



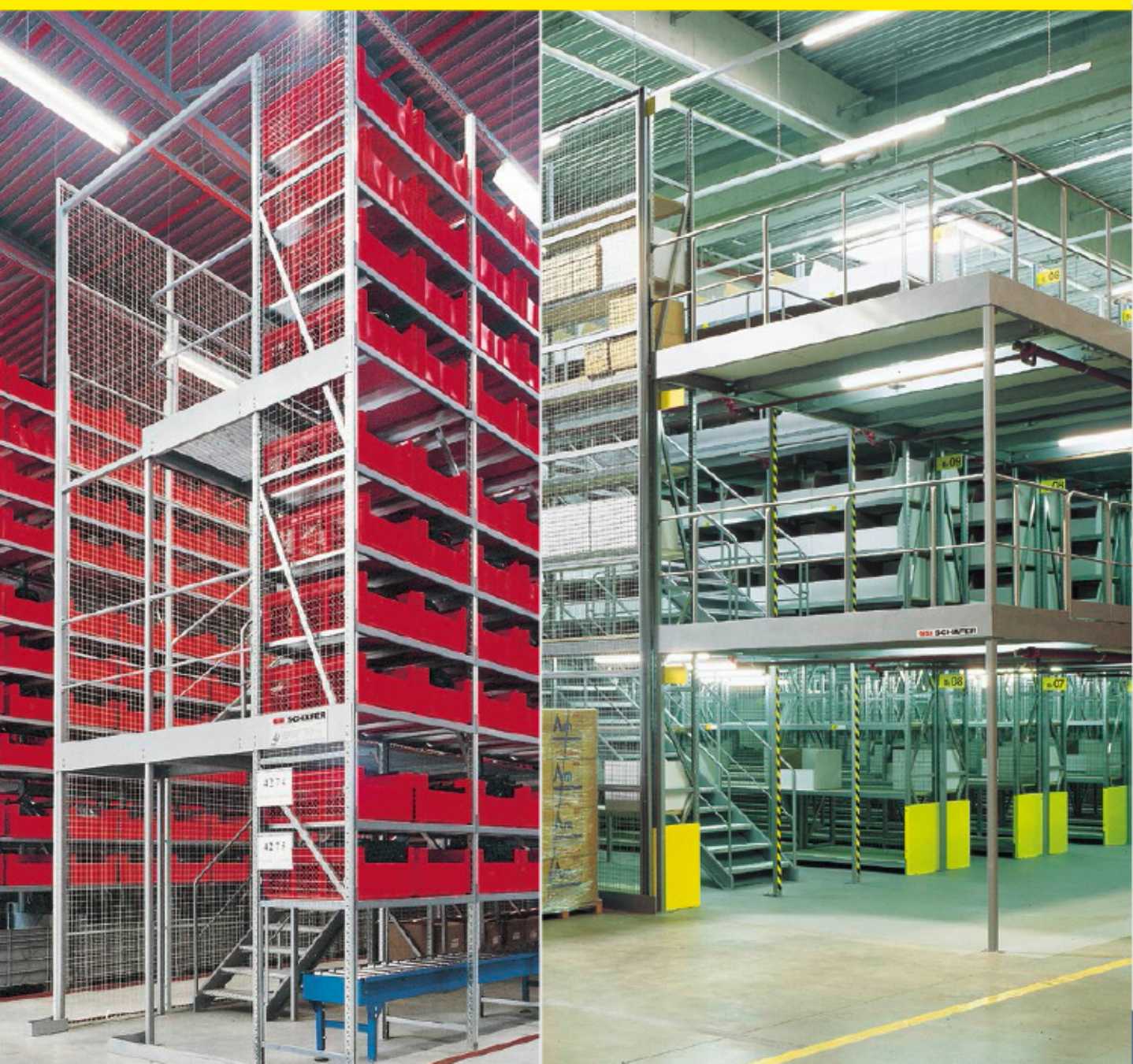
R 7000 – the versatile shelving system



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

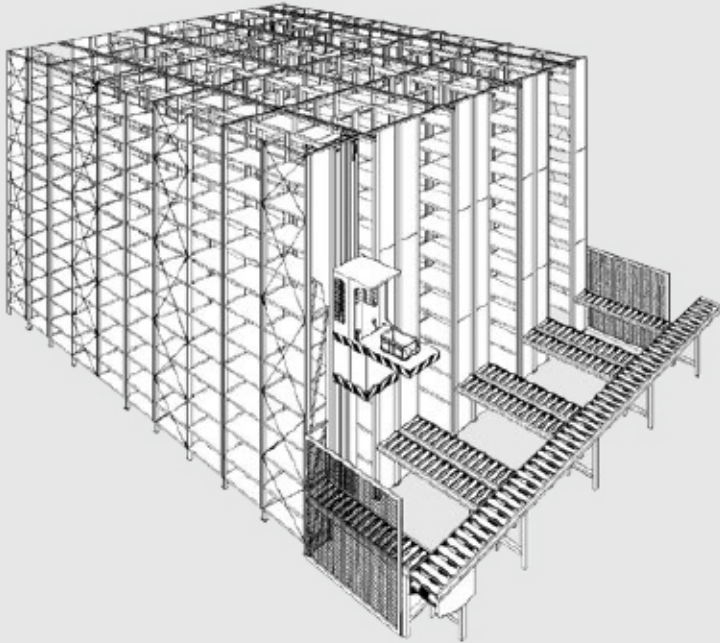
Freely positionable shelves or traverses enable variable compartment heights that can be flexibly adapted to the size of the storage goods.

Available with the field lengths 995 and 1,283 mm, the shelvings are designed for bay loads of up to 6,000 kg. As a consequence, R 7000 modular shelvings are ideal for constructing free-standing high bay racking systems with storage and retrieval devices or for multi-tier installations with accessible platforms and high compartment loads.

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

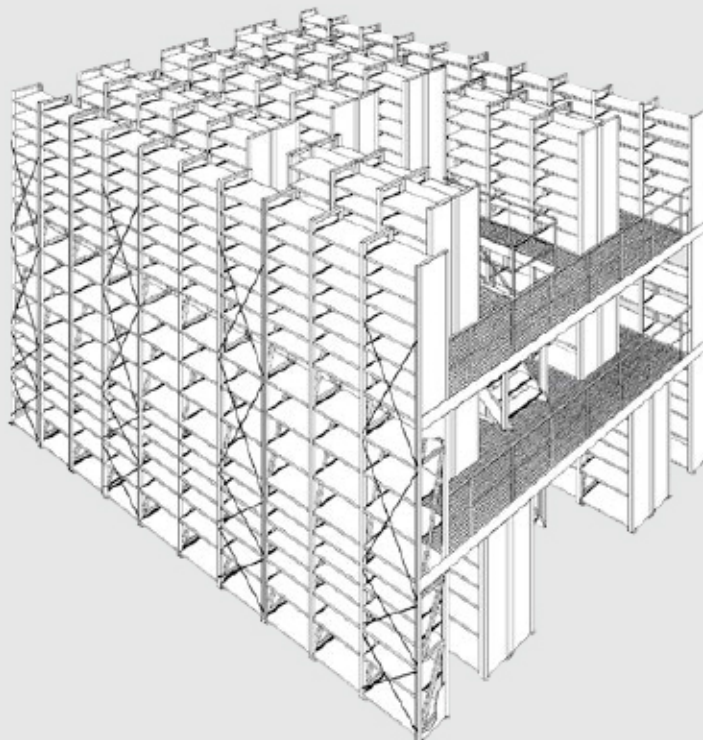
Appendix

High bay storage and multi-tier installations



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

i Up to 5 stories high



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



- ▶ **Bold-free system**
for high bay storage with 53 mm steps
- ▶ **Frame system**
2 field lengths, 4 shelf depths, various story heights
- ▶ **Rapid assembly**
due to precisely prefabricated components
- ▶ **High loading capacity of up to 6,000 kg per field**
- ▶ **Extensive range of accessories**
- ▶ **High bay storage facilities and multi-tier installations can be constructed**

The R 7000 complies with the guidelines for storage facilities and equipment defined by the trade association. As such, it is certified with the GS mark.



The equipment



► **R 7000 on-line shelving**
from page **G6**



Also available:

Mesh rear and side walls (not shown)
Page **B38 – B39**

Panel rear and side walls (not shown)
Page **B38**

Horizontal braces (not shown)
Page **B36**

Upright frames
Page **B34**

End stop
Page **B36**

Cross braces for stabilization
Page **B34**

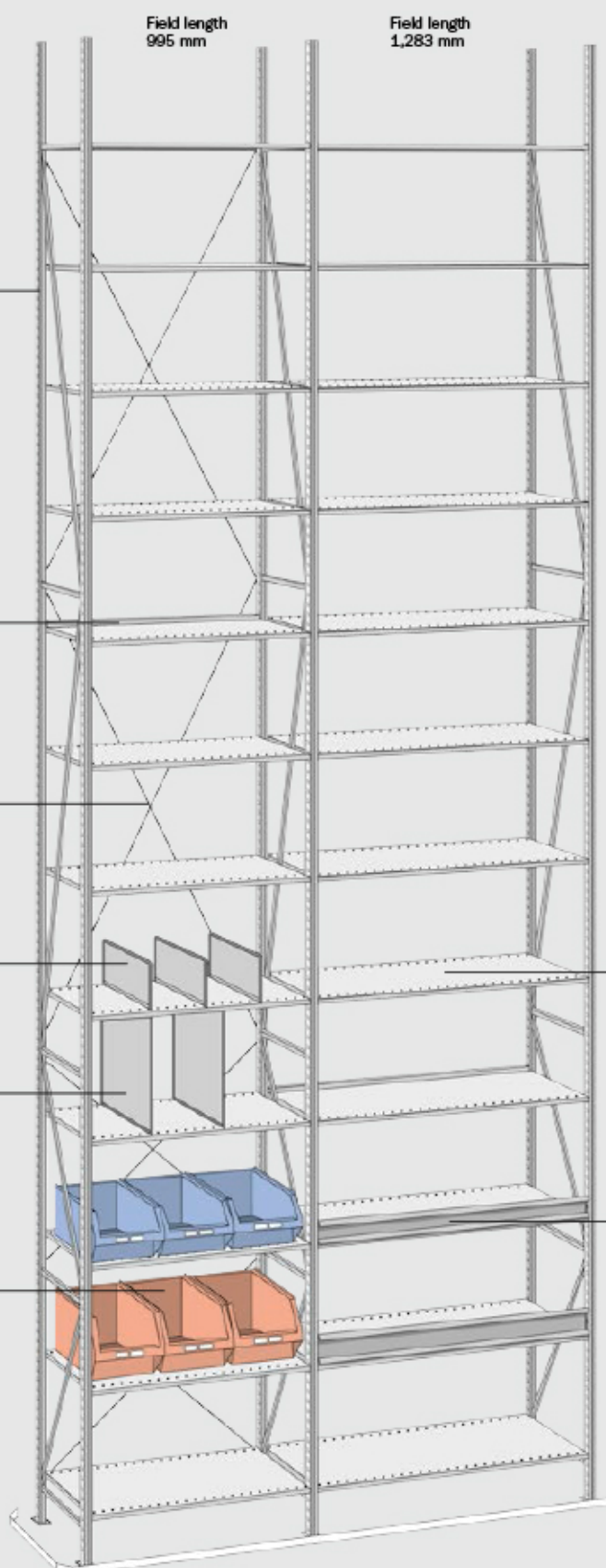
Free-standing dividers
Page **B37**

Full-height dividers
Page **B37**

Semi-open front storage containers
Chapter **A**,
from page **A2**

Shelves
Page **B35**

Bin fronts
Page **B39**



Boxes /
containers

Modular
shelving

Longspan
racking

Pallet
racking

Cantilever
racking

Mezzanines /
platforms

On-line shelving /
KDR shelving

Semi-automated
solutions

Logistics
systems

Appendix

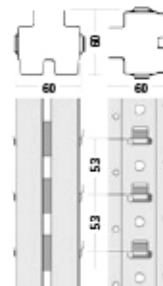


The upright frame system

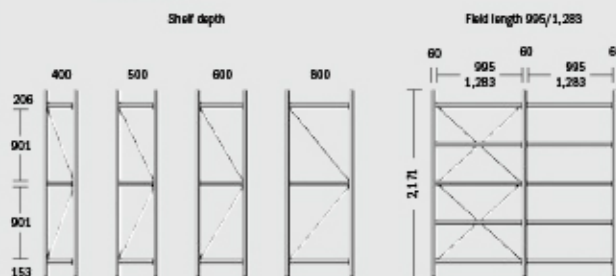
Upright profiles and depth struts pre-assembled at the factory

