

# ON-LINE, LIVE STORAGE SHELVING SYSTEMS

**2018**  
**2019**

Extract from general catalog

**Chapter G**

**ssi-schaefer.com**



**SSI SCHÄFER**



# On-line shelving/package live storage racks

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 staging 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.



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

**Chapter J, page J1**

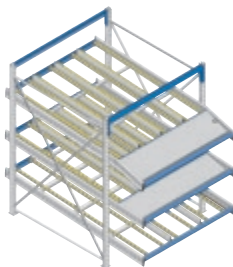




R 3000 on-line shelvings with shelves page G2



R 7000 on-line shelvings with shelves page G6



KDR live storage shelvings page G12



The meaning of the pictograms:



Bay load\*

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





# 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.

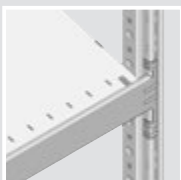
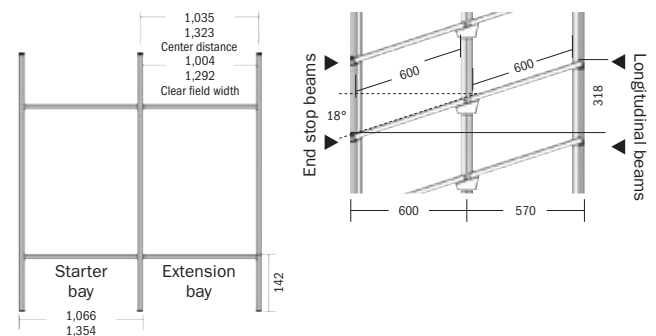
The high load capacity of 2.5 t per field, its flexibility through the combination of basic and expansion bays to create shelving rows, along with the cost-effective construction with consistently galvanized components from the R 3000 system distinguishes this on-line shelving from SSI SCHAEFER.

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 angled levels, stop beam or a stop strip secures the containers. The side rails on the front ends prevent goods from falling between the frames.

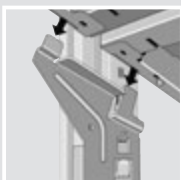
- **Plug-in design for rapid assembly**
- **Pre-assembled frame**  
consisting of frames, compartment stays and foot plates
- **Frame profile**  
with 53 mm lug pitch
- **Height-adjustable**  
shelves with a 53 mm hole pattern
- **High loading capacity**  
of up to 2,500 kg per field
- **Floor fixing not required**  
provided that the height/depth ratio does not exceed 5 : 1
- **Angled 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
- **Field width/system dimensions and installation situation**



End stop beam, front



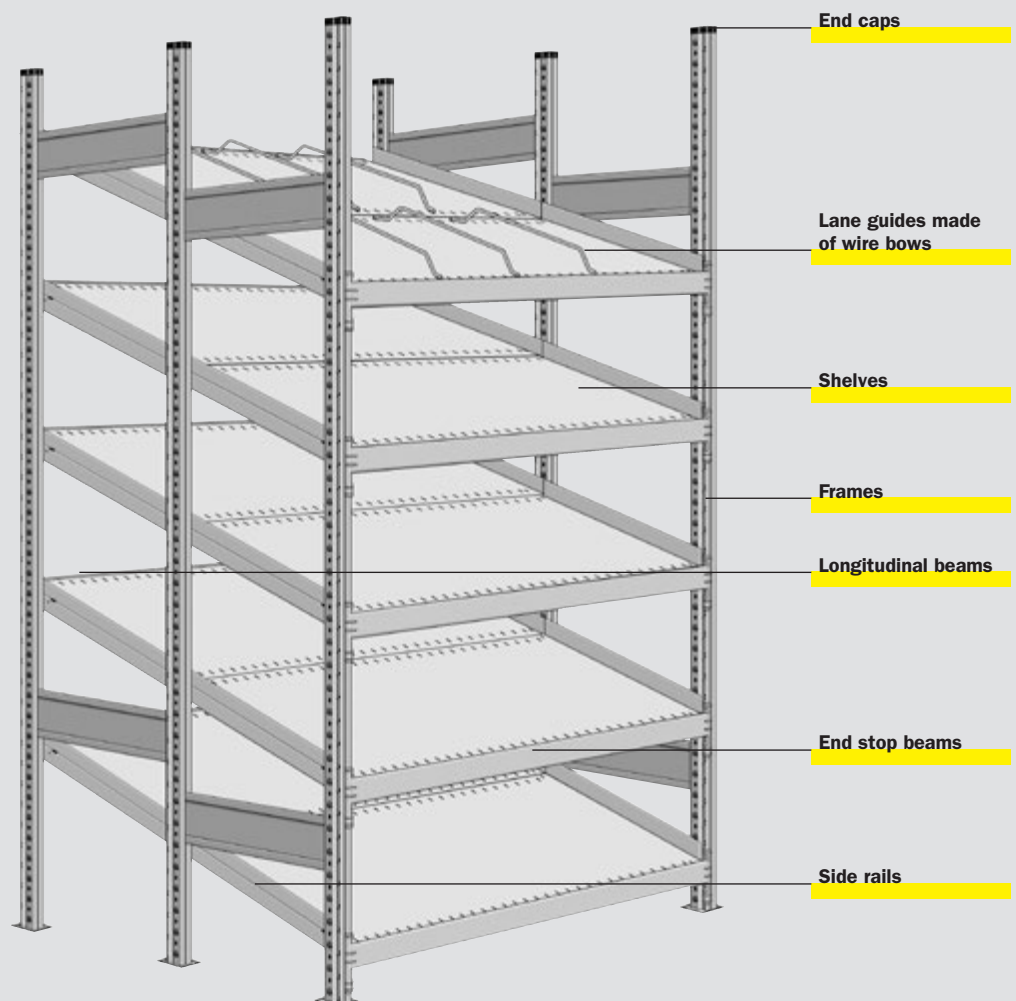
Longitudinal beam, rear



Intermediate shelf bracket



Lane guides made of wire bows





# MBR 3000 single-row shelving with tilted shelves



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

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

| Item              | Usable depth (mm) | Clear field 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 frame, 3 shelves, 3 longitudinal and 3 end stop beams, 2 end caps.

| Item              | Usable depth (mm) | Clear field 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 field 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. = in stock



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

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

| Item              | Usable depth (mm) | Clear field 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 frame, 5 shelves, 5 longitudinal and 5 end stop beams, 2 end caps.

| Item              | Usable depth (mm) | Clear field 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 field 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 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 field 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 frame, 6 shelves, 3 longitudinal and 3 end stop beams, 6 intermediate shelf brackets, 2 end caps.

| Item               | Usable depth (mm) | Clear field 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 field 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 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 field 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 frame, 10 shelves, 5 longitudinal and 5 end stop beams, 10 intermediate shelf brackets, 2 end caps.

