	4,700	6690188	RV1-973-0470-125	4,700	307860
RV1-973-0520-085	5,200	307390	RV1-973-0520-110	5,200	6690190	RV1-973-0520-125	5,200	307870
RV1-973-0580-085	5,800	307400	RV1-973-0580-110	5,800	6690192	RV1-973-0580-125	5,800	307880
RV1-973-0630-085	6,300	307410	RV1-973-0630-110	6,300	6690194	RV1-973-0630-125	6,300	307890
RV1-973-0690-085	6,900	307420	RV1-973-0690-110	6,900	6690196	RV1-973-0690-125	6,900	307900
RV1-973-0740-085	7,400	307430	RV1-973-0740-110	7,400	6690198	RV1-973-0740-125	7,400	307910

### P 95 profile

RV1-975-0360-085	3,600	307440	RV1-975-0360-110	3,600	6690221	RV1-975-0360-125	3,600	307920
RV1-975-0410-085	4,100	307450	RV1-975-0410-110	4,100	6690223	RV1-975-0410-125	4,100	307930
RV1-975-0470-085	4,700	307460	RV1-975-0470-110	4,700	6690225	RV1-975-0470-125	4,700	307940
RV1-975-0520-085	5,200	307470	RV1-975-0520-110	5,200	6690227	RV1-975-0520-125	5,200	307950
RV1-975-0580-085	5,800	307480	RV1-975-0580-110	5,800	6690229	RV1-975-0580-125	5,800	307960
RV1-975-0630-085	6,300	307490	RV1-975-0630-110	6,300	6690231	RV1-975-0630-125	6,300	307970
RV1-975-0690-085	6,900	307500	RV1-975-0690-110	6,900	6690233	RV1-975-0690-125	6,900	307980
RV1-975-0740-085	7,400	307510	RV1-975-0740-110	7,400	6690235	RV1-975-0740-125	7,400	307990

Order no. = on stock



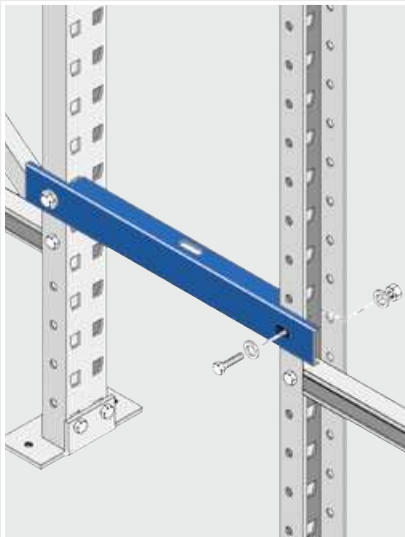


**GALVANIZED**  
Fixing angle



**GENTIAN BLUE**  
Spacers  
Front-to-back supports  
Fork spacers  
RAL 5010

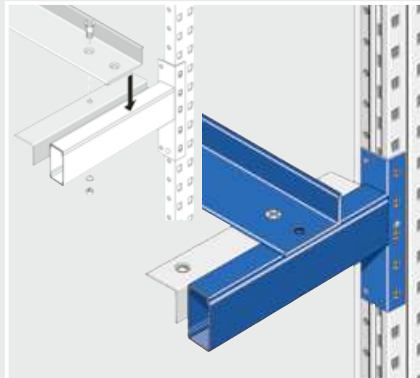
# Accessories



### Spacers

Two single-row racks can be positioned one behind the other and then connected with spacers to form double-row racks. The length of the spacers is calculated from the difference between the rack depth and loading aids/loading unit plus 100 mm.

Item	Distance (mm)	Order no.
D 50 L	50	151060
D 100 L	100	151070
D 150 L	150	151080
D 200 L	200	151090
D 250 L	250	151100
D 300 L	300	151110
D 350 L	350	151120
D 400 L	400	151130
D 450 L	450	151140
D 500 L	500	151150



### Fixing angle for front-to-back supports

Fitting options for front-to-back supports, either designed for euro pallets, industrial pallets or DIN-box mesh box pallets.

Item	Clear bay width (mm)	Order no.
AW 19	1,900	6690073
AW 22	2,200	155040
AW 27	2,700	155050
AW 29	2,900	155060
AW 33	3,300	155070
AW 36	3,600	155080
AW 39	3,900	155090

### Front-to-back support made of angled profile for pallet and container storage

For the fitting loading aids in pallet racking systems. Loading aids for each pair of front-to-back supports are required for containers without a stable support surface on longitudinal beams. In the case of transverse storage of pallets and containers, one pair of front-to-back supports are required for each loading aid. Locking brackets are required for fastening and securing against sliding on the longitudinal beams (as fig. above).

#### Cross section L 80/40/6

Load capacity up to 1,000 kg

##### Without backstop

Item	Frame depth (mm)	Pallet/ container depth (mm)	Order no.
QA85	850	800	155100
QA110	1,100	1,000	6688844
QA125	1,250	1,200	155140

##### With 30 mm backstop

Item	Frame depth (mm)	Pallet/ container depth (mm)	Order no.
QA85A	850	800	155110
QA110A	1,100	1,000	6688881
QA125A	1,250	1,200	155150

#### Cross section L 100/50/6

Load capacity up to 1,500 kg

##### Without backstop

Item	Frame depth (mm)	Pallet/ container depth (mm)	Order no.
QA855	850	800	155160
QA1105	1,100	1,000	6690541
QA1255	1,250	1,200	155200

##### With 40 mm backstop

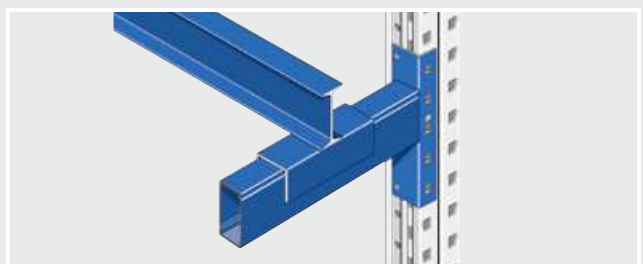
Item	Frame depth (mm)	Pallet/ container depth (mm)	Order no.
QA855A	850	800	155170
QA1105A	1,100	1,000	6690546
QA1255A	1,250	1,200	155210



### Front-to-back supports

The front-to-back supports are placed between the beams. The load specifications apply for uniformly distributed loads. For point loads they are not suitable.

Item	Frame depth (mm)	Max. pallet weight with 2 front-to-back supports (kg)	Order no.
TA-C-085-10	850	1,000	6700196
TA-C-110-10	1,100	1,000	6700198



### Fork spacers

For storing wooden pallets, sheet metal packages, boxes, containers or other large storage objects. Ground clearance for forklifts 100 mm, max. load per piece 2,000 kg for evenly distributed loads.

Item	for frame depth (mm)	Order no.
QU 851	850	155220
QU 1101	1,100	6688837
QU 1251	1,250	155240

Order no. = on stock



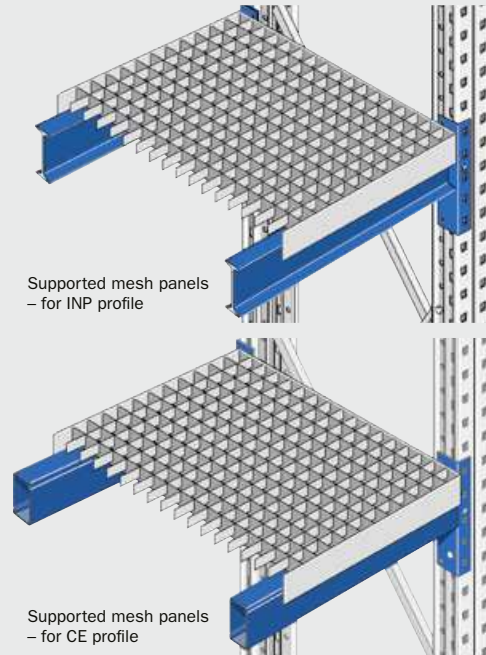
# Accessories

## Mesh panels

Placed on longitudinal beams and locked in place. Mesh size 33 x 33 mm. Two-piece for clear bay width 2,200 mm. The load specifications apply for evenly distributed loads. The variants listed are not suitable for point loads. Other versions available on request.

### Supported mesh panels for INP and CE beam profiles

Item	Frame depth (mm)	Clear bay width (mm)	Support member height (mm)	Compartment load (kg)	Order no.
FGA19-085-30-134X	850	1,900	30	1,600	162559
FGA19-110-30-134X	1,100	1,900	30	1,400	2041671
FGA19-125-35-140X	1,250	1,900	35	1,500	162581
FGA22-085-30-134X	850	2,200	30	2,000	156100
FGA22-110-30-134X	1,100	2,200	30	1,700	2041672
FGA22-125-35-140X	1,250	2,200	35	1,900	156240
FGA27-085-30-134X	850	2,700	30	2,500	156110
FGA27-110-30-134X	1,100	2,700	30	2,100	2041674
FGA27-125-35-140X	1,250	2,700	35	2,300	156250
FGA29-085-30-134X	850	2,900	30	2,700	156120
FGA29-110-30-134X	1,100	2,900	30	2,300	2041675
FGA29-125-35-140X	1,250	2,900	35	2,500	156260
FGA33-085-30-134X	850	3,300	30	3,000	156130
FGA33-110-30-134X	1,100	3,300	30	2,600	2041676
FGA33-125-35-140X	1,250	3,300	35	2,900	156270
FGA36-085-30-134X	850	3,600	30	3,300	156140
FGA36-110-30-134X	1,100	3,600	30	2,800	2041677
FGA36-125-35-140X	1,250	3,600	35	3,100	156280
FGA39-085-30-134X	850	3,900	30	3,500	156150
FGA39-110-30-134X	1,100	3,900	30	3,100	2041678
FGA39-125-35-140X	1,250	3,900	35	3,400	156290



## Sheet steel panels

C-shaped bevel. Locking in depth direction through short-side overlap of the beams. Individual or multiple covers can be used. The load specifications apply for evenly distributed loads.

Clear bay width (mm)	Panel width (mm)	Number of panels
1,900	300	5
	200	2
2,200	300	6
	200	2
2,700	300	9

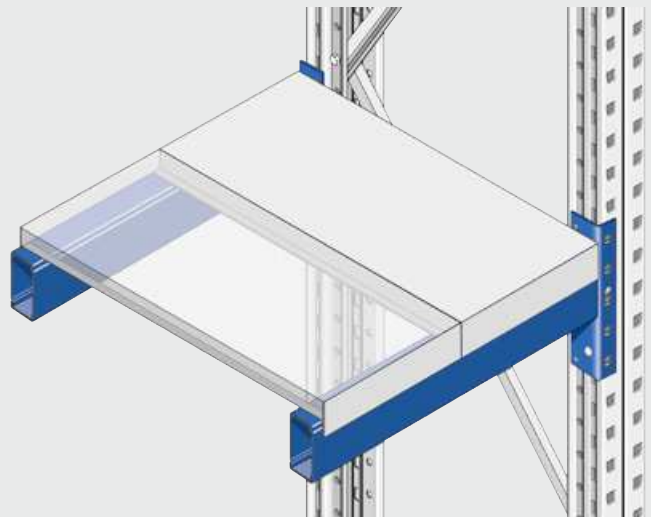
Clear bay width (mm)	Panel width (mm)	Number of panels
2,900	300	9
	200	1
3,300	300	11
3,600	300	12
3,900	300	13

### Panel width 200 mm

Item	for frame depth (mm)	Load (kg)	Order no.
FPA 20-085-40-40X	850	680	193150
FPA 20-110-40-40X	1,100	550	6701139
FPA 20-125-40-40X	1,250	460	193170

### Panel width 300 mm

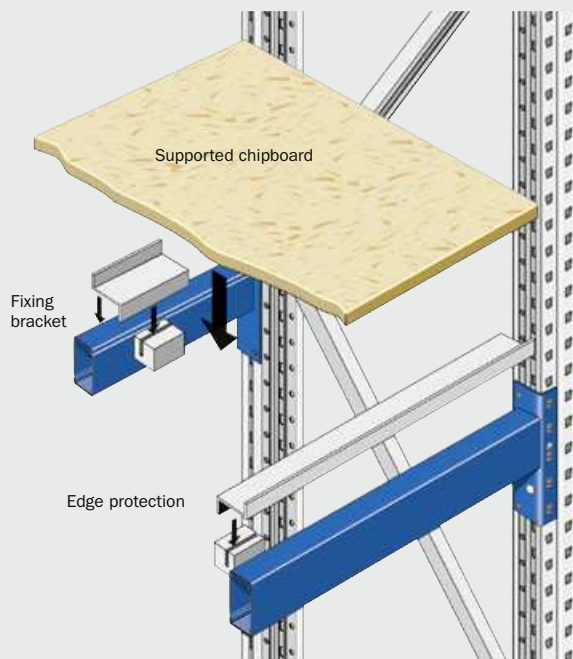
Item	for frame depth (mm)	Load (kg)	Order no.
FPA 30-085-40-30X	850	340	193110
FPA 30-085-40-50X		700	193190
FPA 30-110-40-30X	1,100	200	6701140
FPA 30-110-40-50X		630	6691258
FPA 30-125-40-30X	1,250	190	193130
FPA 30-125-40-50X		500	193210



# Accessories

## Chipboard

Placed on the profile of the INP or CE longitudinal beams. Secured against moving with fixing brackets. Two-piece for clear bay widths exceeding 3,300 mm. The load specifications apply for evenly distributed loads. The variants listed are not suitable for point loads. Other versions available on request. Surface: untreated.



### Edge protection

For 38 mm chipboard and INP/CE longitudinal beams, incl. spacers.

Item	Clear bay width (mm)	Order no.
KN 1924	1,900	308390
KN 2224	2,200	157150
KN 2724	2,700	157160
KN 2924	2,900	157170
KN 3324	3,300	157180
KN 3624	3,600	157190
KN 3924	3,900	157200

### Fixing bracket

For 38 mm chipboard and INP/CE longitudinal beams. 4 fixing brackets are required for the clear bay width 1,900 to 2,900 mm and 8 for the clear bay width 3,300 to 3,900 mm.

<b>FSHB 24</b>	Fixing bracket, incl. spacer block (plastic)	1 pc.	<b>156910</b>
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## Floor anchor

The frame needs to be anchored to ensure the stability of the pallet racking systems. M10 expansion anchors are used for a normal C20/25 concrete floor; M10 adhesive anchors are used for floors containing magnesium.



Item		Order no.
<b>BA 10 SL</b>	M 10 expansion anchor	<b>67030</b>
<b>BA 10 VA</b>	M 10 adhesive anchor	<b>67390</b>

### 38 mm thick, normal compression for INP and CE profiles

Item	Frame depth (mm)	Clear bay width (mm)	Comp. load (kg)	Order no.
<b>FSA 19-085-38-NX</b>	850	1,900	1,300	<b>669834</b>
<b>FSA 19-110-38-NX</b>	1,100	1,900	950	<b>6691186</b>
<b>FSA 19-125-38-NX</b>	1,250	1,900	600	<b>669954</b>
<b>FSA 22-085-38-NX</b>	850	2,200	1,600	<b>306850</b>
<b>FSA 22-110-38-NX</b>	1,100	2,200	1,100	<b>6689288</b>
<b>FSA 22-125-38-NX</b>	1,250	2,200	750	<b>307130</b>
<b>FSA 27-085-38-NX</b>	850	2,700	2,000	<b>306860</b>
<b>FSA 27-110-38-NX</b>	1,100	2,700	1,400	<b>6689290</b>
<b>FSA 27-125-38-NX</b>	1,250	2,700	900	<b>307140</b>
<b>FSA 29-085-38-NX</b>	850	2,900	2,200	<b>306870</b>
<b>FSA 29-110-38-NX</b>	1,100	2,900	1,500	<b>6689292</b>
<b>FSA 29-125-38-NX</b>	1,250	2,900	1,000	<b>307150</b>
<b>FSA 33-085-38-NX</b>	850	3,300	2,500	<b>306880</b>
<b>FSA 33-110-38-NX</b>	1,100	3,300	1,700	<b>6689300</b>
<b>FSA 33-125-38-NX</b>	1,250	3,300	1,100	<b>307160</b>
<b>FSA 36-085-38-NX</b>	850	3,600	2,700	<b>306890</b>
<b>FSA 36-110-38-NX</b>	1,100	3,600	1,900	<b>6689302</b>
<b>FSA 36-125-38-NX</b>	1,250	3,600	1,200	<b>307170</b>
<b>FSA 39-085-38-NX</b>	850	3,900	2,900	<b>306900</b>
<b>FSA 39-110-38-NX</b>	1,100	3,900	2,000	<b>6689304</b>
<b>FSA 39-125-38-NX</b>	1,250	3,900	1,300	<b>307180</b>

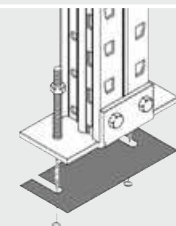
### 38 mm thick, highly compressed for INP and CE profiles

Item	Frame depth (mm)	Clear bay width (mm)	Comp. load (kg)	Order no.
<b>FSA 19-085-38-HX</b>	850	1,900	2,100	<b>669864</b>
<b>FSA 19-110-38-HX</b>	1,100	1,900	1,500	<b>6691226</b>
<b>FSA 19-125-38-HX</b>	1,250	1,900	1,000	<b>669984</b>
<b>FSA 22-085-38-HX</b>	850	2,200	2,600	<b>306920</b>
<b>FSA 22-110-38-HX</b>	1,100	2,200	1,900	<b>6689289</b>
<b>FSA 22-125-38-HX</b>	1,250	2,200	1,300	<b>307200</b>
<b>FSA 27-085-38-HX</b>	850	2,700	3,200	<b>306930</b>
<b>FSA 27-110-38-HX</b>	1,100	2,700	2,300	<b>6689291</b>
<b>FSA 27-125-38-HX</b>	1,250	2,700	1,600	<b>307210</b>
<b>FSA 29-085-38-HX</b>	850	2,900	3,500	<b>306940</b>
<b>FSA 29-110-38-HX</b>	1,100	2,900	2,500	<b>6689293</b>
<b>FSA 29-125-38-HX</b>	1,250	2,900	1,700	<b>307220</b>
<b>FSA 33-085-38-HX</b>	850	3,300	4,000	<b>306950</b>
<b>FSA 33-110-38-HX</b>	1,100	3,300	2,800	<b>6689301</b>
<b>FSA 33-125-38-HX</b>	1,250	3,300	1,900	<b>307230</b>
<b>FSA 36-085-38-HX</b>	850	3,600	4,000	<b>306960</b>
<b>FSA 36-110-38-HX</b>	1,100	3,600	3,100	<b>6689303</b>
<b>FSA 36-125-38-HX</b>	1,250	3,600	2,100	<b>307240</b>
<b>FSA 39-085-38-HX</b>	850	3,900	4,000	<b>306970</b>
<b>FSA 39-110-38-HX</b>	1,100	3,900	3,300	<b>6689305</b>
<b>FSA 39-125-38-HX</b>	1,250	3,900	2,300	<b>307250</b>

## Base shims

To compensate for uneven ground, galvanized.

Item	Thickness (mm)	Support profile	Order no.
<b>AP 60.91</b>	1	P73 - P95	<b>143150</b>
<b>AP 60.92</b>	2	P73 - P95	<b>155010</b>



## Insulation plates

Insulation plates made of plastic are needed for each rack support in order to prevent corrosion on floors containing magnesium.

<b>IP 60.91</b>	1	P73 - P95	<b>155020</b>
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Order no. = on stock



**Security regulations**

Fixed racks that are served by non-track-bound ground conveyors require adequate protection against damage to the rack frame on the corners and gangways

# Safety accessories for pallet racking systems

**Corner protector**

Sturdy, angle profile with strong floor plate, including an anchor for attachment to the hall floor.

ES 400 K corner protector



Item	Height (mm)	Order no.
ES 400 K	400	8007268

**Guard**

To protect the rack supports against being damaged by ground conveyors, 155 mm wide, U-shaped, including 4 floor anchors.

Guard



Item	Height (mm)	for support profile	Order no.
AS 400/6-1	400	P 73 - P 95	8009384
AS 400/6-2	400	P 113 - P 215	8009387

**Upright protector**

For reinforcing the front rack supports and as a protection against damage, 750 mm high, including fixing kit. Plastic version on request.

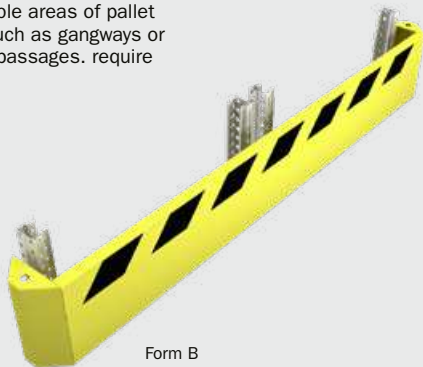
Upright protector



Item	for support width (mm)	Height (mm)	for support profile	Order no.
STS 75-6-400	75	400	P 75	8007537
STS 75-6-750		750	P 75	8007533
STS 90-6-400	90	400	P 90	8007538
STS 90-6-750		750	P 90	8007534
STS 100-6-400	100	400	P 100	8007539
STS 100-6-750		750	P 100	8007535
STS 120-6-400	120	400	P 120	8007540
STS 120-6-750		750	P 120	8007536

**Buffer**

Particularly vulnerable areas of pallet racking systems, such as gangways or heavily frequented passages, require sturdy buffers.

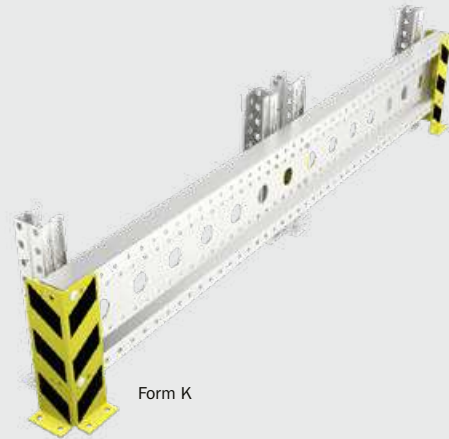


Form B

**Form B**

400 mm high, 265 mm wide, including floor anchors.

Item	for frame depth (mm)	Order no.
RS4B 085	850	8003854
RS4B 110	1.100	8003864
RS4B 125	1.250	8003869
RS4B 180	1.800	8003874
RS4B 220	2.200	8003879
RS4B 230	2.300	8003884
RS4B 235	2.350	8003889
RS4B 240	2.400	8003894
RS4B 245	2.450	8003899
RS4B 250	2.500	8003904
RS4B 255	2.550	8003909
RS4B 260	2.600	8003914



Form K

**Form K**

With a sturdy C-Sigma profile, 400 mm high, 159 mm wide, including floor anchor, with additional support above 1,800 mm long.

Item	for frame depth (mm)	Best.-Nr.
RS 0854 K	850	8009062
RS 1054 K	1.050	8009063
RS 1104 K	1.100	8009064
RS 1254 K	1.250	8009065
RS 1804 K	1.800	8009068
RS 2204 K	2.200	8009070
RS 2304 K	2.300	8009071
RS 2354 K	2.350	8009072
RS 2404 K	2.400	8009073
RS 2454 K	2.450	8009074
RS 2504 K	2.500	8009075
RS 2554 K	2.550	8009076
RS 2604 K	2.600	8009077



# Safety accessories for pallet racking systems

## Mesh back panel cladding

The rear sides of free-standing racks must be secured to prevent the loading units from falling out. Observe the applicable safety regulations or ask our technical consultants.

The mesh back panels are made of mesh mats with defined lengths and heights. They are combined depending on the rack height and clear bay widths. The mesh spacing is 100 x 50 mm. A GRM mesh segment consists of 2 C-profiles and the necessary mesh mats. Depending on the number of mesh mats, mesh connectors and compensating rods are required to secure the bracket sets (including fixing kit) – please order separately.

Spacing: 180 mm outer edge of the rack supports – GRM inner edge;  
220 mm outer edge of the rack supports – inner edge GRM.

## Ordering example

### For 3,600 mm high rack you require:

1 723 mm high mesh segment height 723 mm and  
2 1,273 mm high mesh segments.