Pre-assembled upright frames are folded up for space-saving transport

Cam grid: 53 : 53 mm

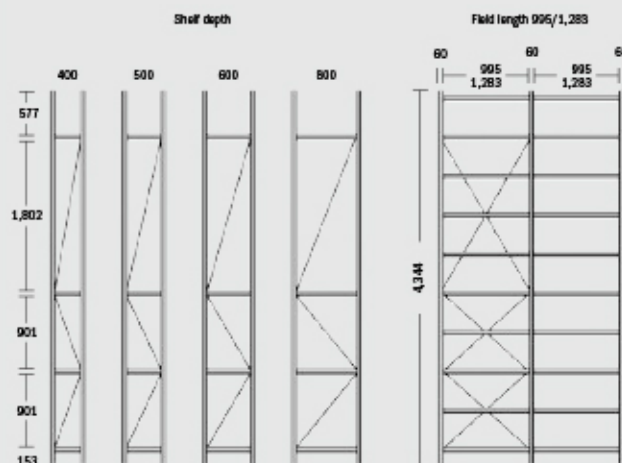


Dimensions in mm



Upright frame, height 2,171 mm, galvanized

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

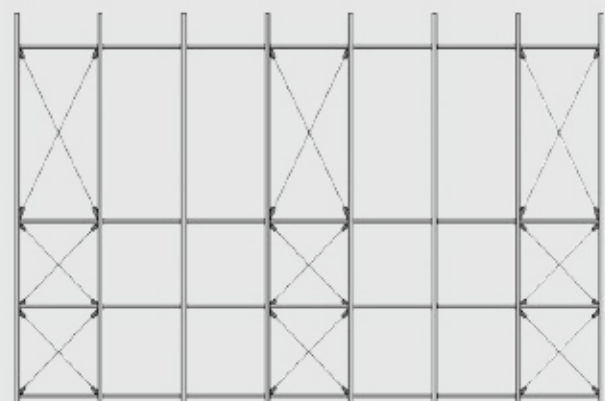


Upright frame, height 4,344 mm, galvanized

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

Further heights

on request



Cross braces

A cross brace must be fitted onto the back of the first and every other third field to stabilize the shelvings. Shelves should be inserted in the vicinity of the node points and secured against accidental removal with anti-lifting devices.

Item	Field height (mm)	Field length (mm)	Order no.
KV 7109	901	995	28700
KV 7118	1,802	995	28710
KV 7131	901	1,283	28740
KV 7132	1,802	1,283	28750

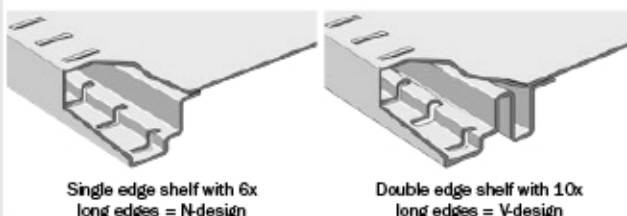
Order no. = on stock

Shelves



► Shelves

sheet steel, alternatively painted bright silver or galvanized, 30 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 shelving



Shelves for field length 995 mm, height 30 mm

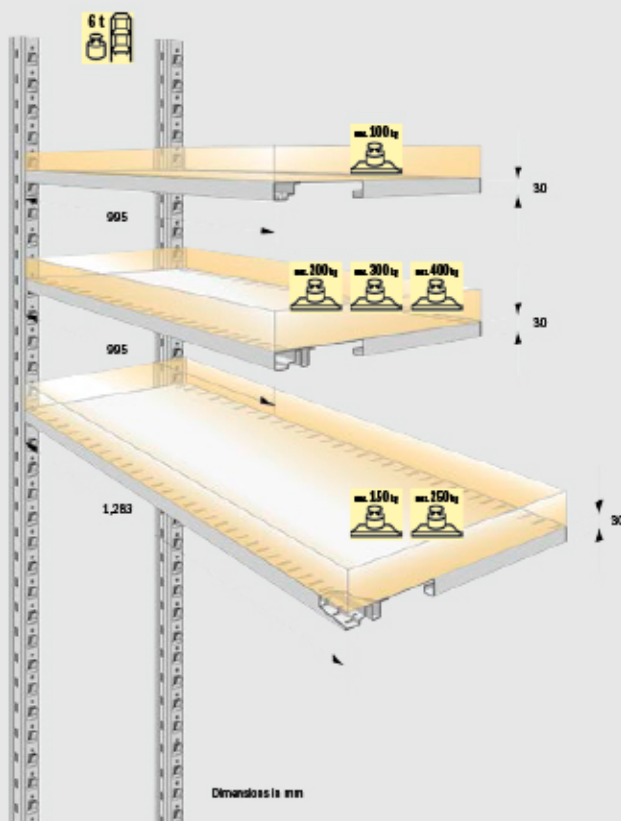
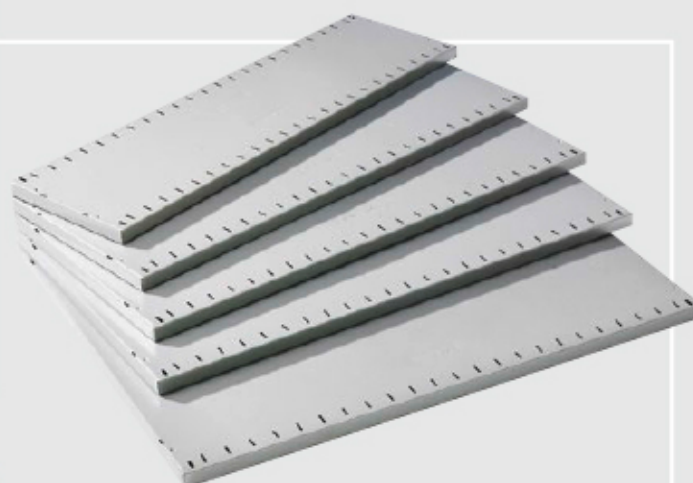
Sheet steel, painted bright silver or galvanized.

