

R 3000 – the multi-functional shelving system

R 3000 is a multi-functional shelving system for all warehouse tasks. The framework construction and the variable bold-free system without a fixed basic, cover, shelf and traverse layout enables the completely free design of the rack fields with 53 mm adjustment steps.

R 3000 eliminates the classical separation of shelves, longspan racking and cantilever racking. This means one system for everything with

subsequent expansion options and complete flexibility should your storage needs change.

The closed special profile of the shelves allow carrier pockets and cross braces to be attached without any difficulty as a result of the conical grooves on both short sides. Cams on the wide sides allow shelves to be attached. Cut-outs on short and wide sides enable the problem-free and simple installation of platform support

elements. Variable compartment sizes are with freely positionable shelves and traverses, available in the field lengths 750, 994 and 1,282 mm.

Standardized components allow multi-tier installation facilities that utilize the space up to roof. Due to their high load-bearing capacity, the R 3000 shelves are the ideal solution for multi-tier shelf units with accessible intermediate platforms.

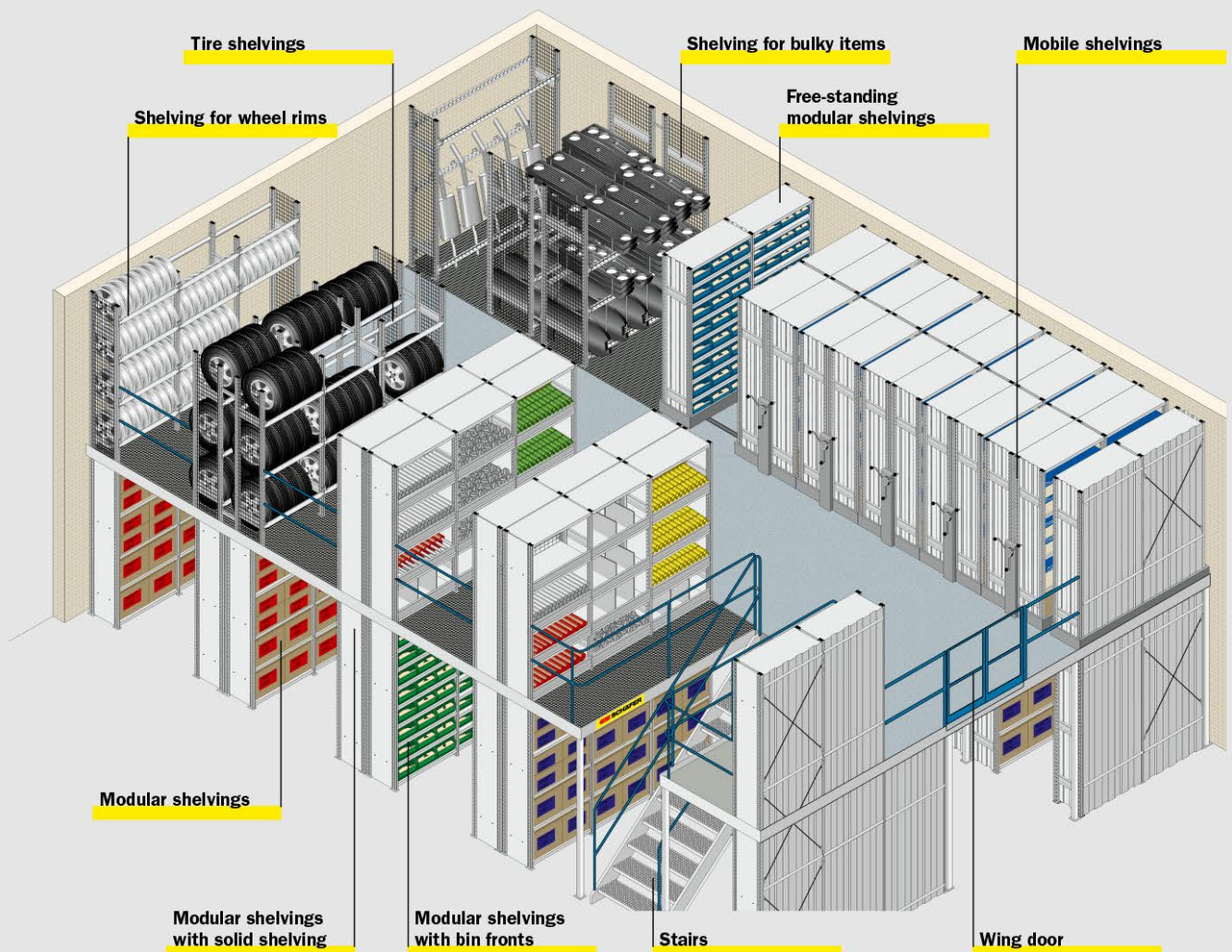
Boxes /
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shelvingLongspan
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platformsOn-line shelving /
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solutionsLogistics
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Appendix

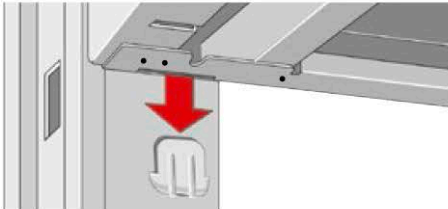
Multi-tier shelving systems

The pre-assembled upright frames are available in different heights for single and multi-tier installations. They are erected on site and secured using insertable shelves or traverses and bracings in the stand.

The standard platform height is 2,310 mm with a thickness of 30 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.

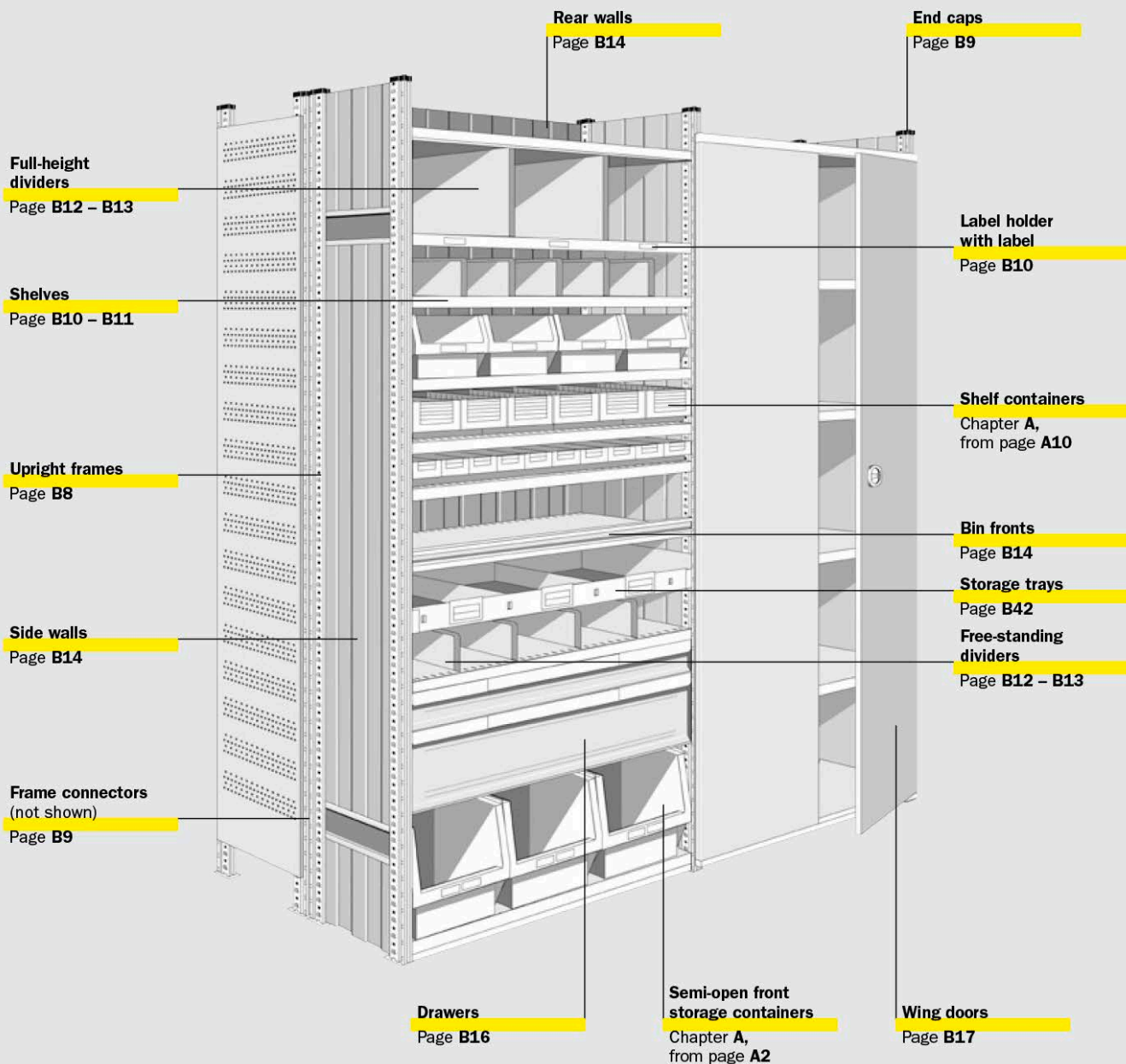


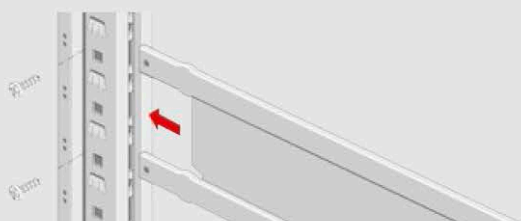
- **Plug-in construction for rapid assembly**
field lengths 750, 994 and 1,282 mm,
shelf depths of 300, 400, 500, 600 and 800 mm,
various heights for single and multi-tier installation
- **Frame profiles**
with 53 mm lug pitch
- **Upright frame in slotted version**
with slot spacing of 26.5 mm available on request
- **Fully organized**
thanks to extensive accessories such as shelves,
traverses, wooden shelves, walls, drawers and doors
- **High loading capacity to 3,500 kg
per field**
- **Multi-tier installations**
can also be retrofitted



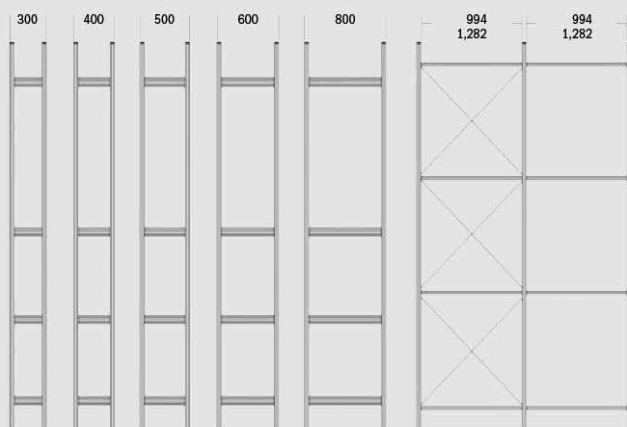
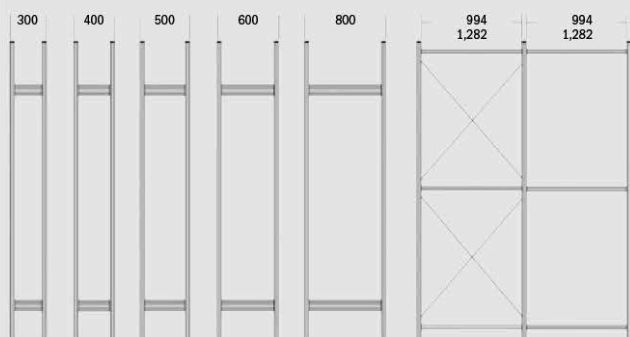
On SSI SCHAEFER shelves, the front edge overlaps the edge of the long side. In conjunction with the additional welding points, this enhances the security and low-bearing capacity of the shelf and also provides additional stability.