### For a 3,600 mm high pallet racking and the bay width 3,900 mm order:

1x GRM-3907, 2x GRM-3912, 4x bracket set,  
4x compensating rods, 4x mesh connectors



Rack height in mm	2,500	3,000	3,600	4,100	4,700	5,200	5,800	6,300	6,900	7,400
Lower dimension in mm	345	45	45	45	45	45	45	45	45	45
The number of required mesh segments										
H 773 mm	1	2	1	2	1	–	1	–	2	–
H 1,173 mm	–	–	–	2	2	1	4	3	1	5
H 1,273 mm	1	1	2	–	1	3	–	2	3	1
No. of console sets	3	4	4	5	5	5	6	6	7	7
No. of compensating rods	2	2	4	4	4	4	6	6	6	6

### Mesh segment height 773 mm

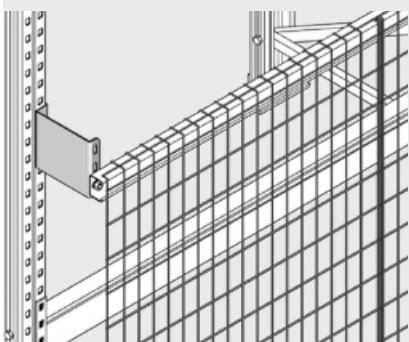
Item	Clear bay width (mm)	Order no.
GRM-0907	900	6686319
GRM-1107	1,100	6686320
GRM-1307	1,300	6686321
GRM-1907	1,900	6686886
GRM-2207	2,200	6686329
GRM-2707	2,700	6686330
GRM-2907	2,900	6686331
GRM-3307	3,300	6686332
GRM-3607	3,600	6686333
GRM-3907	3,900	6686334

### Mesh segment height 1,173 mm

Item	Clear bay width (mm)	Order no.
GRM-0911	900	6686322
GRM-1111	1,100	6686323
GRM-1311	1,300	6686324
GRM-1911	1,900	6686910
GRM-2211	2,200	6686337
GRM-2711	2,700	6686338
GRM-2911	2,900	6686339
GRM-3311	3,300	6686340
GRM-3611	3,600	6686341
GRM-3911	3,900	6686342

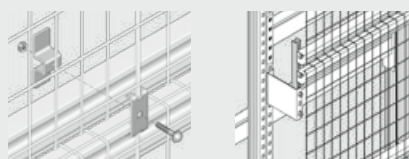
### Mesh segment height 1,273 mm

Item	Clear bay width (mm)	Order no.
GRM-0912	900	6686325
GRM-1112	1,100	6686326
GRM-1312	1,300	6686327
GRM-1912	1,900	6686934
GRM-2212	2,200	6686345
GRM-2712	2,700	6686346
GRM-2912	2,900	6686347
GRM-3312	3,300	6686348
GRM-3612	3,600	6686349
GRM-3912	3,900	6686350



### Console set (incl. fixing kit)

Item	Length (mm)	Frame depth (mm)	Order no.
<b>without consideration of a end stop</b>			
GRM-K2-060-S	60	850, 1,250	6690045
GRM-K2-130-S	130	1,100	6690046
<b>with consideration of a end stop</b>			
GRM-K2-180-S	180	850, 1,250	6690047
GRM-K2-340-S	340	1,100	6690050

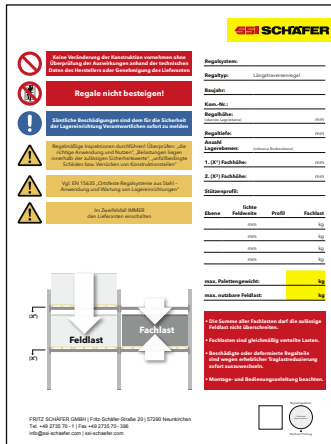
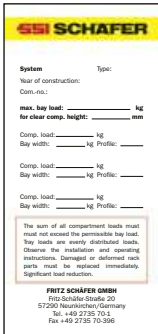


Item	Order no.
<b>Mesh connector</b> (see table above)	
GRM-GVS	6687406
<b>Compensating rods</b> (incl. fixing kit)	
GRM-ASS	6686298

Order no. = on stock

**Mandatory labeling**

The regulations of the trade associations demand labeling of rack facilities with all the necessary load specifications

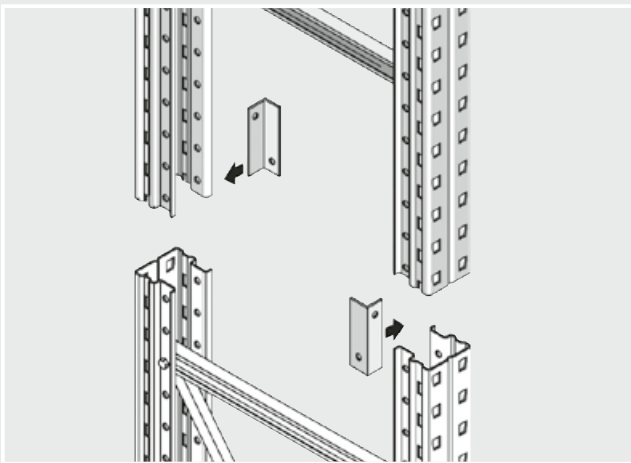


# Safety accessories for pallet racking systems

**Load signs**

Item	W x H (mm)	Material	Order no.
<b>PRTS 7050 LTR</b>	450 x 600	Aluminum, incl. fixing kit	<b>992305*</b>
<b>TS 0615</b>	60 x 150	PVC adhesive film	<b>157300*</b>

\* The technical data is defined via a time sheet. It is offered and invoiced as part of the price of the sign.



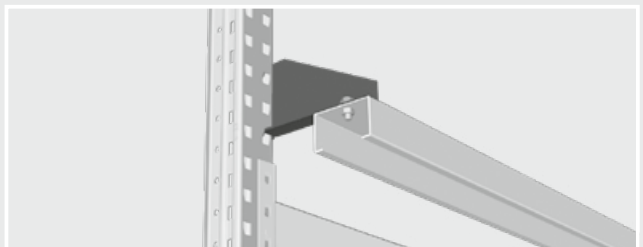
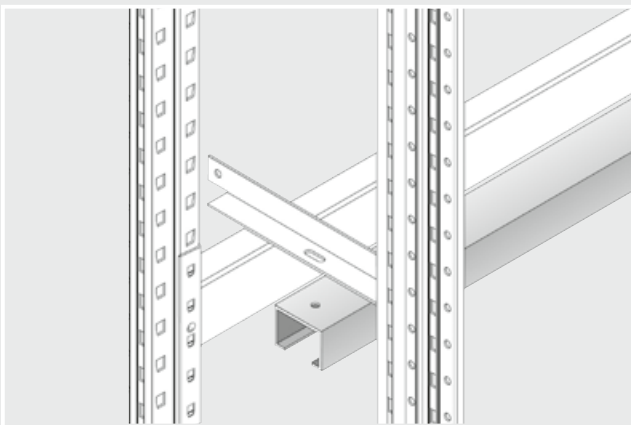
**Frame extension at row end**

Protects against lower units from falling out of the sides, 500 mm high including fixing kit.

Surface: Galvanized.

**Note:** Frame extensions at row end cannot be used in conjunction with mesh back panels.

Artikel	Frame profil (mm)	Frame depth (mm)	Order no.
<b>AN 68</b>	75	850	<b>34870</b>
<b>AN 98</b>	90	850	<b>34860</b>
<b>AN 611</b>	75	1.100	<b>on req.</b>
<b>AN 911</b>	90	1.100	<b>on req.</b>
<b>AN 62</b>	75	1.250	<b>34890</b>
<b>AN 92</b>	90	1.250	<b>34850</b>



**Accessories for end stops for single-row racks**

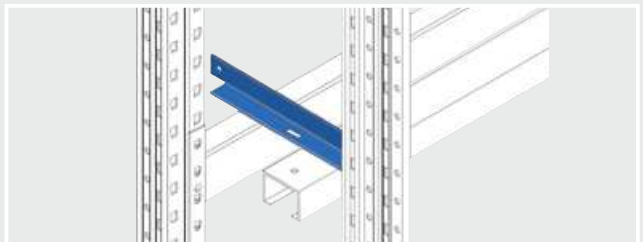
Single-row racks require 2 brackets with 126 mm spacing for each end stop.

Item	for frame depth (mm)	Order no.
<b>DSC-K110</b>	1,100	<b>6689689</b>

**End stops**

Double-row racks require end stops if the distance between the loading aids or the load unit is less than 100 mm. On single-row racks, end stops prevent the load units from unintentionally falling out. Depending on the requirements, a 60 or 100 mm wide profile can be used.

Item	Clear bay width (mm)	Profile	Order no.
<b>DSC060FW1900</b>	1,900	C 60/40	<b>6689260</b>
<b>DSC060FW2300</b>	2,300	C 60/40	<b>6689264</b>
<b>DSC060FW2700</b>	2,700	C 60/40	<b>6689268</b>
<b>DSC100FW2900</b>	2,900	C 100/60	<b>6689270</b>
<b>DSC100FW3300</b>	3,300	C 100/60	<b>6689274</b>
<b>DSC100FW3600</b>	3,600	C 100/60	<b>6689277</b>
<b>DSC100FW3900</b>	3,900	C 100/60	<b>6689280</b>



**Accessories for end stops for double-row racks**

For double-face rack rows require 2 spacers as brackets for each end stop.

Further information is available on **page C9**.

Modular shelving

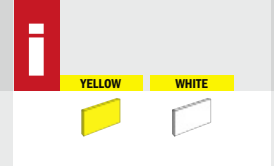
Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support



# Storage and storage space marking

The potentials for accelerating logistics processes and, thus, permanently reducing costs are extremely high.

Both manual and computer-controlled warehouses can be optimized with visual warehouse organization procedures and systems.

Rapid and safe storage, retrieval and relocation significantly enhance the employees' productivity. Pickers and forklift drivers are guided to the right location in the shortest possible time.

The solution is a clearly understandable guidance system that can be implemented quickly and easily. At the same time, the investment to install the visual warehouse organization is particularly low.

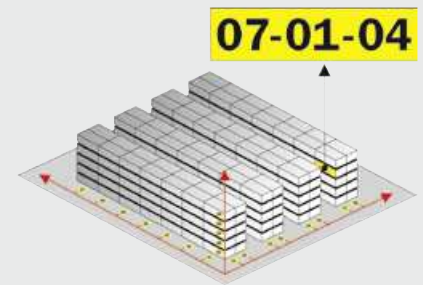
Systematic numbering of all storage spaces and the number key form the basis and the prerequisite for efficient warehouse organization.

Each storage space is the signed a unique and unmistakable code, which consists of at least three coordinates: rack row, longitudinal position and height position.

Additional information can also be printed on the labels such as storage areas, check digits, barcodes and position arrows.

A diverse range of fonts, colors and sizes for signs, labels, label holders and ground markings are available.

Please inquire if you would like a version that is not listed here.



## Further versions

on request



**Storage space labels**

Self-adhesive polyethylene film,  
Color: yellow, lettering: black,  
up to 8 characters including separators.  
Minimum order quantity: 100 pieces.

**Quantity scale: 1 – 1,999 pieces**

Item	W x H (mm)	Order no.
R SK 1230 SG	120 x 30	189900
R SK 1438 SG	140 x 38	189901
R SK 2265 SG	220 x 65	189902

from 2,000 units on request

**Storage space labels**

Self-adhesive polyethylene film,  
Color: white, lettering: black,  
up to 8 characters including separators.  
Minimum order quantity: 100 pieces.

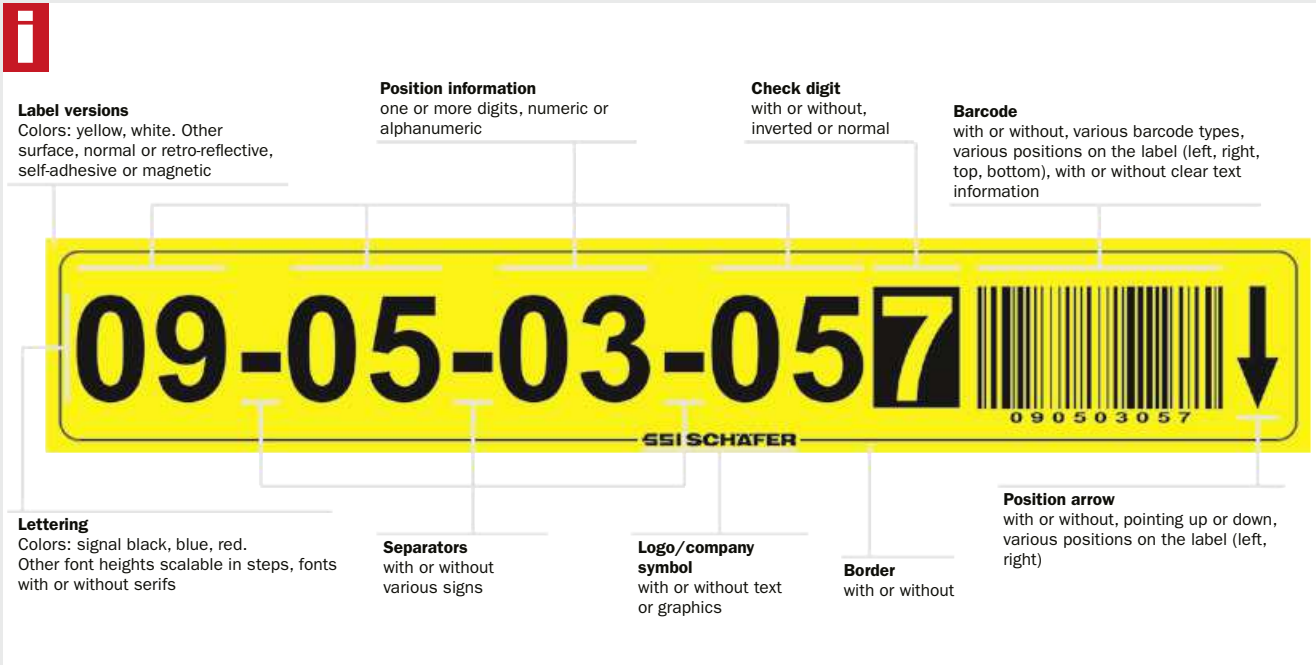
**Quantity scale: 1 – 1,999 pieces**

Item	W x H (mm)	Order no.
R SK 1230 SW	120 x 30	189903
R SK 1438 SW	140 x 38	189904
R SK 2265 SW	220 x 65	189905

from 2,000 units on request

Order no. = on stock

# Storage and storage space marking



## Storage space labels

Self-adhesive polyethylene film,  
Color: yellow, lettering: black,  
up to 8 characters including separators,  
additionally with barcode.  
Minimum order quantity: 100 pieces.



### Quantity scale: 1 – 1,999 pieces

Item	W x H (mm)	Order no.
R SK 1230 SGB	192 x 38	189906
R SK 1438 SGB	224 x 38	189907
R SK 2265 SGB	380 x 65	189908

from 2,000 units on request



## Storage space labels

Self-adhesive polyethylene film,  
Color: white, lettering: black,  
up to 8 characters including separators,  
additionally with barcode.  
Minimum order quantity: 100 pieces.



### Quantity scale: 1 – 1,999 pieces

Item	W x H (mm)	Order no.
R SK 1230 SWB	192 x 38	189909
R SK 1438 SWB	224 x 38	189910
R SK 2265 SWB	380 x 65	189911

from 2,000 units on request



Modular shelving

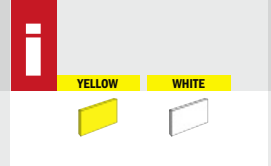
Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support



# Storage and storage space marking



### Floor markings

For the identification of pallet and (block) storage areas or driving and walking lanes, self-adhesive, thickness: 0.3 mm, color: yellow.

Item	Forms	PU	Order no.
R BM K	Circle	1	189917
R BM R	Circular blank	50	189918
R BM T	T-piece	10	189919
R BM KR	Cross	1	189920
R BM E	Corner piece with label	10	189921
			on req.



### Rack row signs

Made of PVC, impact-resistant, color: yellow, Font: black, up to 2 characters, including fixing kit.

Item	W x H (mm)	Order no.
R RZ 2020	200 x 200	189912
R RZ 3030	300 x 300	189913
R RZ 5050	500 x 500	189914



### Rack row angle sign

Made of PVC, impact-resistant, color: yellow, Font: black, up to 3 characters, including fixing kit.

Item	Length (mm)	Order no.
R RW 30300	300 x 300	189915



### Label holder

Self-adhesive plastic label holders, total height 33 mm (for label height 30 mm). Without label inserts.

Item	Length (mm)	Order no.
K EH 0880	780	442518
K EH 1080	980	442538
K EH 1280	1,180	442558
K EH 1350	1,250	442565
K EH 1800	1,700	442610
K EH 2200	2,100	442650
K EH 2700	2,600	442700



### Push-in label

Pre-perforated labels made of 120 g/m<sup>2</sup> paper, white, 20 labels on one DIN A4 sheet for self printing. Label format: 100 x 30 mm.

Item	Format (form)	Order no.
R EE 1030	DIN A4	189916

### OPERATING NOTE

- Employees must be informed about and trained in the correct operation of the equipment.
- The permissible loads on the rack type plates must not be exceeded.
- Changes to the rack structure influence the load bearing capacity of the equipment. The effects must be examined and the supplier consulted.
- Damaged or deformed rack parts must be replaced immediately as their load bearing capacity is significantly reduced.
- Pallets, boxes or other loading equipment must be checked to ensure that it is in safe condition and replaced if damage is found.

FRITZ SCHÄFER GMBH  
Fritz-Schäfer-Straße 20 · 57290 Neunkirchen/Germany  
Tel. +49 2735 70-1 · Fax +49 2735 70-694

### SAFETY NOTE

Please report all damage for safety purposes.

Responsible safety officer: \_\_\_\_\_

FRITZ SCHÄFER GMBH  
Fritz-Schäfer-Straße 20 · 57290 Neunkirchen/Germany  
Tel. +49 2735 70-1 · Fax +49 2735 70-694

### Operating note / Safety note

FEM regulations for storage facilities.

Made of aluminum composite, W 420 x H 600 mm, multi-colored printing, incl. fixing kit.

Item	Order no.	Item	Order no.		
TS 7050 BH	Operating note	992305	TS 7050 SH	Safety note	992305

Order no. = on stock






# Cantilever racking for long material storage

When it comes to storing long or bulky goods, cantilever racking systems are the right solution. A wide range of products can be stored: light plastic tubes, heavier steel pipes and profiles, timber boards up to massive coils.

Perfectly tailored: SSI SCHAEFER's expert consultants help to develop concepts for special long materials or particular site conditions.

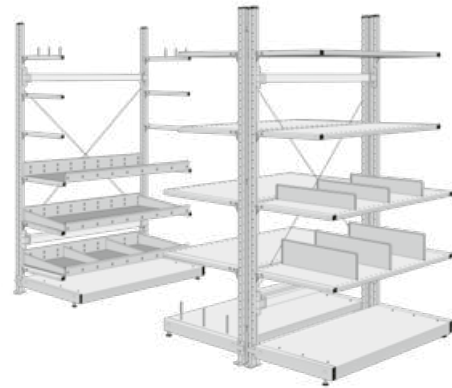
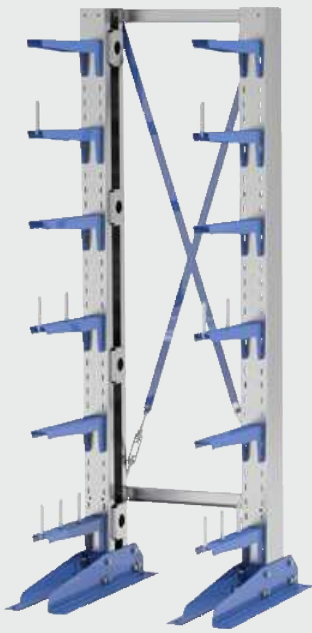
Cantilever rack uprights can be supplied for single- or double-sided storage. Any required row length can be done.

Adjustable cantilever arms allow easy adaption to different storage heights and load requirements. SSI SCHAEFER may offer diverse accessories, depending on the goods to be stored.

 Information regarding **inspection requirements**  
for **rack systems**

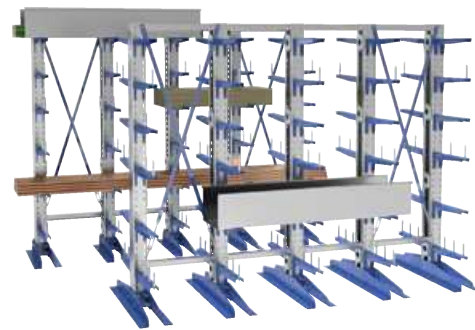
Chapter **F**, page **F4**





KR 3000 cantilever racking

page D4



KRM cantilever racking

page D8



KRS cantilever racking

page D12

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

# Overview of cantilever racking systems

<b>KR 3000 cantilever racking</b>	
Areas of use	On-line shelving and storage of light and bulky materials
Advantages	<ul style="list-style-type: none"> <li>▶ Assembly with dividing pins, shelves or storage trays</li> <li>▶ Double-row racks constructed out of free-standing racks placed back-to-back and 3 frame connectors</li> <li>▶ Unique upright profile</li> <li>▶ Beams are installed without any play due to the conical grooves on both short sides</li> </ul>
System	▶ Free upright design
Design	▶ Expansion bay design; proportionally reduces the carrying capacity per rack bay
System hole pattern	▶ 53 : 53 mm
Load-bearing capacity	▶ up to 150 kg per side and upright, incl. base, up to 50 kg per cantilever arm
Support profiles/ horizontal braces	▶ Galvanized
Cantilever arms	▶ Galvanized
Shelves	▶ Light silver



from pages

**D4**

**KRM cantilever racking**

Storage of pipes, profiles or long, bulky materials

- ▶ Easy assembly with only a few components
- ▶ Single- or double-face racks
- ▶ Attachable cantilever arms, enabling adjustment without tools
- ▶ Robust construction
- ▶ Solid foot plate
- ▶ Bolted upright design
- ▶ Bolting system: Uprights are bolted together horizontal braces to form rack rows and reinforced with cross braces in every 4th bay
- ▶ 50 : 50 mm
- ▶ up to 2,300 kg per upright side with uniform height division
- ▶ Galvanized
- ▶ Painted RAL 5010, Gentian Blue



D8

**KRS cantilever racking**

Storage of heavy, bulky materials and goods. Universally usable inside buildings, for manual or automatic operation, stationary or mobile installations possible

- ▶ Easy assembly with only a few components
- ▶ Single- or double-face racks
- ▶ Bolted cantilever arms
- ▶ Robust construction
- ▶ Bolted upright design
- ▶ Bolting system: Uprights are bolted together horizontal braces to form rack rows and reinforced with cross braces in every 4th bay
- ▶ 100 : 100 mm
- ▶ up to 14,000 kg per upright side with uniform height division
- ▶ Painted RAL 7037, Dust Gray
- ▶ Painted RAL 5010, Gentian Blue



D12

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

## KR 3000 cantilever racking



The KR 3000 cantilever rack system from SSI SCHAEFER allows for quick and smooth location adjustments. Each side can support loads up to 300 kg with the starter bay design.

The cantilever arms with an insertion angle of 10° can be adjusted in 53 mm steps. They can be fitted with divider pins or serve as a supports for shelves and storage trays.

All rack levels can support loads of up to 100 kg with the starter bay design.

The double-row rack is made of racks positioned one behind the other. Additionally, they are stabilized with two frame connectors. The racks can also be configured with expansion bay design. In this case, it must be considered that the load carrying capacity of each rack bay decreases proportionally.





# KR 3000 system design

- ▶ **Load-bearing capacity**  
Up to 150 kg per side and upright, incl. base, up to 50 kg per cantilever arm
- ▶ **Height adjustable in steps of 53 mm**  
Cantilever brackets with insertion angle of 10°
- ▶ **System design**  
Cantilever racking construction
- ▶ **Expansion bay design**  
Proportionally reduces the load capacity per rack bay
- ▶ **Areas of use**  
On-line shelving and storage of light and bulky materials
- ▶ **Can be equipped with divider pins, shelves or storage trays**
- ▶ **Double-row racks**  
Constructed out of racks placed next to each other and 3 frame connectors
- ▶ **Special upright profile**
- ▶ **Beams are installed without any play**  
due to the conical grooves on both short sides



Cantilever upright with foot profile

Dividing pins  
page D7

Cantilever arms  
page D7

Tray (without divider)  
page D7

Tray (with divider)  
page D7

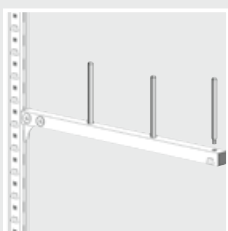
Beams

Cross brace

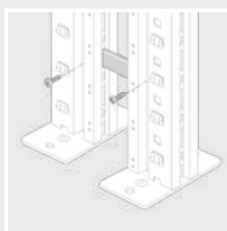
Frame connector  
page D7

Free-standing dividers  
Chapter A, page A12

Base shelf

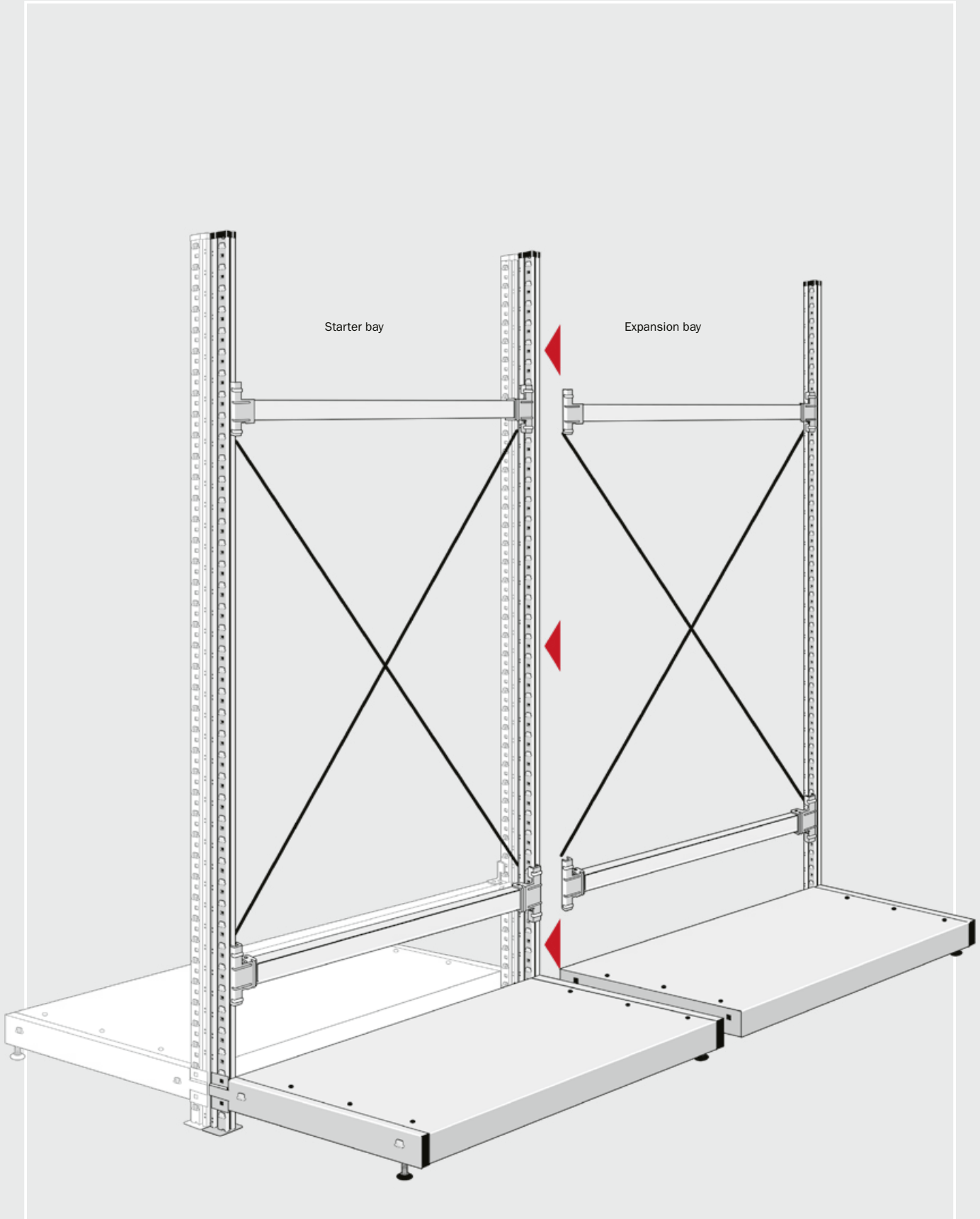


Dividing pins



Frame connector

# Rack components





# Rack components and accessories

LIGHT SILVER

GALVANIZED



Shelves



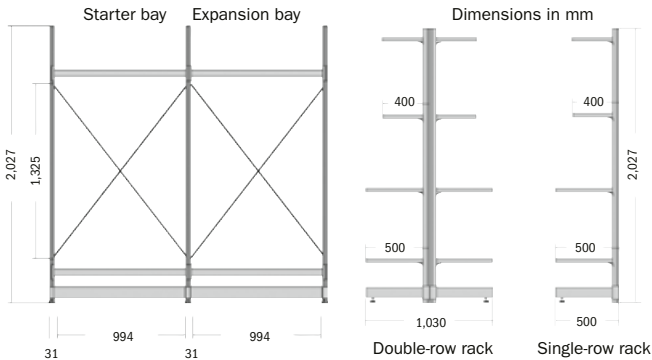
Dividing pins  
Cantilever brackets  
Frame connector  
Trays

► **Shelves**

The maximum load-carrying capacity can only be used with the starter bay design

► **Starter bay/expansion bay**

Clear bay width 994 mm



**Starter bay**

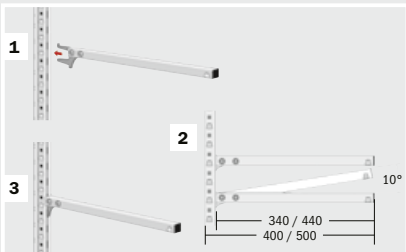
2 uprights with foot – single sided, 2 beams, 1 cross brace, 1 base shelf.