Item	Shelf depth (mm)	Base load max. (kg)	Lip design	Surface	Order no.
ZB 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 1,283 mm, height 30 mm

Sheet steel, painted bright silver or galvanized.

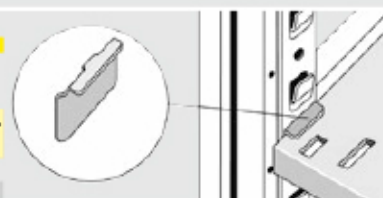
ZB 9415 V	400	150	V	Galvanized	38102
ZB 9415 L		150	V	Painted	38100
ZB 9515 V	500	150	V	Galvanized	38112
ZB 9515 L		150	V	Painted	38110
ZB 9525 V		250	V	Galvanized	38122
ZB 9525 L		250	V	Painted	38120
ZB 9615 V	600	150	V	Galvanized	38132
ZB 9615 L		150	V	Painted	38130
ZB 9625 V		250	V	Galvanized	38142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



Anti-lifting devices

For shelves.
1 set = 4 pieces

Item	Order no.
AS 7000	28730



Boxes / containers

Modular shelving

Longspan racking

Pallet racking

Cantilever racking

Mezzanines / platforms

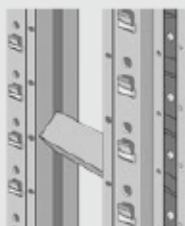
On-line shelving / KDR shelving

Semi-automated solutions

Logistics systems

Appendix

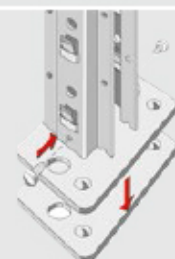
Shelf elements and accessories



Frame connector

Screw, nut and sleeve. Connect the frames from two shelving rows with 6, 30, 50 or 100 mm distance.

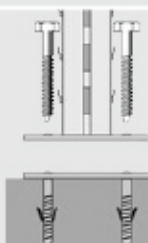
Item	Frame distance (mm)	Order no.
RV 7006	6	29290
RV 7030	30	29220
RV 7050	50	29340
RV 7100	100	29230



Shim plates

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

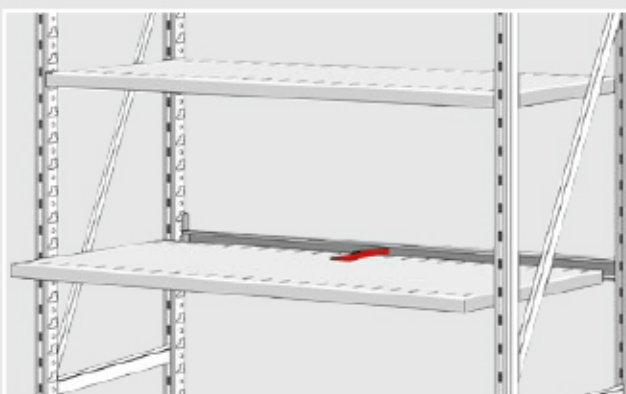
Item	Thickness (mm)	Order no.
UP 7001	1	28980
UP 7002	2	28970
UP 7003	3	28960



Floor fixing

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

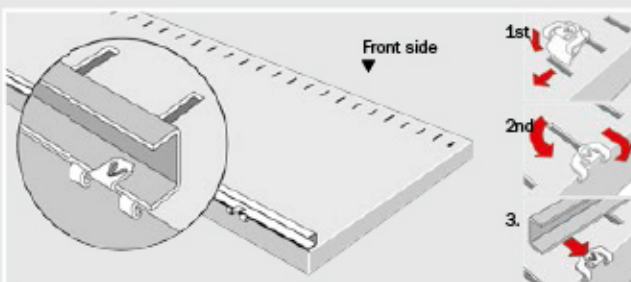
Item	Order no.
BF 7000	29270



Horizontal braces

Sheet steel, 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 shelvings associations or when single-row shelvings need to be accessed from both sides. Always used with 1 shelf and 2 anti-lifting devices. The interlocking connection with the upright guarantees high rigidity.