The equipment options





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 | | |

Height 2,278 mm

| | | | | | |
|------------|-----|-------|-------|------------|--------|
| RR 33322 V | 300 | 1,900 | 1,500 | Galvanized | 144750 |
| RR 34322 V | 400 | 1,900 | 1,500 | Galvanized | 144760 |
| RR 35322 V | 500 | 1,900 | 1,500 | Galvanized | 144770 |
| RR 36322 V | 600 | 1,900 | 1,500 | Galvanized | 144780 |
| RR 38322 V | 800 | 1,900 | 1,500 | Galvanized | 144790 |

| Item | Shelf depth (mm) | Bay load (kg) for height (mm) | | Type | Order no. |
|------|------------------|----------------------------------|-----------|------|-----------|
| | | 2 x 901 | 1 x 1,325 | | |

Height 2,490 mm

| | | | | | |
|------------|-----|-------|-------|------------|--------|
| RR 33325 V | 300 | 1,800 | 1,250 | Galvanized | 144050 |
| RR 34325 V | 400 | 1,800 | 1,250 | Galvanized | 144060 |
| RR 35325 V | 500 | 1,800 | 1,250 | Galvanized | 144070 |
| RR 36325 V | 600 | 1,800 | 1,250 | Galvanized | 144080 |
| RR 38325 V | 800 | 1,800 | 1,250 | Galvanized | 144090 |

| Item | Shelf depth (mm) | Bay load (kg) for height (mm) | | Type | Order no. |
|------|------------------|----------------------------------|-----------|------|-----------|
| | | 3 x 901 | 2 x 1,325 | | |

Height 2,967 mm

| | | | | | |
|------------|-----|---|-------|------------|--------|
| RR 33330 V | 300 | - | 1,500 | Galvanized | 144100 |
| RR 34330 V | 400 | - | 1,500 | Galvanized | 144110 |
| RR 35330 V | 500 | - | 1,500 | Galvanized | 144120 |
| RR 36330 V | 600 | - | 1,500 | Galvanized | 144130 |
| RR 38330 V | 800 | - | 1,500 | Galvanized | 144140 |

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. |
|------|------------------|---------------|------|-----------|
|------|------------------|---------------|------|-----------|

Height 2,278 mm

| | | | | |
|------------|-----|-------|------------|--------|
| RR 33522 V | 300 | 3,500 | Galvanized | 145800 |
| RR 34522 V | 400 | 3,500 | Galvanized | 145810 |
| RR 35522 V | 500 | 3,500 | Galvanized | 145820 |
| RR 36522 V | 600 | 3,500 | Galvanized | 145830 |
| RR 38522 V | 800 | 3,500 | Galvanized | 145840 |

| Item | Shelf depth (mm) | Bay load (kg) | Type | Order no. |
|------|------------------|---------------|------|-----------|
|------|------------------|---------------|------|-----------|

Height 2,490 mm

| | | | | |
|------------|-----|-------|------------|--------|
| RR 33525 V | 300 | 3,500 | Galvanized | 145850 |
| RR 34525 V | 400 | 3,500 | Galvanized | 145860 |
| RR 35525 V | 500 | 3,500 | Galvanized | 145870 |
| RR 36525 V | 600 | 3,500 | Galvanized | 145880 |
| RR 38525 V | 800 | 3,500 | Galvanized | 145890 |

| Item | Shelf depth (mm) | Bay load (kg) | Type | Order no. |
|------|------------------|---------------|------|-----------|
|------|------------------|---------------|------|-----------|

Height 2,967 mm

| | | | | |
|------------|-----|-------|------------|--------|
| RR 33530 V | 300 | 3,500 | Galvanized | 145900 |
| RR 34530 V | 400 | 3,500 | Galvanized | 145910 |
| RR 35530 V | 500 | 3,500 | Galvanized | 145920 |
| RR 36530 V | 600 | 3,500 | Galvanized | 145930 |
| RR 38530 V | 800 | 3,500 | Galvanized | 145940 |

| Item | Shelf depth (mm) | Bay load (kg) | Type | Order no. |
|------|------------------|---------------|------|-----------|
|------|------------------|---------------|------|-----------|

Height 4,557 mm

| | | | | |
|------------|-----|-------|------------|--------|
| RR 33545 V | 300 | 3,500 | Galvanized | 144600 |
| RR 34545 V | 400 | 3,500 | Galvanized | 144610 |
| RR 35545 V | 500 | 3,500 | Galvanized | 144620 |
| RR 36545 V | 600 | 3,500 | Galvanized | 144630 |
| RR 38545 V | 800 | 3,500 | Galvanized | 144640 |

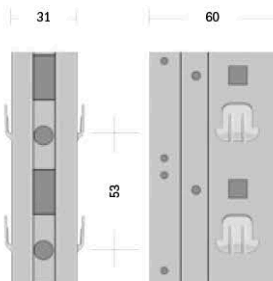
Heights 6,836 and 9,115 mm

on request

Order no. = on stock



Dimensions in mm



Lug pitch

Cam spacing of the upright profile enables the flexible configuration of the R 3000 with the extensive range of accessories. The field height of the shelves can be freely adjusted in 53 mm steps by simply inserting the shelves into the cams on the uprights.

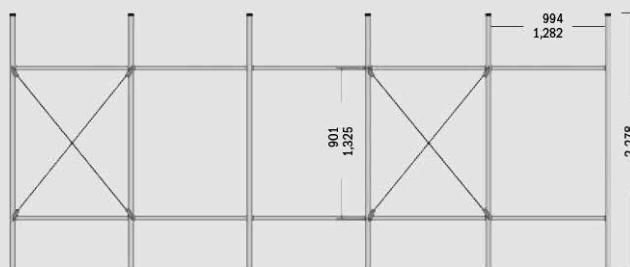
Shelf elements and accessories

Cross braces

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

Note: Shelves or gratings must be fitted in the vicinity cross brace mountings.

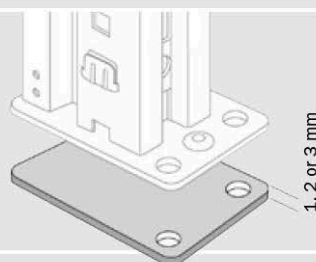
| Item | Field length (mm) | Height (mm) | Order no. |
|----------|-------------------|-------------|-----------|
| KV 31009 | 994 | 901 | 6670673 |
| KV 31013 | | 1,325 | 146000 |
| KV 31309 | 1,282 | 901 | 6670674 |
| KV 31313 | | 1,325 | 146010 |



Shim plates

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

| Item | Thickness (mm) | Order no. |
|---------|----------------|-----------|
| UP 3001 | 1 | 147450 |
| UP 3002 | 2 | 147070 |
| UP 3003 | 3 | 147460 |



Floor fixing

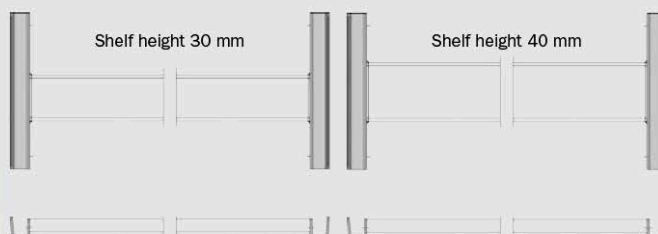
For anchoring the racks to the floor. Consists of screws, dowels, washers.

| Item | Order no. |
|---------|-----------|
| BF 3000 | 145710 |

Horizontal braces

Sheet steel, painted bright silver. For longitudinal bracing as an alternative to cross braces when cross braces are in the way of pass-throughs on double-row units associations or when single-row shelvings need to be accessed from both sides. The frame distance must be at least 30 mm in order to guarantee that the height of double shelvings can be subsequently adjusted. 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!**

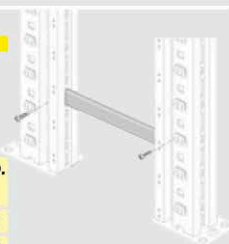
| Item | Field length (mm) | Shelf height (mm) | Order no. |
|---------|-------------------|-------------------|-----------|
| LV 3103 | 994 | 30 | 145060 |
| LV 3133 | 1,282 | 30 | 145070 |
| LV 3104 | 994 | 40 | 145080 |
| LV 3134 | 1,282 | 40 | 145090 |



Frame connector

Sheet steel, galvanized. For connecting 2 shelving fields in a row. Frame spacing of 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 |



Boxes / containers

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

Mezzanines / platforms

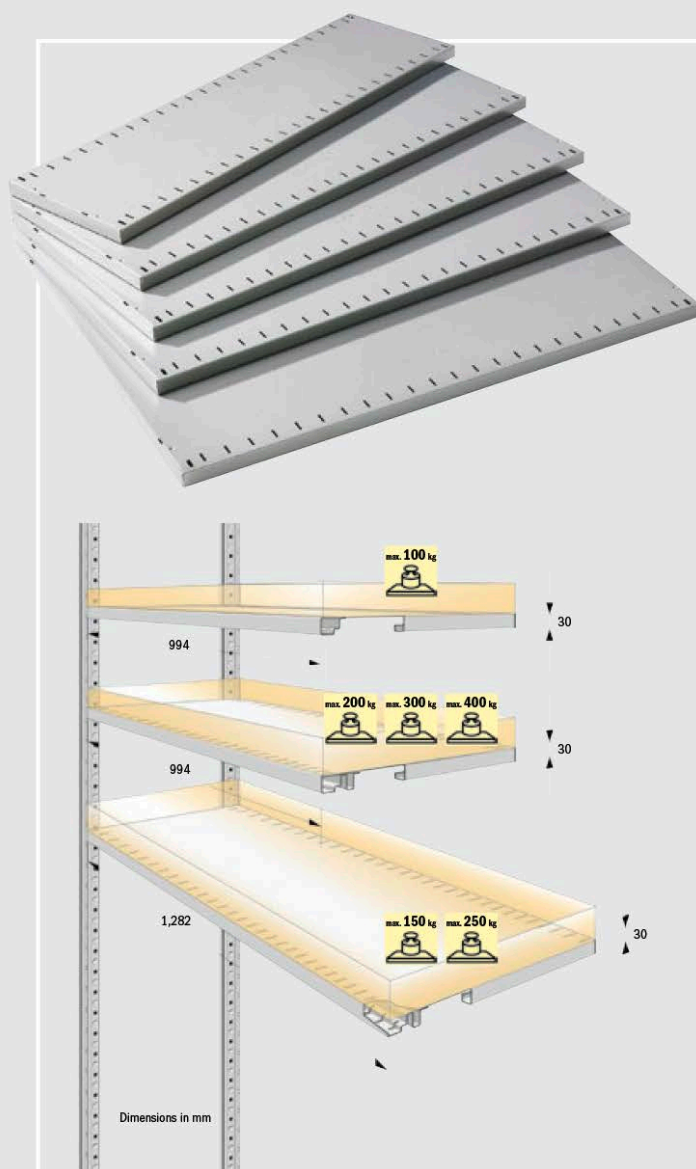
On-line shelving / KDR shelving

Semi-automated solutions

Logistics systems

Appendix

Shelves



GALVANIZED BRIGHT SILVER



Shelves

Sheet steel, alternatively painted bright silver or galvanized, 30 or 40 mm high. For the dividing the shelving fields 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 units

Shelves for field length 994 mm, height 30 mm

Sheet steel, painted bright silver or galvanized.

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

Shelves for field length 1,282 mm, height 30 mm

Sheet steel, painted bright silver or galvanized.

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

Label holder

Self-adhesive, for labeling inventory 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-designUnderside
Shelf
N-design

Shelves for field length 994 mm, height 40 mm

Sheet steel, painted bright silver or galvanized.

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

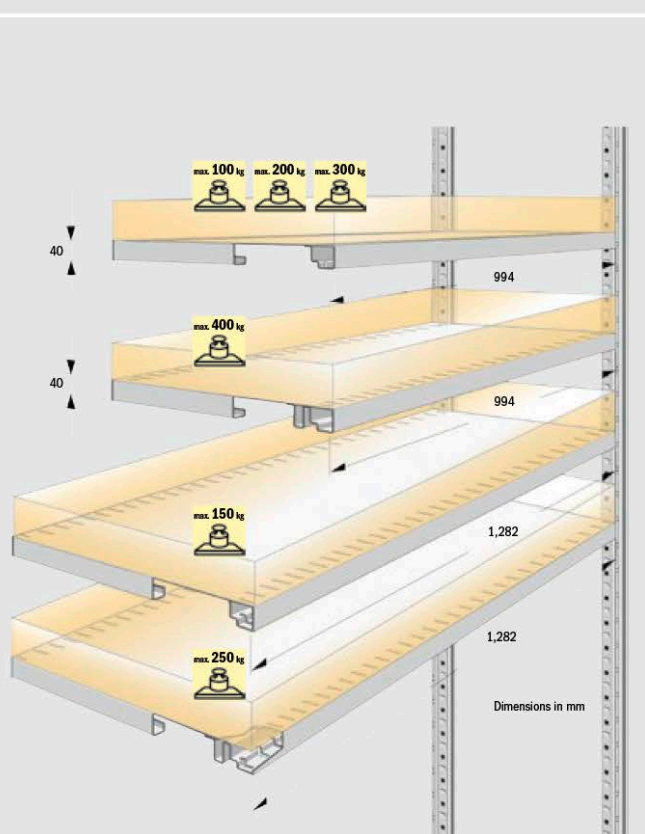
Shelves for field length 1,282 mm, height 40 mm

Sheet steel, painted bright silver or galvanized.