Item	Width (mm)	Height (mm)	Order no.
FR 31020 G	994	2,027	145690

**Expansion bay**

1 upright with foot – single sided, 2 beams, 1 cross brace, 1 base shelf.

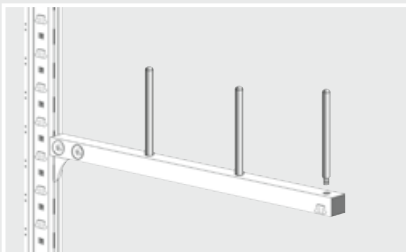
Item	Width (mm)	Height (mm)	Order no.
FR 31020 A	994	2,027	145700



**Cantilever arms**

Sheet steel, galvanized. For attaching shelves and trays. Load capacity 50 kg.

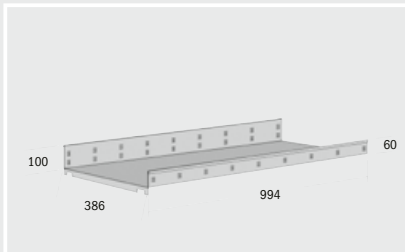
Item	Rack depth (mm)	Usable depth (mm)	Order no.
KK 34050	400	340	145740
KK 35050	500	440	145760



**Dividing pins**

Steel, galvanized. Dividing pins for partitioning the cantilever arms.

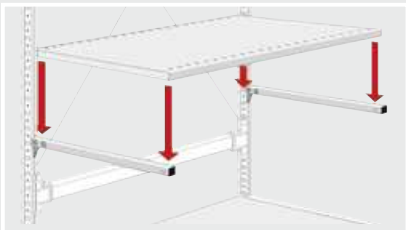
Item	Order no.
AST 3100	145770



**Tray**

Sheet steel, galvanized. External depth 400 mm, internal 386 mm. Load-bearing capacity of 50 kg per storage level.

Item	Order no.
LW 31010	Tray 145790
LWT 386/2386	Divider 18220

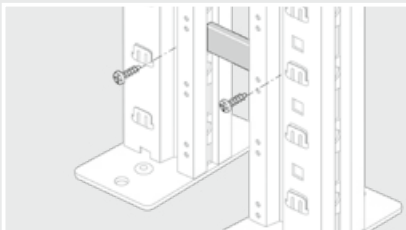


**Shelves**

Sheet steel, powder-coated light silver. 30 mm high. The shelves feature rows of slots with a 41 mm spacing. Free-standing dividers can be inserted into the slots for lengthwise partitioning.

**Note:** The maximum load capacity can only be used with the starter bay design.

Item	Rack depth (mm)	Order no.
ZB 4413 L	400	27010
ZB 4513 L	500	27030

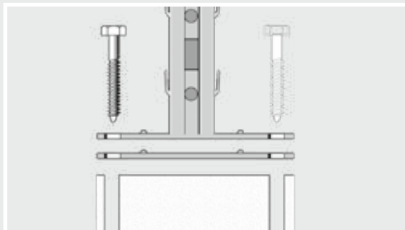


**Frame connector**

Sheet steel, galvanized. For connecting double-row rack bays. 30 mm spacing.

Incl. fixing kit.

Item	Order no.
RV 3030	147090



**Floor fixing**

Screw anchor for anchoring the racks to the floor.

Item	Order no.
HUS3-H6x60	6671728

Order no. = on stock

**Clear bay width 1,282 mm and further accessories** on request

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

## Cantilever racking for light to medium loads

No tools are required to adjust the position of the cantilever arms. The hooked cantilever arms allow quick adaption to periodically varying heights of goods to be stored. The KRM cantilever racking system is the right choice for single- or double-sided storage, partitioning the cantilever arm or using storage trays.



GALVANIZED

GENTIAN BLUE



Cantilever upright



Feet,  
Cantilever arms

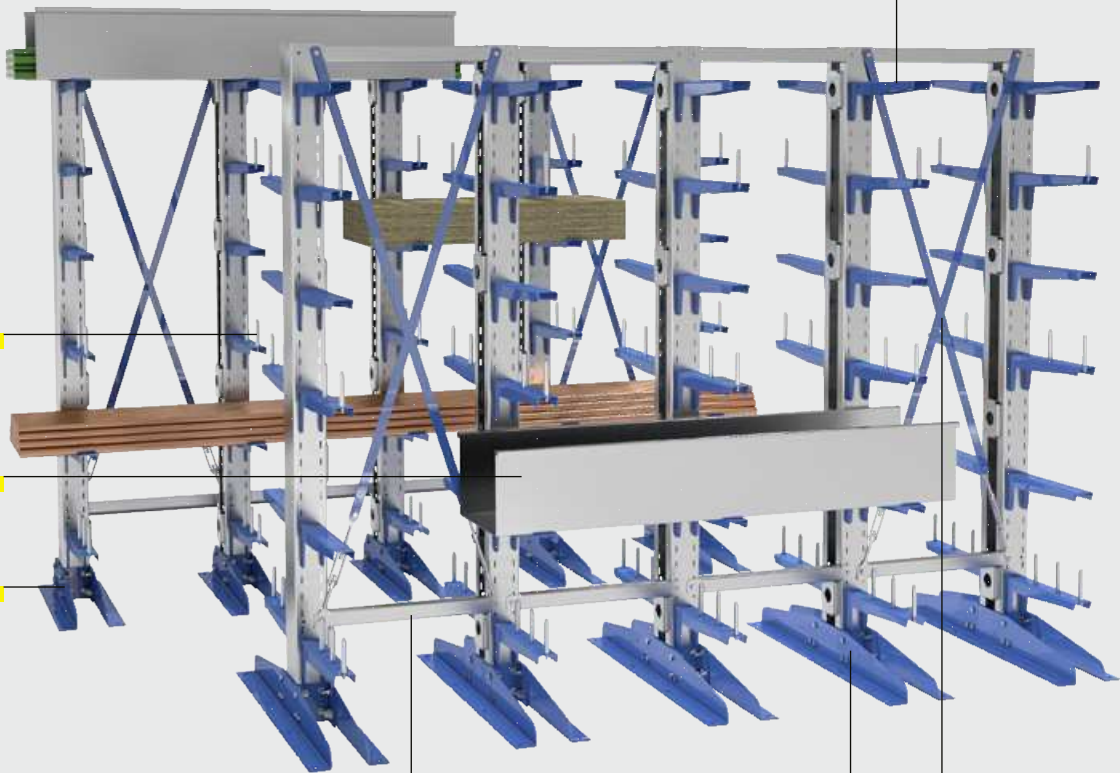
RAL 5010

- ▶ **Load-bearing capacity**  
Up to 2,300 kg per rack side with uniform height division
- ▶ **System hole pattern**  
adjustable in steps of 50 mm
- ▶ **Bolting system**  
Uprights are connected by horizontal braces and reinforced by cross braces every 4th rack bay
- ▶ **On-line racking and storage**  
of pipes, profiles or long, bulky materials
- ▶ **Easy assembly**  
with only a few components
- ▶ **Single- or double-sided racks**
- ▶ **Hooked-in cantilever arms**  
enable tool-free height adjustment
- ▶ **Robust construction**
- ▶ **Sturdy base**

## KRM system design



Cantilever arms  
page D10



Dividing pins  
page D11

Storage trays  
page D11

Cantilever upright  
(single-sided)  
page D10

Horizontal braces  
page D10

Cantilever uprights  
(double-sided)  
page D10

Cross braces  
page D11



Load sign



Cantilever arm



Dividing pins



Storage tray



Horizontal brace

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support



# KRM cantilever uprights and accessories

**GALVANIZED**



Cantilever upright

**GENTIAN BLUE**



Feet, Cantilever arms

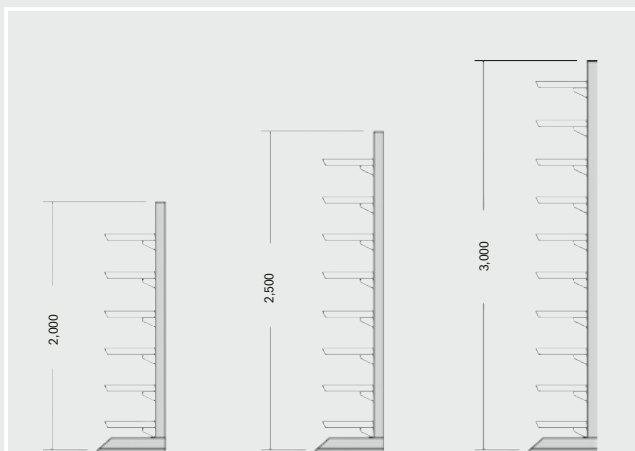
**RAL 5010**

### Uprights

Load specification below applicable at uniform height distribution of cantilever arms

### Cantilever arms

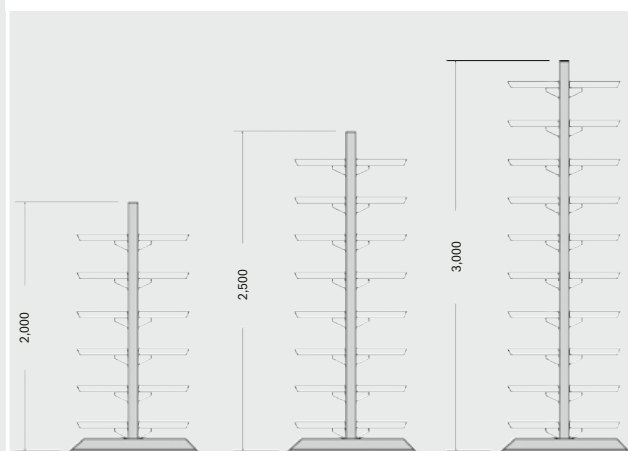
Load specification below applicable at uniformly distributed load



### Uprights, single-sided

Steel, galvanized. Height adjustment pattern 50 : 50 mm, foot profiles made of angled profiles in Gentian Blue RAL 5010 allowing a uniform distribution of the load on the floor. 2 horizontal braces are required to connect the cantilever uprights.

Item	Upright height (mm)	Usable depth (mm)	Total depth (mm)	Load (kg)	Order no.
KRM-KASE200400	2,000	400	700	2,300	6689906
KRM-KASE200500		500	800	1,900	6689907
KRM-KASE200600		600	900	1,650	6689908
KRM-KASE200800		800	1,100	1,200	6689909
KRM-KASE250400	2,500	400	700	2,150	6689910
KRM-KASE250500		500	800	1,750	6689911
KRM-KASE250600		600	900	1,500	6689912
KRM-KASE250800		800	1,100	1,000	6689913
KRM-KASE300400	3,000	400	700	2,000	6689914
KRM-KASE300500		500	800	1,600	6689915
KRM-KASE300600		600	900	1,350	6689916
KRM-KASE300800		800	1,100	950	6689917



### Uprights, double-sided

Steel, galvanized. Height adjustment pattern 50 : 50 mm, foot profiles made of angled profiles in Gentian Blue RAL 5010 allowing a uniform distribution of the load on the floor. 2 horizontal braces are required to connect the cantilever uprights.

Item	Upright height (mm)	Usable depth (mm)	Total depth (mm)	Load (kg/side)	Order no.
KRM-KASD200400	2,000	400	1,040	2,300	6689918
KRM-KASD200500		500	1,240	1,900	6689919
KRM-KASD200600		600	1,440	1,650	6689920
KRM-KASD200800		800	1,840	1,200	6689921
KRM-KASD250400	2,500	400	1,040	2,150	6689922
KRM-KASD250500		500	1,240	1,750	6689923
KRM-KASD250600		600	1,440	1,500	6689924
KRM-KASD250800		800	1,840	1,000	6689925
KRM-KASD300400	3,000	400	1,040	2,000	6689926
KRM-KASD300500		500	1,240	1,600	6689927
KRM-KASD300600		600	1,440	1,350	6689928
KRM-KASD300800		800	1,840	950	6689929



### Horizontal braces

Steel, galvanized. 2 horizontal braces required to connect cantilever uprights.

Item	Center distance (mm)	Order no.
KRM-LV06	600	6689930
KRM-LV08	800	6689931
KRM-LV10	1,000	6689932
KRM-LV12	1,250	6689933
KRM-LV15	1,500	6689934



### Cantilever arms

Steel, painted: Gentian Blue, RAL 5010. Adjustable without tools, adjusting pattern 50 : 50 mm, including holes for dividing pins.

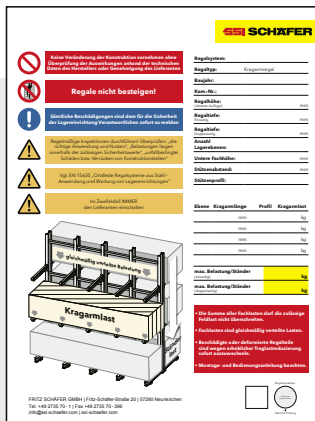
Item	Cantilever arm length (mm)	Load (kg)	Order no.
KRM-KA400	400	350	6689902
KRM-KA500	500	300	6689903
KRM-KA600	600	250	6689904
KRM-KA800	800	180	6689905

Order no. = on stock

# KRM accessories

## Mandatory labeling

The regulations of the trade associations demand labeling of rack installations with all the necessary load specifications



## Load signs

Item	Width (mm)	Height (mm)	Type	Order no.
KRTS 7050	450	600	Aluminum, incl. fixing kit.	on req.*
TS 0615	60	150	PVC adhesive film	on req.*

\* The technical data necessary for the load sign would be researched on hourly base and invoiced together with load sign cost.

## Floor anchor

Cantilever racks are fixed to floor by expansion anchors to ensure stability. For single-sided cantilever racking 6, for double-sided cantilever racking 6 pieces are required.



Item	Order no.
BA 10 SL   M 10 expansion anchor	67030



## Dividing pins

Steel, galvanized. Made of tube profile, including screw fastening.

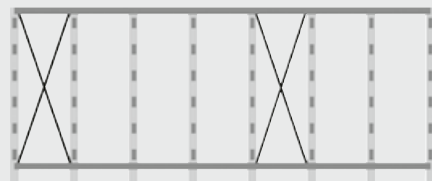
Item	Usable height (mm)	Order no.
KED 105	50	124250
KED 110	100	124260
KED 115	150	124270



## Storage trays

Sheet steel, galvanized, 250 mm high. For storing of residual pieces, plastic pipes, hoses, etc.

Item	For usable depth/ cantilever arm length (mm)	Internal width (mm)	Length (mm)	Panel thickness (mm)	Order no.
KLW 1542	400	360	1,500	2.0	124510
KLW 2042			2,000	2.0	124130
KLW 2043			2,000	3.0	124520
KLW 2543			2,500	3.0	124530
KLW 1552	500	460	1,500	2.0	124540
KLW 1553			1,500	3.0	124550
KLW 2053			2,000	3.0	124560
KLW 2553			2,500	3.0	124570
KLW 1563	600	560	1,500	3.0	124580
KLW 2063			2,000	3.0	124210
KLW 2563			2,500	3.0	124590



## Cross braces

Steel, painted: Gentian Blue, RAL 5010. Cross braces are required for every fourth rack bay in order to stabilize the racks. Includes fixing kit.

Item	Center distance (mm)	Upright height (mm)	Order no.
KRM-KVB200060	600	2,000	6689935
KRM-KVB250060		2,500	6689940
KRM-KVB300060		3,000	6689945
KRM-KVB200080	800	2,000	6689936
KRM-KVB250080		2,500	6689941
KRM-KVB300080		3,000	6689946
KRM-KVB200100	1,000	2,000	6689937
KRM-KVB250100		2,500	6689942
KRM-KVB300100		3,000	6689947
KRM-KVB200125	1,250	2,000	6689938
KRM-KVB250125		2,500	6689943
KRM-KVB300125		3,000	6689948
KRM-KVB200150	1,500	2,000	6689939
KRM-KVB250150		2,500	6689944
KRM-KVB300150		3,000	6689949

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

# Cantilever racking for medium to heavy loads



Cantilever racking for medium and heavy loads is utilized for an extensive range of warehousing applications. The requirements are diverse. As such, the storage system has to be adapted to goods and not vice versa.

The KRS system has limitless versatility with regard to dimensions and capacity. The usage options range from manual to automated operation, stationary or mobile.

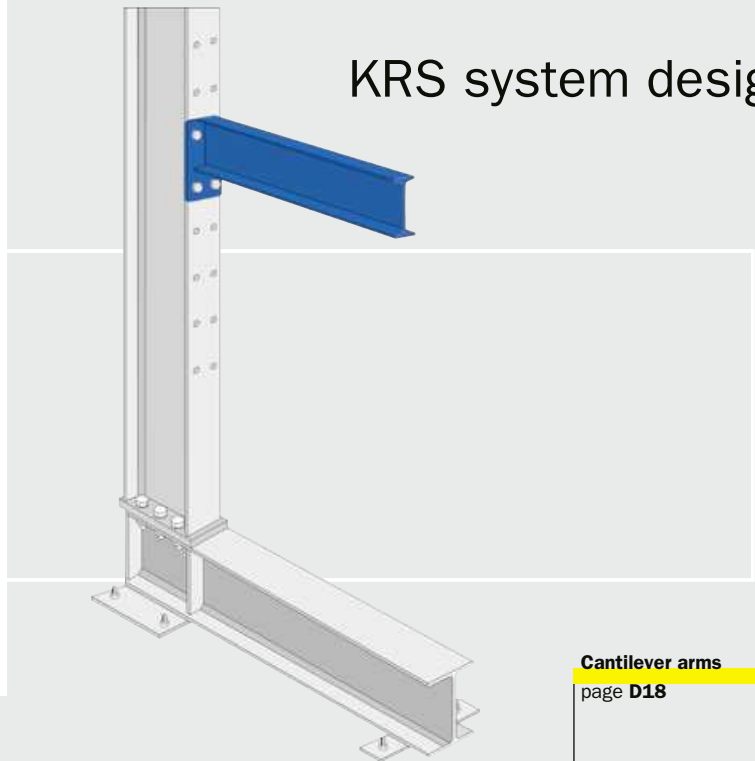


DUST GRAY GENTIAN BLUE RAPESEED YELLOW GALVANIZED

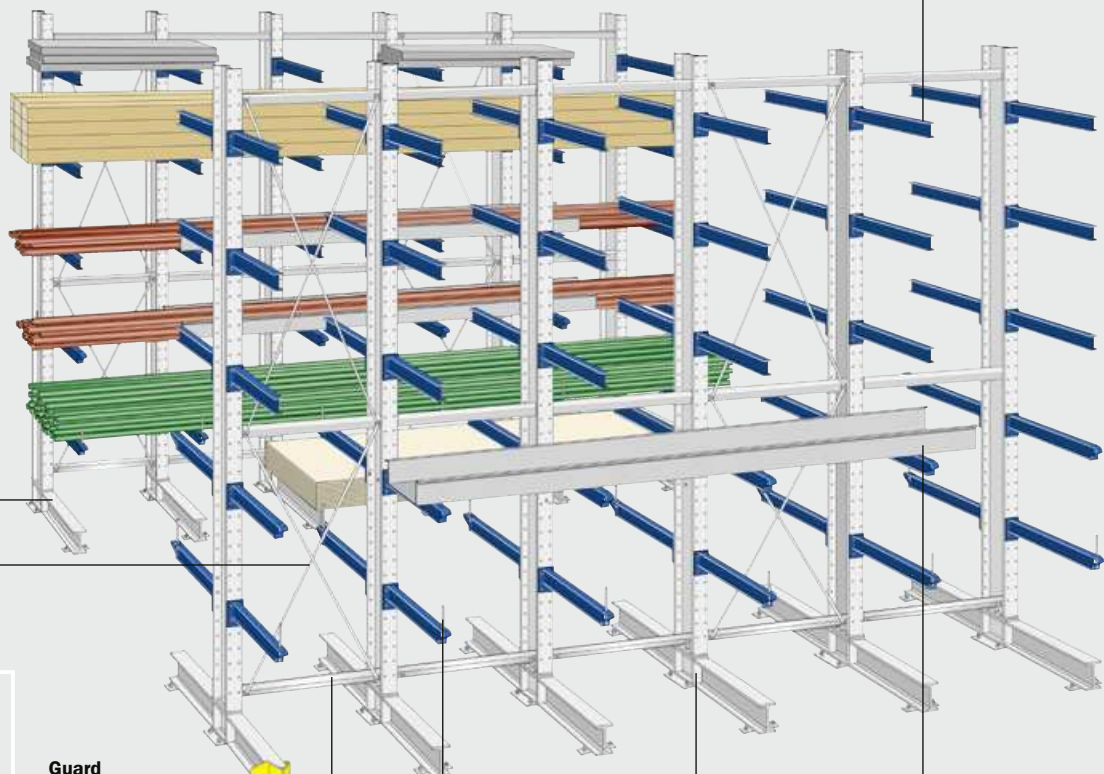


- ▶ **Load-bearing capacity**  
up to 14,000 kg per rack side with uniform height division
- ▶ **Height adjustment pattern**  
adjustable in steps of 100 mm
- ▶ **Upright design made of bolted uprights and foot profiles**  
Can also be retrofitted by replacing the foot profiles – between single and double-face designs
- ▶ **Bolting system**  
upright profiles are bolted together with horizontal braces to form rack rows and reinforced with cross braces in every 4th rack bay
- ▶ **Storage**  
of heavy, bulky materials and goods
- ▶ **Universally usable**  
for manual or automated operation, stationary or mobile installations possible
- ▶ **Easy assembly**  
with only a few components
- ▶ **Single- or double-sided racks**
- ▶ **Bolted cantilever arms**
- ▶ **Robust construction**

# KRS system design



Cantilever arms  
page D18



Cantilever upright (single-sided)  
page D14 – D15

Cross braces  
page D20

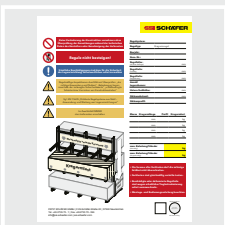
Guard  
page D20

Horizontal braces  
page D20

End stop  
page D21

Cantilever upright (double-sided)  
page D16 – D17

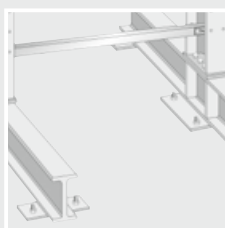
Storage trays  
page D19



Load sign



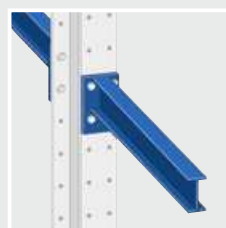
Guard



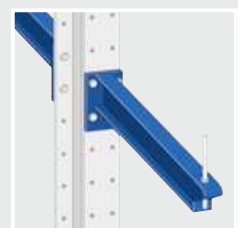
Horizontal braces



Storage tray



Bolted cantilever arm



Cantilever arm with end stop

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support



DUST GRAY



Cantilever upright

RAL 7037

# KRS single-sided cantilever uprights

## ► High stability

the upright and foot profiles are made of solid, hot rolled IPE profiles and are bolted together to create a stable cantilever upright. The foot profiles safely transfer the loads to the floor.

The structural design is effected according to EN and FEM and corresponds to the provisions of the German standard of DG-UV 108-007.