| Item               | Usable depth (mm) | Clear field 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 field 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. = in 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/field) | Order no. | Item                                 | Usable depth (mm)           | Height/Length (mm) | Load (max. kg) | Order no. |
|--|-----------------------------------|--------------------|----------------------|-----------|--------------------------------------|-----------------------------|--------------------|----------------|-----------|
| <b>Basic shelving frame</b>                  |                                   |                    |                      |           | <b>Longitudinal beams</b>            |                             |                    |                |           |
| RR 34315 V                                   | 400                               | 1,536              | 2,500                | 330410    | LTR 31004                            | —                           | 1,004              | 250            | 330340    |
| RR 35315 V                                   | 500                               | 1,536              | 2,500                | 330420    | LTR 31292                            | —                           | 1,292              | 250            | 330350    |
| RR 36315 V                                   | 600                               | 1,536              | 2,500                | 330430    |                                      |                             |                    |                |           |
| RR 38315 V                                   | 800                               | 1,536              | 2,500                | 330440    |                                      |                             |                    |                |           |
| <b>Shelving extension frame – double-row</b> |                                   |                    |                      |           | <b>End stop beams</b>                |                             |                    |                |           |
| RRA 35315 V                                  | 500                               | 1,536              | 2,500*               | 330450    | ATR 31004                            | —                           | 1,004              | 250            | 330310    |
| RRA 36315 V                                  | 600                               | 1,536              | 2,500*               | 330460    | ATR 31292                            | —                           | 1,292              | 250            | 330320    |
| <b>Basic shelving frame</b>                  |                                   |                    |                      |           | <b>End stop rails</b>                |                             |                    |                |           |
| RR 34322 V                                   | 400                               | 2,278              | 2,500                | 144760    | ASL 3100                             | —                           | 994                | —              | 330610    |
| RR 35322 V                                   | 500                               | 2,278              | 2,500                | 144770    | ASL 3130                             | —                           | 1,282              | —              | 330620    |
| RR 36322 V                                   | 600                               | 2,278              | 2,500                | 144780    |                                      |                             |                    |                |           |
| RR 38322 V                                   | 800                               | 2,278              | 2,500                | 144790    |                                      |                             |                    |                |           |
| <b>Shelving extension frame – double-row</b> |                                   |                    |                      |           | <b>Cross braces</b>                  |                             |                    |                |           |
| RRA 35322 V                                  | 500                               | 2,278              | 2,500*               | 330480    | KV 31013                             | —                           | 994                | —              | 146000    |
| RRA 36322 V                                  | 600                               | 2,278              | 2,500*               | 330490    | KV 31313                             | —                           | 1,282              | —              | 146010    |
| <b>Shelves</b>                               |                                   |                    |                      |           | <b>Side rails</b>                    |                             |                    |                |           |
| ZB 341010 V                                  | 400                               | 40/ 994            | 100                  | 145510    | SF 3404 V                            | 400                         | 40                 | —              | 330880    |
| ZB 351010 V                                  | 500                               | 40/ 994            | 100                  | 145520    | SF 3504 V                            | 500                         | 40                 | —              | 330890    |
| ZB 361010 V                                  | 600                               | 40/ 994            | 100                  | 145530    | SF 3604 V                            | 600                         | 40                 | —              | 330900    |
| ZB 381020 V                                  | 800                               | 40/ 994            | 200                  | 145600    | SF 3804 V                            | 800                         | 40                 | —              | 330910    |
| ZB 341315 V                                  | 400                               | 40/1,282           | 150                  | 145540    | <b>Lane guides made of wire bows</b> |                             |                    |                |           |
| ZB 351315 V                                  | 500                               | 40/1,282           | 150                  | 145550    | DFZB 3403 V                          | 400                         | 30                 | —              | 330520    |
| ZB 361315 V                                  | 600                               | 40/1,282           | 150                  | 145560    | DFZB 3503 V                          | 500                         | 30                 | —              | 330530    |
| ZB 381325 V                                  | 800                               | 40/1,282           | 250                  | 145630    | DFZB 3603 V                          | 600                         | 30                 | —              | 330540    |
|  |                                   |                    |                      |           | DFZB 3803 V                          | 800                         | 30                 | —              | 330550    |
| <b>Accessories</b>                           |                                   |                    |                      |           | <b>Accessories</b>                   |                             |                    |                |           |
| ZBK 3000 R                                   | Intermediate shelf bracket, right |                    |                      | 330360    | SBK 3R                               | Angled shelf bracket, right |                    |                | 330920    |
| ZBK 3000 L                                   | Intermediate shelf bracket, left  |                    |                      | 330370    | SBK 3L                               | Angled shelf bracket, left  |                    |                | 330930    |
| AK 3000                                      | End cap                           |                    |                      | 147130    | BF 3000                              | Floor fixing set**          |                    |                | 145710    |
| UP 3001                                      | Packing plate, thickness 1 mm     |                    |                      | 147450    | SRTS                                 | Load sign***                |                    |                | 39070     |

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

\*\* Set consisting of screws, dowels, washers  
\*\*\* As per BGR 234, where required




**BRIGHT SILVER**



2.5 t

**GALVANIZED**



Beams

Frame  
Shelves  
Side rails  
Brackets  
Adapter

- ▶ **Easy and rapid installation**
- ▶ **Stable and sturdy**
- ▶ **Pre-assembled frame**
- ▶ **Rack rows of any desired length**
- ▶ **Starter and extension bay construction**
- ▶ **Angled acceleration areas**  
gravity-forced rolling on the removal side with improved handling
- ▶ **Can be combined**  
for optimum adaptation to the work procedures
- ▶ **Height-adjustable**  
shelves with a 53 mm hole pattern
- ▶ **Single part staging**  
directly at the assembly work station
- ▶ **First-in-First-out principle (FiFo)**
- ▶ **Reduces costs**

## R 7000 on-line shelving with shelves

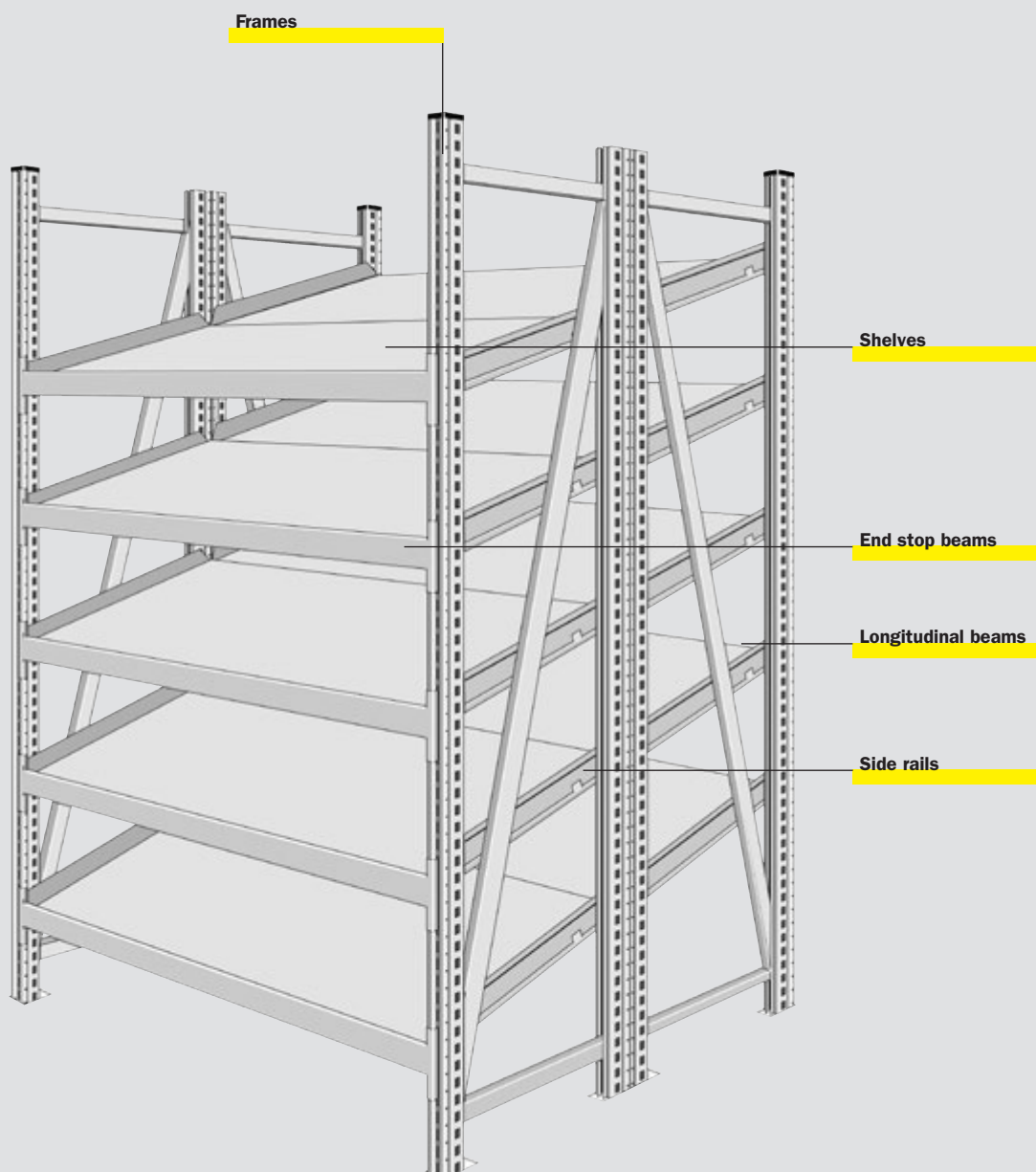
On-line shelving provides a reliable means of storage for any type of containers with diverse dimensions, making them a universal solution.

The high load capacity of max. 2.5 tonnes per field, 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 these popular and proven shelving 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 these shelving to be set up rapidly.