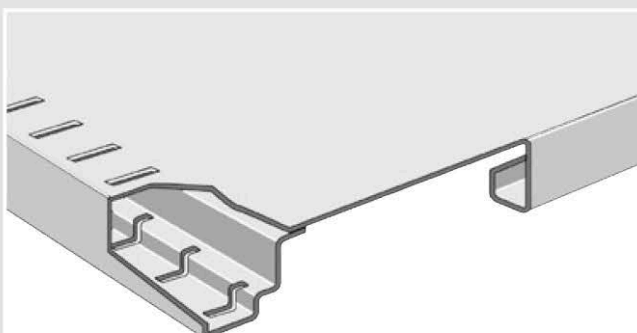
| | | | | | |
|-------------|-----|-----|---|------------|---------|
| ZB 341315 V | 400 | 150 | N | Galvanized | 145540 |
| ZB 341315 L | | 150 | N | Painted | on req. |
| ZB 351315 V | 500 | 150 | N | Galvanized | 145550 |
| ZB 351315 L | | 150 | N | Painted | on req. |
| ZB 351325 V | | 250 | V |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

 Waterpermeable
Shelves

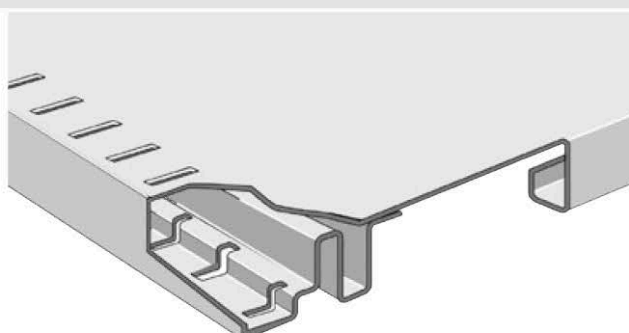

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 Shelf containers for
modular shelving

from page A10



Single lip shelf with 6x long edges = N-design



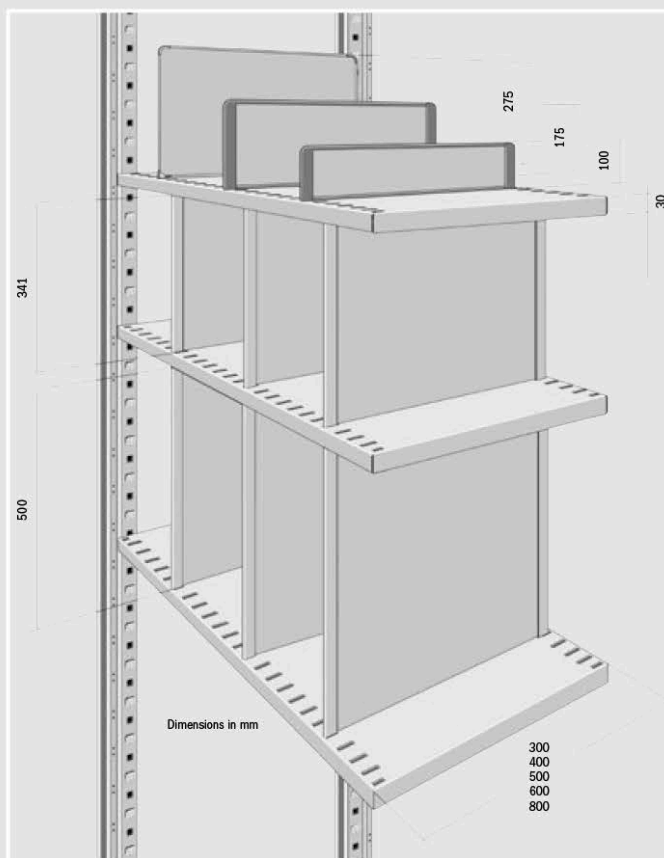
Double lip shelf with 10x long edges = V-design

Boxes /
containersModular
shelvingLongspan
rackingPallet
rackingCantilever
rackingMezzanines /
platformsOn-line shelving /
KDR shelvingSemi-automated
solutionsLogistics
systems

Appendix



The installation system



Free-standing dividers for 30 mm height 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.

| | | | |
|---------|-----|-----|-------|
| 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 |

Partitioning variants using shelves for the shelving heights 2,278, 2,490 and 2,967 mm

| | | | | | | | | | |
|----------------|-----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| 2,278 2,196 | 2 1083 | 3 712 | 4 606 | 5 500 | 6 341 | 7 288 | 8 341 | 10 288 | 14 125 |
| 2,490 2,408 | 2 1189 | 3 500 | 4 394 | 5 341 | 6 288 | 7 235 | 8 182 | 9 182 | 10 125 |
| 2,967 2,885 | 3 871 | 4 500 | 5 394 | 6 341 | 7 288 | 8 235 | 9 182 | 10 125 | 11 125 |
| | 2 977 | 3 500 | 4 394 | 5 341 | 6 288 | 7 235 | 8 182 | 9 125 | 10 125 |
| | 1 977 | 2 500 | 3 394 | 4 341 | 5 288 | 6 235 | 7 182 | 8 125 | 9 125 |
| | | 1 500 | 2 394 | 3 341 | 4 288 | 5 235 | 6 182 | 7 125 | 8 125 |
| | | | 1 394 | 2 341 | 3 288 | 4 235 | 5 182 | 6 125 | 7 125 |
| | | | | 1 341 | 2 288 | 3 235 | 4 182 | 5 125 | 6 125 |
| | | | | | 1 288 | 2 235 | 3 182 | 4 125 | 5 125 |
| | | | | | | 1 235 | 2 182 | 3 125 | 4 125 |
| | | | | | | | 1 182 | 2 125 | 3 125 |
| | | | | | | | | 1 125 | 2 125 |
| | | | | | | | | | 1 125 |

Order no. = on stock

The installation system

Free-standing dividers for 40 mm height 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 |

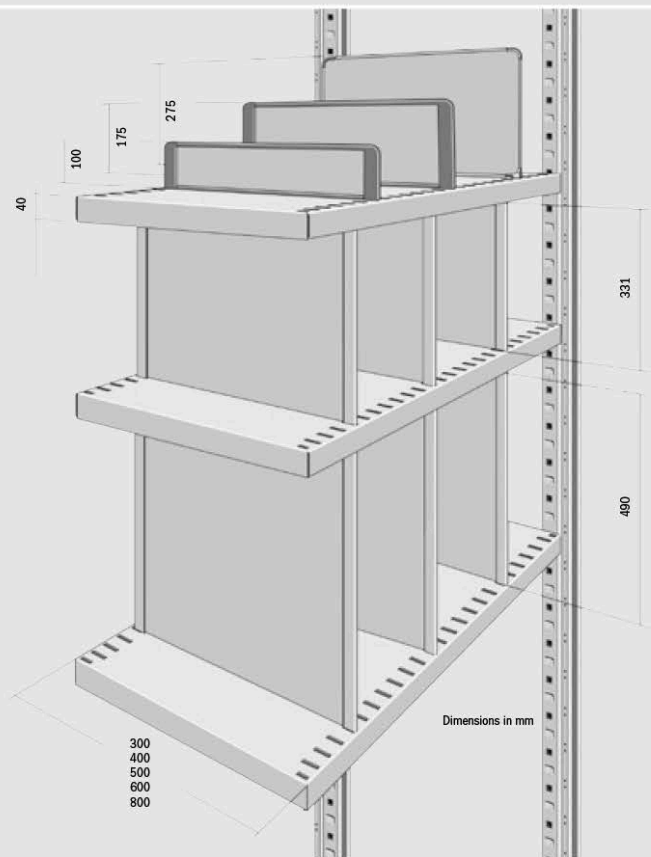
Full-height dividers

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 |

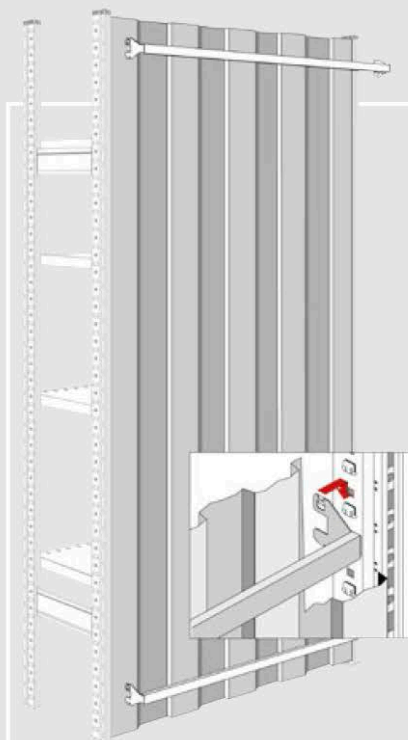
Partitioning variants using shelves for the shelving heights 2,278, 2,490 and 2,967 mm

| | | | | | | | | | | | | | | | | | | |
|--------------|----|-------|---|-----|---|-----|---|-----|---|-----|---|-----|----|-----|----|-----|----|-----|
| 2278 2186 | 2 | 1.075 | 3 | 702 | 4 | 590 | 5 | 490 | 6 | 331 | 7 | 278 | 8 | 331 | 10 | 278 | 14 | 115 |
| | 40 | — | — | — | — | — | — | — | — | — | 6 | 278 | 7 | 225 | 9 | 172 | 13 | 115 |
| | — | — | 2 | 702 | 3 | 490 | 4 | 384 | 5 | 331 | 5 | 278 | 6 | 225 | 8 | 172 | 12 | 115 |
| | 1 | 1.075 | — | — | 2 | 490 | 3 | 384 | 3 | 331 | 4 | 278 | 5 | 225 | 7 | 172 | 11 | 115 |
| 2490 2388 | — | — | 1 | 702 | — | — | 2 | 384 | — | — | 2 | 278 | — | — | 6 | 172 | 10 | 115 |
| | — | — | — | — | 1 | 490 | 1 | 384 | 1 | 331 | — | — | 4 | 225 | 5 | 172 | 9 | 115 |
| | — | — | — | — | — | — | — | — | — | — | 2 | 278 | 3 | 225 | 4 | 172 | 8 | 115 |
| | — | — | — | — | — | — | — | — | — | — | 1 | 278 | 2 | 225 | 3 | 172 | 7 | 115 |
| 2967 2875 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 6 | 115 |
| | 2 | 1.175 | 5 | 278 | 6 | 278 | 7 | 172 | 8 | 172 | 9 | 278 | 11 | 278 | 15 | 172 | 14 | 115 |
| | 40 | — | 4 | 490 | 5 | 384 | 6 | 331 | 7 | 278 | 8 | 225 | 10 | 172 | 13 | 115 | 12 | 115 |
| | — | — | — | — | — | — | — | — | — | — | 7 | 225 | 9 | 172 | 12 | 115 | 11 | 115 |
| 2967 2875 | — | — | 3 | 490 | 4 | 384 | 5 | 331 | 6 | 278 | 6 | 225 | 8 | 172 | 11 | 172 | 10 | 115 |
| | — | — | — | — | — | — | — | — | — | — | 5 | 225 | 7 | 172 | 9 | 172 | 9 | 115 |
| | 1 | 1.175 | 2 | 490 | 3 | 384 | 4 | 331 | 3 | 278 | 4 | 225 | 6 | 172 | 5 | 172 | 8 | 115 |
| | — | — | — | — | — | — | — | — | — | — | 3 | 225 | 5 | 172 | 4 | 172 | 7 | 115 |
| 2967 2875 | — | — | 1 | 490 | 2 | 384 | 2 | 331 | 2 | 278 | 2 | 225 | 3 | 172 | 3 | 172 | 5 | 115 |
| | — | — | — | — | 1 | 384 | 1 | 331 | 1 | 278 | 1 | 225 | 2 | 172 | 2 | 172 | 4 | 115 |
| | — | — | — | — | — | — | — | — | — | — | — | — | 1 | 172 | 1 | 172 | 3 | 115 |
| | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 2 | 115 |
| 2967 2875 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | 115 |
| | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

Boxes /
containersModular
shelvingLongspan
rackingPallet
rackingCantilever
rackingMezzanines /
platformsOn-line shelving /
KDR shelvingSemi-automated
solutionsLogistics
systems

Appendix

Shelf elements and accessories



External rear walls

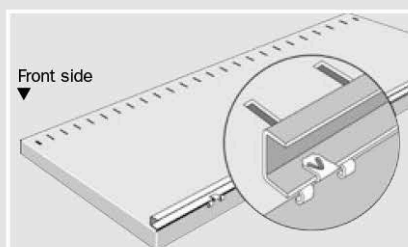
Sheet steel, galvanized. The 3-piece rear walls lean against the shelves. The retaining strips are pushed over the rear wall sections and locked into the cams of the uprights.