## ► Height adjustment pattern

with adjustment spacing 100 : 100 mm

## ► Material and finish

steel, painted: Dust Gray, RAL 7037

## ► Cantilever uprights

Load specifications apply to each side of the rack in the case of uniform height distribution of the cantilever arms



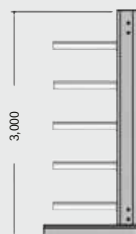
## Other upright heights and usage depths

on request



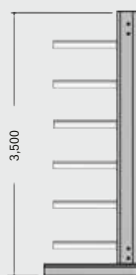
### Upright height 2,500 mm

Item	Usable depth (mm)	Total depth (mm)	Upright profile	Load (kg)	Order no.
KSEX 250418	400	640	IPE 180	6,110	661280
KSEX 250618	600	840	IPE 180	4,800	661282
KSEX 250818	800	1,040	IPE 180	3,900	661283
KSEX 251018	1,000	1,240	IPE 180	3,340	661284
KSEX 251218	1,250	1,490	IPE 180	2,610	661285



### Upright height 3,000 mm

KSEX 300418	400	640	IPE 180	5,300	661287
KSEX 300420		660	IPE 200	7,140	661308
KSEX 300618	600	840	IPE 180	4,170	661289
KSEX 300620		860	IPE 200	5,730	661310
KSEX 300818	800	1,040	IPE 180	3,560	661290
KSEX 300820		1,060	IPE 200	4,750	661311
KSEX 301018	1,000	1,240	IPE 180	3,025	661291
KSEX 301020		1,260	IPE 200	4,155	661312
KSEX 301218	1,250	1,490	IPE 180	2,280	661292
KSEX 301220		1,510	IPE 200	3,375	661313



### Upright height 3,500 mm

KSEX 350618	600	840	IPE 180	4,690	661294
KSEX 350620		860	IPE 200	6,515	661315
KSEX 350622		880	IPE 220	8,520	661336
KSEX 350818	800	1,040	IPE 180	3,380	661295
KSEX 350820		1,060	IPE 200	5,000	661316
KSEX 350822		1,080	IPE 220	7,000	661337
KSEX 351018	1,000	1,240	IPE 180	2,590	661296
KSEX 351020		1,260	IPE 200	3,830	661317
KSEX 351022		1,280	IPE 220	5,510	661338
KSEX 351218	1,250	1,490	IPE 180	1,965	661297
KSEX 351220		1,510	IPE 200	2,910	661318
KSEX 351222		1,530	IPE 220	4,185	661339
KSEX 351518	1,500	1,740	IPE 180	1,535	661298
KSEX 351520		1,760	IPE 200	2,295	661319
KSEX 351522		1,780	IPE 220	3,310	661340
KSEX 352018	2,000	2,240	IPE 180	1,010	661300
KSEX 352020		2,260	IPE 200	1,530	661321
KSEX 352022		2,280	IPE 220	2,230	661342

Order no. = on stock

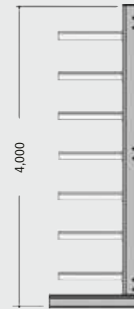


► **Floor anchor**  
see page D19

# KRS single-sided cantilever uprights

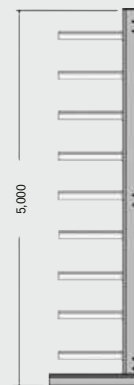
## Upright height 4,000 mm

Item	Usable depth (mm)	Total depth (mm)	Upright profile	Load (kg)	Order no.
KSEX 400620	600	860	IPE 200	5,980	661322
KSEX 400622		880	IPE 220	8,400	661343
KSEX 400624		900	IPE 240	10,700	661371
KSEX 400820	800	1,060	IPE 200	4,360	661323
KSEX 400822		1,080	IPE 220	6,250	661344
KSEX 400824		1,100	IPE 240	8,800	661372
KSEX 401020	1,000	1,260	IPE 200	3,360	661324
KSEX 401022		1,280	IPE 220	4,830	661345
KSEX 401024		1,300	IPE 240	6,810	661373
KSEX 401220	1,250	1,510	IPE 200	2,550	661325
KSEX 401222		1,530	IPE 220	3,670	661346
KSEX 401224		1,550	IPE 240	5,200	661374
KSEX 401520	1,500	1,760	IPE 200	2,020	661326
KSEX 401522		1,780	IPE 220	2,920	661347
KSEX 401524		1,800	IPE 240	4,140	661375
KSEX 402020	2,000	2,260	IPE 200	1,340	661328
KSEX 402022		2,280	IPE 220	1,960	661349
KSEX 402024		2,300	IPE 240	2,810	661377



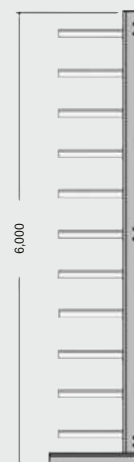
## Upright height 5,000 mm

KSEX 500622	600	880	IPE 220	6,670	661357
KSEX 500624		900	IPE 240	9,360	661385
KSEX 500627		930	IPE 270	14,010	661420
KSEX 500822	800	1,080	IPE 220	4,880	661358
KSEX 500824		1,100	IPE 240	6,870	661386
KSEX 500827		1,130	IPE 270	10,260	661421
KSEX 501022	1,000	1,280	IPE 220	3,780	661359
KSEX 501024		1,300	IPE 240	5,350	661387
KSEX 501027		1,330	IPE 270	7,960	661422
KSEX 501222	1,250	1,530	IPE 220	2,890	661360
KSEX 501224		1,550	IPE 240	4,090	661388
KSEX 501227		1,580	IPE 270	6,140	661423
KSEX 501522	1,500	1,780	IPE 220	2,280	661361
KSEX 501524		1,800	IPE 240	3,250	661389
KSEX 501527		1,830	IPE 270	4,910	661424
KSEX 502022	2,000	2,280	IPE 220	1,550	661363
KSEX 502024		2,300	IPE 240	2,230	661391
KSEX 502027		2,330	IPE 270	3,400	661426



## Upright height 6,000 mm

KSEX 600624	600	900	IPE 240	7,590	661399
KSEX 600627		930	IPE 270	11,420	661434
KSEX 600824	800	1,100	IPE 240	5,640	661400
KSEX 600827		1,130	IPE 270	8,360	661435
KSEX 600830		1,160	IPE 300	12,140	661463
KSEX 601024	1,000	1,300	IPE 240	4,370	661401
KSEX 601027		1,330	IPE 270	6,570	661436
KSEX 601030		1,360	IPE 300	9,530	661464
KSEX 601224	1,250	1,550	IPE 240	3,350	661402
KSEX 601227		1,580	IPE 270	5,050	661437
KSEX 601230		1,610	IPE 300	7,390	661465
KSEX 601524	1,500	1,800	IPE 240	2,690	661403
KSEX 601527		1,830	IPE 270	4,070	661438
KSEX 601530		1,860	IPE 300	5,940	661466
KSEX 602024	2,000	2,300	IPE 240	1,820	661405
KSEX 602027		2,330	IPE 270	2,790	661440
KSEX 602030		2,360	IPE 300	4,120	661468



Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

# KRS double-sided cantilever uprights



DUST GRAY



Cantilever upright

RAL 7037

► **High stability**

the upright and foot profiles are made of solid, hot rolled IPE profiles and are bolted together to create a stable cantilever upright. The foot profiles safely transfer the loads to the floor.

The structural design is effected according to EN and FEM and corresponds to the provisions of the German standard of DG-UV 108-007.

► **Height adjustment pattern**

with adjustment spacing 100 : 100 mm

► **Material and finish**

steel, painted: Dust Gray, RAL 7037

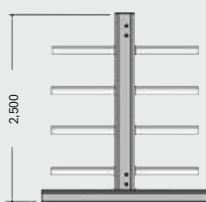
► **Cantilever uprights**

Load specifications apply to each side of the rack in the case of uniform height distribution of the cantilever arms



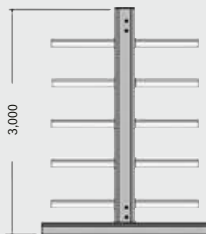
**Other upright heights and usage depths**

on request



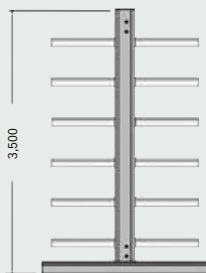
**Upright height 2,500 mm**

Item	Usable depth (mm)	Total depth (mm)	Upright profile	Load (kg/side)	Order no.
KSDX 250418	400	1,100	IPE 180	6,290	661532
KSDX 250618	600	1,500	IPE 180	4,940	661534
KSDX 250818	800	1,900	IPE 180	4,050	661535
KSDX 251018	1,000	2,300	IPE 180	3,470	661536
KSDX 251218	1,250	2,800	IPE 180	2,710	661537



**Upright height 3,000 mm**

KSDX 300418	400	1,100	IPE 180	5,450	661539
KSDX 300420		1,120	IPE 200	7,350	661560
KSDX 300618	600	1,500	IPE 180	4,290	661541
KSDX 300620		1,520	IPE 200	5,900	661562
KSDX 300818	800	1,900	IPE 180	3,700	661542
KSDX 300820		1,920	IPE 200	4,940	661563
KSDX 301018	1,000	2,300	IPE 180	3,140	661543
KSDX 301020		2,320	IPE 200	4,320	661564
KSDX 301218	1,250	2,800	IPE 180	2,390	661544
KSDX 301220		2,820	IPE 200	3,540	661565



**Upright height 3,500 mm**

KSDX 350618	600	1,500	IPE 180	4,870	661546
KSDX 350620		1,520	IPE 200	6,710	661567
KSDX 350622		1,540	IPE 220	8,770	661588
KSDX 350818	800	1,900	IPE 180	3,480	661547
KSDX 350820		1,920	IPE 200	5,150	661568
KSDX 350822		1,940	IPE 220	7,210	661589
KSDX 351018	1,000	2,300	IPE 180	2,690	661548
KSDX 351020		2,320	IPE 200	3,980	661569
KSDX 351022		2,340	IPE 220	5,730	661590
KSDX 351218	1,250	2,800	IPE 180	2,040	661549
KSDX 351220		2,820	IPE 200	3,020	661570
KSDX 351222		2,840	IPE 220	4,350	661591
KSDX 351518	1,500	3,300	IPE 180	1,610	661550
KSDX 351520		3,320	IPE 200	2,410	661571
KSDX 351522		3,340	IPE 220	3,475	661592
KSDX 352018	2,000	4,300	IPE 180	1,080	661552
KSDX 352020		4,320	IPE 200	1,630	661573
KSDX 352022		4,340	IPE 220	2,380	661594

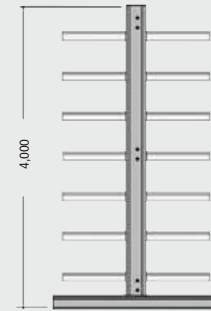
Order no. = on stock

► **Floor anchor**  
see page D19

# KRS double-sided cantilever uprights

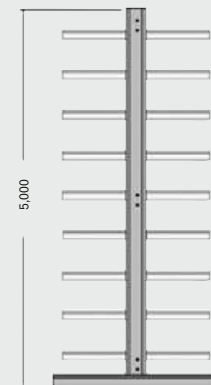
## Upright height 4,000 mm

Item	Usable depth (mm)	Total depth (mm)	Upright profile	Load (kg/side)	Order no.
KSDX 400620	600	1,520	IPE 200	6,150	661574
KSDX 400622		1,540	IPE 220	8,650	661595
KSDX 400624		1,560	IPE 240	11,020	661623
KSDX 400820	800	1,920	IPE 200	4,490	661575
KSDX 400822		1,940	IPE 220	6,430	661596
KSDX 400824		1,960	IPE 240	9,060	661624
KSDX 401020	1,000	2,320	IPE 200	3,490	661576
KSDX 401022		2,340	IPE 220	5,020	661597
KSDX 401024		2,360	IPE 240	7,080	661625
KSDX 401220	1,250	2,820	IPE 200	2,650	661577
KSDX 401222		2,840	IPE 220	3,810	661598
KSDX 401224		2,860	IPE 240	5,400	661626
KSDX 401520	1,500	3,320	IPE 200	2,120	661578
KSDX 401522		3,340	IPE 220	3,060	661599
KSDX 401524		3,360	IPE 240	4,340	661627
KSDX 402020	2,000	4,320	IPE 200	1,430	661580
KSDX 402022		4,340	IPE 220	2,090	661601
KSDX 402024		4,360	IPE 240	3,000	661629



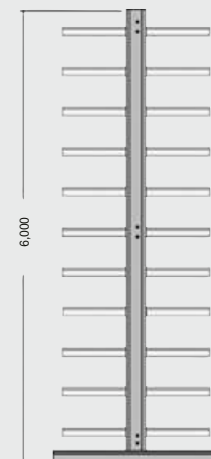
## Upright height 5,000 mm

KSDX 500622	600	1,540	IPE 220	6,870	661609
KSDX 500624		1,560	IPE 240	9,670	661637
KSDX 500627		1,590	IPE 270	14,410	661672
KSDX 500822	800	1,940	IPE 220	5,020	661610
KSDX 500824		1,960	IPE 240	7,070	661638
KSDX 500827		1,990	IPE 270	10,560	661673
KSDX 501022	1,000	2,340	IPE 220	3,930	661611
KSDX 501024		2,360	IPE 240	5,560	661639
KSDX 501027		2,390	IPE 270	8,270	661674
KSDX 501222	1,250	2,840	IPE 220	3,005	661612
KSDX 501224		2,860	IPE 240	4,250	661640
KSDX 501227		2,890	IPE 270	6,380	661675
KSDX 501522	1,500	3,340	IPE 220	2,390	661613
KSDX 501524		3,360	IPE 240	3,410	661641
KSDXN 501527		3,390	IPE 270	5,150	661676
KSDX 502022	2,000	4,340	IPE 220	1,650	661615
KSDX 502024		4,360	IPE 240	2,380	661643
KSDX 502027		4,390	IPE 270	3,630	661678



## Upright height 6,000 mm

KSDX 600624	600	1,560	IPE 240	7,810	661651
KSDX 600627		1,590	IPE 270	11,760	661686
KSDX 600824	800	1,960	IPE 240	5,800	661652
KSDX 600827		1,990	IPE 270	8,610	661687
KSDX 600830		2,020	IPE 300	12,500	661715
KSDX 601024	1,000	2,360	IPE 240	4,540	661653
KSDX 601027		2,390	IPE 270	6,830	661688
KSDX 601030		2,420	IPE 300	9,910	661716
KSDX 601224	1,250	2,860	IPE 240	3,480	661654
KSDX 601227		2,890	IPE 270	5,250	661689
KSDX 601230		2,920	IPE 300	7,680	661717
KSDX 601524	1,500	3,360	IPE 240	2,820	661655
KSDX 601527		3,390	IPE 270	4,270	661690
KSDX 601530		3,420	IPE 300	6,230	661718
KSDX 602024	2,000	4,360	IPE 240	1,940	661657
KSDX 602027		4,390	IPE 270	2,980	661692
KSDX 602030		4,420	IPE 300	4,405	661720



Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

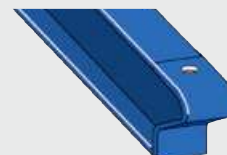


# KRS cantilever arms

► **Cantilever arms**  
Load specifications apply for uniformly distributed loads

## Cantilever arms for IPE 180 and IPE 200 upright profiles

Steel, painted: Gentian Blue, RAL 5010. With welded top plate, optionally with or without deflector. Adjustment 100 : 100 mm.



### Without deflector

Item	Usable depth (mm)	Cantilever arm profile	Load (kg)	Order no.
KASX 0408.2	400	INP 80	1,445	661036
KASX 0410.2		INP 100	2,415	661054
KASX 0608.2	600	INP 80	1,030	661038
KASX 0610.2		INP 100	1,755	661056
KASX 0808.2	800	INP 80	810	661039
KASX 0810.2		INP 100	1,370	661057
KASX 1008.2	1,000	INP 80	640	661040
KASX 1010.2		INP 100	1,120	661058
KASX 1208.2	1,250	INP 80	505	661041
KASX 1210.2		INP 100	885	661059
KASX 1508.2	1,500	INP 80	380	661042
KASX 1510.2		INP 100	730	661060
KASX 2008.2	2,000	INP 80	215	661044
KASX 2010.2		INP 100	470	661062

### With deflector

Item	Usable depth (mm)	Cantilever arm profile	Load (kg)	Order no.
KASX 0408.2R	400	INP 80	1,445	661045
KASX 0410.2R		INP 100	2,415	661063
KASX 0608.2R	600	INP 80	1,030	661047
KASX 0610.2R		INP 100	1,755	661065
KASX 0808.2R	800	INP 80	810	661048
KASX 0810.2R		INP 100	1,370	661066
KASX 1008.2R	1,000	INP 80	640	661049
KASX 1010.2R		INP 100	1,120	661067
KASX 1208.2R	1,250	INP 80	505	661050
KASX 1210.2R		INP 100	885	661068
KASX 1508.2R	1,500	INP 80	380	661051
KASX 1510.2R		INP 100	730	661069
KASX 2008.2R	2,000	INP 80	215	661053
KASX 2010.2R		INP 100	470	661071

## Cantilever arms for IPE 220 – IPE 300 upright profiles

Steel, painted: Gentian Blue, RAL 5010. With welded top plate, optionally with or without deflector. Adjustment 100 : 100 mm.

### Without deflector

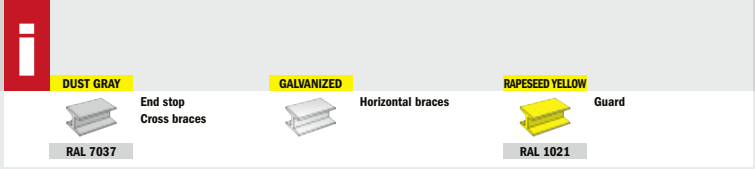
Item	Usable depth (mm)	Cantilever arm profile	Load (kg)	Order no.
KASX 0408.3	400	INP 80	1,445	661108
KASX 0410.3		INP 100	2,415	661126
KASX 0608.3	600	INP 80	1,030	661110
KASX 0610.3		INP 100	1,755	661128
KASX 0612.3		INP 120	2,720	661144
KASX 0614.3		INP 140	3,035	661158
KASX 0808.3	800	INP 80	810	661111
KASX 0810.3		INP 100	1,370	661129
KASX 0812.3		INP 120	2,150	661145
KASX 0814.3		INP 140	3,125	661159
KASX 1008.3	1,000	INP 80	640	661112
KASX 1010.3		INP 100	1,120	661130
KASX 1012.3		INP 120	1,755	661146
KASX 1014.3		INP 140	2,585	661160
KASX 1208.3	1,250	INP 80	505	661113
KASX 1210.3		INP 100	885	661131
KASX 1212.3		INP 120	1,420	661147
KASX 1214.3		INP 140	2,110	661161
KASX 1508.3	1,500	INP 80	380	661114
KASX 1510.3		INP 100	730	661132
KASX 1512.3		INP 120	1,170	661148
KASX 1514.3		INP 140	1,755	661162
KASX 2008.3	2,000	INP 80	215	661116
KASX 2010.3		INP 100	470	661134
KASX 2012.3		INP 120	850	661150
KASX 2014.3		INP 140	1,285	661164

### With deflector

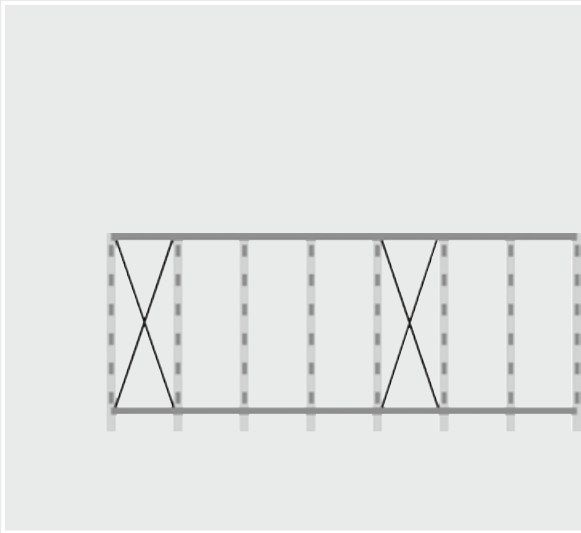
Item	Usable depth (mm)	Cantilever arm profile	Load (kg)	Order no.
KASX 0408.3R	400	INP 80	1,445	661117
KASX 0410.3R		INP 100	2,415	661135
KASX 0608.3R	600	INP 80	1,030	661119
KASX 0610.3R		INP 100	1,755	661137
KASX 0612.3R		INP 120	2,720	661151
KASX 0614.3R		INP 140	3,035	661165
KASX 0808.3R	800	INP 80	810	661120
KASX 0810.3R		INP 100	1,370	661138
KASX 0812.3R		INP 120	2,150	661152
KASX 0814.3R		INP 140	3,125	661166
KASX 1008.3R	1,000	INP 80	640	661121
KASX 1010.3R		INP 100	1,120	661139
KASX 1012.3R		INP 120	1,755	661153
KASX 1014.3R		INP 140	2,585	661167
KASX 1208.3R	1,250	INP 80	505	661122
KASX 1210.3R		INP 100	885	661140
KASX 1212.3R		INP 120	1,420	661154
KASX 1214.3R		INP 140	2,110	661168
KASX 1508.3R	1,500	INP 80	380	661123
KASX 1510.3R		INP 100	730	661141
KASX 1512.3R		INP 120	1,170	661155
KASX 1514.3R		INP 140	1,755	661169
KASX 2008.3R	2,000	INP 80	215	661125
KASX 2010.3R		INP 100	470	661143
KASX 2012.3R		INP 120	850	661157
KASX 2014.3R		INP 140	1,285	661171

Order no. = on stock





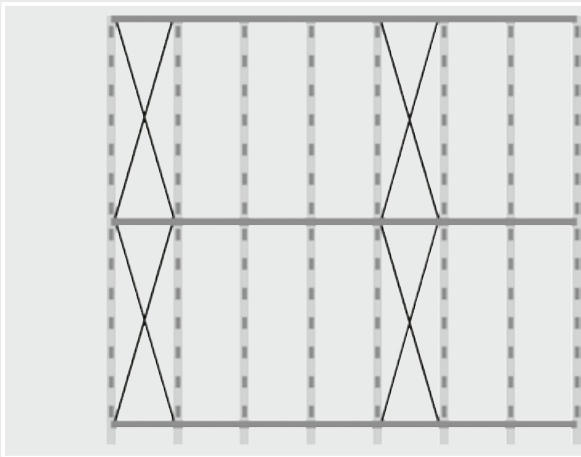
# KRS accessories



### Single-piece cross braces

Steel, painted: Dust gray, RAL 7037. Cross braces are required for every fourth rack bay in order to stabilize the racks. Includes fixing kit.

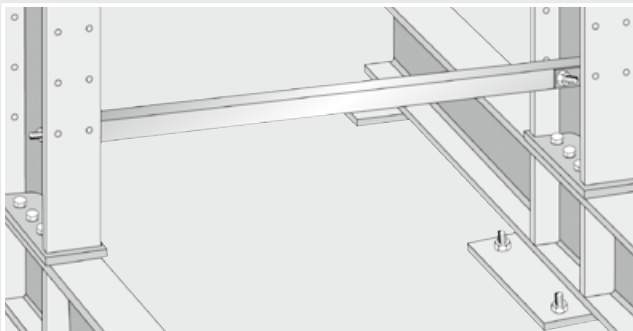
Item	Center distance (mm)	Upright height (mm)	Order no.
KVBX 25081	800	2,500	6680971
KVBX 30081		3,000	6680976
KVBX 35081		3,500	6680982
KVBX 25101	1,000	2,500	6680972
KVBX 30101		3,000	6680977
KVBX 35101		3,500	6680983
KVBX 25121	1,250	2,500	6680973
KVBX 30121		3,000	6680978
KVBX 35121		3,500	6680984
KVBX 25151	1,500	2,500	6680974
KVBX 30151		3,000	6680979
KVBX 35151		3,500	6680985



### Two-piece cross braces

Steel, painted: Dust gray, RAL 7037. Cross braces are required for every fourth rack bay in order to stabilize the racks. Includes fixing kit.

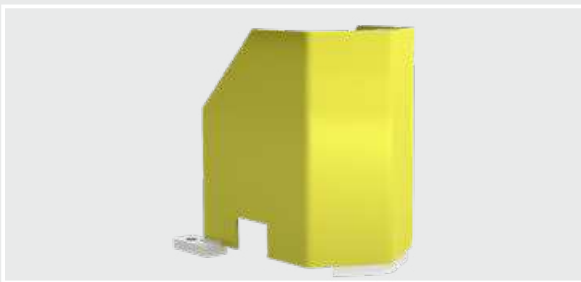
KVBX 40082	800	4,000	6680988
KVBX 50082		5,000	6681000
KVBX 60082		6,000	6681012
KVBX 40102	1,000	4,000	6680989
KVBX 50102		5,000	6681001
KVBX 60102		6,000	6681013
KVBX 40122	1,250	4,000	6680990
KVBX 50122		5,000	6681002
KVBX 60122		6,000	6681014
KVBX 40152	1,500	4,000	6680991
KVBX 50152		5,000	6681003
KVBX 60152		6,000	6681015



### Horizontal braces

Steel, galvanized. Horizontal braces are required to connect cantilever uprights. Up to upright height 3,500 mm, 2 horizontal braces, above upright height 4,000 mm 3 horizontal braces are required.

Item	Center distance (mm)	Order no.
KLVX 08	800	661031
KLVX 10	1,000	661032
KLVX 12	1,250	661033
KLVX 15	1,500	661034



### Guard

Steel, painted: Rapeseed Yellow, RAL 1021. For the foot profiles of the cantilever upright, to protect the tires of the storage-retrieval devices. U-shaped, including floor anchors.

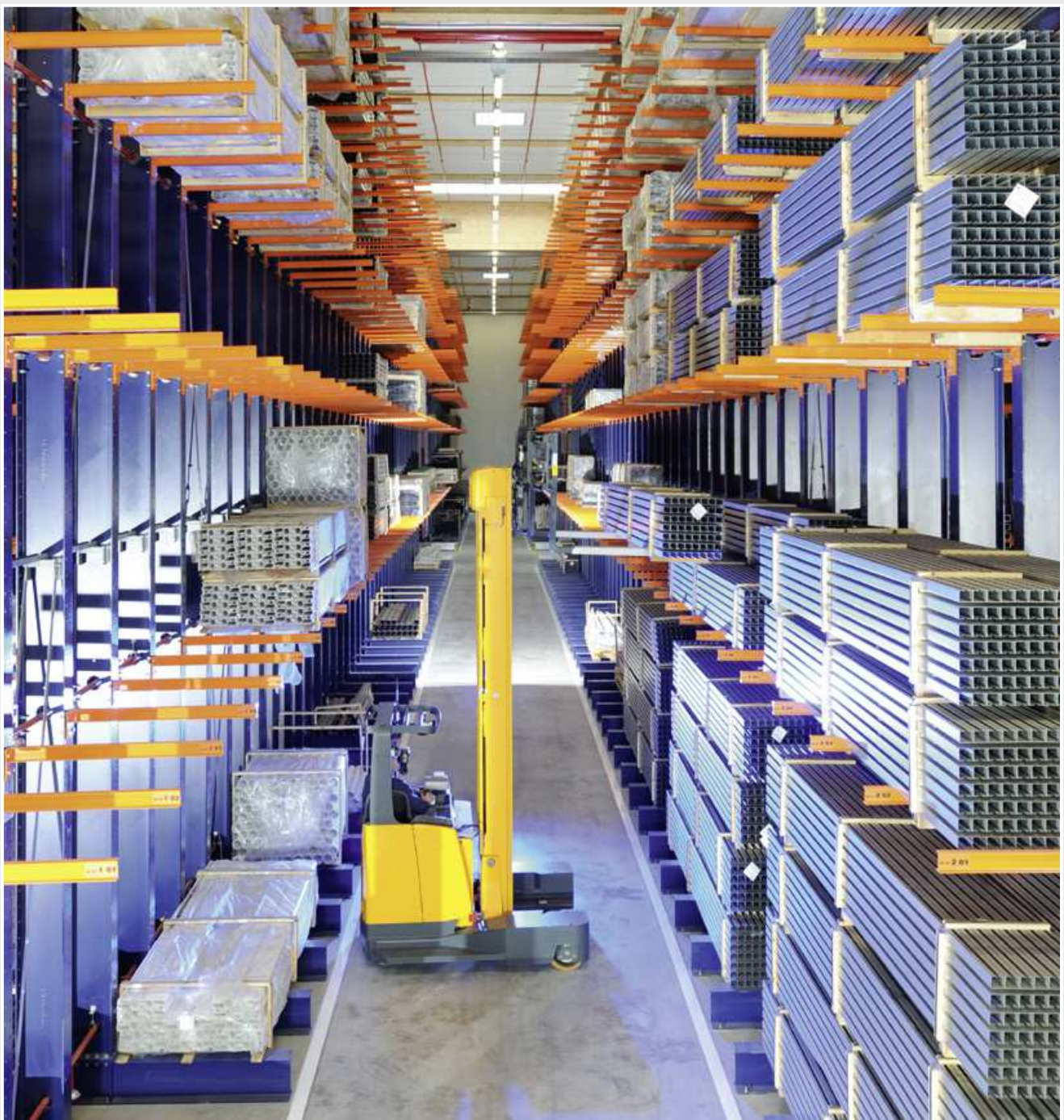
Item	Height (mm)	Width (mm)	Order no.
AS 180	180	150	8009449
AS 280	280	160	8009446

Order no. = on stock

**End stop**

For cantilever arms with deflector, plug-in, painted: Dust gray, RAL 7037.