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



## “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 frames, 6 longitudinal beams, 3 shelves,  
6 side rails, 1 load sign.

| Item              | Usable depth (mm) | Clear field 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 frame, 6 longitudinal beams, 3 shelves.

| Item              | Usable depth (mm) | Clear field 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 field 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. = in stock

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

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

| Item              | Usable depth (mm) | Clear field 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 frame, 10 longitudinal beams, 5 shelves.

| Item              | Usable depth (mm) | Clear field 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 field 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   |



## “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 frames, 3 longitudinal and 3 end stop beams,  
3 shelves, 6 side rails, 1 load sign.

| Item              | Usable depth (mm) | Clear field 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 frame, 3 longitudinal and 3 end stop beams,  
3 shelves.

| Item              | Usable depth (mm) | Clear field 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 field 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 frames, 5 longitudinal and 5 end stop beams,  
5 shelves, 10 side rails, 1 load sign.

| Item              | Usable depth (mm) | Clear field 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 frame, 5 longitudinal and 5 end stop beams,  
5 shelves.

| Item              | Usable depth (mm) | Clear field 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

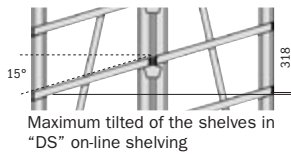
1 longitudinal and 1 end stop beam, 1 shelf.

| Item            | Usable depth (mm) | Clear field 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. = in stock



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



## "DS" double-row shelving



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

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

| Item               | Usable depth (mm) | Clear field 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 frames, 5 longitudinal and 5 end stop beams, 10 shelf brackets, 10 bracket adapters, 10 shelves.

| Item               | Usable depth (mm) | Clear field 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 field 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 field 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.



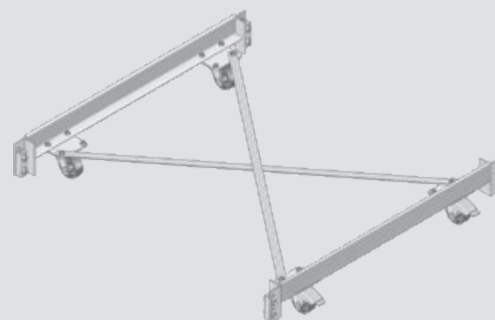
# Individual components



## 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 as per BGR 234 required |                    |                | 39070     |

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



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

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

| Item      | Field 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 when unloaded.

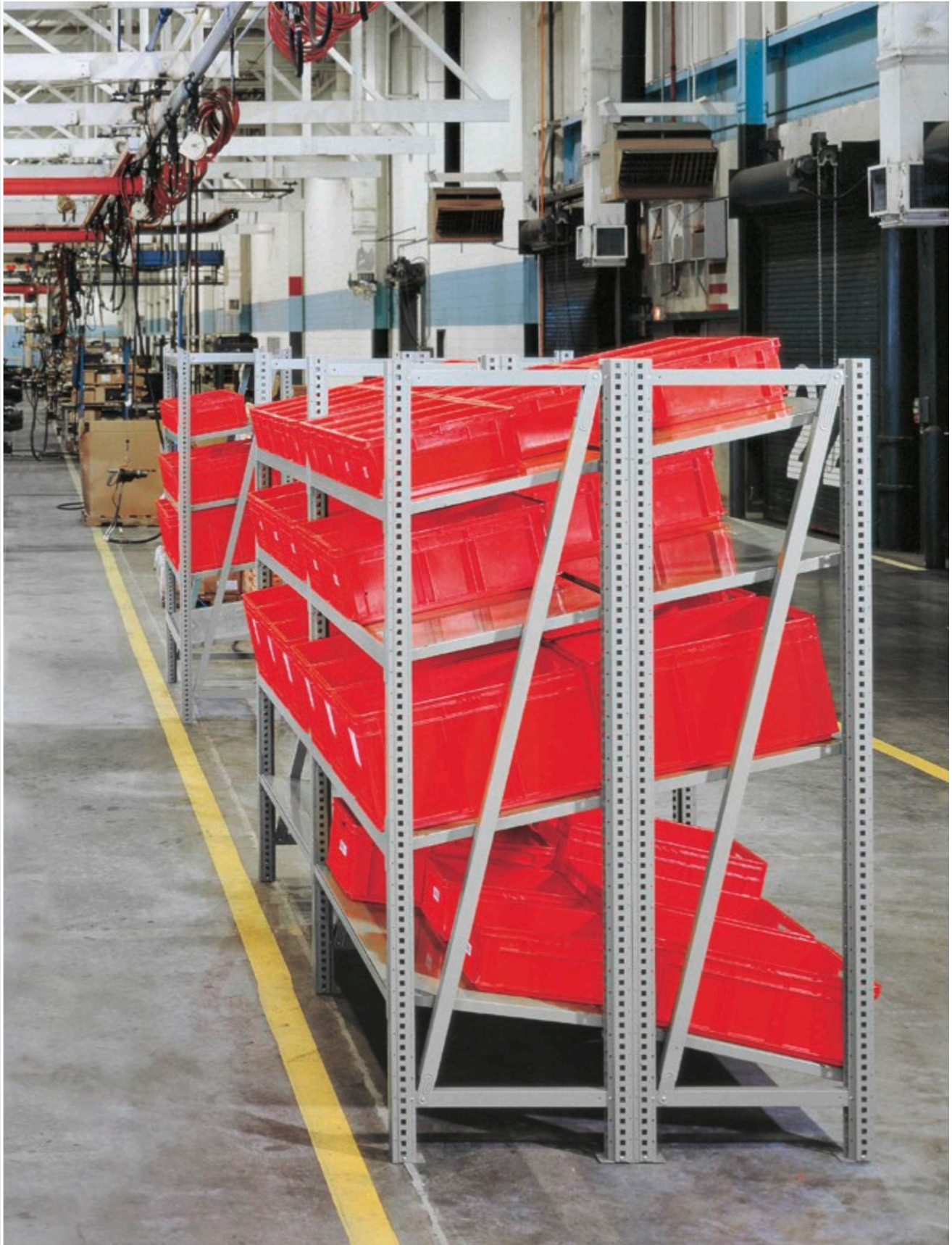
Consisting of 4 swivel castors, 2 with locks. Bolted assembly with adapter plate directly underneath the supports. One beam and 4 frame connectors are delivered for the required reinforcement. In addition, 2 sliding bars made of plastic are included in the delivery.



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

| Item      | Field length (mm) | Height (mm) | Load max. (kg) | Order no. |
|-----------|-------------------|-------------|----------------|-----------|
| FW 70995  | 995               | 155         | 500            | 79210     |
| FW 701283 | 1,283             | 155         | 500            | 79220     |

Order no. = in stock





## KDR – the live storage shelving system with diverse options

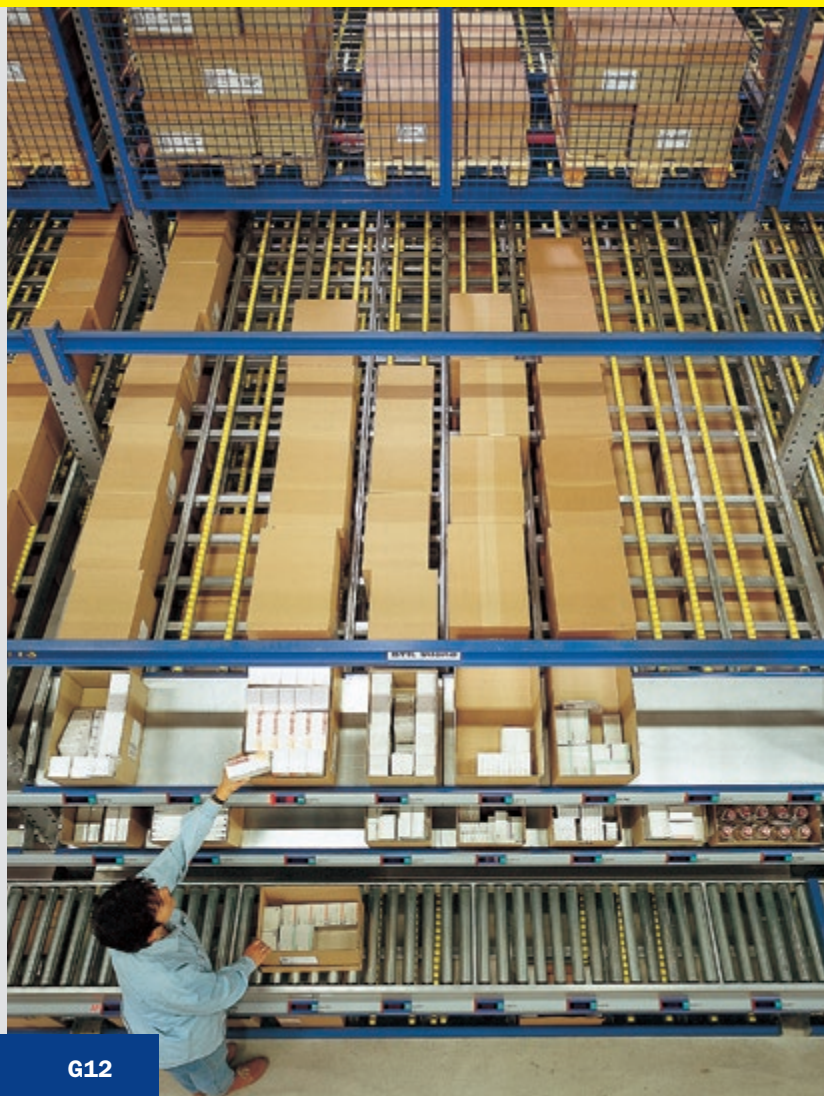
Stable and sturdy frames connected to reinforcing beams create a “rack scaffold” for fitting complete live storage shelving units. The height and angle of the flow beds can be quickly adjusted without screws using adjusting hooks in steps of 6.25 mm (post type P63/P65) or 12.5 mm (post type P73/P93)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





# KDR system design – stationary

GENTIAN BLUE



Beams

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 support 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

Entering the supports to the floor prevents the fields from slipping and provides additional stability.