For field length 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 field length 1,282 mm, 3-piece

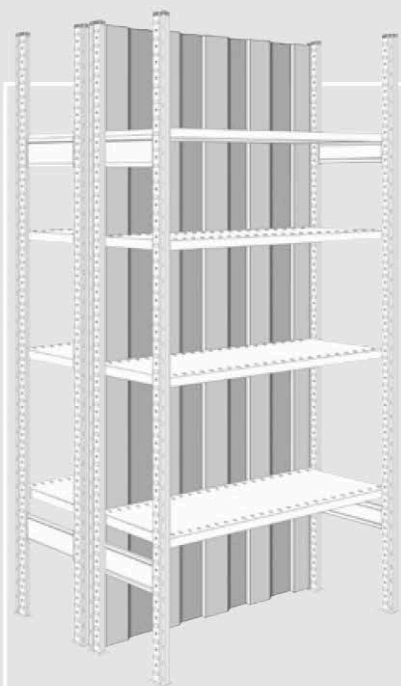
| | | |
|-----------|-------|--------|
| RWA 31322 | 2,278 | 146710 |
| RWA 31325 | 2,490 | 146550 |
| RWA 31330 | 2,967 | 146560 |



End stop

Sheet steel, galvanized. Prevent containers, for example, from being pushed through, include 3 clips.

| Item | Field length (mm) | Order no. |
|----------|-------------------|-----------|
| DSL 4102 | 994 | 27990 |
| DSL 9131 | 1,282 | 38190 |



Rear walls inside

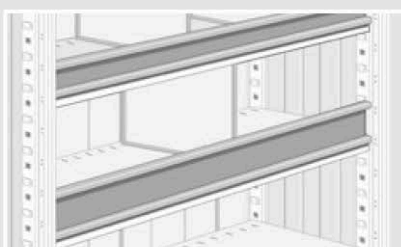
Sheet steel, galvanized. For use between two racks. Pushed together like panels and supported by the shelves.

For field length 994 mm, 3-piece

| Item | Height (mm) | Order no. |
|-----------|-------------|-----------|
| RWI 31022 | 2,278 | 146720 |
| RWI 31025 | 2,490 | 146460 |
| RWI 31030 | 2,967 | 146470 |

For field length 1,282 mm, 3-piece

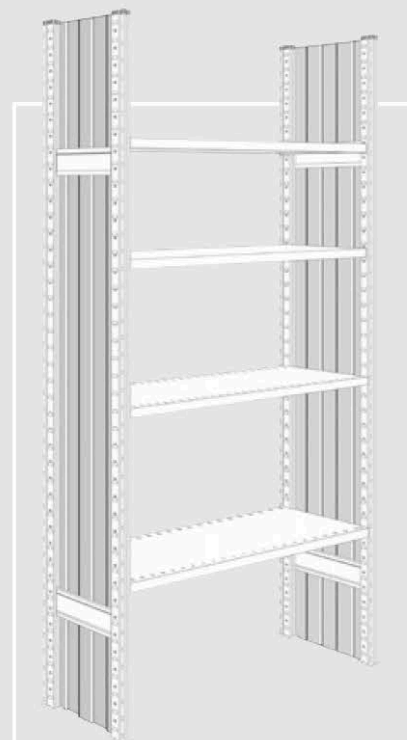
| | | |
|-----------|-------|--------|
| RWI 31322 | 2,278 | 146730 |
| RWI 31325 | 2,490 | 146490 |
| RWI 31330 | 2,967 | 146500 |



Bin fronts

Sheet steel, galvanized, for storing loose small parts. Particularly suitable in conjunction with divider, medium, rear and side walls.

| Item | Field length (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 |



Side walls

Sheet steel, galvanized. The side wall leans against the compartment stays between the uprights and is clamped between the compartment stays and the shelves.

For height 2,278 mm

| Item | Shelf depth (mm) | Order no. |
|----------|------------------|-----------|
| SWI 3322 | 300 | 146650 |
| SWI 3422 | 400 | 146660 |
| SWI 3522 | 500 | 146670 |
| SWI 3622 | 600 | 146680 |
| SWI 3822 | 800 | 146690 |

For height 2,490 mm

| | | |
|----------|-----|--------|
| SWI 3325 | 300 | 146150 |
| SWI 3425 | 400 | 146160 |
| SWI 3525 | 500 | 146170 |
| SWI 3625 | 600 | 146180 |
| SWI 3825 | 800 | 146190 |

For height 2,967 mm

| | | |
|----------|-----|--------|
| SWI 3330 | 300 | 146200 |
| SWI 3430 | 400 | 146210 |
| SWI 3530 | 500 | 146220 |
| SWI 3630 | 600 | 146230 |
| SWI 3830 | 800 | 146240 |

U-profile strips

When constructing shelving systems, we recommend U-profile strips when using sheet steel central and rear walls (RWI/RWA type).

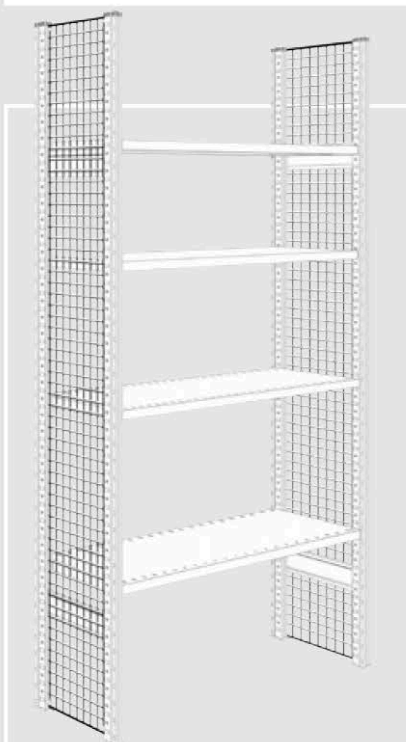
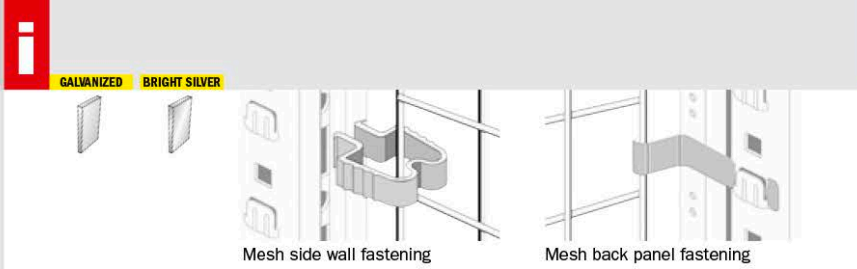
U-profile strips, single

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

| Item | for field length (mm) | Order no. |
|-----------|-----------------------|-----------|
| RWUE 3100 | 994 | 6623182 |
| RWUE 3130 | 1,282 | 6623184 |

Order no. = on stock

Accessories

**Mesh side walls**

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

For height 2,278 mm

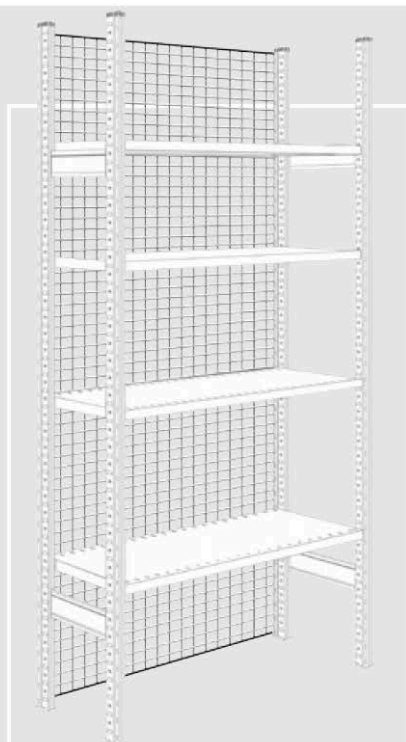
| Item | Shelf depth (mm) | Order no. |
|----------|------------------|-----------|
| SWG 3322 | 300 | 146740 |
| SWG 3422 | 400 | 146750 |
| SWG 3522 | 500 | 146760 |
| SWG 3622 | 600 | 146770 |
| SWG 3822 | 800 | 146780 |

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

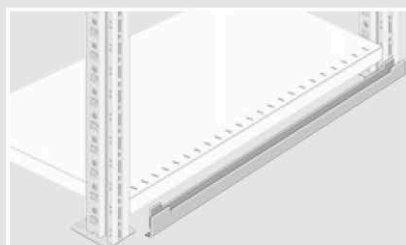
| | | |
|----------|-----|--------|
| SWG 3330 | 300 | 146400 |
| SWG 3430 | 400 | 146410 |
| SWG 3530 | 500 | 146420 |
| SWG 3630 | 600 | 146430 |
| SWG 3830 | 800 | 146440 |

**Mesh back panels**

Steel wire, painted bright silver. The walls are attached to the cams using retaining springs. Incl. fixing kit.

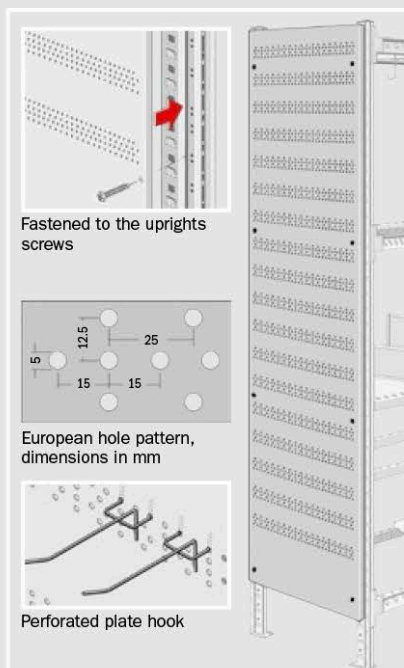
For field length 994 mm

| Item | Height (mm) | Order no. |
|----------------------------------|-------------|-----------|
| RWG 31022 | 2,278 | 146790 |
| RWG 31025 | 2,490 | 146580 |
| RWG 31030 | 2,967/pair | 146590 |
| For field length 1,282 mm | | |
| RWG 31322 | 2,278 | 146800 |
| RWG 31325 | 2,490 | 146610 |
| RWG 31330 | 2,967/pair | 146620 |

**Plinth rails**

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

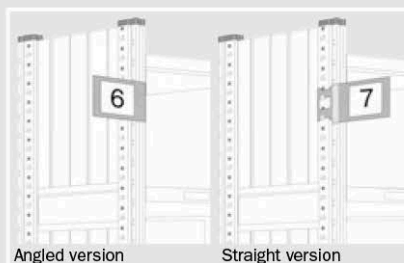
| Item | Field length (mm) | Order no. |
|---------|-------------------|-----------|
| SO 7102 | 994 | 28860 |
| SO 7132 | 1,282 | 28900 |

**Outer side walls, perforated**

Sheet steel, galvanized.