Item	Usable height (mm)	Order no.
KEA 105	50	162500
KEA 110	100	162510
KEA 115	150	162520



Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

# On-line shelving/ live storage racks

PDF

Reducing costs by optimizing processes is the objective in every area of industry. SSI SCHAEFER offers an entire range of optimized systems for providing small items in assembly areas or on the assembly line.

These systems utilize the first-in-first-out principle (FiFo) and can be equipped with shelves or roller bars, guaranteeing problem-free assembly processes.

The diversity of the SSI SCHAEFER dynamic systems ensures that the optimum dynamic storage concept can be found for every load carrier. SSI SCHAEFER systems and solutions cover applications ranging from light loads to moderate loads and also heavy loads.

The diverse range of containers made of plastic and steel from SSI SCHAEFER ensure space-saving storage and the ideal storage of the materials.

**i** Information regarding **inspection requirements**  
for **rack systems**

**Chapter F, page F4**







R 3000 on-line shelving

page E2



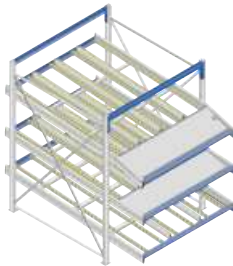
R 7000 on-line shelving

page E6



KDR live storage shelving

page E12



The meaning of the pictograms:



Bay load\*

\* All specified load values apply for uniformly distributed loads.

Modular shelving

Longspan racking

Pallet racking

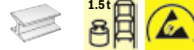
Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support



GALVANIZED



# R 3000 on-line shelving with shelves

On-line shelving provides a reliable means of storage for any type of box with diverse dimensions, making them a universal solution.

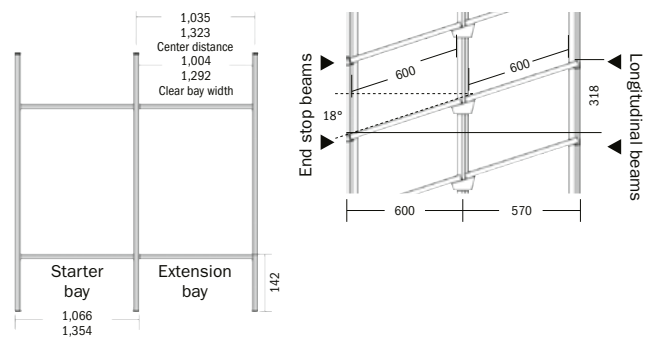
The high load capacity of 1.5 t per bay, its flexibility through the combination of basic and expansion bays to create shelving rows, along with the cost-effective construction with consistently galvanized components from the R 3000 system distinguishes this on-line shelving from SSI SCHAEFER.

The lane guides made of wire bows can be inserted with a 41 mm spacing pattern to partition the shelving.

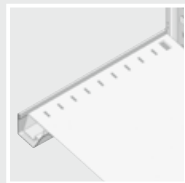
Pre-assembled frames and system components that can be assembled without screws enable these shelves to be set up rapidly.

On the inclined levels, a stop beam or a stop strip secures the containers. The side rails prevent goods from falling between the frames.

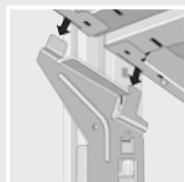
- ▶ **Plug-in design for rapid assembly**
- ▶ **Pre-assembled upright frame**  
consisting of frames, compartment stays and foot plates
- ▶ **Upright profile**  
with 53 mm lug pitch
- ▶ **Height-adjustable shelves**
- ▶ **Shelf height 40 mm**
- ▶ **High loading capacity**  
of up to 1,500 kg per bay
- ▶ **Floor fixing not required**  
provided that the height/depth ratio does not exceed 4 : 1
- ▶ **Inclined shelves**  
ensure gravity-forced box supply and provide a clear view while improving handling on the removal side
- ▶ **System components made of galvanized sheet steel**
- ▶ **Suitable for use in ESD areas**  
to protect high-quality electronic components
- ▶ **Bay width/system dimensions and installation situation**



End stop beam, front



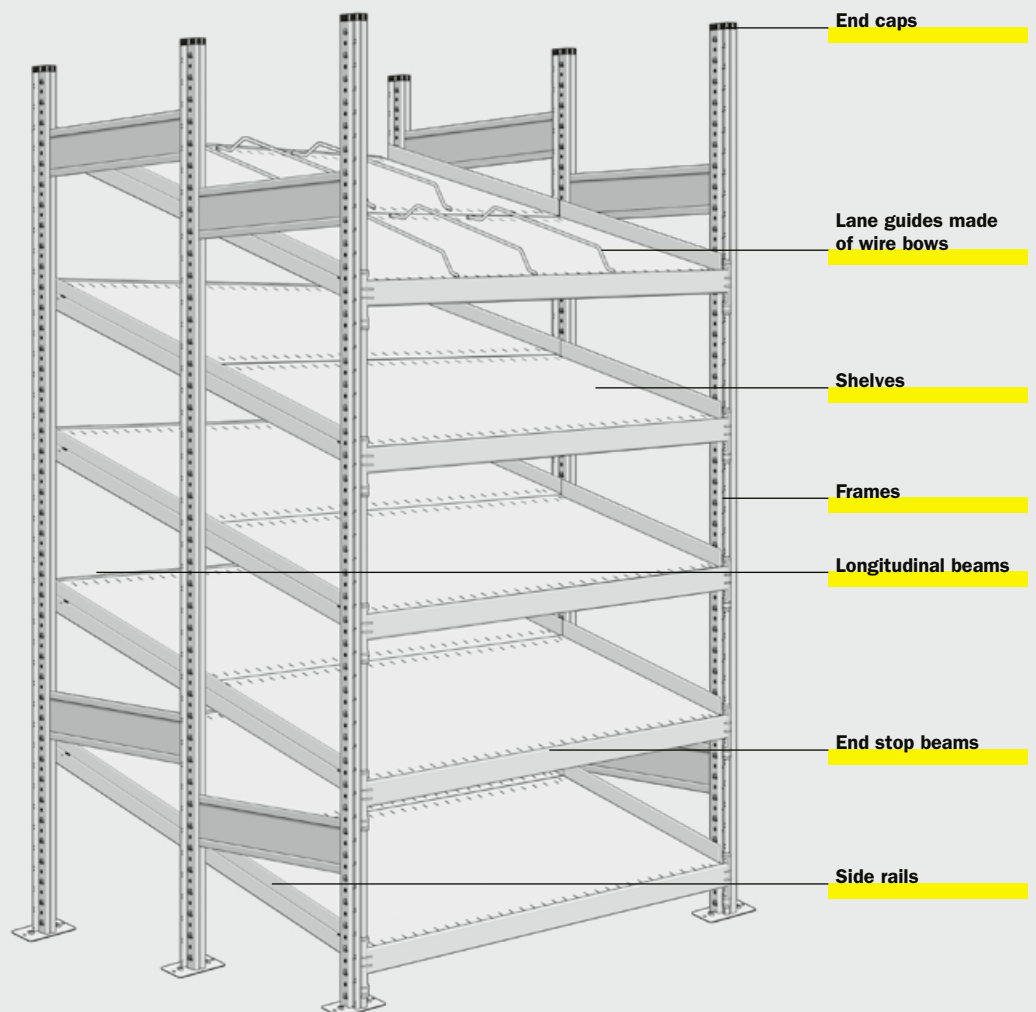
Longitudinal beam, rear



Intermediate shelf bracket



Lane guides made of wire bows



# MBR 3000 single-row shelving with tilted shelves



Offer without containers

## MBR 3000 complete shelving system with 3 tilted shelves (starter bays) – rack height 1,536 mm

2 pre-assembled upright frames, 3 shelves, 3 longitudinal and 3 end stop beams, 6 side rails, 4 end caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-341015-GF-S-3	400	1,004	100	331000
MBR-341315-GF-S-3		1,292	150	331010
MBR-351015-GF-S-3	500	1,004	100	331020
MBR-351315-GF-S-3		1,292	150	331030
MBR-361015-GF-S-3	600	1,004	100	331040
MBR-361315-GF-S-3		1,292	150	331050
MBR-381015-GF-S-3	800	1,004	200	331060
MBR-381315-GF-S-3		1,292	250	331070

### Extension bays

1 pre-assembled upright frame, 3 shelves, 3 longitudinal and 3 end stop beams, 2 end caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-341015-AF-S-3	400	1,004	100	331100
MBR-341315-AF-S-3		1,292	150	331110
MBR-351015-AF-S-3	500	1,004	100	331120
MBR-351315-AF-S-3		1,292	150	331130
MBR-361015-AF-S-3	600	1,004	100	331140
MBR-361315-AF-S-3		1,292	150	331150
MBR-381015-AF-S-3	800	1,004	200	331160
MBR-381315-AF-S-3		1,292	250	331170

### Additional compartment levels

1 shelf, 1 longitudinal and 1 end stop beam.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-341004-ZF-SE	400	1,004	100	331400
MBR-341292-ZF-SE		1,292	150	331410
MBR-351004-ZF-SE	500	1,004	100	331420
MBR-351292-ZF-SE		1,292	150	331430
MBR-361004-ZF-SE	600	1,004	100	331440
MBR-361292-ZF-SE		1,292	150	331450
MBR-381004-ZF-SE	800	1,004	200	331460
MBR-381292-ZF-SE		1,292	250	331470

Order no. = on stock



Offer without containers

## MBR 3000 complete shelving system with 5 tilted shelves (starter bays) – rack height 2,278 mm

2 pre-assembled upright frames, 5 shelves, 5 longitudinal and 5 end stop beams, 10 side rails, 4 end caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-341022-GF-S-5	400	1,004	100	331200
MBR-341322-GF-S-5		1,292	150	331210
MBR-351022-GF-S-5	500	1,004	100	331220
MBR-351322-GF-S-5		1,292	150	331230
MBR-361022-GF-S-5	600	1,004	100	331240
MBR-361322-GF-S-5		1,292	150	331250
MBR-381022-GF-S-5	800	1,004	200	331260
MBR-381322-GF-S-5		1,292	250	331270

### Extension bays

1 pre-assembled upright frame, 5 shelves, 5 longitudinal and 5 end stop beams, 2 end caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-341022-AF-S-5	400	1,004	100	331300
MBR-341322-AF-S-5		1,292	150	331310
MBR-351022-AF-S-5	500	1,004	100	331320
MBR-351322-AF-S-5		1,292	150	331330
MBR-361022-AF-S-5	600	1,004	100	331340
MBR-361322-AF-S-5		1,292	150	331350
MBR-381022-AF-S-5	800	1,004	200	331360
MBR-381322-AF-S-5		1,292	250	331370

### Additional compartment levels

1 shelf, 1 longitudinal and 1 end stop beam.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-341004-ZF-SE	400	1,004	100	331400
MBR-341292-ZF-SE		1,292	150	331410
MBR-351004-ZF-SE	500	1,004	100	331420
MBR-351292-ZF-SE		1,292	150	331430
MBR-361004-ZF-SE	600	1,004	100	331440
MBR-361292-ZF-SE		1,292	150	331450
MBR-381004-ZF-SE	800	1,004	200	331460
MBR-381292-ZF-SE		1,292	250	331470

# MBR 3000 double-row shelving with tilted shelf levels



## MBR 3000 complete shelving system with 3 tilted shelves (starter bays) – rack height 1,536 mm

2 pre-assembled upright frames, 6 shelves, 3 longitudinal and 3 end stop beams, 6 intermediate shelf brackets, 12 side rails, 6 end caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-351015-GF-DS-3	1,000	1,004	100	331520
MBR-351315-GF-DS-3		1,292	150	331530
MBR-361015-GF-DS-3	1,200	1,004	100	331540
MBR-361315-GF-DS-3		1,292	150	331550

### Extension bays

1 pre-assembled upright frame, 6 shelves, 3 longitudinal and 3 end stop beams, 6 intermediate shelf brackets, 2 end caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-351015-AF-DS-3	1,000	1,004	100	331620
MBR-351315-AF-DS-3		1,292	150	331630
MBR-361015-AF-DS-3	1,200	1,004	100	331640
MBR-361315-AF-DS-3		1,292	150	331650

### Additional compartment levels

1 shelf, 1 longitudinal and 1 end stop beam, 2 intermediate shelf brackets.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-351004-ZF-SD	1,000	1,004	100	331920
MBR-351292-ZF-SD		1,292	150	331930
MBR-361004-ZF-SD	1,200	1,004	100	331940
MBR-361292-ZF-SD		1,292	150	331950



## MBR 3000 complete shelving system with 5 tilted shelves (starter bays) – rack height 2,278 mm

2 pre-assembled upright frames, 10 shelves, 5 longitudinal and 5 end stop beams, 10 intermediate shelf brackets, 20 side rails, 6 end caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-351022-GF-DS-5	1,000	1,004	100	331720
MBR-351322-GF-DS-5		1,292	150	331730
MBR-361022-GF-DS-5	1,200	1,004	100	331740
MBR-361322-GF-DS-5		1,292	150	331750

### Extension bays

1 pre-assembled upright frame, 10 shelves, 5 longitudinal and 5 end stop beams, 10 intermediate shelf brackets, 2 end caps.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-351022-AF-DS-5	1,000	1,004	100	331820
MBR-351322-AF-DS-5		1,292	150	331830
MBR-361022-AF-DS-5	1,200	1,004	100	331840
MBR-361322-AF-DS-5		1,292	150	331850

### Additional compartment levels

1 shelf, 1 longitudinal and 1 end stop beam, 2 intermediate shelf brackets.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-351004-ZF-SD	1,000	1,004	100	331920
MBR-351292-ZF-SD		1,292	150	331930
MBR-361004-ZF-SD	1,200	1,004	100	331940
MBR-361292-ZF-SD		1,292	150	331950

Order no. = on stock

# Individual components



**i Additional information about the R 3000 on-line shelving**

on request

**Individual components and accessories for the “MBR” on-line shelving**

Item	Usable depth (mm)	Height/Length (mm)	Load (max. kg/bay)	Order no.	Item	Usable depth (mm)	Height/Length (mm)	Load (max. kg)	Order no.
<b>Basic shelving frame</b>					<b>Longitudinal beams</b>				
RR34315-V-M	400	1,536	1,500	6671800	LTR 31004	–	1,004	250	330340
RR35315-V-M	500	1,536	1,500	6671801	LTR 31292	–	1,292	250	330350
RR36315-V-M	600	1,536	1,500	6671802					
RR38315-V-M	800	1,536	1,500	6671803					
<b>Shelving extension frame – double-row</b>					<b>End stop beams</b>				
RRA35315-V-M-Z	470	1,536	1,500*	6671990	ATR 31004	–	1,004	250	330310
RRA36315-V-M-Z	570	1,536	1,500*	6671991	ATR 31292	–	1,292	250	330320
<b>Basic shelving frame</b>					<b>End stop rails</b>				
RR34322-V-M	400	2,278	1,500	6671816	ASL 3100	–	994	–	330610
RR35322-V-M	500	2,278	1,500	6671817	ASL 3130	–	1,282	–	330620
RR36322-V-M	600	2,278	1,500	6671818					
RR38322-V-M	800	2,278	1,500	6671819					
<b>Shelving extension frame – double-row</b>					<b>Side rails</b>				
RRA35322-V-M-Z	470	2,278	1,500*	6671993	SF 3404 V	400	40	–	330880
RRA36322-V-M-Z	570	2,278	1,500*	6671994	SF 3504 V	500	40	–	330890
<b>Shelves</b>					<b>Lane guides made of wire bows</b>				
ZB 341010 V	400	40/ 994	100	145510	DFZB 3403 V	400	30	–	330520
ZB 351010 V	500	40/ 994	100	145520	DFZB 3503 V	500	30	–	330530
ZB 361010 V	600	40/ 994	100	145530	DFZB 3603 V	600	30	–	330540
ZB 381020 V	800	40/ 994	200	145600	DFZB 3803 V	800	30	–	330550
ZB 341315 V	400	40/1,282	150	145540					
ZB 351315 V	500	40/1,282	150	145550					
ZB 361315 V	600	40/1,282	150	145560					
ZB 381325 V	800	40/1,282	250	145630					
<b>Accessories</b>					<b>Accessories</b>				
ZBK 3000 R	Intermediate shelf bracket, right			330360	HUS3-H6x60	Floor fixing set – Screw anchor			6671728
ZBK 3000 L	Intermediate shelf bracket, left			330370	SRTS	Load sign**			39070
AK 3000	End cap			147130					
UP3001-V	Packing plate, thickness 1 mm			6671710					

\* The load specifications apply per double-row shelving bay = Basic shelving frame and extension frame

\*\* As per DG-UV-Regel 108-007 where required

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support



LIGHT SILVER

GALVANIZED



Beams



Frame  
Shelves  
Side rails  
Brackets  
Adapter

# R 7000 on-line shelving

On-line shelving provides a reliable means of storage for any type of containers with diverse dimensions, making them a universal solution.

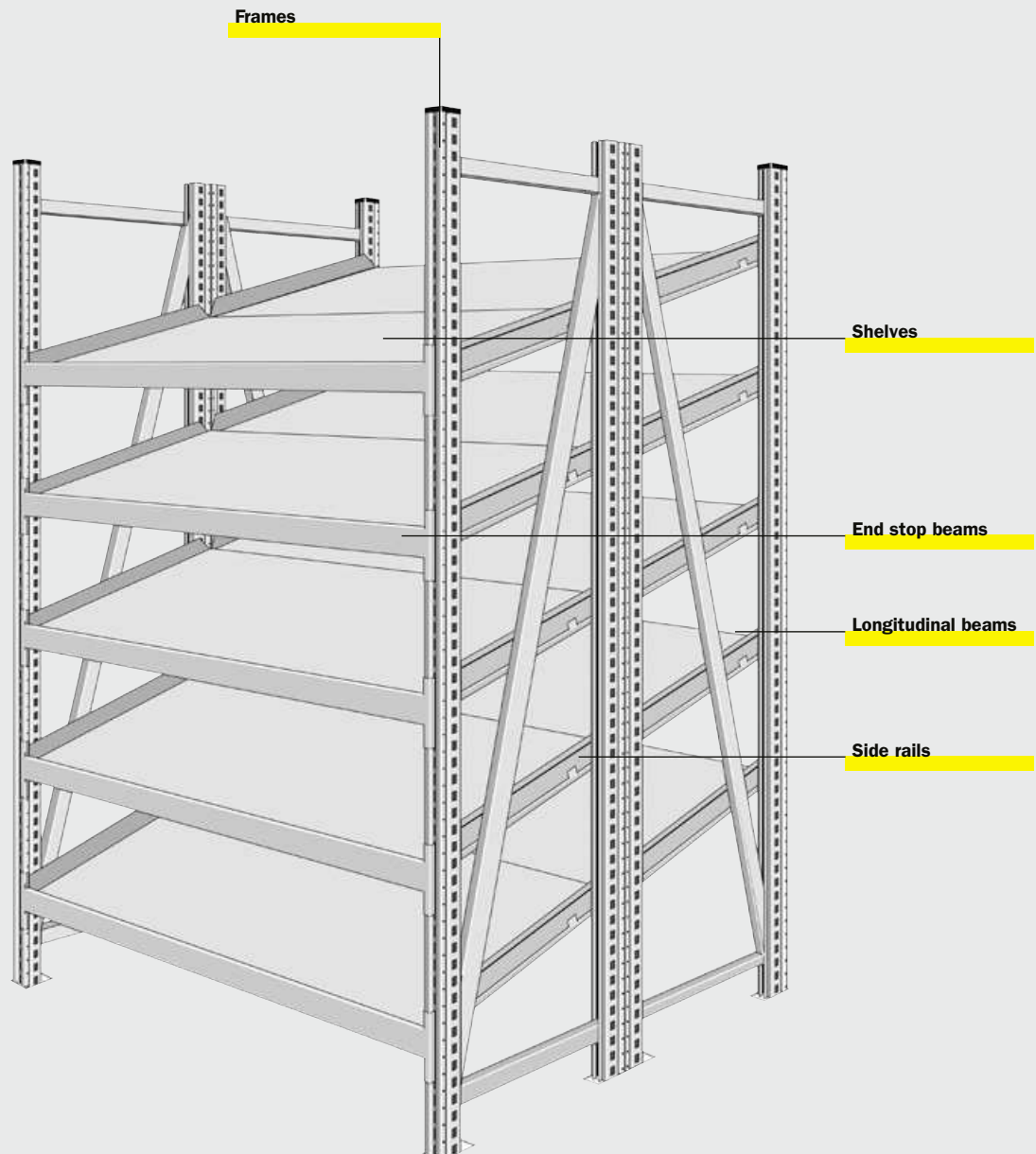
The high load capacity of max. 2.5 tonnes per bay, flexibility due to the combination of basic and extension bays to create shelving rows, the variability of the shelving depths through the single-row and double-row configurations, along with the cost-effective design, distinguish this popular and proven shelving system from SSI SCHAEFER.

Free-standing dividers can be inserted with a 41 mm spacing pattern to partition the shelving.

Pre-assembled frames and system components that can be assembled without screws enable the shelving to be set up rapidly.

On inclined levels, an end stop beam secures the containers. The side rails prevent goods from falling between the rack frames.

- ▶ **Easy and rapid installation**
- ▶ **Stable and sturdy**
- ▶ **Slotted and pre-assembled upright frame**
- ▶ **Rack rows of any desired length**
- ▶ **Starter and extension bay construction**
- ▶ **Inclined shelf levels**  
gravity-forced sliding to the removal side with improved handling
- ▶ **Height-adjustable shelves**  
shelves with a 53 mm hole pattern
- ▶ **Shelf height 30 mm**
- ▶ **Single part staging**  
directly at the assembly work station
- ▶ **Suitable for under-carriages**
- ▶ **First-in-First-out principle (FiFo)**
- ▶ **Reduces costs**



# “G” single-row shelving



Example with 5 levels  
Offer without containers

## “G” complete shelving system with 3 flat shelf levels (starter bays) 1,534 mm high

2 pre-assembled upright frames, 6 longitudinal beams, 3 shelves, 6 side rails, 1 load sign.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-GF-G-3	400	995	100	6670905
MBR-741283-GF-G-3		1,283	150	6670909
MBR-750995-GF-G-3	500	995	100	6670906
MBR-751283-GF-G-3		1,283	150	6670910
MBR-760995-GF-G-3	600	995	100	6670907
MBR-761283-GF-G-3		1,283	150	6670911
MBR-780995-GF-G-3	800	995	200	6670908
MBR-781283-GF-G-3		1,283	250	6670912

### Extension bays

1 pre-assembled upright frame, 6 longitudinal beams, 3 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-AF-G-3	400	995	100	6670945
MBR-741283-AF-G-3		1,283	150	6670949
MBR-750995-AF-G-3	500	995	100	6670946
MBR-751283-AF-G-3		1,283	150	6670950
MBR-760995-AF-G-3	600	995	100	6670947
MBR-761283-AF-G-3		1,283	150	6670951
MBR-780995-AF-G-3	800	995	200	6670948
MBR-781283-AF-G-3		1,283	250	6670952

### Additional compartment levels

2 longitudinal beams, 1 shelf.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-ZF-G	400	995	100	6670985
MBR-741283-ZF-G		1,283	150	6670989
MBR-750995-ZF-G	500	995	100	6670986
MBR-751283-ZF-G		1,283	150	6670990
MBR-760995-ZF-G	600	995	100	6670987
MBR-761283-ZF-G		1,283	150	6670991
MBR-780995-ZF-G	800	995	200	6670988
MBR-781283-ZF-G		1,283	250	6670992

Order no. = on stock

## “G” complete shelving system with 5 flat shelf levels (starter bays) 2,170 mm high

2 pre-assembled upright frames, 10 longitudinal beams, 5 shelves, 10 side rails, 1 load sign.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-GF-G-5	400	995	100	6670913
MBR-741283-GF-G-5		1,283	150	6670917
MBR-750995-GF-G-5	500	995	100	6670914
MBR-751283-GF-G-5		1,283	150	6670918
MBR-760995-GF-G-5	600	995	100	6670915
MBR-761283-GF-G-5		1,283	150	6670919
MBR-780995-GF-G-5	800	995	200	6670916
MBR-781283-GF-G-5		1,283	250	6670920

### Extension bays

1 pre-assembled upright frame, 10 longitudinal beams, 5 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-AF-G-5	400	995	100	6670953
MBR-741283-AF-G-5		1,283	150	6670957
MBR-750995-AF-G-5	500	995	100	6670954
MBR-751283-AF-G-5		1,283	150	6670958
MBR-760995-AF-G-5	600	995	100	6670955
MBR-761283-AF-G-5		1,283	150	6670959
MBR-780995-AF-G-5	800	995	200	6670956
MBR-781283-AF-G-5		1,283	250	6670960

### Additional compartment levels

2 longitudinal beams, 1 shelf.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-ZF-G	400	995	100	6670985
MBR-741283-ZF-G		1,283	150	6670989
MBR-750995-ZF-G	500	995	100	6670986
MBR-751283-ZF-G		1,283	150	6670990
MBR-760995-ZF-G	600	995	100	6670987
MBR-761283-ZF-G		1,283	150	6670991
MBR-780995-ZF-G	800	995	200	6670988
MBR-781283-ZF-G		1,283	250	6670992

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support

# “S” single-row shelving



Example with 5 levels  
Offer without containers

## “S” complete shelving system with 3 tilted shelf levels (starter bays) 1,534 mm high

2 pre-assembled upright frames, 3 longitudinal and 3 end stop beams, 3 shelves, 6 side rails, 1 load sign.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-GF-S-3	400	995	100	6670921
MBR-741283-GF-S-3		1,283	150	6670925
MBR-750995-GF-S-3	500	995	100	6670922
MBR-751283-GF-S-3		1,283	150	6670926
MBR-760995-GF-S-3	600	995	100	6670923
MBR-761283-GF-S-3		1,283	150	6670927
MBR-780995-GF-S-3	800	995	200	6670924
MBR-781283-GF-S-3		1,283	250	6670928

### Extension bays

1 pre-assembled upright frame, 3 longitudinal and 3 end stop beams, 3 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-AF-S-3	400	995	100	6670961
MBR-741283-AF-S-3		1,283	150	6670965
MBR-750995-AF-S-3	500	995	100	6670962
MBR-751283-AF-S-3		1,283	150	6670966
MBR-760995-AF-S-3	600	995	100	6670963
MBR-761283-AF-S-3		1,283	150	6670967
MBR-780995-AF-S-3	800	995	200	6670964
MBR-781283-AF-S-3		1,283	250	6670968

### Additional compartment levels

1 longitudinal and 1 end stop beam, 1 shelf.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-ZF-S	400	995	100	6670993
MBR-741283-ZF-S		1,283	150	6670997
MBR-750995-ZF-S	500	995	100	6670994
MBR-751283-ZF-S		1,283	150	6670998
MBR-760995-ZF-S	600	995	100	6670995
MBR-761283-ZF-S		1,283	150	6670999
MBR-780995-ZF-S	800	995	200	6670996
MBR-781283-ZF-S		1,283	250	6671000

## “S” complete shelving system with 5 tilted shelf levels (starter bays) 2,170 mm high

2 pre-assembled upright frames, 5 longitudinal and 5 end stop beams, 5 shelves, 10 side rails, 1 load sign.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-GF-S-5	400	995	100	6670929
MBR-741283-GF-S-5		1,283	150	6670933
MBR-750995-GF-S-5	500	995	100	6670930
MBR-751283-GF-S-5		1,283	150	6670934
MBR-760995-GF-S-5	600	995	100	6670931
MBR-761283-GF-S-5		1,283	150	6670935
MBR-780995-GF-S-5	800	995	200	6670932
MBR-781283-GF-S-5		1,283	250	6670936

### Extension bays

1 pre-assembled upright frame, 5 longitudinal and 5 end stop beams, 5 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-AF-S-5	400	995	100	6670969
MBR-741283-AF-S-5		1,283	150	6670973
MBR-750995-AF-S-5	500	995	100	6670970
MBR-751283-AF-S-5		1,283	150	6670974
MBR-760995-AF-S-5	600	995	100	6670971
MBR-761283-AF-S-5		1,283	150	6670975
MBR-780995-AF-S-5	800	995	200	6670972
MBR-781283-AF-S-5		1,283	250	6670976

### Additional compartment levels

1 longitudinal and 1 end stop beam, 1 shelf.