Anti-lifting  
devices

Reinforcing  
cross beam

Dividing rails

Roller tracks

Side profiles

Frame

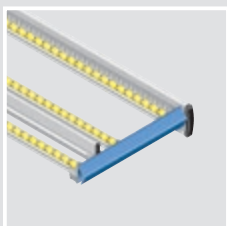
Flow bed, tilted

Flow bed,  
flat/tilted

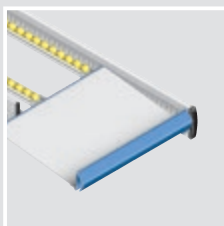
Flow bed, flat

Conveying  
system supports

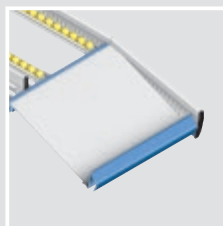
Label surfaces



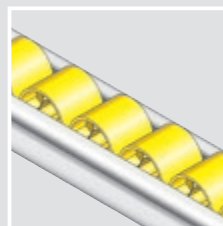
Flow bed, flat



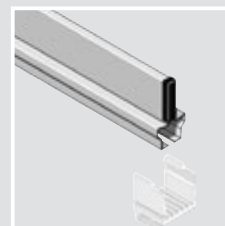
Flow bed, flat/tilted



Flow bed, tilted



Roller track



Dividing rail



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



Further information about the KDR equipment

on request







Beams  
Lateral connectors  
(front and rear)



Frame  
Outfeed panel  
Side profiles

## KDR/KLT – with undercarriage

- **High load capacity**  
and high rigidity due to sturdy support, 60, 75 and 90 mm thick
- **System hole pattern**  
in the support 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
- **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**

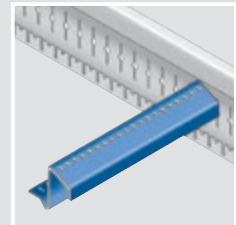
### Starter bay construction

The movable units are constructed using starter bays.

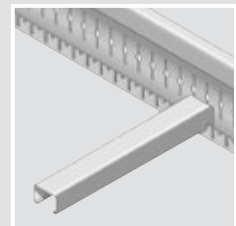
For containers with a "honeycomb base" (C-KLTs with grooves) and containers with a large stacking rim, there is a KLT model for the special requirements.



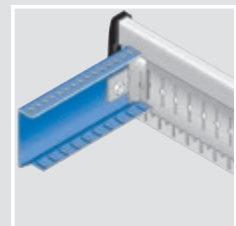
Lateral connectors, front



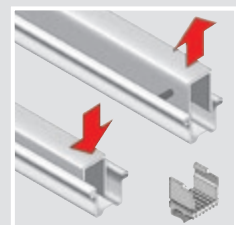
Lateral connectors, tilted



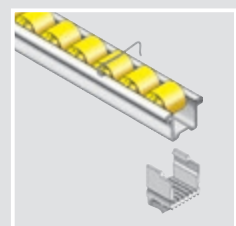
Lateral connectors, internal



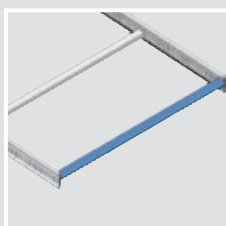
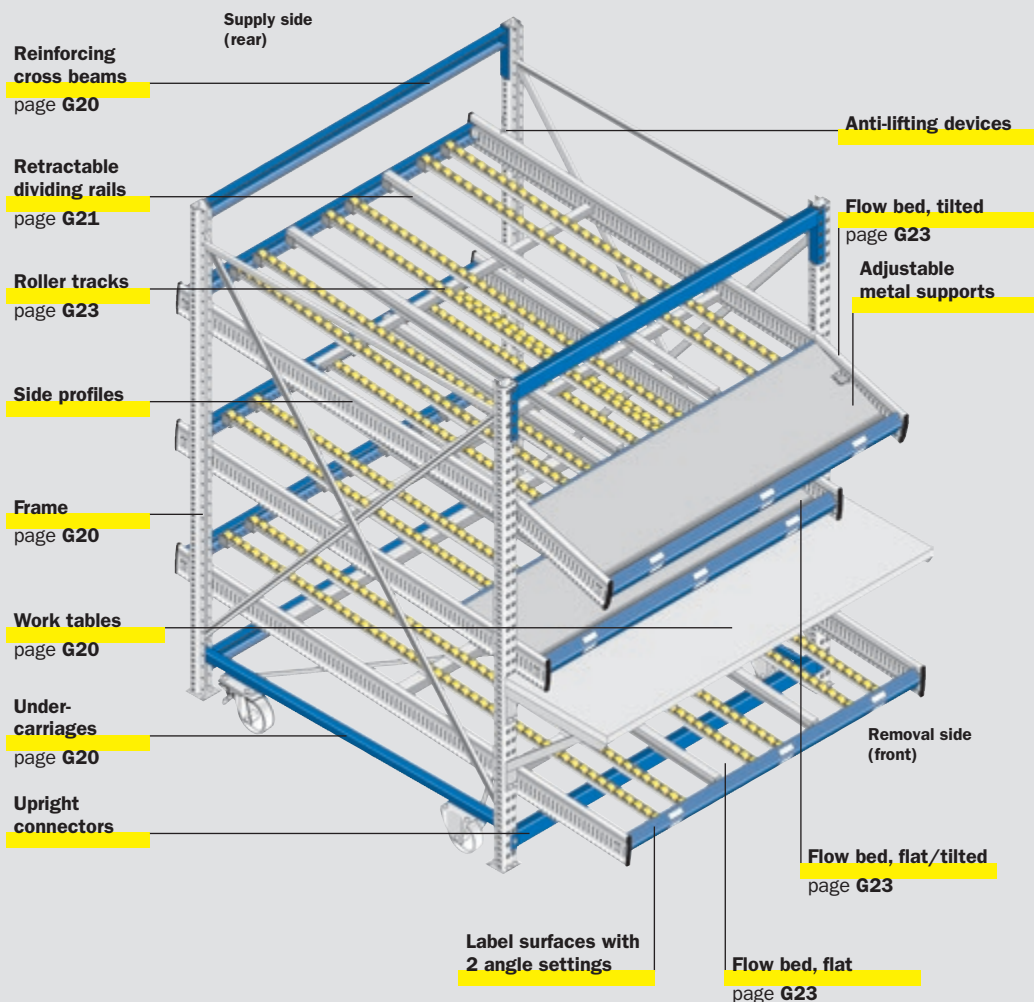
Lateral connectors, rear KLT



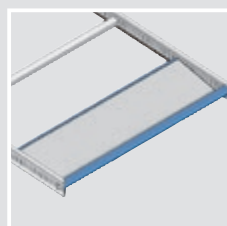
Retractable dividing rail with docking clip



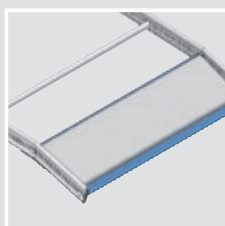
Roller track with brake clip and brake strap