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



End stop

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

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

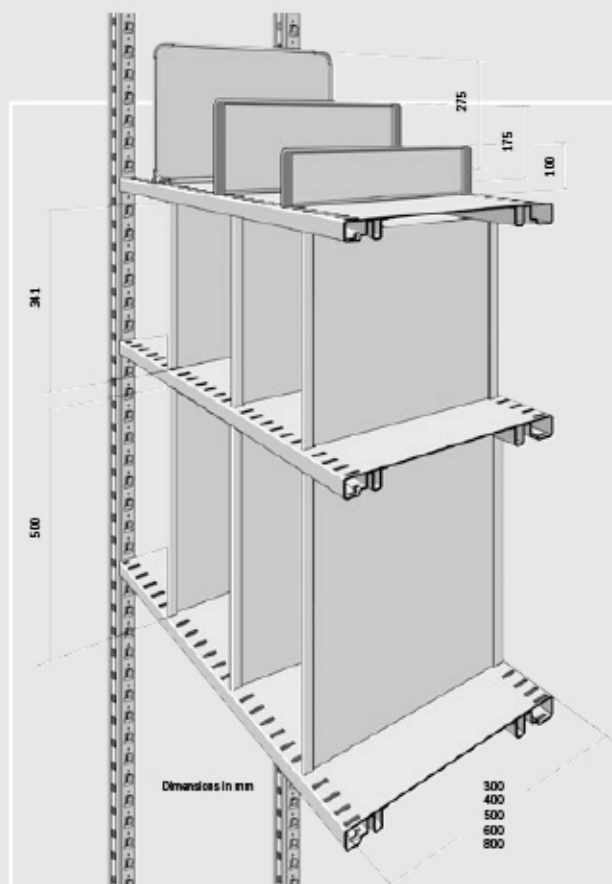


Shelf containers for modular shelvings

from page A10



The installation system

**Full-height dividers for 30 mm high shelves**

Sheet steel, galvanized. For 341 mm and 500 mm compartment heights.

Item	Shelf depth (mm)	Divider height (mm)	Version with	Order no.
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

Free-standing dividers for 30 mm height shelves

Sheet steel, galvanized. Inserted into the slots of the shelves independently of the compartment height and can be used in combination with bin fronts.

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

Partitioning variants using shelves for rack height 2,171 mm

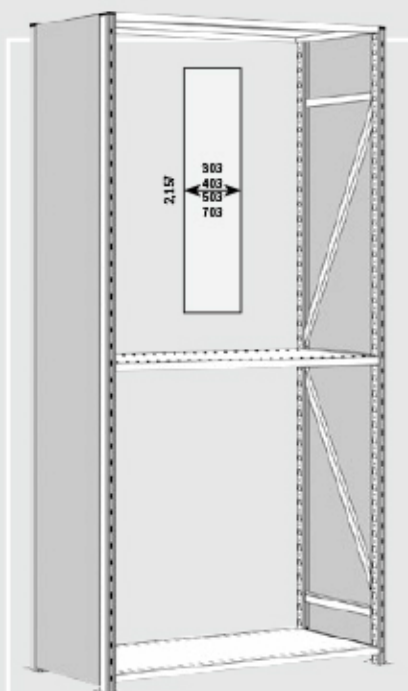
2	1,00E	3	601	4	496	5	389	6	290	7	177	8	290	10	177	13	177
								5	341	6	288	7	235	8	182	12	129
				3	500	4	394	4	341	5	268	5	235	6	182	11	129
		2	712			3	394	3	341	4	268	4	235	5	182	10	129
				2	500	2	394	2	341	3	268	3	235	4	182	9	129
1	1,00C	1	712	1	500	1	394	1	341	2	268	2	235	3	182	8	129
										1	268	1	235	2	182	7	129
														1	182	6	129
															1	5	129