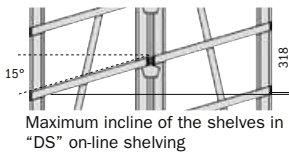
Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-740995-ZF-S	400	995	100	6670993
MBR-741283-ZF-S		1,283	150	6670997
MBR-750995-ZF-S	500	995	100	6670994
MBR-751283-ZF-S		1,283	150	6670998
MBR-760995-ZF-S	600	995	100	6670995
MBR-761283-ZF-S		1,283	150	6670999
MBR-780995-ZF-S	800	995	200	6670996
MBR-781283-ZF-S		1,283	250	6671000

Order no. = on stock





- ▶ **Height-adjustable**  
shelves with a 53 mm hole pattern
- ▶ **Single part provision**  
directly at the assembly work station
- ▶ **First-in-First-out principle**



# "DS" double-row shelving



Example with 5 levels  
Offer without containers

## "DS" complete shelving system with 3 tilted shelf levels (starter bays) 1,534 mm high

4 pre-assembled upright frames, 3 longitudinal and 3 end stop beams, 6 shelf brackets, 6 bracket adapters, 6 shelves, 12 side rails, 1 load sign.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-750995-GF-DS-3	1,000	995	100	6670937
MBR-751283-GF-DS-3		1,283	150	6670939
MBR-760995-GF-DS-3	1,200	995	100	6670938
MBR-761283-GF-DS-3		1,283	150	6670940

## "DS" complete shelving system with 5 tilted shelf levels (starter bays) 2,170 mm high

4 pre-assembled upright frames, upright 5 longitudinal and 5 end stop beams, 10 shelf brackets, 10 bracket adapters, 10 shelves, 20 side rails, 1 load sign.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-750995-GF-DS-5	1,000	995	100	6670941
MBR-751283-GF-DS-5		1,283	150	6670943
MBR-760995-GF-DS-5	1,200	995	100	6670942
MBR-761283-GF-DS-5		1,283	150	6670944

## Extension bays

2 pre-assembled upright frames, 3 longitudinal and 3 end stop beams, 6 shelf brackets, 6 bracket adapters, 6 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-750995-AF-DS-3	1,000	995	100	6670977
MBR-751283-AF-DS-3		1,283	150	6670979
MBR-760995-AF-DS-3	1,200	995	100	6670978
MBR-761283-AF-DS-3		1,283	150	6670980

## Extension bays

2 pre-assembled upright frames, 5 longitudinal and 5 end stop beams, 10 shelf brackets, 10 bracket adapters, 10 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-750995-AF-DS-5	1,000	995	100	6670981
MBR-751283-AF-DS-5		1,283	150	6670983
MBR-760995-AF-DS-5	1,200	995	100	6670982
MBR-761283-AF-DS-5		1,283	150	6670984

## Additional compartment levels

1 longitudinal and 1 end stop beam, 2 shelf brackets, 2 bracket adapters, 2 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-750995-ZF-DS	1,000	995	100	6671001
MBR-751283-ZF-DS		1,283	150	6671003
MBR-760995-ZF-DS	1,200	995	100	6671002
MBR-761283-ZF-DS		1,283	150	6671004

## Additional compartment levels

1 longitudinal and 1 end stop beam, 2 shelf brackets, 2 bracket adapters, 2 shelves.

Item	Usable depth (mm)	Clear bay width (mm)	Max. load per shelf (kg)	Order no.
MBR-750995-ZF-DS	1,000	995	100	6671001
MBR-751283-ZF-DS		1,283	150	6671003
MBR-760995-ZF-DS	1,200	995	100	6671002
MBR-761283-ZF-DS		1,283	150	6671004

**Note:** Due to technical reasons, the front and rear levels of double-row designs may have slightly different angles.

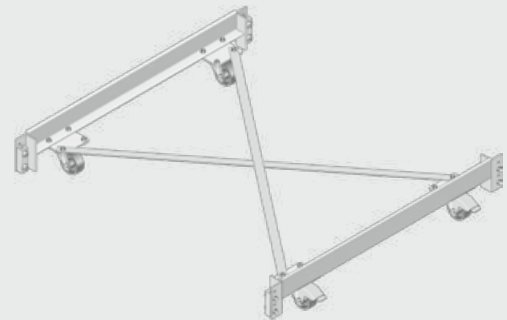
# Individual components



Individual components for the "G, S, DS" on-line shelving				
Item	Usable depth (mm)	Height/Length (mm)	Load (max. kg)	Order no.
<b>Frames</b>				
RRL 7401 V	400	1,534	2,500	39205
RRL 7501 V	500	1,534	2,500	39215
RRL 7601 V	600	1,534	2,500	39225
RRL 7801 V	800	1,534	2,500	39235
RRL 7402 V	400	2,170	2,500	39950
RRL 7502 V	500	2,170	2,500	76610
RRL 7602 V	600	2,170	2,500	39200
RRL 7802 V	800	2,170	2,500	38900
<b>Longitudinal beams</b>				
LTR 7099	400 - 800	995	250	39250
LTR 7128	400 - 800	1,283	250	39260
<b>End stop beams</b>				
ATR 74099	400	995	250	39980
ATR 7099	500 - 800	995	250	39220
ATR 74128	400	1,283	250	39990
ATR 7128	500 - 800	1,283	250	39230
<b>Shelves</b>				
ZB 4413 V	400	30/ 995	100	27012
ZB 4513 V	500	30/1,283	150	27032
ZB 4613 V	600	30/ 995	100	27072
ZB 4823 V	800	30/1,283	150	27172
ZB 9415 V	400	30/ 995	100	38102
ZB 9515 V	500	30/1,283	150	38112
ZB 9615 V	600	30/ 995	200	38132
ZB 9825 V	800	30/1,283	250	38282
<b>Side rails</b>				
SF 3404	400	40	-	330880
SF 3504	500	40	-	330890
SF 3604	600	40	-	330900
SF 3804	800	40	-	330910
<b>Accessories</b>				
ZBK 7000	Shelf bracket for DS design			39280
KA 7000	Bracket adapter for DS design			39290
ZBT 7000	Shelf support* (4 pcs. per shelf)			38930
AK 7000	Cover caps for rack frames			29350
SRTS	Load sign**			39070

\* Only usable for level shelves in combination with at least 3 reinforcing beam levels

\*\* As per DG-UV-Regel 108-007 where required



## Undercarriage for R 7000 glide real on-line shelving

For easily relocating basic shelving units. Consisting of 2 beams, 1 cross brace and 4 swivel castors, 2 with lock. Load capacity per undercarriage 500 kg.

Item	Bay width (mm)	Frame depth (mm)	Order no.
TFW 70610	995	600	321300
TFW 70810		800	321301
TFW 71010		1,000	321302
TFW 71210		1,200	321303
TFW 70613	1,283	600	321304
TFW 70813		800	321305
TFW 71013		1,000	321306
TFW 71213		1,200	321307

## Undercarriage for modular shelvings

Enables easy relocation of basic shelving units when unloaded.

Consisting of 4 swivel castors, 2 with locks. Bolted assembly with adapter plate directly underneath the supports. One beam and 4 frame connectors are delivered for the required reinforcement. In addition, 2 sliding bars made of plastic are included in the delivery.



**Safety note:**  
Shelving units may only be moved when unloaded.

Item	Bay width (mm)	Height (mm)	Load max. (kg)	Order no.
FW 70995	995	155	500	79210
FW 71283	1,283	155	500	79220

Order no. = on stock



**R 7000 on-line shelving**

**Customer Service & Support**

**On-line shelving / KDR shelving**

**Cantilever racking**

**Pallet racking**

**Longspan racking**

**Modular shelving**

# KDR – the live storage shelving system with diverse options



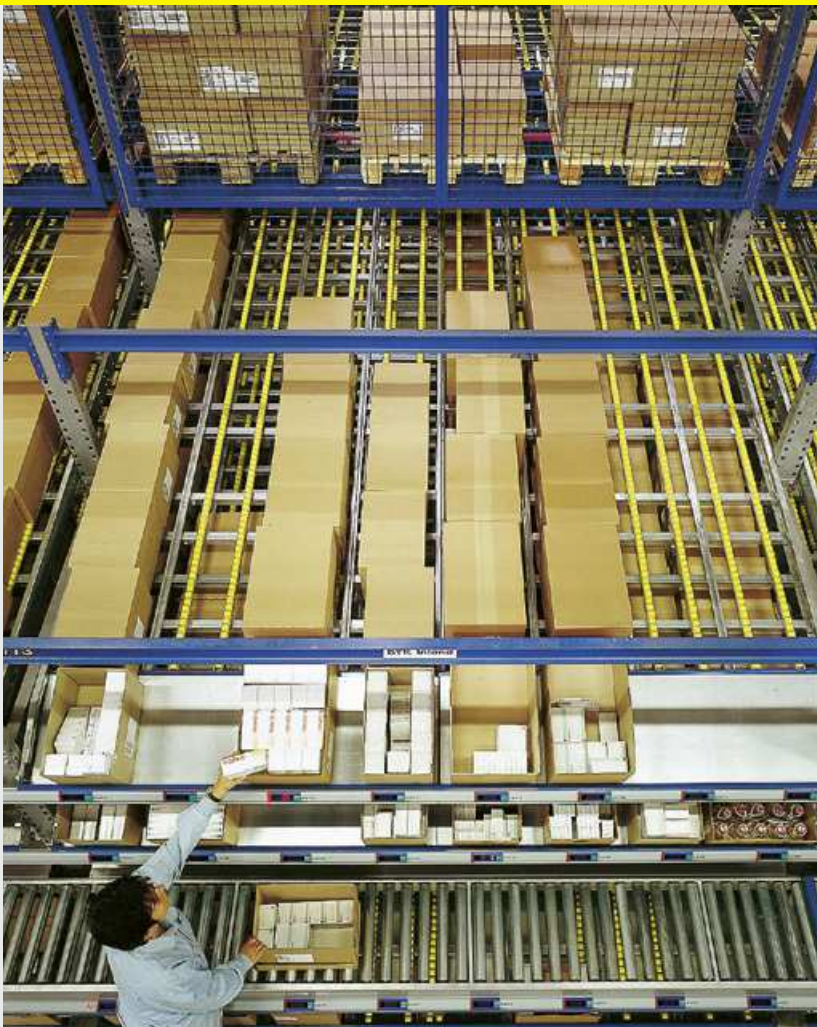
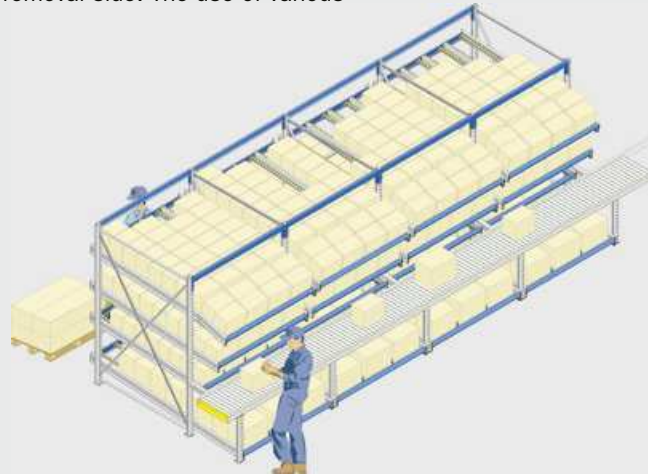
Stable and sturdy frames connected to reinforcing beams create a “rack scaffold” for fitting complete live storage shelving units. The height and angle of the flow beds can be quickly adjusted without screws using adjusting hooks in steps of 6.25 mm (post type P63/P65) or 12.5 mm (post type P73/P93) and also horizontally in 25 mm steps.

The staircase design of the flow beds with outfeed panels or enabled geometry can fulfill all ergonomic requirements.

Transverse transport conveyors can be connected cost-effectively using underlays placed on the supports.

Robust roller tracks in various designs guarantee problem-free movement of the containers from the supply to the removal side. The use of various

separating strip systems enables the configuration of guides (channels) for the specific load carrier types.



# KDR system design – stationary

**i**

**GENTIAN BLUE** Beams  
RAL 5010

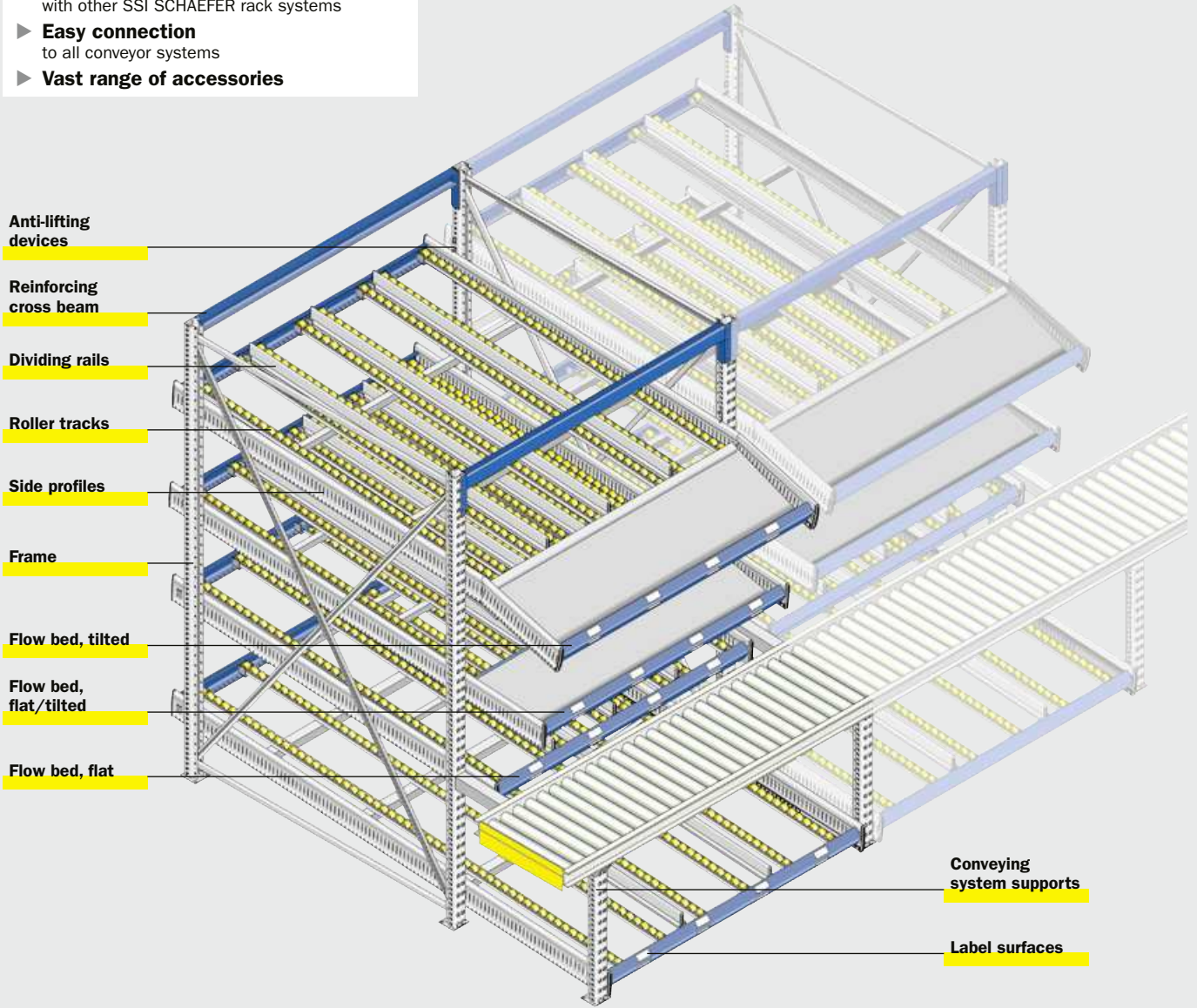
**GALVANIZED** Frame  
Glide rails  
Brackets  
Adapter

- ▶ **High load capacity**  
and high rigidity due to sturdy support, 60, 75 and 90 mm thick
- ▶ **System hole pattern**  
in the upright profiles with adjustment spacing 50 : 50 mm
- ▶ **The best height and gradient adjustment**  
of the flow bed to the storage goods due to the small hole pattern, e.g. 6.25 mm
- ▶ **Plug-in anti-lifting device**
- ▶ **Flexible and modular bold-free system**  
due to adjustable rolls and partitions for configuring channels with a spacing of 5 mm per roll
- ▶ **Roller tracks for smooth conveying**  
optionally with a load capacity of 5 kg and 12 kg
- ▶ **Can be combined**  
with other SSI SCHAEFER rack systems
- ▶ **Easy connection**  
to all conveyor systems
- ▶ **Vast range of accessories**

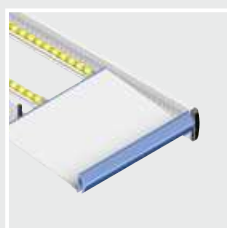


### Starter and extension bay construction

The stationary design is available with either the starter or extension bay construction. Anchoring the uprights to the floor prevents the bays from slipping and provides additional stability.



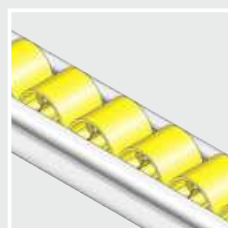
Flow bed, flat



Flow bed, flat/tilted



Flow bed, tilted



Roller track



Dividing rail

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support

## KDR/KLT live storage – the system for KLT containers



Further information about the KDR system

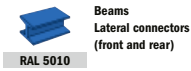
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GENTIAN BLUE

GALVANIZED



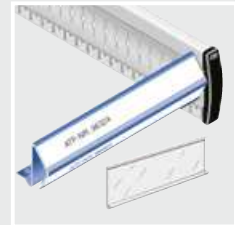
- ▶ **High load capacity**  
and high rigidity due to sturdy support, 60, 75 and 90 mm thick
- ▶ **System hole pattern**  
in the upright profiles with adjustment spacing 50 : 50 mm
- ▶ **The best height and gradient adjustment**  
of the flow bed to the storage goods due to the small hole pattern, e.g. 6.25 mm
- ▶ **Plug-in anti-lifting device**
- ▶ **Flexible and modular bolt-free system**  
due to adjustable rolls and partitions for configuring channels with a spacing of 5 mm
- ▶ **Roller tracks for smooth conveying**  
optionally with a load capacity of 5 kg and 12 kg
- ▶ **Can be combined**  
with other SSI SCHAEFER rack systems
- ▶ **Easy connection**  
to all conveyor systems
- ▶ **Vast range of accessories**

# KDR/KLT – with undercarriage

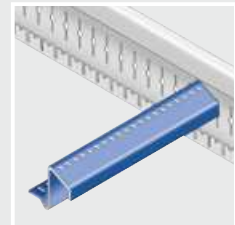
## Starter bay construction

The movable units are constructed using starter bays.

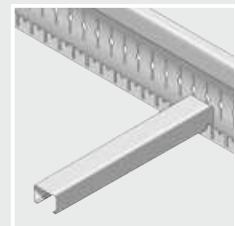
For containers with a “honeycomb base” (C-KLTs with grooves) and containers with a large stacking rim, there is a KLT model for the special requirements.



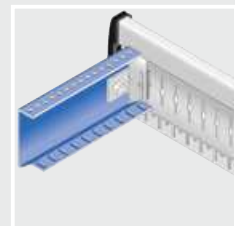
Lateral connectors, front



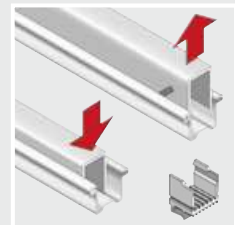
Lateral connectors, tilted



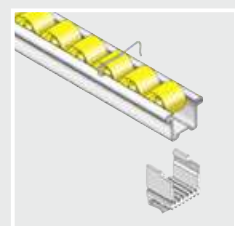
Lateral connectors, internal



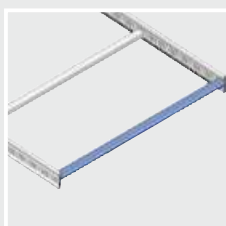
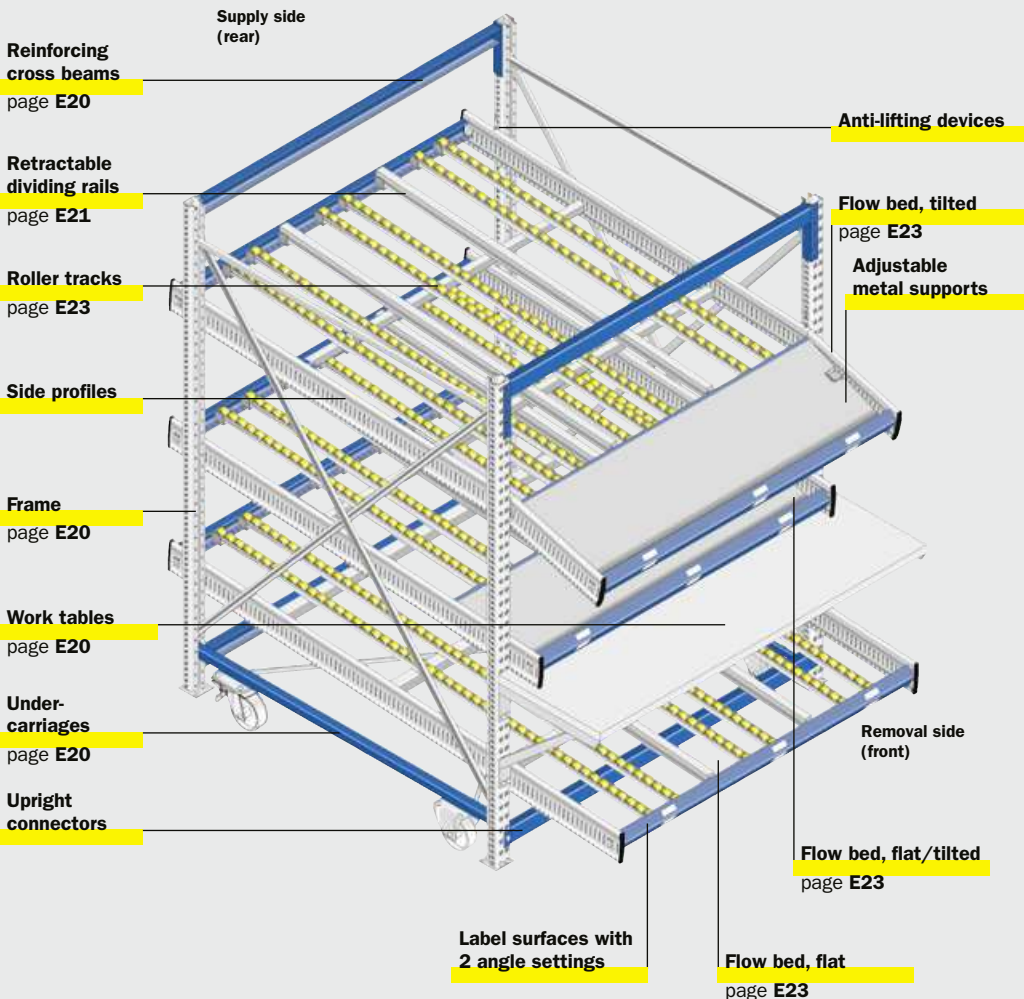
Lateral connectors, rear KLT



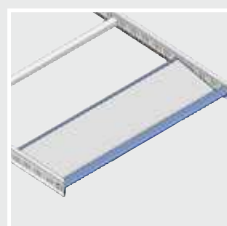
Retractable dividing rail with docking clip



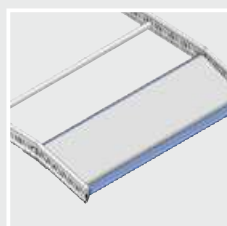
Roller track with brake clip and brake strap



Flow bed, flat



Flow bed, flat/tilted



Flow bed, tilted



Anti-lifting device      Cover caps

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support

# KDR/KLT live storage shelving – conductive design (ESD) for protecting high-quality electronic components

## Protection against electrostatic discharge

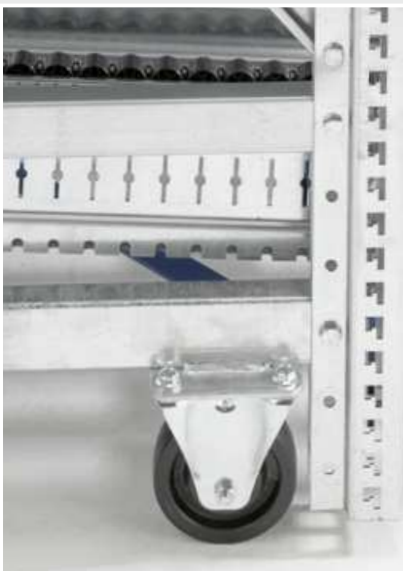
Protection against electrostatic discharge creates special requirements for shelving equipment. According to EN 61340-5-1:2001 it is essential that all of the individual measures for handling these sensitive components are effectively coordinated with each other.