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 |

**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 |

**U-profile strips, doubled**

As a connecting element for wall elements above each other.

| Item | for field length (mm) | Order no. |
|-----------|-----------------------|-----------|
| RWUD 3100 | 994 | 6623180 |
| RWUD 3130 | 1,282 | 6623181 |

Boxes /
containersModular
shelvingLongspan
rackingPallet
rackingCantilever
rackingMezzanines /
platformsOn-line shelving /
KDR shelvingSemi-automated
solutionsLogistics
systems

Appendix

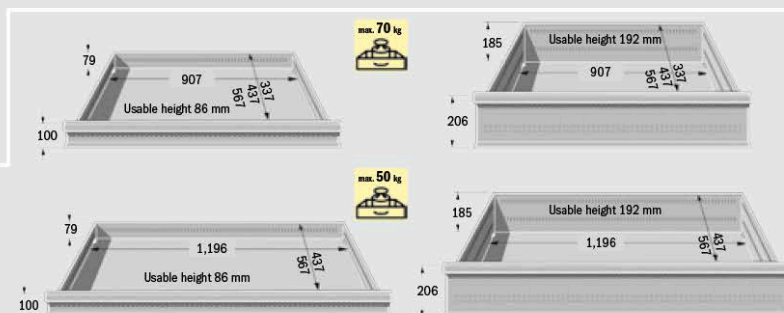
Drawers and accessories

► Stability with drawers

As per the guidelines for storage facilities and equipment BGR 234, special securing between the racks or to suitable parts of the building structure, for example, must be carried out in order to guarantee the stability when drawers are used without safety brakes.



Drawer side panels with and without lock



Drawers for field length 994/1,282 mm

Sheet steel, painted bright silver. Drawers can be combined with two-wing doors.

Drawer side panels

Cover the spaces between the uprights and drawers. Attached using cross-head screws on the left and right of the drawer front.

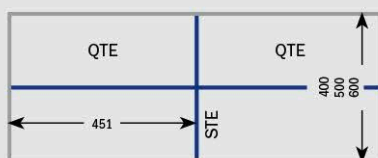
Delivered as a set for 1 drawer.

| Item | For cover panel height (mm) | Type | Order no. |
|---------------|-----------------------------|--------------|-----------|
| SBS-ESCH 4100 | 100 | with 1 lock | 29720 |
| SBL-ESCH 4100 | | without lock | 28260 |
| SBS-ESCH 4200 | 206 | with 1 lock | 29730 |
| SBL-ESCH 4200 | | without lock | 28270 |

| Item | Cover panel height (mm) | for field length (mm) | for shelf depth (mm) | Usable depth (mm) | Load max. (kg) | Order no. |
|-----------|-------------------------|-----------------------|----------------------|-------------------|----------------|-----------|
| ESCH 4410 | 100 | 994 | 400 | 337 | 70 | 26680 |
| ESCH 4510 | | 994 | 500 | 437 | 70 | 27951 |
| ESCH 4610 | | 994 | 600 | 567 | 70 | 27971 |
| ESCH 9510 | | 1,282 | 500 | 437 | 50 | 170940 |
| ESCH 9610 | | 1,282 | 600 | 567 | 50 | 170950 |
| ESCH 4420 | 206 | 994 | 400 | 337 | 70 | 26690 |
| ESCH 4520 | | 994 | 500 | 437 | 70 | 27961 |
| ESCH 4620 | | 994 | 600 | 567 | 70 | 27981 |
| ESCH 9520 | | 1,282 | 500 | 437 | 50 | 170960 |
| ESCH 9620 | | 1,282 | 600 | 567 | 50 | 170970 |

Drawer dividers and crosswise partitioning

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



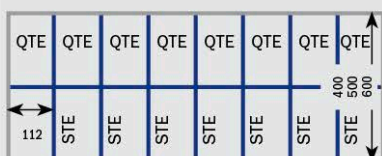
Quarter division, 1x STE and 2x QTE

| Item | for drawer | Order no. |
|---------|------------|-----------|
| SE 4121 | ESCH 4410 | 29742 |
| SE 4122 | ESCH 4420 | 29752 |
| SE 5121 | ESCH 4510 | 29740 |
| SE 5122 | ESCH 4520 | 29750 |
| SE 6121 | ESCH 4610 | 29741 |
| SE 6122 | ESCH 4620 | 29751 |



Eighth division, 3x STE and 4x QTE

| Item | for drawer | Order no. |
|---------|------------|-----------|
| SE 4141 | ESCH 4410 | 29762 |
| SE 4142 | ESCH 4420 | 29772 |
| SE 5141 | ESCH 4510 | 29760 |
| SE 5142 | ESCH 4520 | 29770 |
| SE 6141 | ESCH 4610 | 29761 |
| SE 6142 | ESCH 4620 | 29771 |



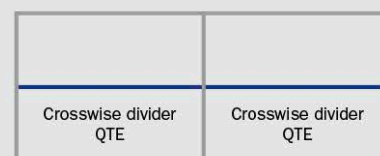
Sixteenth division, 7x STE and 8x QTE

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



Lengthwise dividers

| Item | Cover panel height (mm) | Order no. |
|----------|-------------------------|-----------|
| STE 4010 | 100 | 26660 |
| STE 4020 | 206 | 26670 |
| STE 5010 | 100 | 29880 |
| STE 5020 | 206 | 29881 |
| STE 6010 | 100 | 29882 |
| STE 6020 | 206 | 29883 |
| QTE/STE | Divider holder | 6000349 |



Crosswise dividers

| Item | Division | Cover panel height (mm) | Order no. |
|----------|----------|-------------------------|-----------|
| QTE 1210 | 1/2 | 100 | 29860 |
| QTE 1220 | 1/2 | 206 | 29861 |
| QTE 1410 | 1/4 | 100 | 29862 |
| QTE 1420 | 1/4 | 206 | 29863 |
| QTE 1810 | 1/8 | 100 | 29864 |
| QTE 1820 | 1/8 | 206 | 29865 |

Order no. = on stock



BLUE

BRIGHT SILVER



Pull-out shelves
Wing doors
Drawers

► Two-wing doors

When 40 mm high shelves are used, the bottom shelf must always be 30 mm high. The rear and side walls must be ordered separately when retrofitting.



Combination A

Only for drawer ESCH 4510.

12 lengthwise dividers W 46,5 mm and 30 crosswise dividers; 4 lengthwise dividers W 93 mm and 10 crosswise dividers.

| Item | Shelf depth (mm) | Division height (mm) | Order no. |
|------------|------------------|----------------------|-----------|
| SUW 5003 A | 500 | 36 | 35220 |
| SUW 5006 A | 500 | 66 | 35221 |



Combination B

Only for drawer ESCH 4510.

6 lengthwise dividers W 46,5 mm and 24 crosswise dividers; 3 lengthwise dividers W 93 mm and 12 crosswise dividers; 2 lengthwise dividers W 186 mm and 4 crosswise dividers.

| Item | Shelf depth (mm) | Division height (mm) | Order no. |
|------------|------------------|----------------------|-----------|
| SUW 5003 B | 500 | 36 | 35230 |
| SUW 5006 B | 500 | 66 | 35231 |



Combination C

Only for drawer ESCH 4510.

10 lengthwise dividers W 93 mm and 20 crosswise dividers.

| Item | Shelf depth (mm) | Division height (mm) | Order no. |
|------------|------------------|----------------------|-----------|
| SUW 5003 C | 500 | 36 | 35240 |
| SUW 5006 C | 500 | 66 | 35241 |



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.

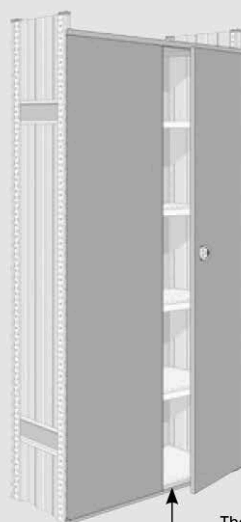
| Item | L x W x H (mm) | Order no. |
|----------|----------------|-----------|
| EK 1 | 180 x 96 x 60 | 1134 |
| EK 2 | 90 x 96 x 60 | 1144 |
| EK 3 | 90 x 48 x 60 | 1154 |
| EK 111-N | 137 x 87 x 96 | 4364 |

Insert boxes – complete range

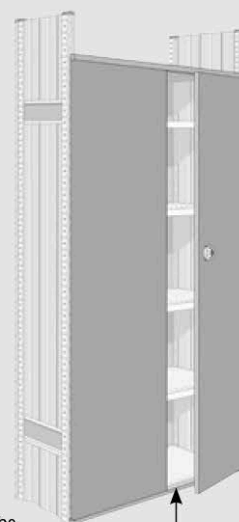
Only for drawer ESCH 4510.

10 x EK 1, 20 x EK 2, 10 x EK 3.

SET 2501 12914



The lowest shelf must always be configured with a height of 30 mm



Two-wing door

For subsequent installation in open shelf fields with field length 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 rear and side walls must be ordered separately when retrofitting.

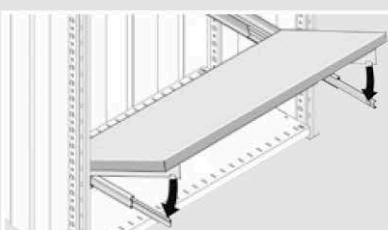
| Item | for field length (mm) | Order no. |
|-----------|-----------------------|-----------|
| FTR 4001 | 994 | 27900 |
| FTR 9001 | 1,282 | 17690 |
| BM-FTR-R3 | Fixing kit | 144980 |

Two-wing door for multi-tier installations

For subsequent installation in open shelf fields with field length 994 and 1,282 mm. Height 1,845 mm.

In multi-tier systems, shortened wing doors must be installed above and below the platform due to technical reasons. A shelf must be fitted at the corresponding height. To install the lower door fitting, the lowest shelf must always be 30 mm high.

| Item | for field length (mm) | Order no. |
|------------|-----------------------|-----------|
| FTR-B 4001 | 994 | 27910 |
| FTR-B 9001 | 1,282 | 17700 |
| BM-FTR-R3 | Fixing kit | 144980 |



Pull-out shelves

Sheet steel, painted bright silver. Complete set including accessories. Compartment load: 70 kg (field length 994 mm) and 50 kg (field length 1,282 mm).

| Item | Shelf depth (mm) | Field length (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 |



Side and rear walls

page B14



Additional shelves

from page B10

Boxes / containers

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

Mezzanines / platforms

On-line shelving / KDR shelving

Semi-automated solutions

Logistics systems

Appendix



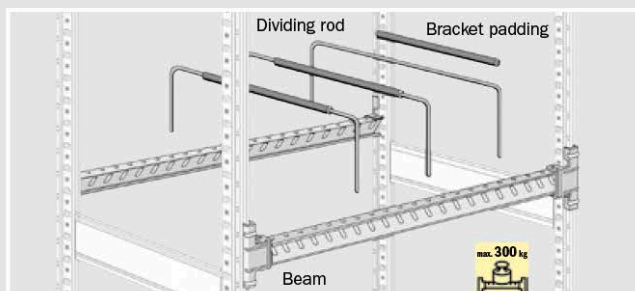
Beams
Push-in tube
Push-in holder

Hanging rail set
Rail support
Bridging cross beam

Accessories for storage of bulky parts

Beams

are used as an alternative to cross braces for longitudinal bracing. At least 2 pairs of traverses are used per rack field and secured against being lifted out using the screws included.



Beams

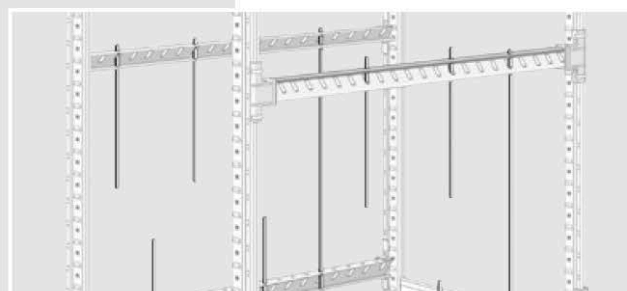
Sheet steel, galvanized. The height of the traverses can be adjusted in 53 mm steps.

| 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 |

Dividing rods

The KTB brackets serve to divide 800 mm deep shelving fields lengthwise. Height 330 mm.

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



Push-in tubes

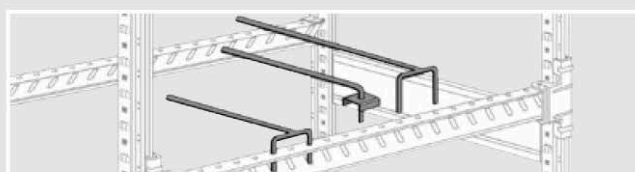
Sheet steel, galvanized. The tubes are pushed through the holes in the traverses in and lock in place automatically.

| 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)

Self-adhesive, 932 mm length, 2 mm thick.