Partitioning variants using shelves for rack height 4,344 mm

4	1,07E	5	548	8	548	10	442	12	177	14	124	15	283	20	230	27	124
								11	243	13	288	15	235	19	182	25	129
		5	712	7	500	9	394	10	243	12	288	14	235	18	182	24	129
						8	394	9	243	11	288	13	235	17	182	23	129
				6	500	7	394	8	243	10	268	12	235	16	182	22	129
						6	394	7	243	9	268	11	235	15	182	21	129
3	1,03C	1	712	5	500	6	394	6	243	8	288	10	235	14	182	20	129
								7	243	9	288	11	235	13	182	19	129
								6	243	8	288	10	235	12	182	18	129
		3	712	4	500	5	394	5	243	7	288	9	235	11	182	17	129
								4	243	6	288	8	235	10	182	16	129
2	1,03C	2	712	3	500	4	394	3	243	5	288	7	235	9	182	15	129
										4	288	6	235	8	182	14	129
										3	288	5	235	7	182	13	129
										2	288	4	235	6	182	12	129
1	1,03C	1	712	2	500	3	394	2	243	3	288	4	235	5	182	11	129
										1	288	2	235	4	182	10	129
												1	235	3	182	9	129
														2	182	8	129
														1	182	7	129

Order no. = on stock

Accessories

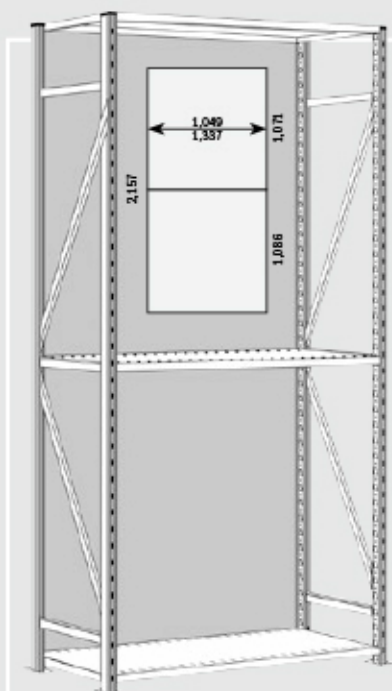


Sheet steel side walls

Sheet steel, galvanized. The shoulder pieces on the shelving stains can be fitted with sheet steel sidewalls. The sidewalls are attached using spreading clamps. In the inner shelving field, the side walls are locked in place by the shelves. Height 2,157 mm.

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

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

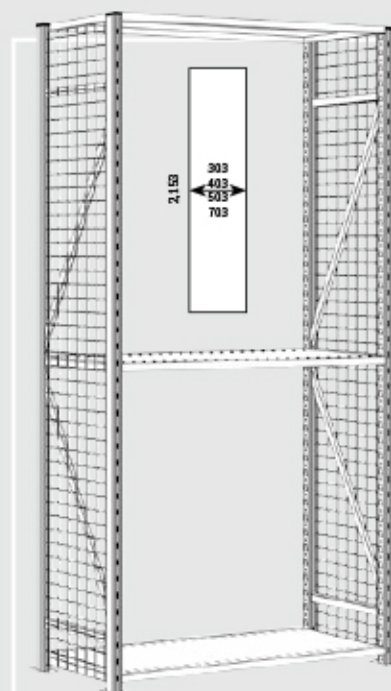


Sheet steel rear walls

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

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

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

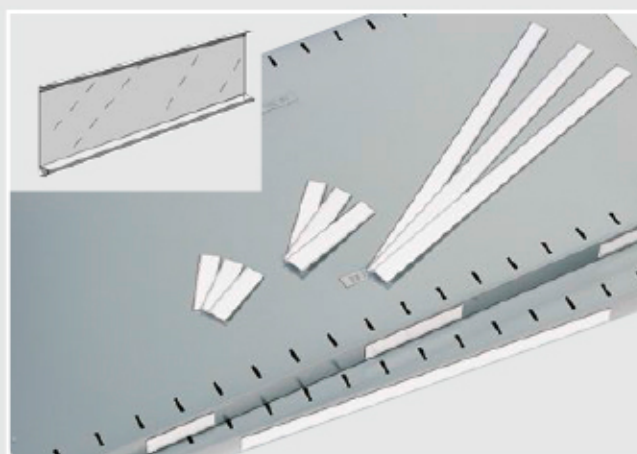


Mesh side walls

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

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

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



Label holder

Self-adhesive, for labeling inventory locations.