In particular, this applies to the packaging of the electronic components, the transport containers, the shelving equipment, the conduct of flooring or the Echo potential bonding and, not least, the protective clothing worn by the employees working in ESD areas.



**i** Further information about the KDR system in conductive design (ESD)

on request



Fixed castor, conductive



Dividing rails and conductive roller tracks



Swivel castor with stopper



GENTIAN BLUE

GALVANIZED



Beams

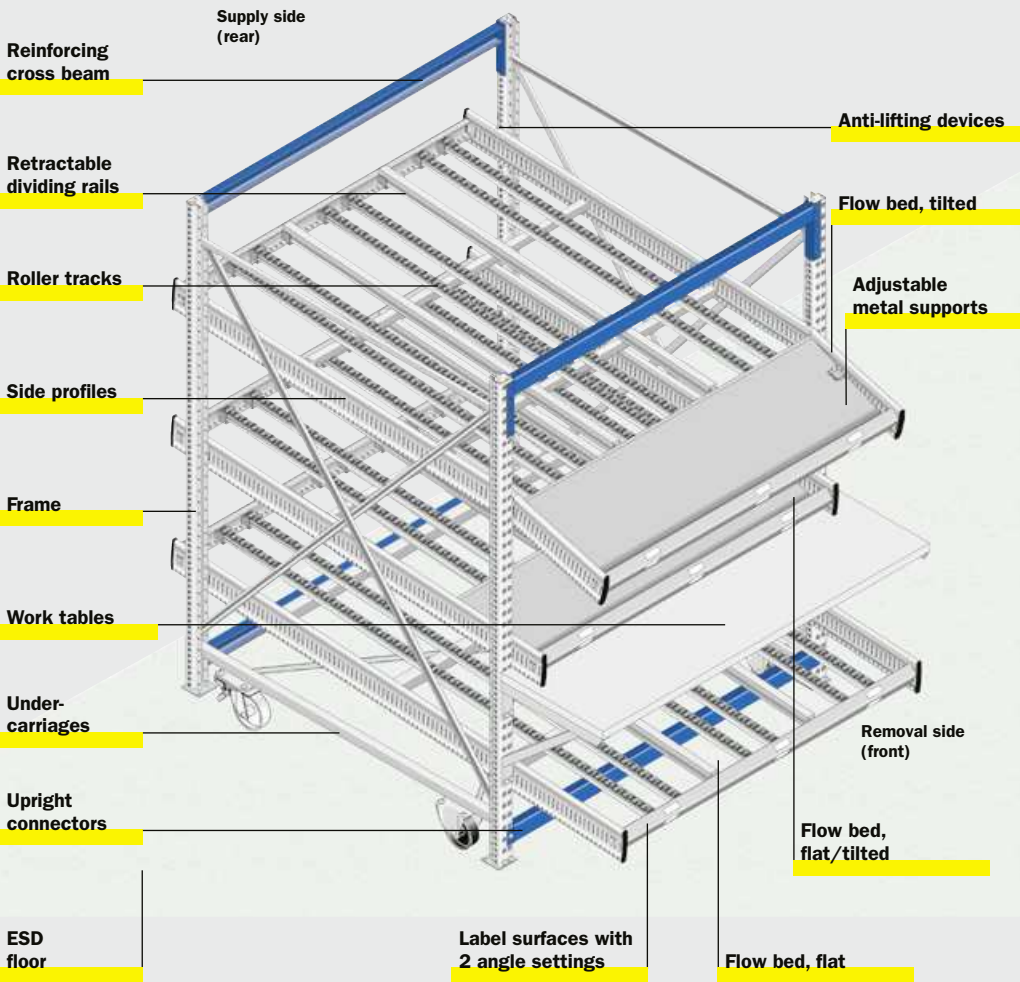


Frame  
Lateral connector  
Undercarriage beams  
Outfeed panels

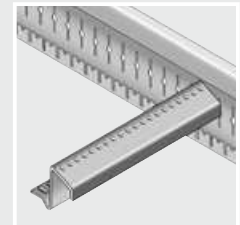
- ▶ **High load capacity**  
and high rigidity due to sturdy uprights, 60, 75 and 90 mm thick
- ▶ **System hole pattern**  
in the upright profiles with adjustment spacing 50 : 50 mm
- ▶ **The best height and gradient adjustment**  
of the flow bed to the storage goods due to the small hole pattern, e.g. 6.25 mm
- ▶ **Plug-in anti-lifting device**
- ▶ **Flexible and modular bolt-free system**  
due to adjustable rolls and partitions for configuring channels with a spacing of 5 mm
- ▶ **Roller tracks for smooth conveying**  
with a load capacity of 12 kg
- ▶ **Highly conductive rollers**  
black, with steel axles
- ▶ **Can be combined**  
with other SSI SCHAEFER rack systems
- ▶ **Easy connection**  
to all conveyor systems
- ▶ **Vast range of accessories**
- ▶ **Quality tested and certified**  
by TÜV Rheinland



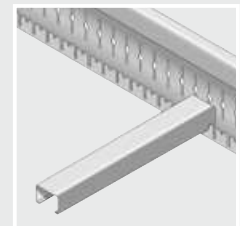
# KDR/KLT system design for ESD version – with undercarriage



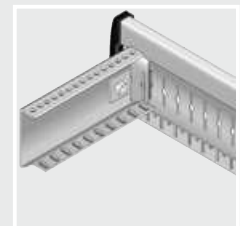
Lateral connectors, front



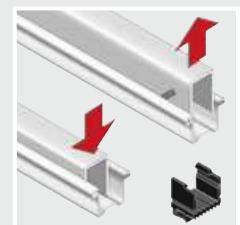
Lateral connectors, tilted



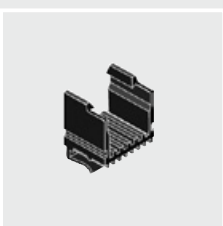
Lateral connectors, internal



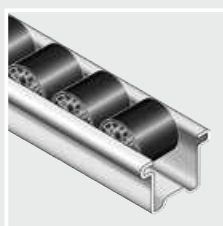
Lateral connectors, rear KLT



Retractable dividing rail with docking clip



Docking clip, conductive



Roller track, conductive



Fixed castor, conductive



Undercarriage, conductive



Roller track with brake clip and brake strap

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

On-line shelving / KDR shelving

Customer Service & Support

**i**

**GENTIAN BLUE** **RAL 5010**

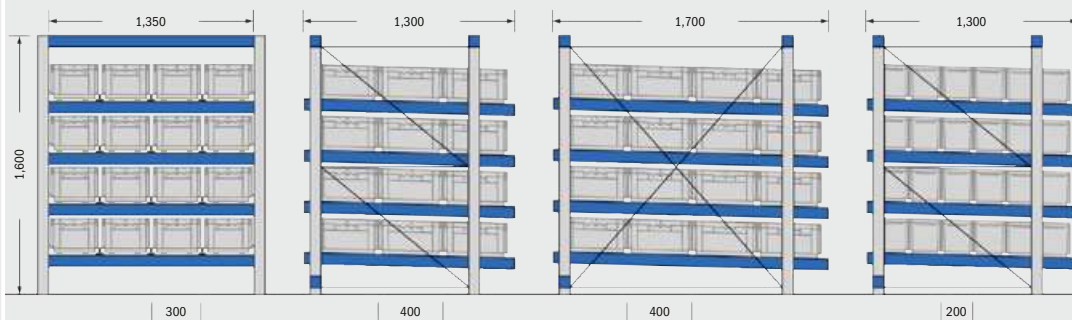
**GALVANIZED**

Beams  
Lateral connectors (front and rear)

Frame  
Side profiles  
Internal connectors (internal)  
Roller and partition strips

# KDR live storage shelving with European dimensions – complete shelving units for container sizes 300 x 400 mm / 200 x 300 mm

- ▶ **Stable**  
sturdy upright frame, 3 reinforcing cross beams per bay, floor fixing
- ▶ **Rollers**  
with plastic axles, load capacity 5 kg per individual roller



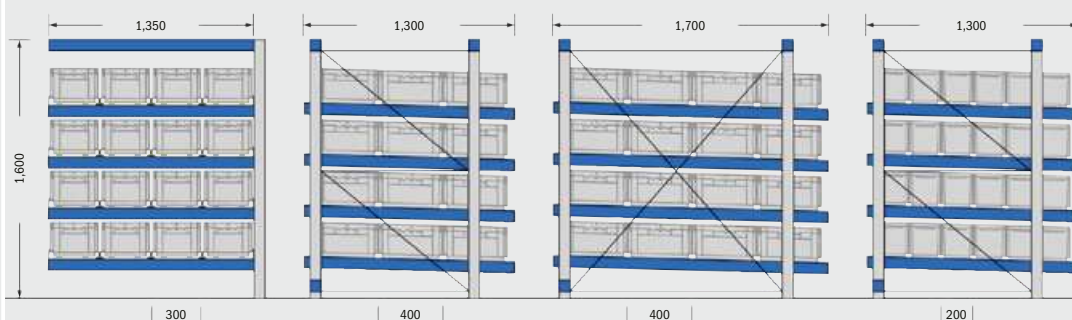
## KDR complete shelving system – starter bays

Consisting of 2 frames and 3 reinforcing cross beams.

Equipment for each shelving bay:  
4 flat flow beds above each other;  
8 roller tracks per flow bed, 28 mm divisions;  
3 standard dividing rails per flow bed.

Clear bay width 1,350 mm, clear channel width 310 mm, total width 1,470 mm, height 1,600 mm

Item	Total depth (mm)	Load capacity live storage level (kg)	Flow bed version	Order no.
<b>K-GF-1350-1300-4-BG01</b>	1,300	180	Flat	<b>464300</b>
<b>K-GF-1350-1700-4-BG01</b>	1,700	270	Flat	<b>464310</b>
<b>additional flow beds</b>				
<b>K-DLR-1350-1300-BG01</b>	1,300	180	Flat	<b>464320</b>
<b>K-DLR-1350-1700-BG01</b>	1,700	270	Flat	<b>464330</b>



## KDR complete shelving system – extension bays

Consisting of 1 frames and 3 reinforcing cross beams.

Equipment for each shelving bay:  
4 tilted flow beds above each other;  
8 roller tracks per flow bed, 28 mm divisions;  
3 standard dividing rails per flow bed.

Clear bay width 1,350 mm, clear channel width 310 mm, total width 1,410 mm, height 1,600 mm

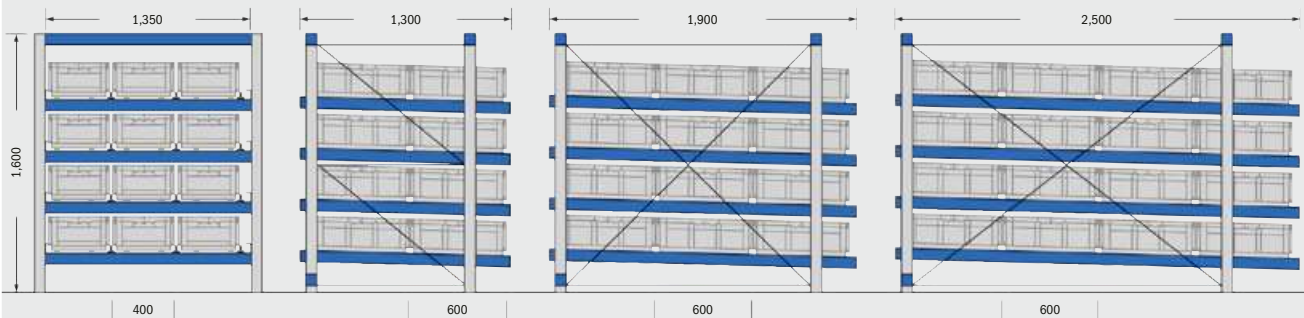
Item	Total depth (mm)	Load capacity live storage level (kg)	Flow bed version	Order no.
<b>K-AF-1350-1300-4-BG01</b>	1,300	180	Flat	<b>464340</b>
<b>K-AF-1350-1700-4-BG01</b>	1,700	270	Flat	<b>464350</b>
<b>additional flow beds</b>				
<b>K-DLR-1350-1300-BG01</b>	1,300	180	Flat	<b>464320</b>
<b>K-DLR-1350-1700-BG01</b>	1,700	270	Flat	<b>464330</b>

Order no. = on stock

# KDR live storage shelving with European dimensions – complete shelving units for container sizes 600 x 400 mm

- **Flow bed, flat**  
angle adjustable in 6.25 mm steps  
depth adjustable in 25 mm steps,  
can also be used as a return level

**i** Further heights 1800/2000/2200/2500 mm  
on request



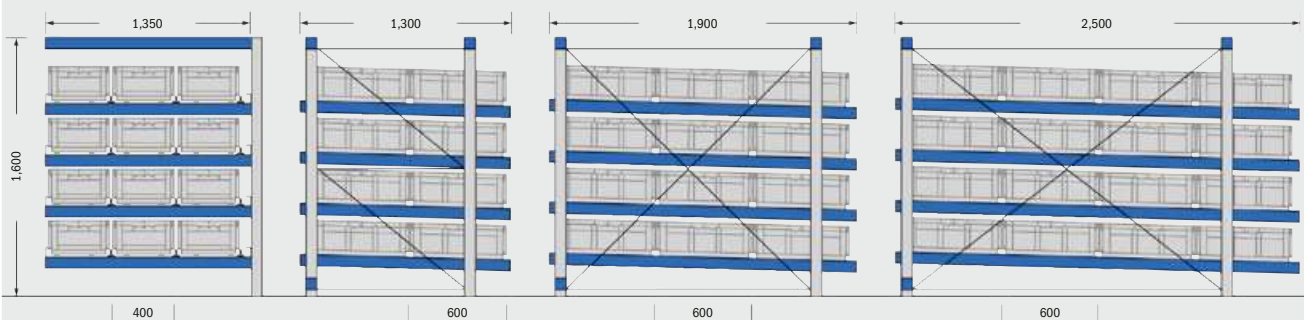
Clear bay width 1,350 mm, clear channel width 410 mm,  
total width 1,470 mm, height 1,600 mm

Item	Total depth (mm)	Load capacity live storage level (kg)	Flow bed version	Order no.
<b>K-GF-1350-1300-4-BG02</b>	1,300	180	Flat	<b>464360</b>
<b>K-GF-1350-1900-4-BG02</b>	1,900	270	Flat	<b>464370</b>
<b>K-GF-1350-2500-4-BG02</b>	2,500	360	Flat	<b>464380</b>
<b>additional flow beds</b>				
<b>K-DLR-1350-1300-BG02</b>	1,300	180	Flat	<b>464390</b>
<b>K-DLR-1350-1900-BG02</b>	1,900	270	Flat	<b>464400</b>
<b>K-DLR-1350-2500-BG02</b>	2,500	360	Flat	<b>464410</b>

### KDR complete shelving system – starter bays

Consisting of 2 frames and 3 reinforcing cross beams.

Equipment for each shelving bay:  
4 tilted flow beds above each other;  
6 roller tracks per flow bed, 28 mm divisions;  
3 standard dividing rails per flow bed.



Clear bay width 1,350 mm, clear channel width 410 mm,  
total width 1,410 mm, height 1,600 mm

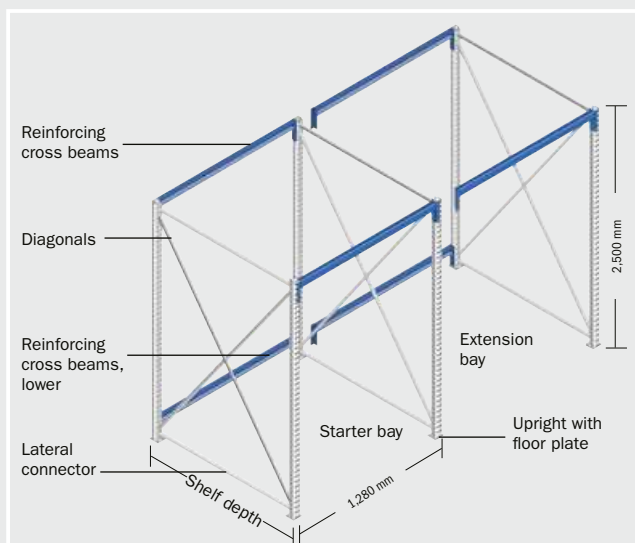
Item	Total depth (mm)	Load capacity live storage level (kg)	Flow bed version	Order no.
<b>K-AF-1350-1300-4-BG02</b>	1,300	180	Flat	<b>464420</b>
<b>K-AF-1350-1900-4-BG02</b>	1,900	270	Flat	<b>464430</b>
<b>K-AF-1350-2500-4-BG02</b>	2,500	360	Flat	<b>464440</b>
<b>additional flow beds</b>				
<b>K-DLR-1350-1300-BG02</b>	1,300	180	Flat	<b>464390</b>
<b>K-DLR-1350-1900-BG02</b>	1,900	270	Flat	<b>464400</b>
<b>K-DLR-1350-2500-BG02</b>	2,500	360	Flat	<b>464410</b>

### KDR complete shelving system – extension bays

Consisting of 1 frames and 3 reinforcing cross beams.

Equipment for each shelving bay:  
4 tilted flow beds above each other;  
6 roller tracks per flow bed, 28 mm divisions;  
3 standard dividing rails per flow bed.

# System components

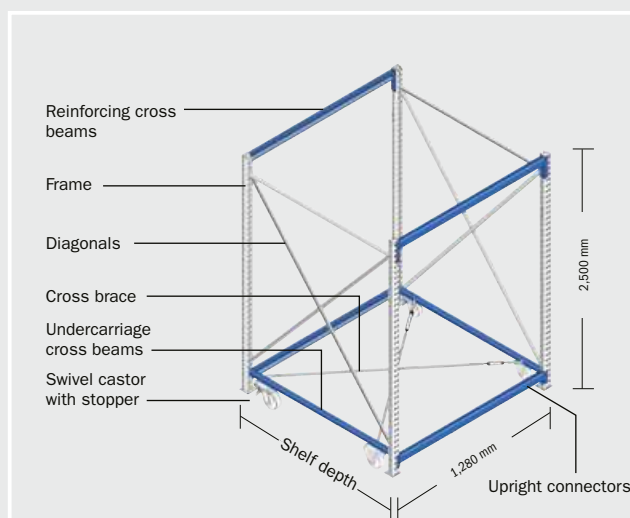
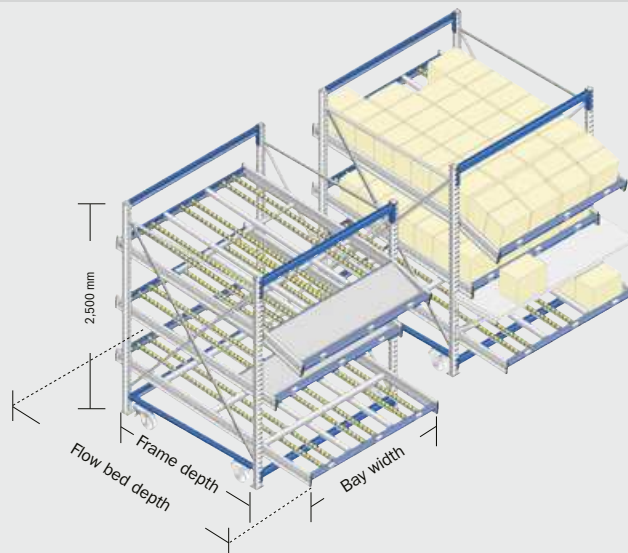
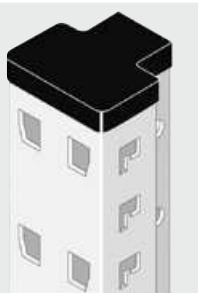


## Starter and extension bays

Starter bays consisting of 2 frames and 3 horizontal beams; extension bays consisting of 1 frame and 3 horizontal beams.

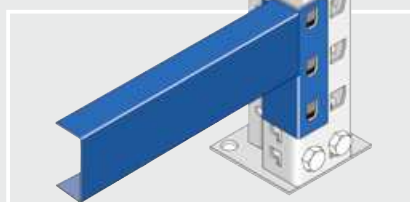
## End caps

High-quality black plastic. Attached to the rack uprights as an end piece.



## Starter bay with undercarriage

Consisting of 2 frames and 2 cross beams, 2 upright connectors, 2 undercarriage cross beam, 1 cross brace, 2 fixed and 2 swivel castors with stoppers. Load capacity per rack bay with undercarriage max. 1,600 kg.

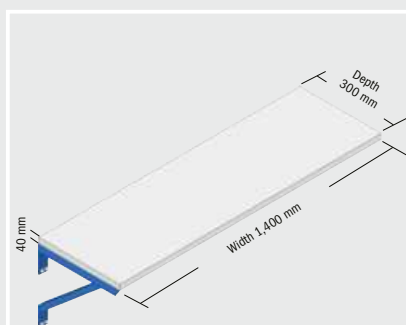


## Reinforcing cross beam (U-profile) for upright profiles P 63, P 65 and P 73

Reinforcing cross beams and uprights form a separate unit. This separates the supporting shelving construction from the live storage levels. As a consequence, a level can be adjusted without having to first storage empty the entire shelving.

The cross beams only serve to reinforce the rack construction and are not intended for storing pallets. Additional reinforcing cross beams are fitted at the rear in accordance with the static requirements.

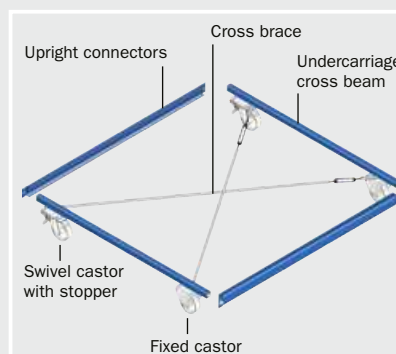
Surface finish: Gentian Blue, RAL 5010.



## Work table

For pre-assembly or storage. 2 cantilever supports and 1 multiplex board, 40 mm thick.

Cantilever surface finish: Gentian Blue, RAL 5010.



## Undercarriage

Enables easy relocation of starter bays.

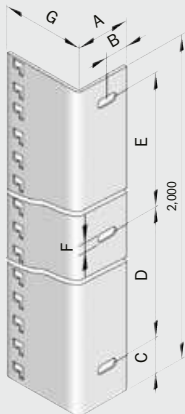
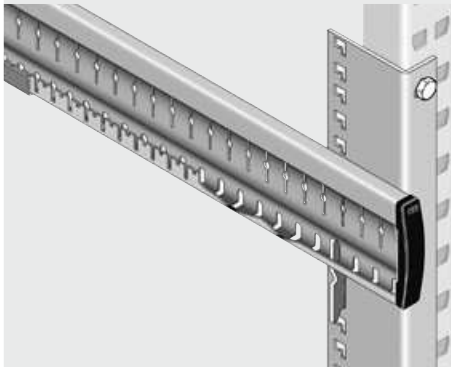
Equipped with 2 upright connectors, 2 undercarriage cross beam, 1 cross brace, 2 fixed castors and 2 swivel castors with stoppers.

Load capacity per shelving bay with undercarriage: max. 1,600 kg.

Surface finish: Gentian Blue, RAL 5010.

- ▶ Can be combined with existing pallet racking systems
- ▶ Shorter paths
- ▶ Time savings
- ▶ Better ergonomics and rapid access
- ▶ Clear product range
- ▶ Automatic resupply of goods
- ▶ First-in-First-out
- ▶ Separate supply and removal procedures

## KDR adapter solutions for pallet racking systems, partition strips



Support adapter, left



### Support adapter

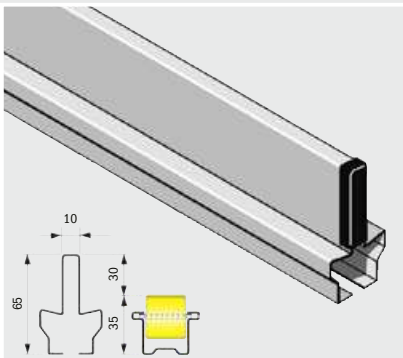
For fastening on rack uprights of existing pallet racking systems – PR 350 and third-party brands. For quick and easy retrofitting with flow beds.

The profiles of the support adapters are individually adapted to the pallet racking uprights.

Article on request.

**When submitting an inquiry, please specify the following dimensions and existing rack brand/type:**

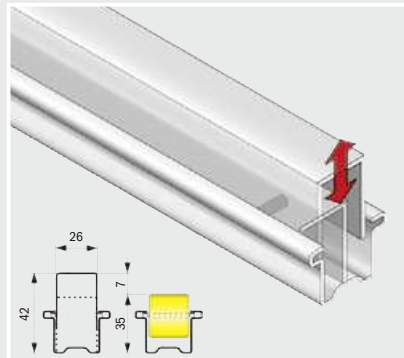
Dimensions	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)



### Standard dividing rails

Made of steel, prevent two stored items running next to each other from jamming. They can be adjusted in 5.0 mm steps and are equipped with protective plugs to prevent hand injuries.

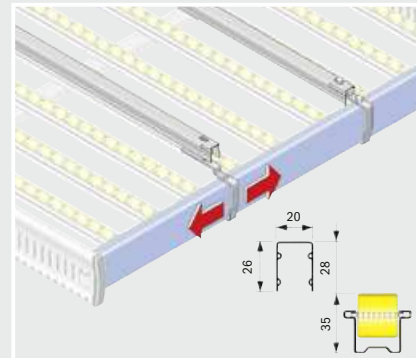
Surface, galvanized.



### Recessed dividing rails

For the universal use of KLT containers.

Surface, galvanized



### Multi dividing rails/clips

Multi dividing rails can be adjusted horizontally in 10 mm steps. Ideal in combination with a roller carpet for frequently changing storage goods.