Flow bed, flat



Flow bed, flat/tilted



Flow bed, tilted



Anti-lifting device

Cover caps



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



**i** Further information about KDR equipment with a conductive design (ESD)

on request

### 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.



Fixed castor, conductive



Dividing rails and conductive roller tracks



Swivel castor with stopper



Beams

Frame  
Lateral connector  
Undercarriage traverses  
Outfeed panels

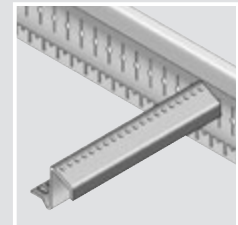
- ▶ **High load capacity**  
and high rigidity due to sturdy support, 60, 75 and 90 mm thick
- ▶ **System hole pattern** in the support profiles with adjustment spacing 50 : 50 mm
- ▶ **The best height and gradient adjustment**  
of the flow bed to the storage goods due to the small hole pattern, e.g. 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
- ▶ **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



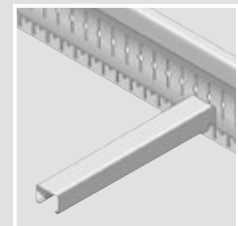
## KDR/KLT system design for ESD version – with undercarriage



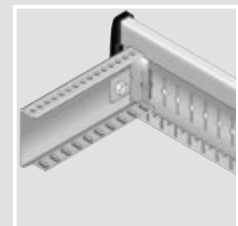
Lateral connectors, front



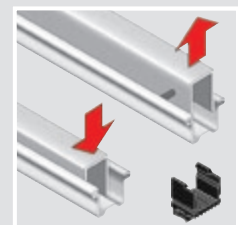
Lateral connectors, tilted



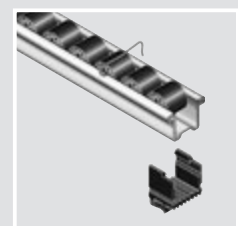
Lateral connectors, internal



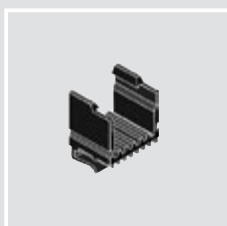
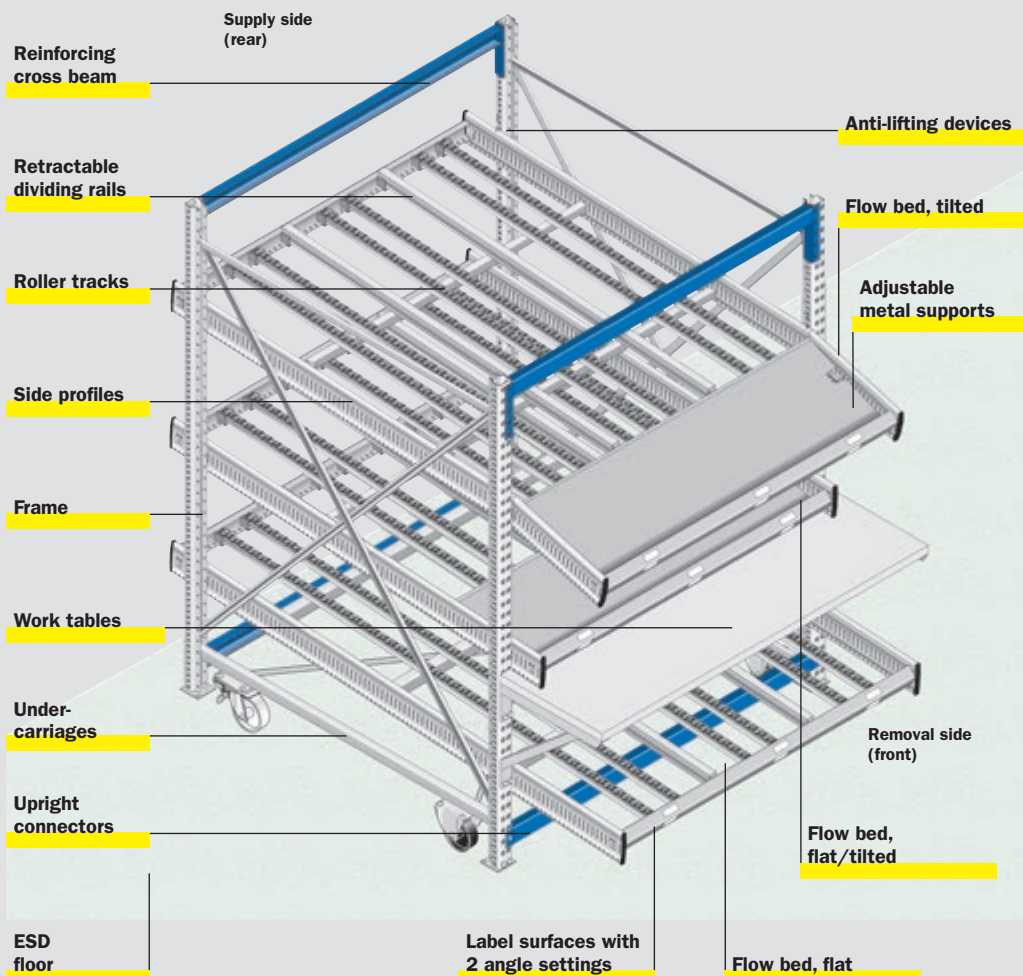
Lateral connectors, rear KLT



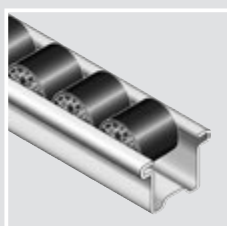
Retractable dividing rail with docking clip



Roller track with brake clip and brake strap



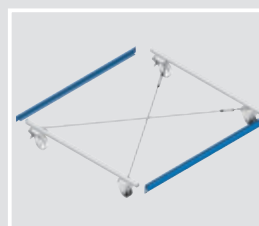
Docking clip, conductive



Roller track, conductive



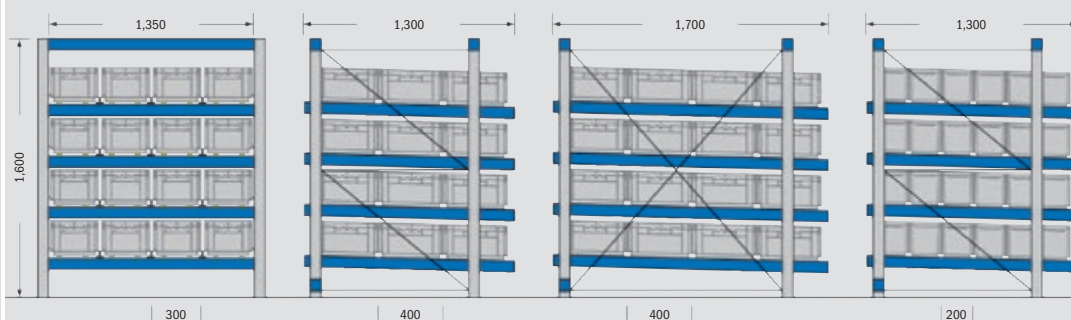
Fixed castor, conductive



Undercarriage, conductive

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

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



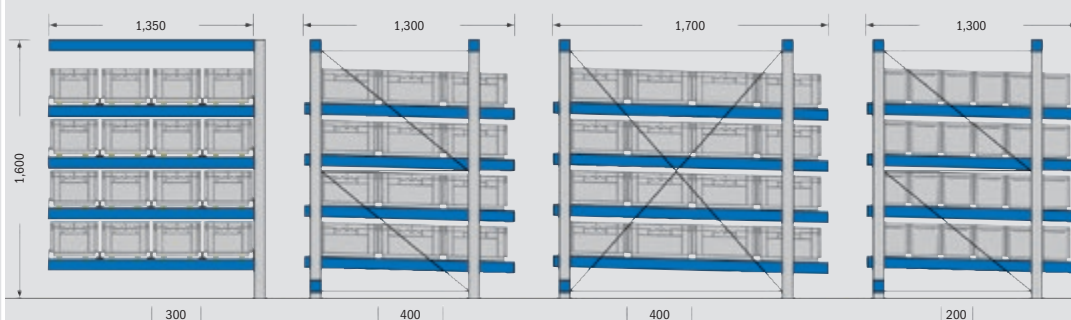
## KDR complete shelving system – starter bays

Consisting of 2 frames and 3 reinforcing cross beams.

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

Clear field 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. |
|-----------------------------|------------------|---------------------------------------|------------------|-----------|
| K-GF-1350-1300-4-BG01       | 1,300            | 180                                   | Flat             | 464300    |
| K-GF-1350-1700-4-BG01       | 1,700            | 270                                   | Flat             | 464310    |
| <b>additional flow beds</b> |                  |                                       |                  |           |
| K-DLR-1350-1300-BG01        | 1,300            | 180                                   | Flat             | 464320    |
| K-DLR-1350-1700-BG01        | 1,700            | 270                                   | Flat             | 464330    |



## KDR complete shelving system – extension bays

Consisting of 1 frames and 3 reinforcing cross beams.