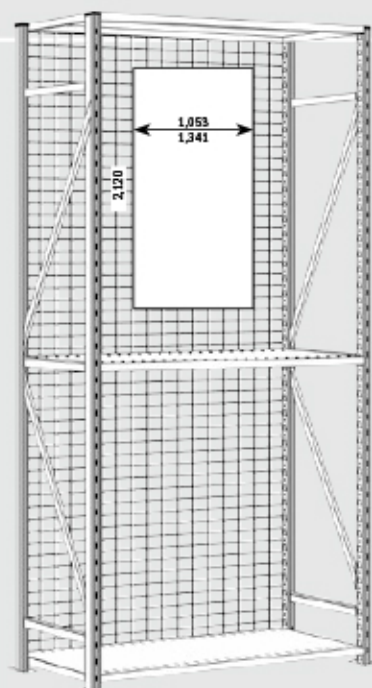
Item	Length (mm)	PJ	Order no.
EH 4085	85	50	27800
EH 4135	135	50	27810
EH 4490	490	50	27820
EH 4980	980	25	26360
EH 9125	1,250	25	26370

Labels

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

Order no. = on stock

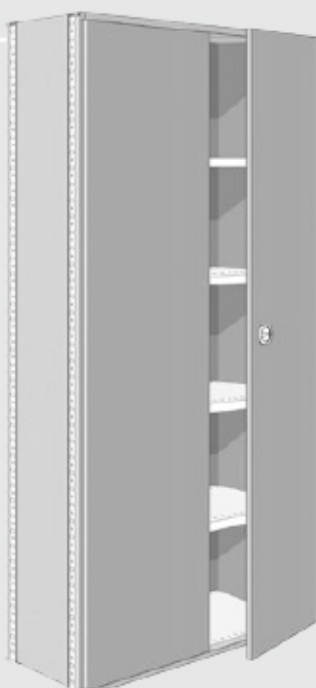
Accessories

**Mesh back panels**

Steel wire, painted bright silver. Mesh size 50 x 50 mm, height 2,120 mm. The mesh is fastened using 8 spring clips.

Two mesh steel rear walls must be ordered for the 4,344 mm height (e.g. 2x RWG 7102).

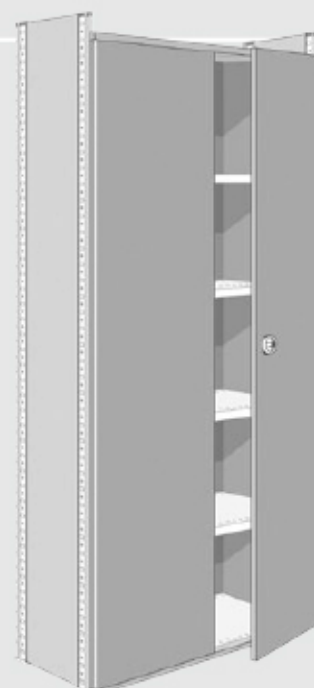
Item	Field length (mm)	Order no.
RWG 7102	995	28810
RWG 7130	1,283	29190

**Two-wing door**

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

The rear and side walls must be ordered separately when retrofitting.

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

**Two-wing door for multi-tier installations**

For subsequent installation in open shelf fields with field length 995 and 1,283 mm. Height 1,845 mm.

In multi-tier installations, shortened wing doors must be installed above and below the platform due to technical reasons. A shelf must be fitted at the corresponding height.

Item	Field length (mm)	Order no.
FTR-B 4001	995	27910
FTR-B 9001	1,283	17700

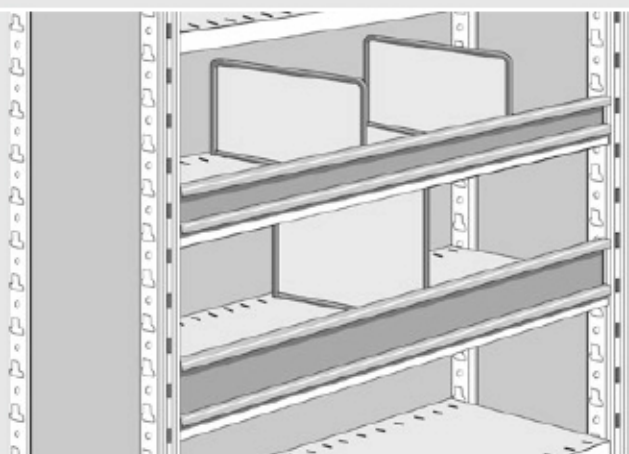
**Drawers**

on request

Bin fronts

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

Item	Field length (mm)	Strip height (mm)	Order no.
VL 7104	995	40	28870
VL 7108		85	28880
VL 7134	1,283	40	29320
VL 7138		85	29330



Boxes / containers

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