Surface, galvanized

**Further information about the KDR system**

on request

Modular shelving

Longspan racking

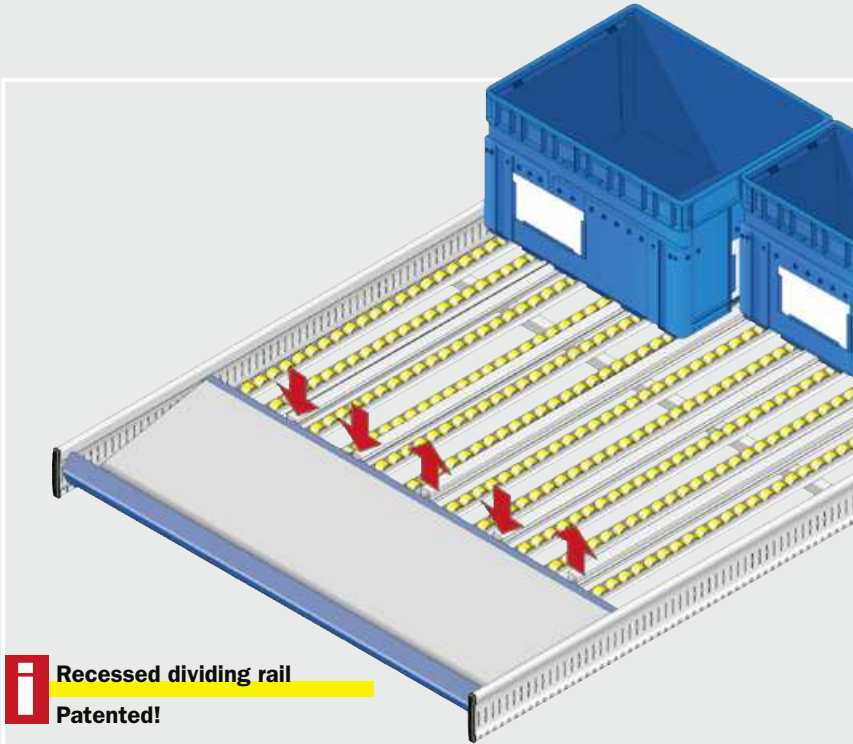
Pallet racking

Cantilever racking

On-line shelving / KDR shelving

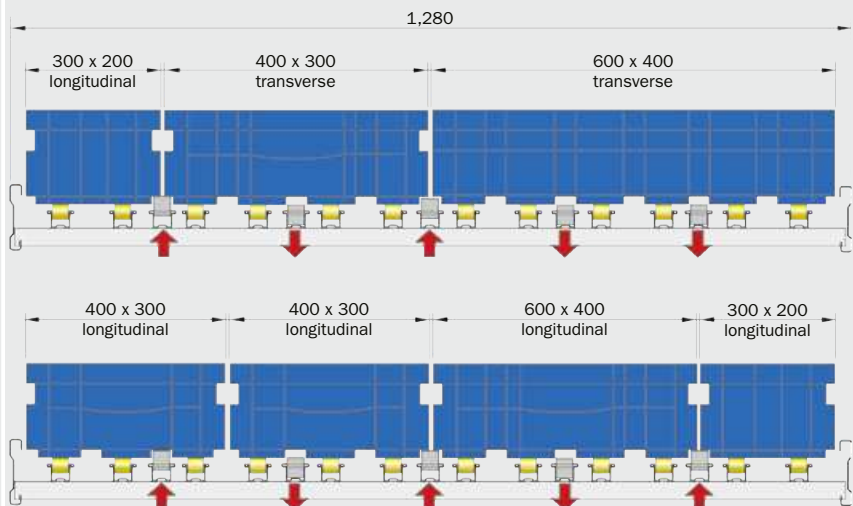
Customer Service & Support

# KLT flow bed with recessed dividing rail



**Recessed dividing rail**  
**Patented!**

**Example for clear bay width of 1,280 mm**



Retracting or extending the dividing rail enables containers with different dimensions to be mixed on one level





**GENTIAN BLUE**

Beams

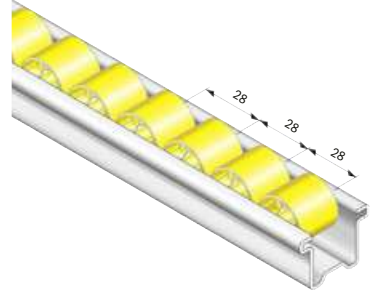
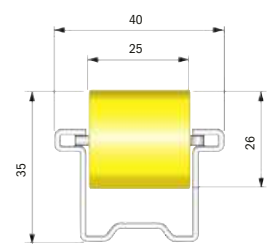
RAL 5010



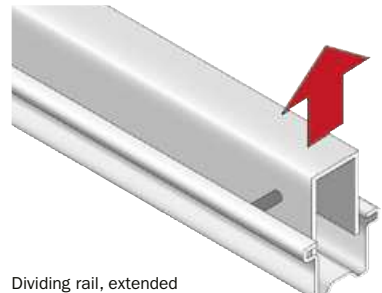
**GALVANIZED**

Frame  
Glide rails  
Brackets  
Adapter

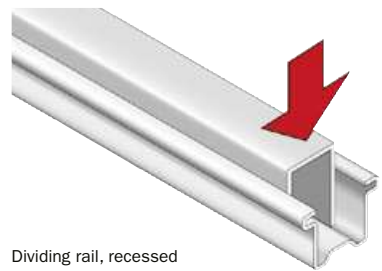
- ▶ **Always the right channel widths** for system containers with 200/400 mm or 300/600 mm standard dimensions through the use of partition strips that can be recessed quickly and without using tools. There is no need to move the partition or roller tracks.
- ▶ **Harmonized rack dimensions** for all KLT container sizes
- ▶ **Easy assembly and adjustment using the bolt-free system**
- ▶ **Usable without conversion** as a conventional live storage shelving
- ▶ **Harmonized system profiles** prevent the container base from jamming
- ▶ **Gradient and height adjustment** in 6.25 mm steps
- ▶ **Without depth restriction** when adjusting the gripping curve
- ▶ **Flow bed with plug-in anti-lifting device**
- ▶ **Locking spreader for roller tracks**
- ▶ **Roller tracks** optionally with steel axle, 12 kg load capacity per roller



▶ **Recessed dividing rail**



Dividing rail, extended



Dividing rail, recessed



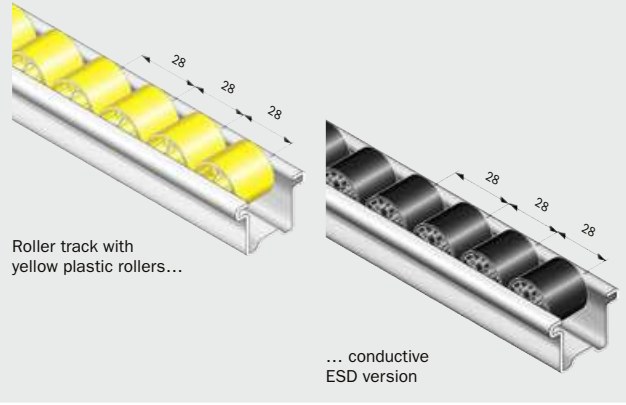
- ▶ **Rigid rail profile**  
with spreading reinforcement made of galvanized sheet steel
- ▶ **Sturdy and durable rollers**  
made of high quality plastic, roller spacing 28 mm
- ▶ **Honeycomb-shaped roller reinforcing**  
for very good form stability and smooth conveying
- ▶ **High load capacity**  
5 kg per roller or 12 kg per roller for the version with a steel axle
- ▶ **Also usable in deep-freeze areas down to -30° C**
- ▶ **Long service life**

**Roller tracks**

The roller load capacity is 5 kg for the version with a plastic axle and 12 kg for versions with a steel axle. The roller tracks are available in lengths from 195 to 6,495 mm in 25 mm steps.

We are happy to provide you with prices above 50 m on request.

Item	Version/ rollers with	Order no.
K-R 28 K	Plastic axle	K-R28K
K-R 28 S	Steel axle	K-R28S
K-R 28 S-ESD	Steel axle	K-R28SESD



Item	Length (mm)	Order no.
K-EH-0880	780	442518
K-EH-1080	980	442538
K-EH-1280	1,180	442558
K-EH-1350	1,250	442565
K-EH-1800	1,700	442610
K-EH-2200	2,100	442650
K-EH-2700	2,600	442700

**Label holder**

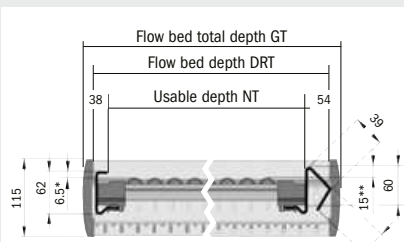
Self-adhesive plastic label holders, total height 33 mm (for label height 30 mm). Without label inserts.

Other versions available on request.

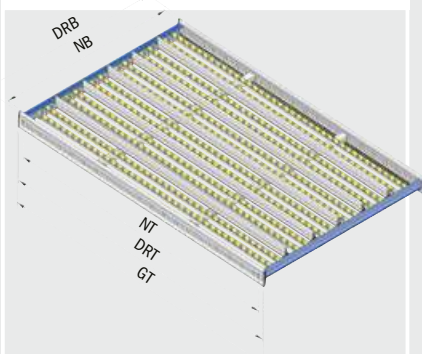


Order no. = on stock

## Flow beds with roller tracks and dividing rails – configuration examples

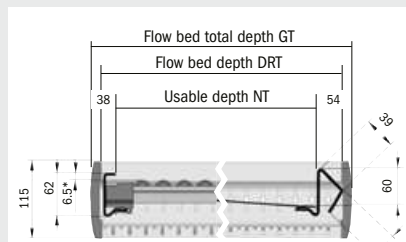


\* Stop height on the supply side  
\*\* Stop height on the removal side

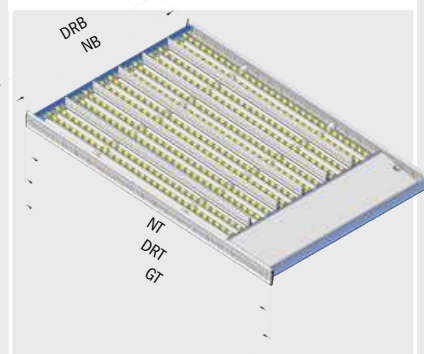


**Version Flat K-D**

Equipped with 12 roller and 5 recessed dividing rails, including adjustment hooks.

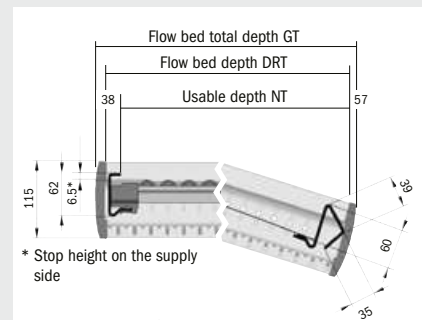


\* Stop height on the supply side

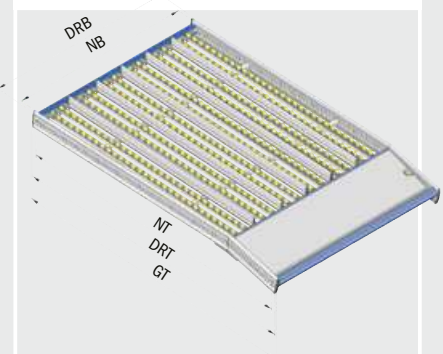


**Version Flat/tilted K-DGK**

Equipped with 12 roller and 5 recessed dividing rails, including adjustment hooks.



\* Stop height on the supply side



**Version Tilted K-DK (10° – 16°)**

Equipped with 12 roller and 5 recessed dividing rails, including adjustment hooks.

Modular shelving

Longspan racking

Pallet racking

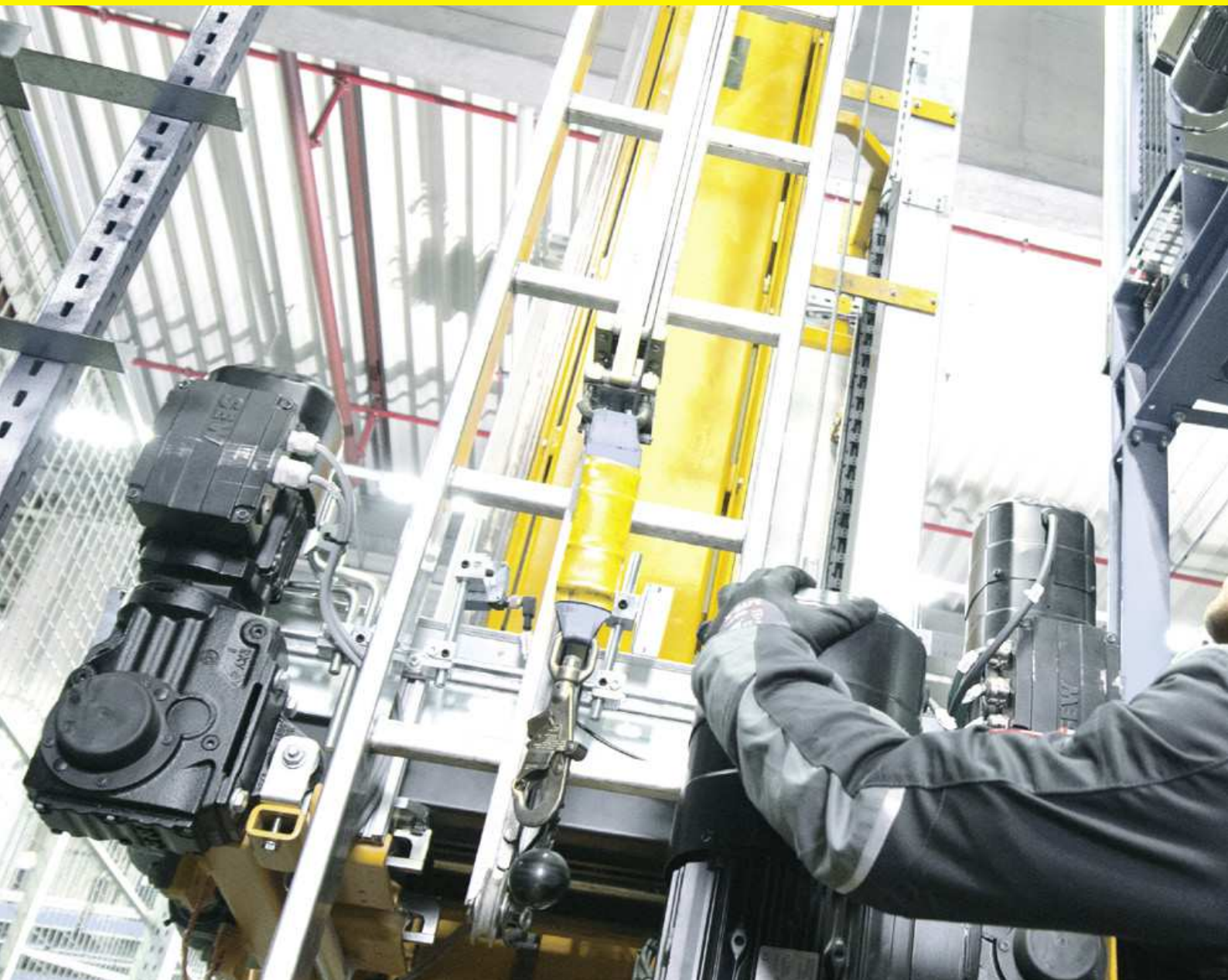
Cantilever racking

On-line shelving/ KDR shelving

Customer Service & Support

# SSI SCHAEFER – comprehensive solutions and services for your intralogistics

Future-proof logistics solutions must fit seamlessly into your operational processes, be infinitely expandable, and adapt flexibly to new conditions. This requires experts who do not think in terms of individual solutions but in terms of systems. At SSI SCHAEFER, a combination of this integrated system philosophy, our broad product portfolio and extensive services are the basis of our success.







## Customer Service & Support 4.0: The future is now

Digitalization is not only revolutionizing production and logistics but also subsequent business processes such as service and support. SSI SCHAEFER offers you a broad portfolio of services, which utilize state-of-the-art technologies such as augmented support or data-driven prevention. You convert your processes to Industry 4.0 – we assist you with Customer Service & Support 4.0. Our Service Account Managers serve as your central contact person for all service inquiries and also compile your tailored service package.

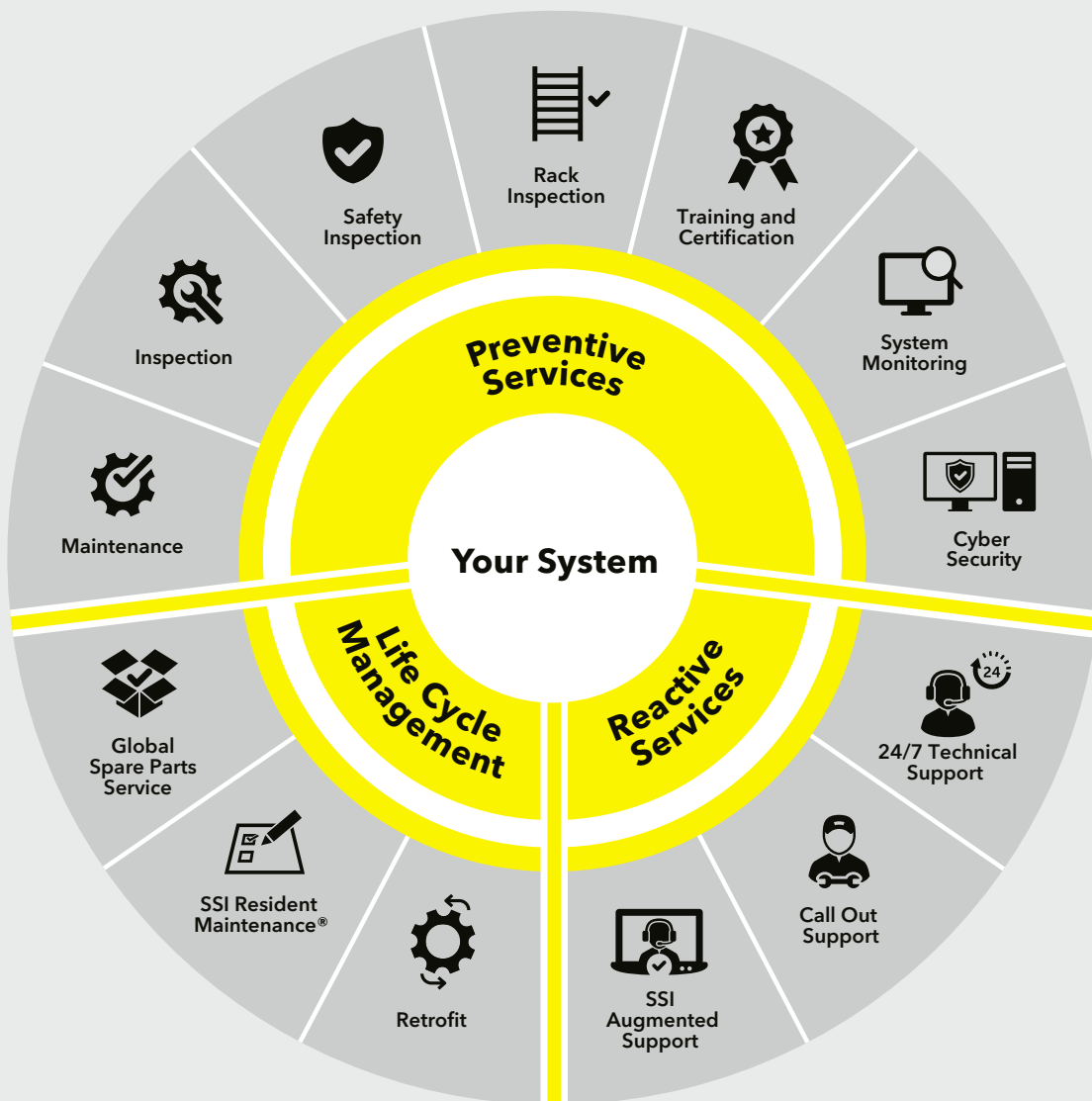
At SSI SCHAEFER, we understand that maximum availability and rapid reaction when service is required are critical to successfully operate a complex logistics system.

We are there for you and offer you competent support. We flexibly adapt our services to your needs and requirements – wherever and whenever you need them and for every scope.



**Preventive Services:  
Optimum system protection**

SSI SCHAEFER carries out maintenance activities, inspections, safety inspections and system monitoring with qualified technicians. We also offer comprehensive trainings for the correct handling and maintenance of your system.



**Life cycle management:  
Service life extension**

Extend the service life of your system with complete on-site service from our technicians, through modernization or expansion along with original spare parts from our web shop.

**Reactive Services:  
Rapid problem solving**

If a fault occurs with your equipment or system, SSI SCHAEFER is there to support you with innovative solutions up to 24 hours a day and 365 days a year.

# Mandatory annual inspection for storage facilities

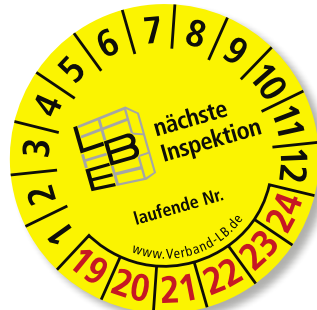
Storage facilities and racking systems are work equipment. In terms of safety, this equipment has to be inspected regularly by a qualified person. The process of these expert inspections are defined in the standard DIN EN 15635.

Our certified and experienced rack inspectors dispose of the required expertise to perform such expert inspections.

Contact us! We will provide advice and support.



ssi-schaefer.com



**i** Manual and automated racking are subject to inspection

Verband für Lagertechnik und Betriebseinrichtungen  
www.Verband.LB.de

Inspektionsprotokoll  
Sichtprüfung nach dem Verbandsvorgaben

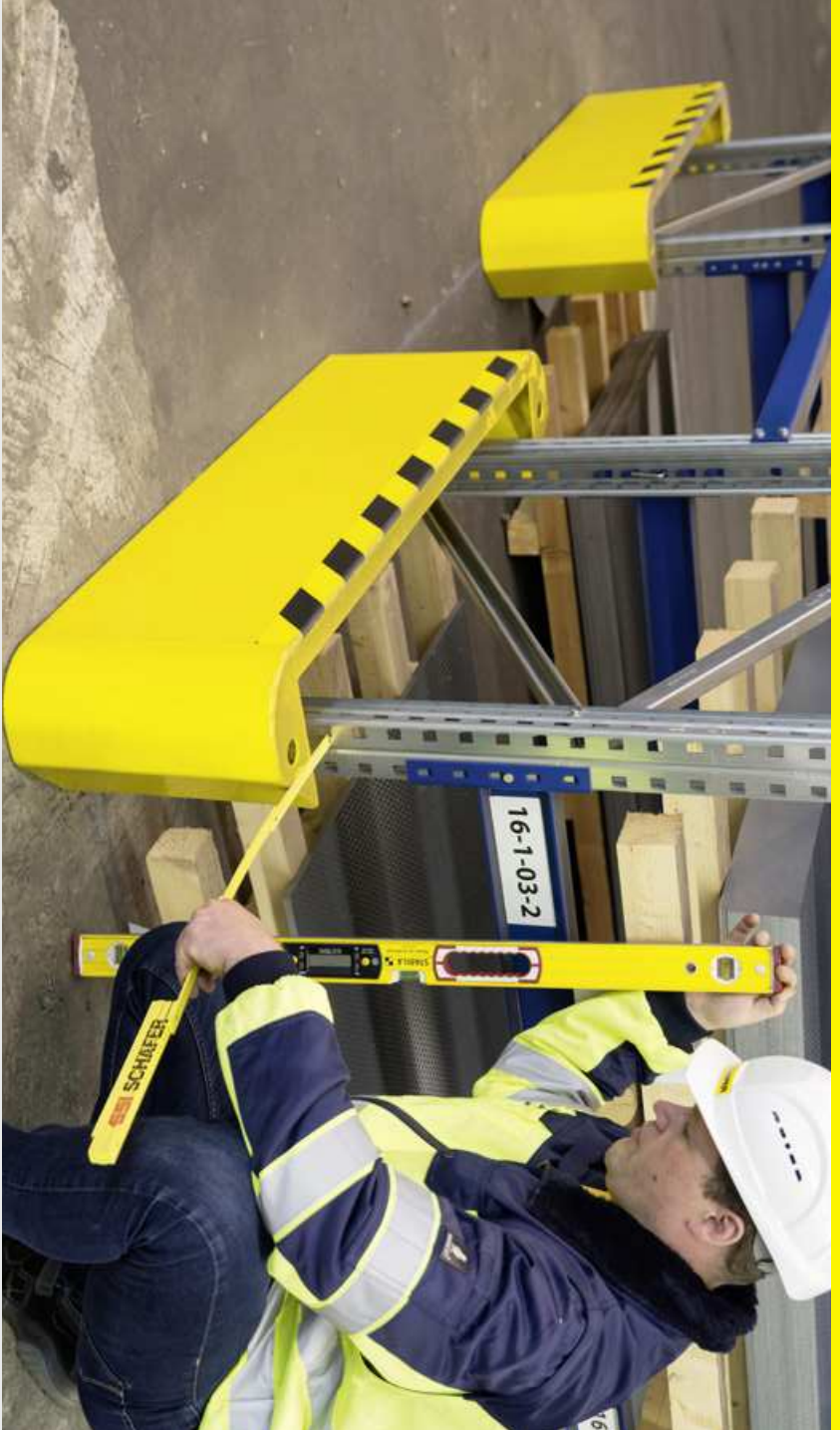
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5. Inspektionsart	01.01.2012	6. Inspektionsart	01.01.2012
7. Inspektionsart	01.01.2012	8. Inspektionsart	01.01.2012
9. Inspektionsart	01.01.2012	10. Inspektionsart	01.01.2012
11. Inspektionsart	01.01.2012	12. Inspektionsart	01.01.2012
13. Inspektionsart	01.01.2012	14. Inspektionsart	01.01.2012
15. Inspektionsart	01.01.2012	16. Inspektionsart	01.01.2012
17. Inspektionsart	01.01.2012	18. Inspektionsart	01.01.2012
19. Inspektionsart	01.01.2012	20. Inspektionsart	01.01.2012
21. Inspektionsart	01.01.2012	22. Inspektionsart	01.01.2012
23. Inspektionsart	01.01.2012	24. Inspektionsart	01.01.2012

Verband für Lagertechnik und Betriebseinrichtungen

The following racking systems require inspection:

- ▶ Modular shelvings
- ▶ Pallet rackings
- ▶ Drive-in rackings
- ▶ Drive-through rackings
- ▶ Cantilever rackings
- ▶ Live storage shelvings
- ▶ On-line shelvings
- ▶ Mezzanines
- ▶ Mobile rackings
- ▶ Multi-tier facilities







# EQUIPPED FOR THE FUTURE

More and more customers around the world trust SSI SCHAEFER when it comes to the future and efficiency of their intralogistics. You receive system solutions tailored to your specific needs for today's requirements and the challenges of the future from a single supplier and with combined IT power. Developed by specialists from all over the world who listen and who are only satisfied once you are.

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- **Efficiency**

SSI SCHAEFER solutions are scalable and able to grow with your business. You can always upgrade or retrofit.

- **Quality**

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- **Reliability**

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- **Know-how**

SSI SCHAEFER solutions are always up-to-date with the latest technological standards and can be easily integrated into an existing (IT) landscape.

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