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

Clear field 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. |
|-----------------------------|------------------|---------------------------------------|------------------|-----------|
| K-AF-1350-1300-4-BG01       | 1,300            | 180                                   | Flat             | 464340    |
| K-AF-1350-1700-4-BG01       | 1,700            | 270                                   | Flat             | 464350    |
| <b>additional flow beds</b> |                  |                                       |                  |           |
| K-DLR-1350-1300-BG01        | 1,300            | 180                                   | Flat             | 464320    |
| K-DLR-1350-1700-BG01        | 1,700            | 270                                   | Flat             | 464330    |

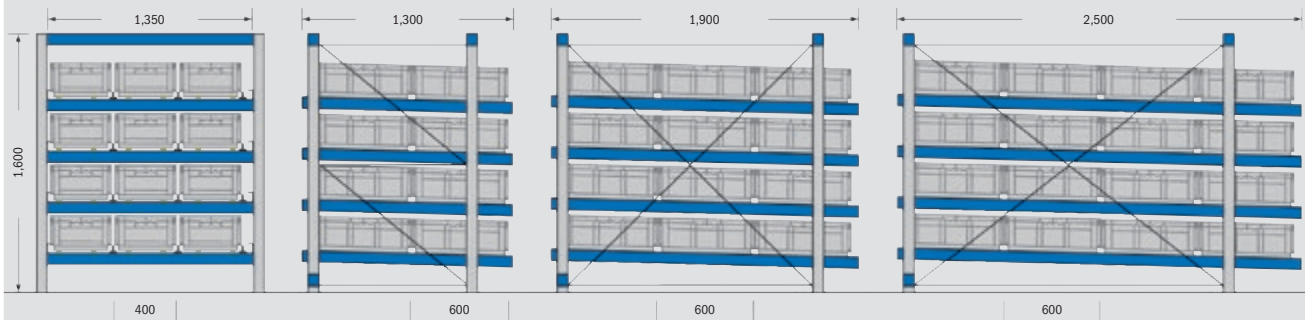
Order no. = in stock



► **Flow bed, flat**

angle adjustable in 6.25 mm states  
depth adjustable in 25 mm steps,  
can also be used as a return level

# KDR live storage shelving with European dimensions – complete shelving units for container sizes 600 x 400 mm



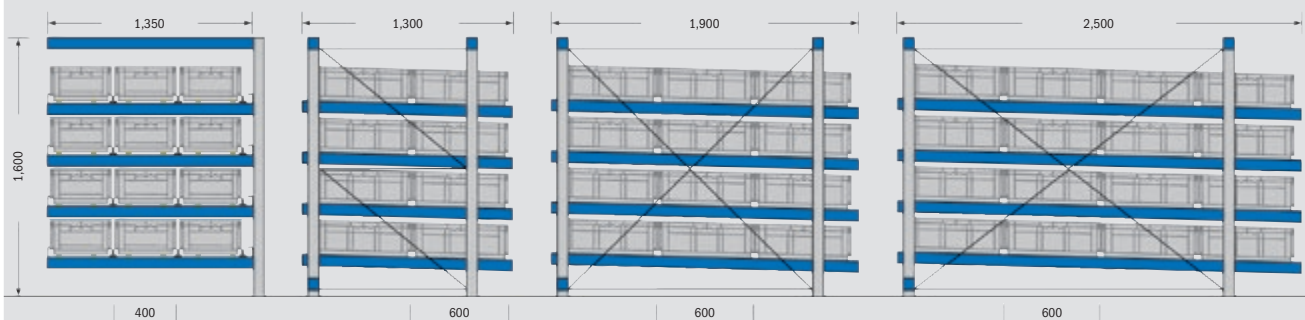
Clear field width 1,350 mm, clear channel width 410 mm,  
total width 1,470 mm, height 1,600 mm

| Item                        | Total depth (mm) | Load capacity live storage level (kg) | Flow bed version | Order no. |
|-----------------------------|------------------|---------------------------------------|------------------|-----------|
| K-GF-1350-1300-4-BG02       | 1,300            | 180                                   | Flat             | 464360    |
| K-GF-1350-1900-4-BG02       | 1,900            | 270                                   | Flat             | 464370    |
| K-GF-1350-2500-4-BG02       | 2,500            | 360                                   | Flat             | 464380    |
| <b>additional flow beds</b> |                  |                                       |                  |           |
| K-DLR-1350-1300-BG02        | 1,300            | 180                                   | Flat             | 464390    |
| K-DLR-1350-1900-BG02        | 1,900            | 270                                   | Flat             | 464400    |
| K-DLR-1350-2500-BG02        | 2,500            | 360                                   | Flat             | 464410    |

## KDR complete shelving system – starter bays

Consisting of 2 frames and 3 reinforcing cross beams.

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



Clear field width 1,350 mm, clear channel width 410 mm,  
total width 1,410 mm, height 1,600 mm

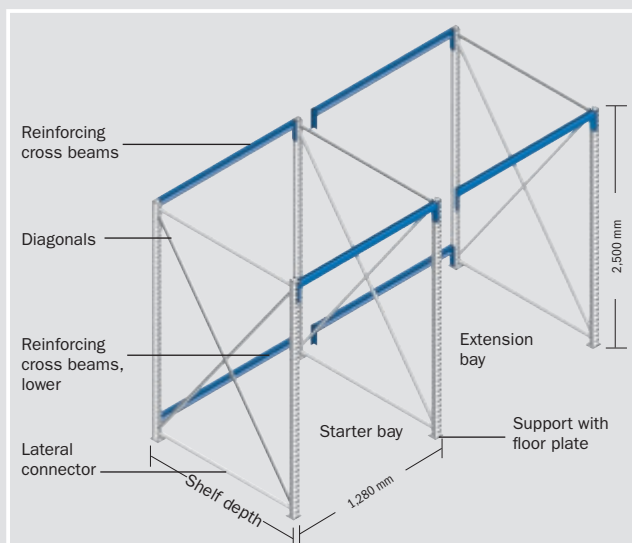
| Item                        | Total depth (mm) | Load capacity live storage level (kg) | Flow bed version | Order no. |
|-----------------------------|------------------|---------------------------------------|------------------|-----------|
| K-AF-1350-1300-4-BG02       | 1,300            | 180                                   | Flat             | 464420    |
| K-AF-1350-1900-4-BG02       | 1,900            | 270                                   | Flat             | 464430    |
| K-AF-1350-2500-4-BG02       | 2,500            | 360                                   | Flat             | 464440    |
| <b>additional flow beds</b> |                  |                                       |                  |           |
| K-DLR-1350-1300-BG02        | 1,300            | 180                                   | Flat             | 464390    |
| K-DLR-1350-1900-BG02        | 1,900            | 270                                   | Flat             | 464400    |
| K-DLR-1350-2500-BG02        | 2,500            | 360                                   | Flat             | 464410    |

## KDR complete shelving system – extension bays

Consisting of 1 frames and 3 reinforcing cross beams.

Equipment for each shelving field:  
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

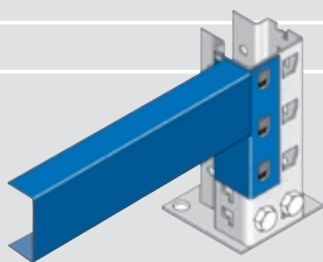


## Starter and extension bays

Starter bays consisting of 2 frames and 3 horizontal beams; extension bays consisting of 1 frame and 3 horizontal beams.

## Cover caps

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

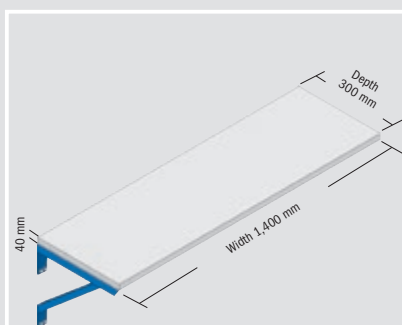


## Reinforcing cross beam (U-profile) for support profiles P 63, P 65 and P 73

Reinforcing cross beams and supports 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 empty the entire shelving.

The cross beams only serve to reinforce the bracket construction and are not intended for storing pallets. Additional reinforcing cross beams at the rear are fitted on the rear in accordance with the static requirements.