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



Compartment dividers

Can be inserted 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 |



Hanging rail sets

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

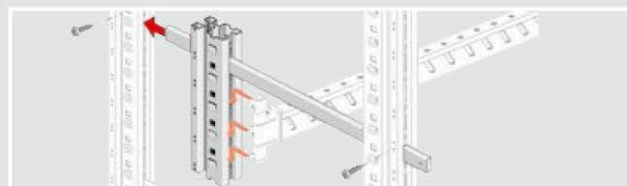
| Item | L x D (mm) | Order no. |
|----------|-------------|-----------|
| KST 3108 | 994 x 800 | 147190 |
| KST 3134 | 1,282 x 400 | 147490 |
| KST 3138 | 1,282 x 800 | 147200 |



Rail support

Sheet steel, galvanized. For partitioning fields in upright frames.

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



Bridging cross beam

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

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

Order no. = on stock

Accessories for storage of bulky parts

Wooden shelves, same height

For single and two-space shelves, made of 20 mm 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 20 mm high longitudinal edge of the wooden shelf is protected.

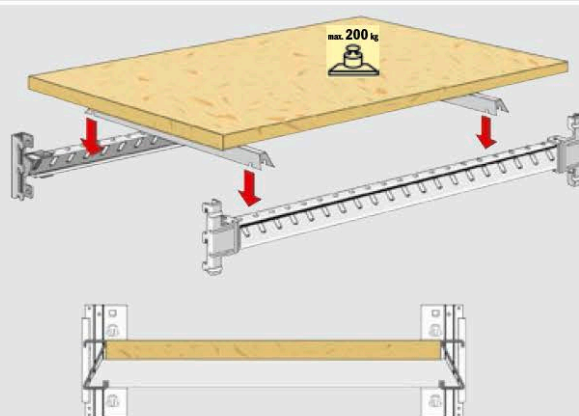
The traverses are not included in the scope of delivery, please order separately (page B18).

Chipboard dimensions

for field length 994 mm: W 985 x T 717 x H 20 mm

for field length 1,282 mm: W 1,273 x T 717 x H 20 mm

| Item | for field length (mm) | Order no. |
|-------------|-----------------------------------|-----------|
| KRHH 381020 | 994, incl. 2 universal carriers | 94760 |
| KRHH 381320 | 1,282, incl. 3 universal carriers | 94670 |
| UT 8800 | Universal carrier, single | 94770 |



Wooden shelves, recessed

20 mm thick. Used as a stop, inserted into the traverse.

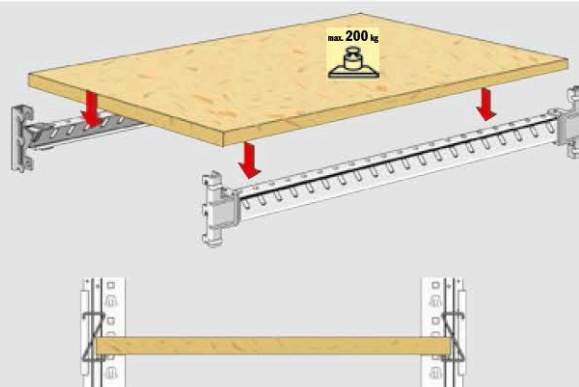
The traverses are not included in the scope of delivery, please order separately (page B18).

Chipboard dimensions

for field length 994 mm: W 985 x T 755 x H 20 mm

for field length 1,282 mm: W 1,273 x T 755 x H 20 mm

| Item | for field length (mm) | Order no. |
|-------------|--------------------------|-----------|
| KRAB 381020 | 994 | 94830 |
| KRAB 381320 | 1,282 | 94990 |



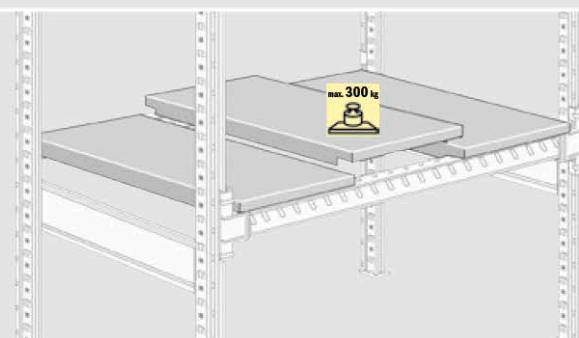
Sheet steel panels

Galvanized, single or multiple panels can be used to close areas within the shelving.

The traverses are not included in the scope of delivery, please order separately (page B18).

W 328 x D 800 mm.

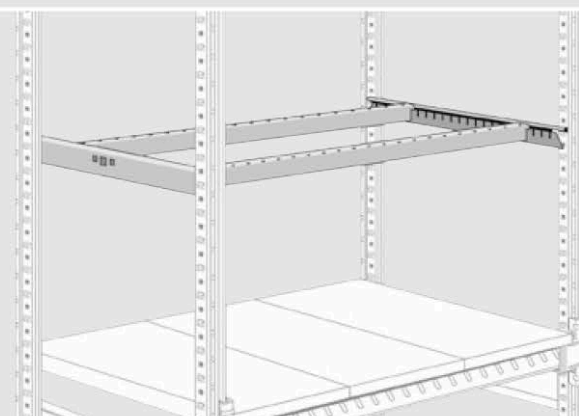
| Item | for field length (mm) | Order no. |
|--------|---------------------------|-----------|
| PA7834 | 994 (3x for field 994 mm) | 29110 |



Universal set

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

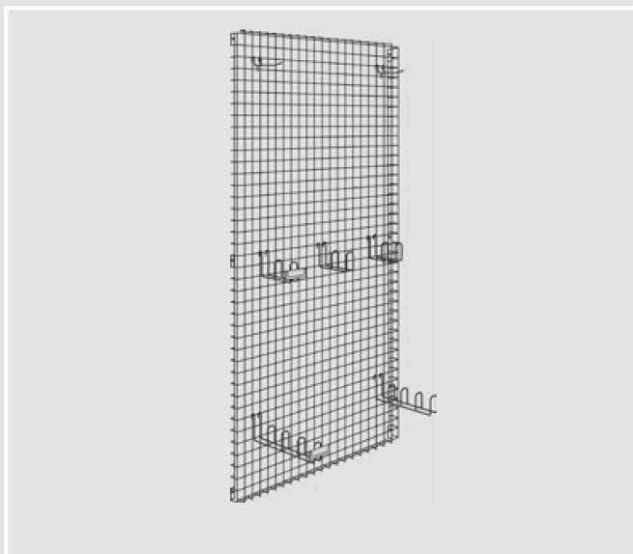
| Item | Designation | Order no. |
|----------|--|-----------|
| US 4100 | Universal set, 4-piece, shelf depth 800 mm | 26700 |
| UT 4114 | Universal traverses, single | 26710 |
| KRT 4100 | Terodaem underlay, self-adhesive | 28220 |

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Appendix



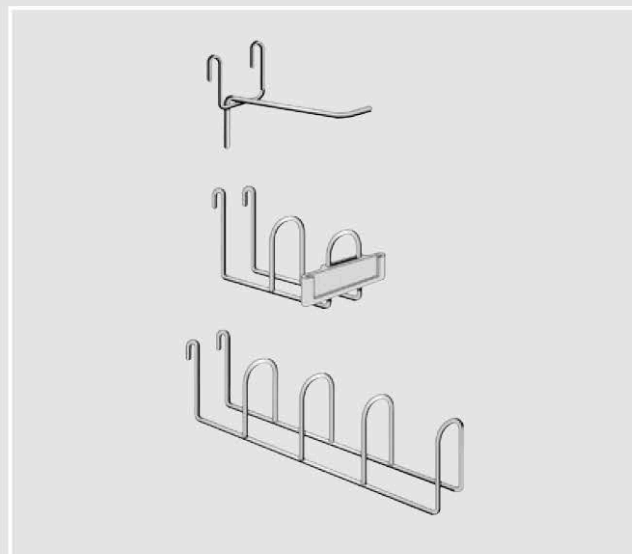
Panel and long material storage



Ornamental parts mesh

Made of structural steel mesh, 50 x 50 x 4 mm, painted bright 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, attached to the ornamental parts mesh.

| 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

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 layered, perforated and galvanized wires. Load-bearing capacity up to max. 250 kg. Water permeability of up to 70%, ideal for project-specific fire protection requirements. Very light permeable 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 |

Minimum order quantity: 1,000 pieces

Hazardous materials storage system

Shelving with drip trays and grated 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 S 350 GD, liquid-tight welded, suitable for materials with a density of max. 1,000 kg/m³. A corresponding test certificate from RWT has been issued. Compliance with the guidelines as documented by the type plate of the tray.

Grated 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

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Appendix

Compact storage with mobile shelving systems

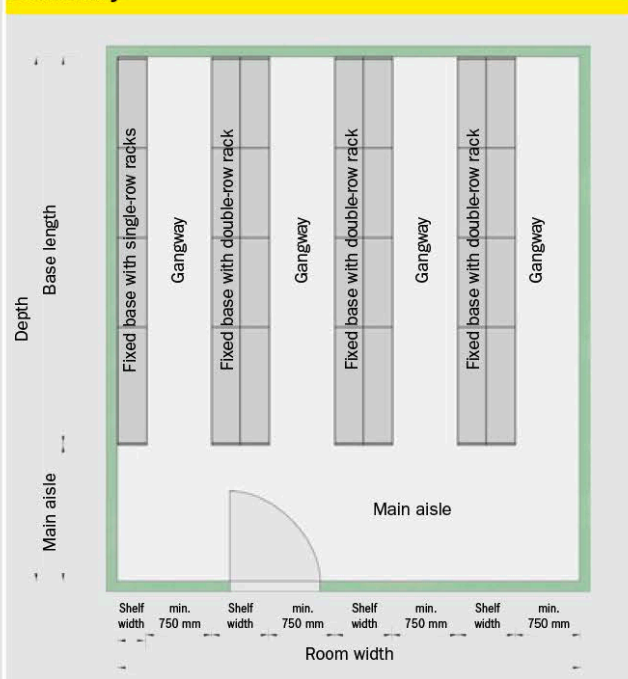
- **Compact storage**
- **Optimum conveying**
even on critical surfaces
- **Your benefit:**
No risk of tripping
due to the use of special
undercarriages directly on
the existing floor

Conventional storage using fixed shelving requires a gangway between each shelf. This costs valuable storage space. Over the long term, mobile shelving systems are more profitable.

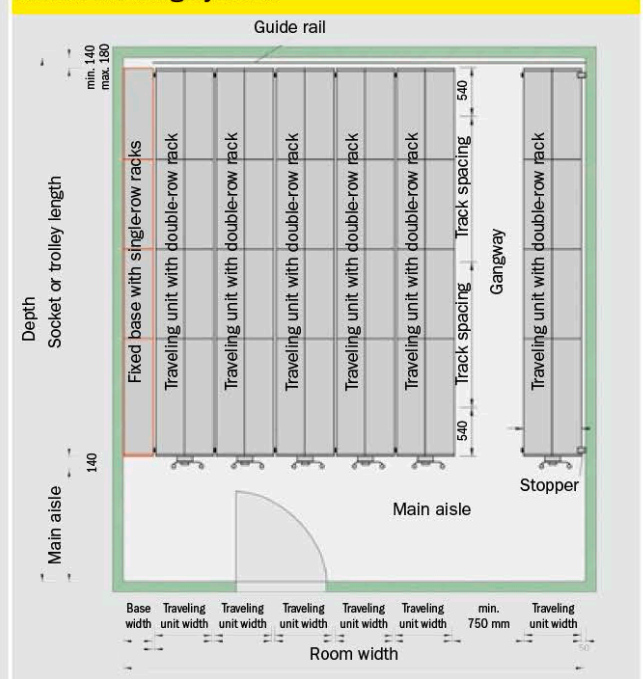
Mobile shelving technology requires only one aisle, as the shelving units are mounted on carriages and can be moved to provide access if needed.

This increases valuable storage space by up to 85% for single-story and more than 100% for multi-tier installations.