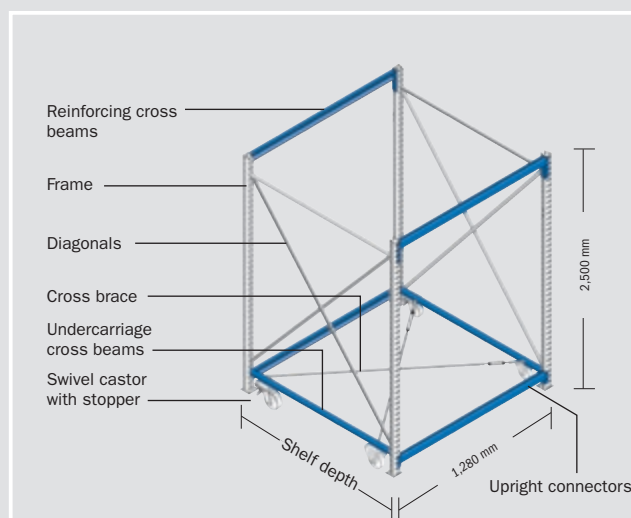
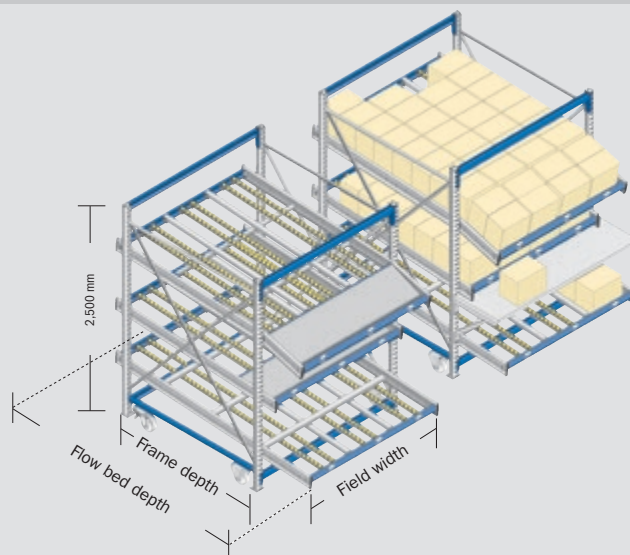
Surface finish: Gentian Blue, RAL 5010.



## Work table

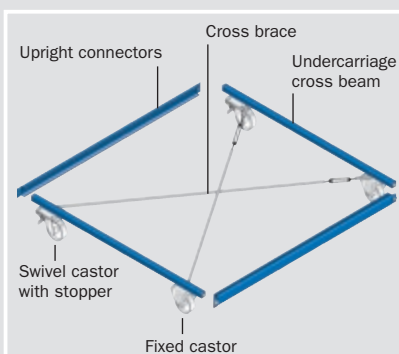
For pre-assembly or storage.  
2 cantilever supports and 1 multiplex board, 40 mm thick.

Cantilever surface finish: Gentian Blue, RAL 5010.



## 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 field with undercarriage max. 1,600 kg.



## Undercarriage

Enables easy relocation of starter bays.

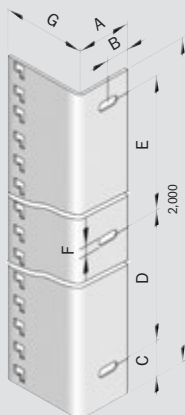
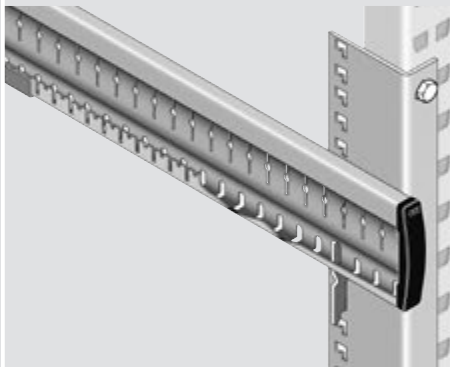
Equipped with 2 upright connectors, 2 undercarriage cross beam, 1 cross brace, 2 fixed castors and 2 swivel castors with stoppers.

Load capacity per shelving field 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
- Goods automatically resupply
- First-in-First-out
- Separate supply and removal procedures

## KDR adapter solutions for pallet racking systems, partition strips



Support adapter, left

Flow bed, flat/tilted

Flow bed, flat

Support adapter, right

Total rack frame depth

### Support adapter

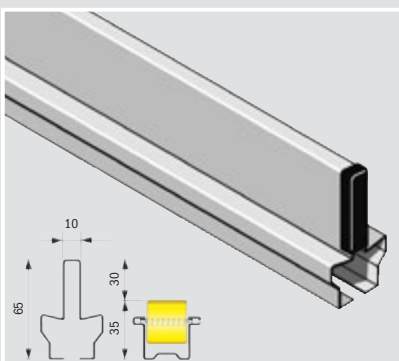
For fastening on rack supports of existing pallet racking systems – PR 350 and third-party brands. For quick and easy retrofitting with flow beds.

The profiles of the support adapters are individually adapted to the pallet racking stands.

Articles upon request.

**When submitting an inquiry, please specify the following dimensions and existing rack brand/type:**

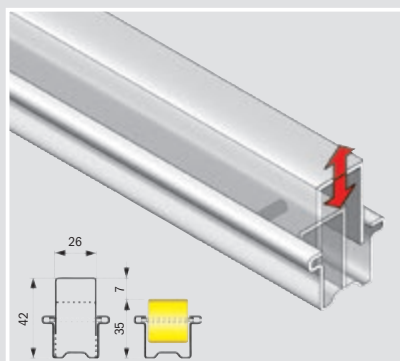
| Dimensions | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) |
|------------|--------|--------|--------|--------|--------|--------|--------|
|            |        |        |        |        |        |        |        |



### 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.

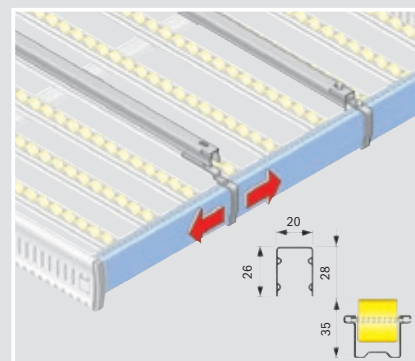
Surface, galvanized.



### 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 items.

Surface, galvanized

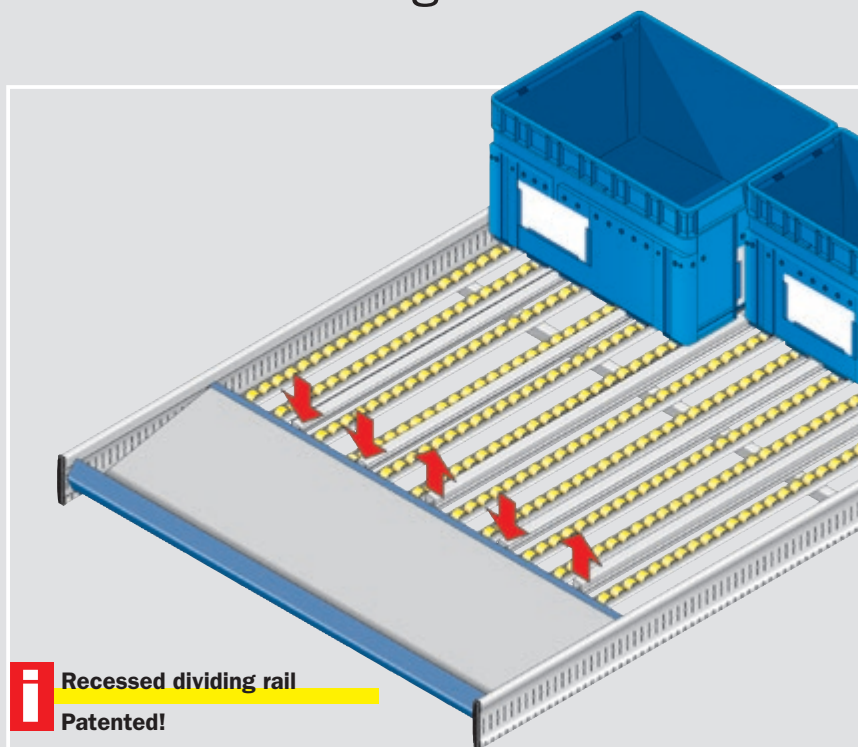


**Further information about the KDR equipment**

on request

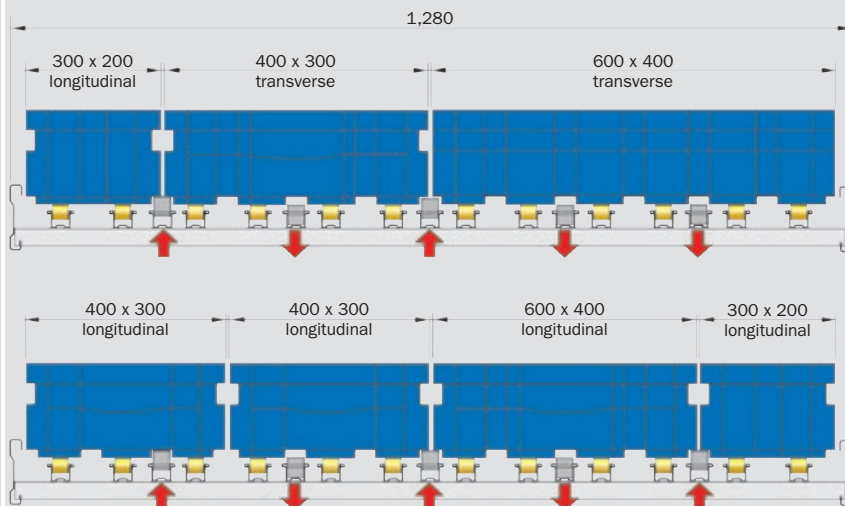


## KLT flow bed with resist dividing rail



**i** Recessed dividing rail  
Patented!

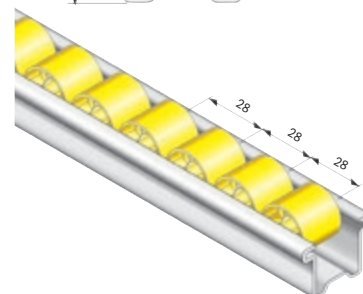
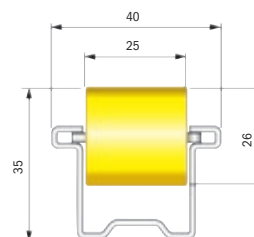
Example for clear field width of 1,280 mm



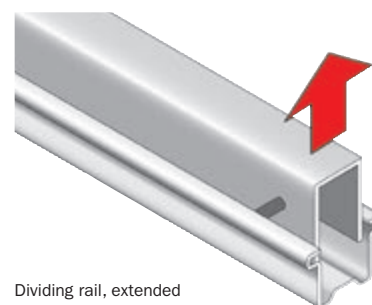
Retracting or extending the dividing rail enables containers with different dimensions to be mixed on one level



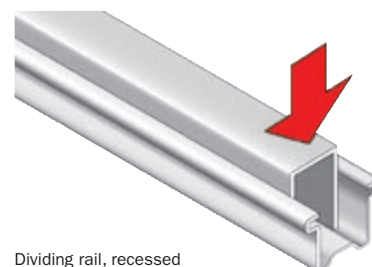
- **Always the right channel widths**  
for system containers with 200/400 mm or 300/600 mm standard dimensions through the use of partition strips that can be recessed quickly and without using tools. There is no need to move the partition or roller tracks.
- **Harmonized rack dimensions**  
for all KLT container sizes
- **Easy assembly and adjustment using the bold-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



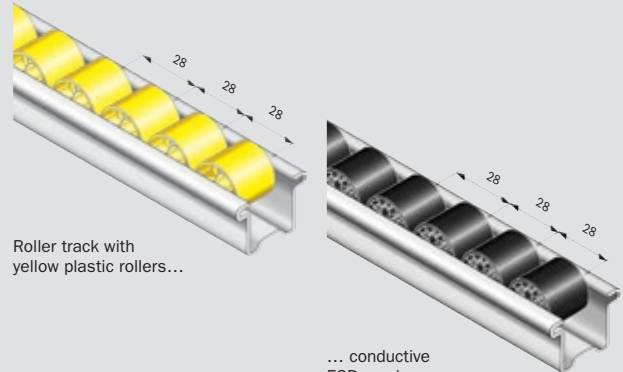
- **Rigid rail profile**  
with spreading reinforcement made of galvanized sheet steel
- **Sturdy and durable rollers**  
made of high quality plastic, roller spacing 28 mm
- **Honeycomb-shaped roller reinforcing**  
for very good shape stability and smooth conveying
- **High load capacity**  
5 kg per 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/<br>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 |



Roller track with yellow plastic rollers...

... conductive ESD version

| Item      | Length<br>(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

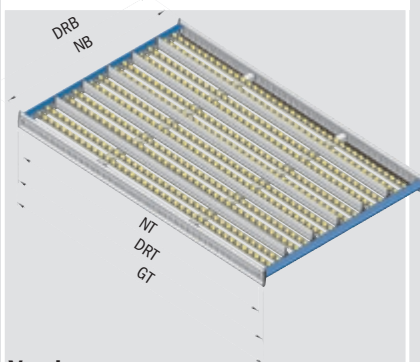
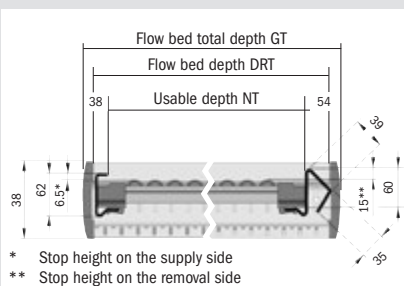
Self-adhesive plastic label holders, total height 33 mm (for label height 30 mm). Without label inserts.

Other versions available on request.



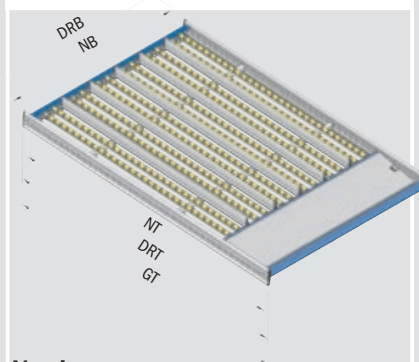
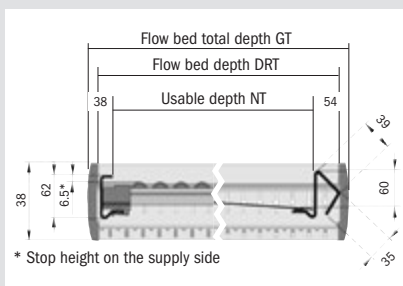
Order no. = in stock

## Flow beds with roller tracks and dividing rails – configuration examples



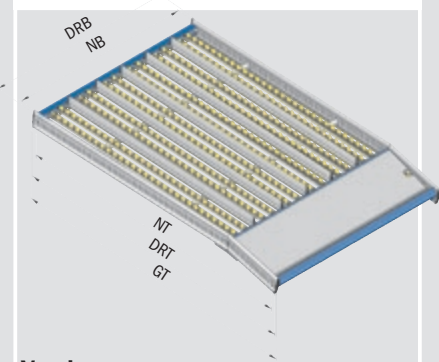
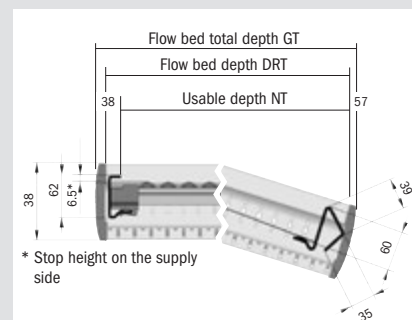
### Version Flat K-D

Equipped with 12 roller and 5 recessed dividing rails, including adjustment hooks.



### Version Flat/tilted K-DGK

Equipped with 12 roller and 5 recessed dividing rails, including adjustment hooks.



### Version Tilted K-DK (10° – 16°)

Equipped with 12 roller and 5 recessed dividing rails, including adjustment hooks.



## Various areas of use for KDR – application examples

### The advantages of live storage shelvings:

- ▶ Rapid order picking by shortening the access paths, organized, clear, more compact storage, increased automation and reduction of movement paths by 85%.
- ▶ Larger storage capacity in the same area by eliminating shelving aisles.
- ▶ No out-of-date goods thanks to the first-in-first-out principle (FIFO). The stored goods always roll automatically to the removal side on roller strips that act as rails.
- ▶ Fewer order picking mistakes due to compact product overview.
- ▶ Clear separation of supply and removal procedures; order picking is never interrupted by supply activities.
- ▶ Short, ergonomic access paths.
- ▶ Easy connection to conveying and handling technology.
- ▶ Easy handling due to the use of rollers.