Stationary



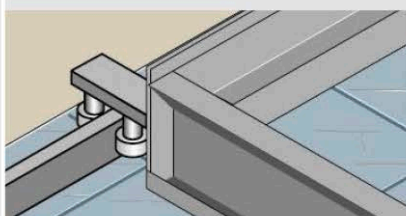
Mobile shelving systems



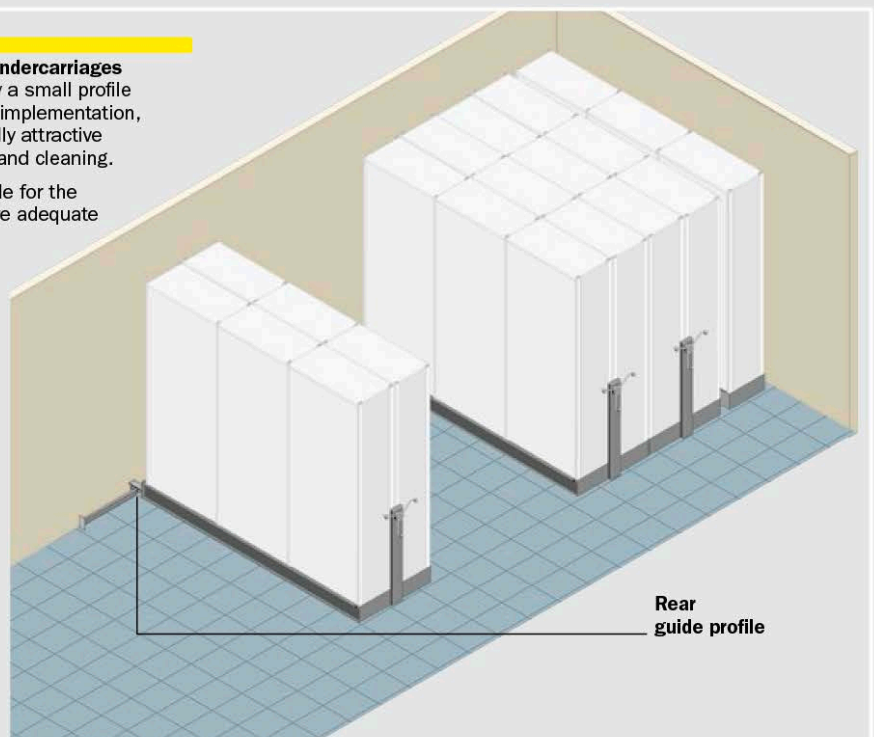
Rail-free systems with crank drive

These systems move the carriage **using special undercarriages directly on the existing floors**. They are guided by a small profile attached to the rear side. This saves time for the implementation, is especially cost-effective and is also an especially attractive option for modifications (relocations, extensions) and cleaning.

All permanently installed floor surfaces are suitable for the use of SSI SCHAEFER rail-free systems if they have adequate load-bearing capabilities.



Rear guide profile – rail-free version



► For storage with

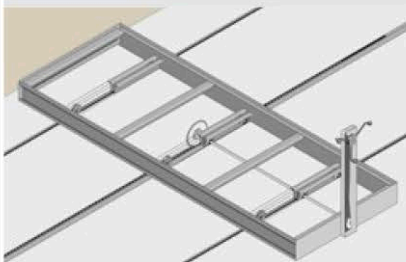
- Shelves
- Wheeled traverses
- Cantilevers

Mobile shelving systems

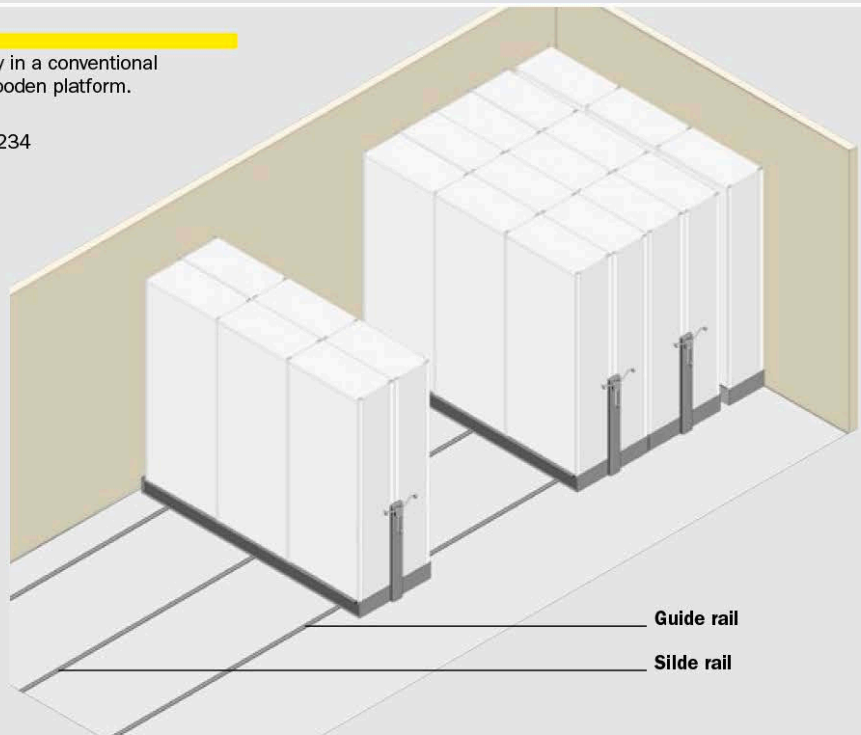
Rail-guided systems with crank drive

The traveling units can be moved safely and easily in a conventional manner using rails installed in the floor or on a wooden platform.

- High load
- Up to 5 t payload per traveling unit as per BGR 234
- Easy movement
- Long shelving rows possible
- With tipping protection (optional)



Rail-guided traveling unit

**Electrically movable racks with access control (RFID)**

With the VRL-ELX mobile shelving, the traveling units are moved parallel to each other with a single motor drive. This guarantees fast, secure and efficient work.

Scanning a badge on the operator panel opens the aisles for removal. In addition, the RFID control ensures security, because unauthorized persons do not have access to the system. The individual access privileges can be set for each rack row individually using a PC.

- Up to 16 t payload per traveling unit
- Long shelving rows possible
- With tipping protection
- RFID access control
- Fan function for fire extinguishing and ventilation of stored documents



Simple operation using RFID



Wheel 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 traverses simply slot into the pre-assembled upright frames without using screws. In addition, the special shape reinforces the rigidity of the shelving field. The individual levels can be adjusted in 53 : 53 mm steps at any time.

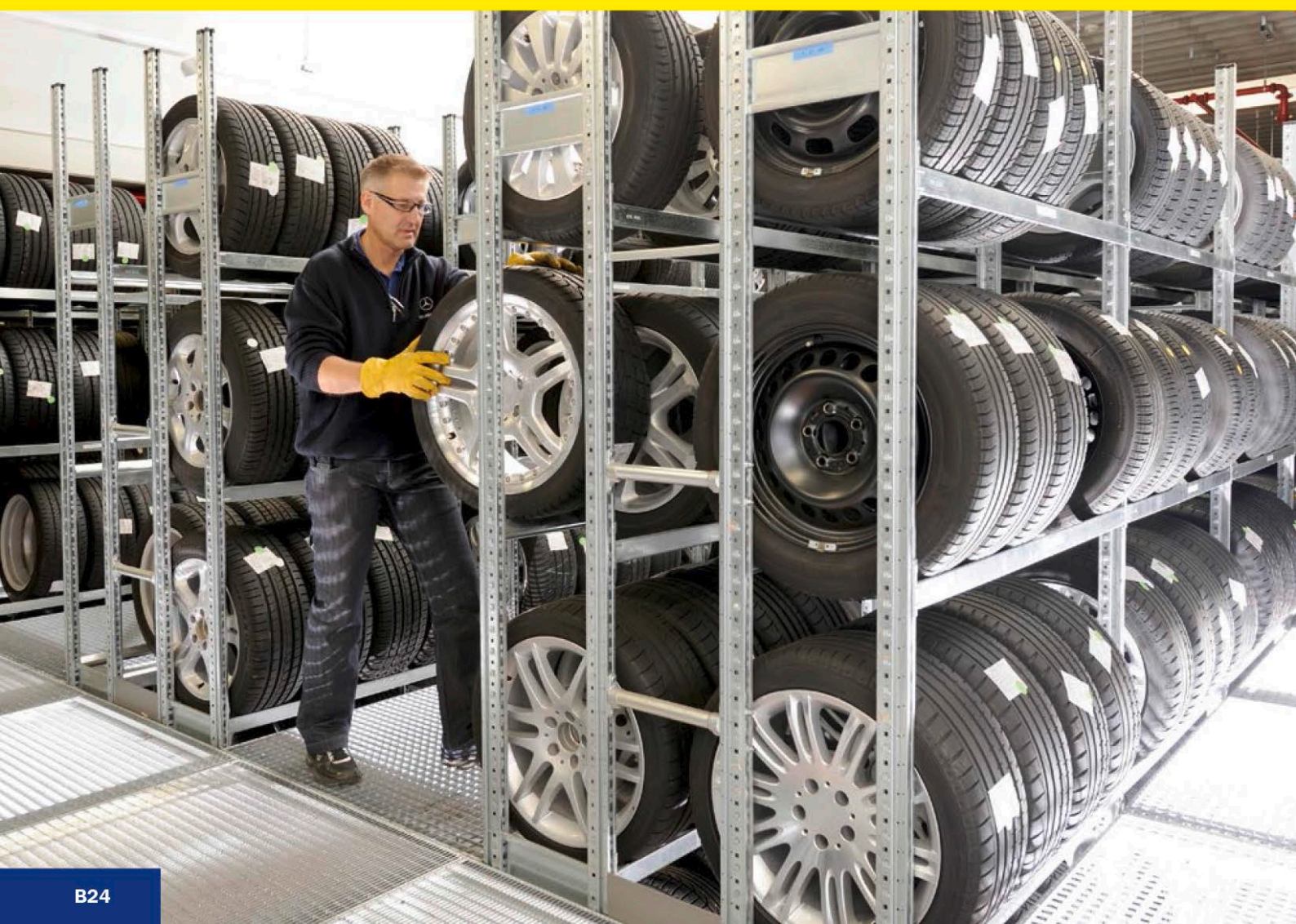
SSI SCHAEFER offers a variety of wheel storage solutions. These include storage next to each other in single and double-depth racks and in sets behind one another in channels.

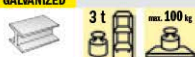
Page B25 displays the complete shelving systems and their individual parts.

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

On pages B26 and B27 you will find a solution that could be well suited to your needs. We are happy to advise you – feel free to contact us!

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





Upright slots

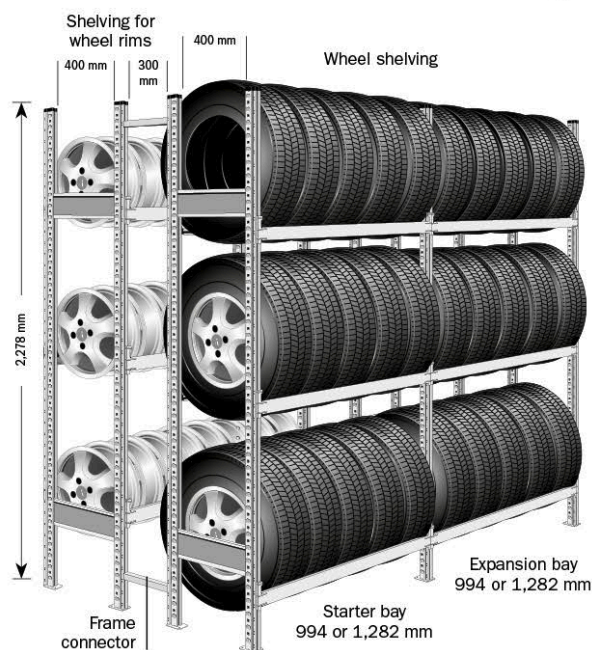
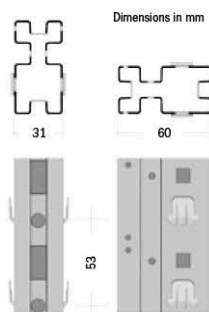
the upright slots enable the tire and rim traverses to be configured and adjusted in a 53 mm grid without the use of screws. This allows the levels to be precisely adjusted to the specific wheel and rim sizes

Lug pitch

at the same time, the cam spacing (53 mm grid) enables shelves to be inserted so that the shelving can be used extensively and for a variety of different purposes

Wheel and rim traverse

the special traverse profile from SSI SCHAEFER ensures the safe storage of wheels and rims



Wheel storage – complete systems/individual parts

Wheel and rim complete shelving systems

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

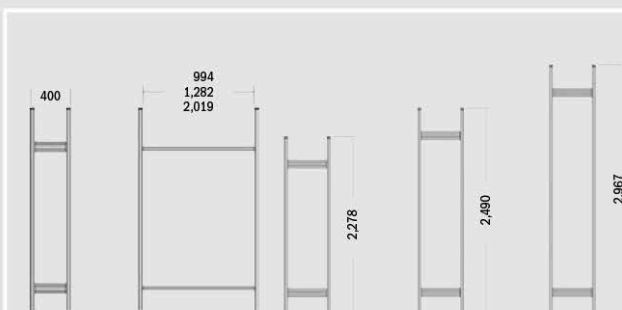
Starter bay: 2 frames and 6 traverses (equal to 3 storage levels), 2 frame connectors

Expansion bay: 1 frame and 6 traverses (equal to 3 storage levels), 1 frame connector

Clear field length: 994/1,282 x H 2,278 x D 400 mm

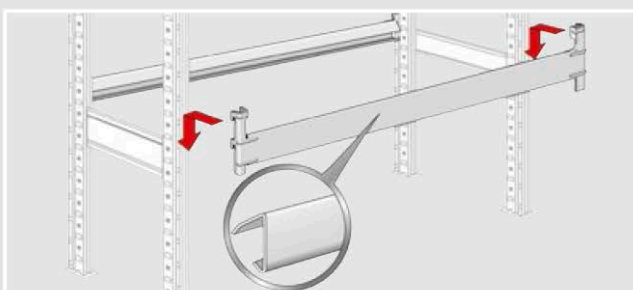
Adjusting grid: 53 : 53 mm

| Item | Type | Field length (mm) | Order no. |
|------------|---------------|-------------------|-----------|
| RFR 2210 G | Starter bay | 994 | 147900 |
| RFR 2210 A | Expansion bay | 994 | 147910 |
| RFR 2213 G | Starter bay | 1,282 | 147920 |
| RFR 2213 A | Expansion bay | 1,282 | 147930 |



Upright frames, galvanized

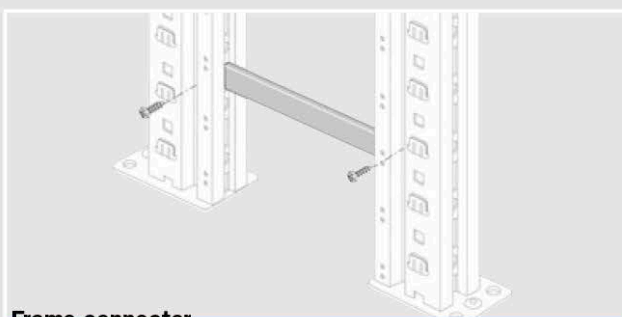
| Item | Shelf height (mm) | Shelf depth (mm) | Bay load max. (kg) | Order no. |
|------------|-------------------|------------------|--------------------|-----------|
| RR 34322 V | 2,278 | 400 | 3,000 | 144760 |
| RR 34325 V | 2,490 | 400 | 3,000 | 144060 |
| RR 34330 V | 2,967 | 400 | 3,000 | 144110 |



Wheel and rim traverses

| Item | Clear field length (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 field length 2,019 mm | | 6670339 |

Order no. = on stock



Frame connector

Sheet steel, galvanized. For connecting 2 shelving fields in a row. Incl. fixing kit.

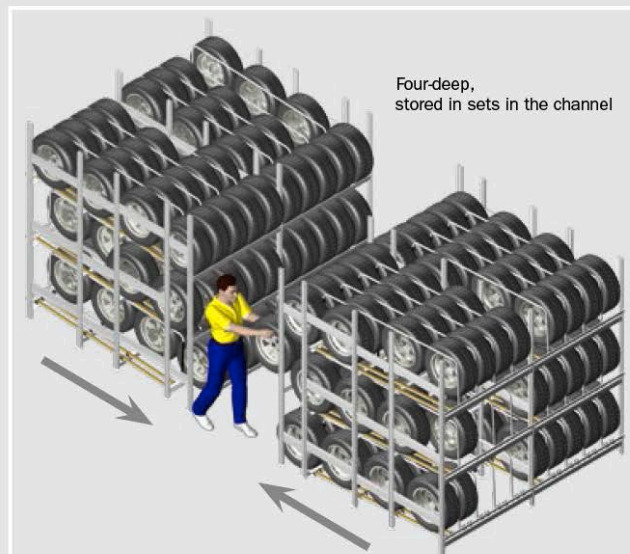
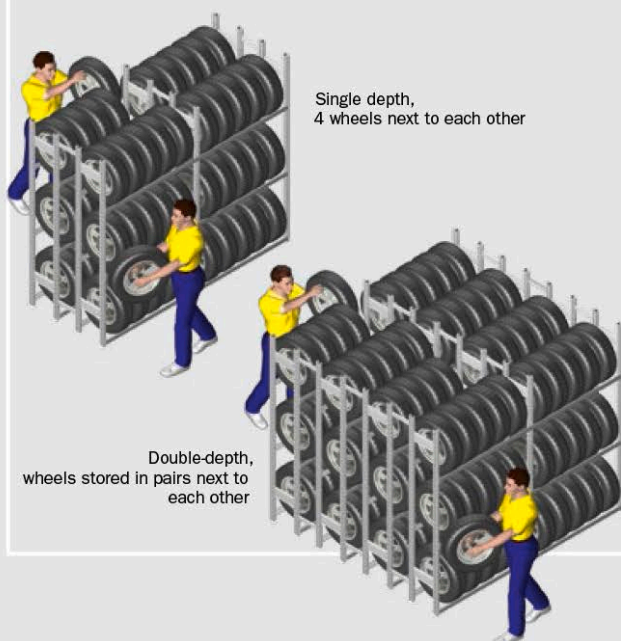
| Item | For frame distance (mm) | Order no. |
|---------|-------------------------|-----------|
| RV 3300 | 300 | 147120 |

Wheel storage

Single/double-depth, stationary shelves

The conventional single-depth system stores the four wheels next to each other in a single-depth shelving. Storing the wheels in double-depth pairs is more efficient. In this case, two wheels are stored one behind the other in a shelving.

Single and double-depth shelving systems can also be installed as mobile shelving with manual or electric drives.



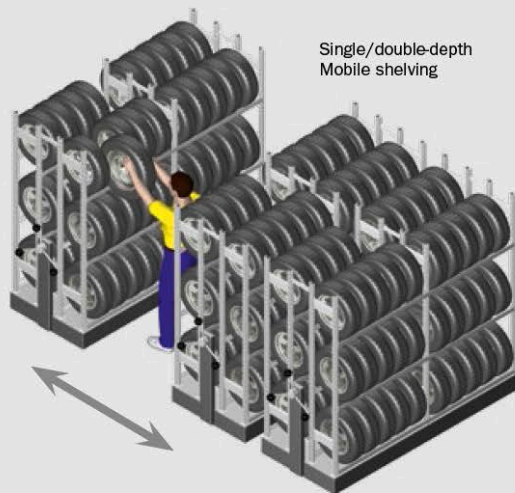
Four-deep, dynamic shelves

Four-deep, dynamic shelving conveniently provide a cost effective and efficient solution for storing a set of wheels one behind the other in a channel with roller bars where they can also be removed ergonomically.

This method combines dynamic storage technology with conventional shelving. During removal, the wheel at the rear rolls forward on a roller bar into an easily accessible position.



Wheel storage



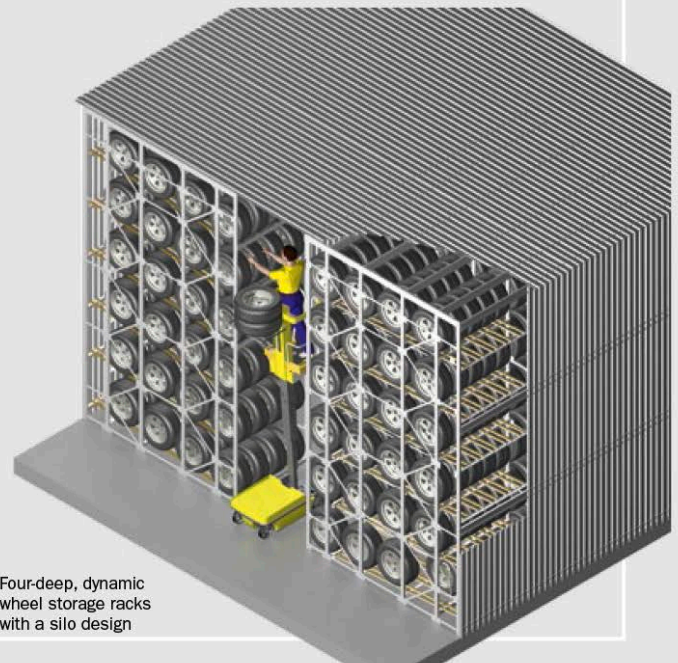
Wheel storage with mobile shelving systems

Mobile shelving technology requires only one aisle because the shelving units are mounted on carriages and can be moved to provide access if needed.

This increases valuable storage space by up to 85% for single-story and more than 100% for multi-tier installations.

Wheel storage using a silo construction

All stationary systems can also be implemented as integrated building solutions with complete roof and wall cladding (silo construction). SSI SCHAEFER draws on decades of experience in the high bay shelving systems and numerous successful reference projects.

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Appendix

Compact storage using ...

New parts storage concepts based on the SSI SCHAEFER Locator System.

Effective storage planning is distinguished by short travel times for people and material. In keeping with the motto "space-saving – fast – flexible and reliable", SSI SCHAEFER has taken parts storage to a new level with the Locator System. This concept provides capabilities that were once reserved for state-of-the-art logistics centers.

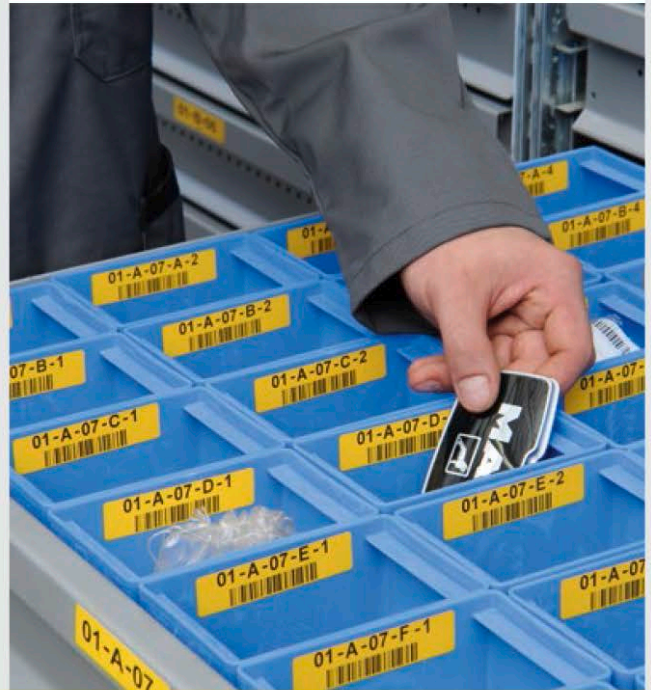
The principle:

These parts are stored on the basis of their size and weight as well as the current inventory. Special characteristics such as hazardous substances, water, sensitivity and value are taken into account as is the movement data of the article.

The Locator System assigns every article a suitable storage location with a fixed address on the basis of the specified characteristics.

Benefits for facility management

- ▶ Up to 50% space savings
- ▶ Up to 50% lower operating costs
(energy and maintenance)



Operational benefits

- ▶ **Up to 70% shorter paths**
when picking orders = order picking work
- ▶ **Up to 50% shorter paths**
when putting goods into storage
- ▶ **Up to 70% faster storage**



The result:

The consistent compartment allocation determines the space reserves in advance. This results in significantly better space usage for small and middle-sized parts in comparison to conventional systems. This provides storage area and space savings **of up to 50%**.

The storage locations always have optimized paths based on the turnover, further reducing the already short paths. This also shortens the travel time for both storage and order picking **by more than 70%**.

Another advantage is that **searching is eliminated**. The part is located where it is registered in the EDP system. Parts can be found by anyone, even without special expertise.



... SSI SCHAEFER Locator System

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