





R 7000 – the fully flexible shelving system

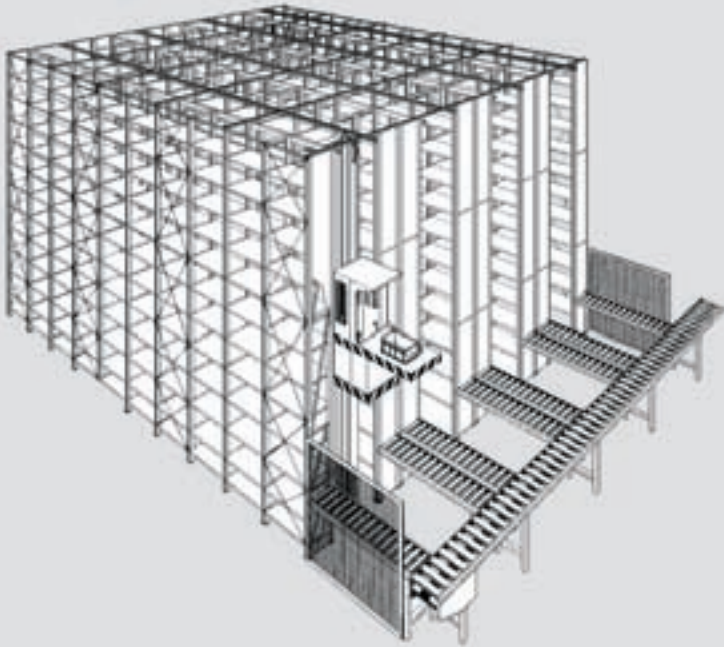
The R 7000 shelving system is an innovative concept, which enables the shelving bays to be configured with complete freedom. It is easy to assemble and will handle a multitude of storage problems with ease thanks to a comprehensive range of accessories.

Variable shelf heights can be achieved with fully adjustable shelves and horizontal beams, and can be flexibly adapted to

the size of the stored material. In bay widths 995 and 1283 mm, they are equipped for bay loads up to 6000 kg. For these reasons, the R 7000 modular shelving is ideal for constructing freestanding high bay storage with mechanised order-picking vehicles or for multi-tier installations with mezzanine floors and high shelf load capacity.



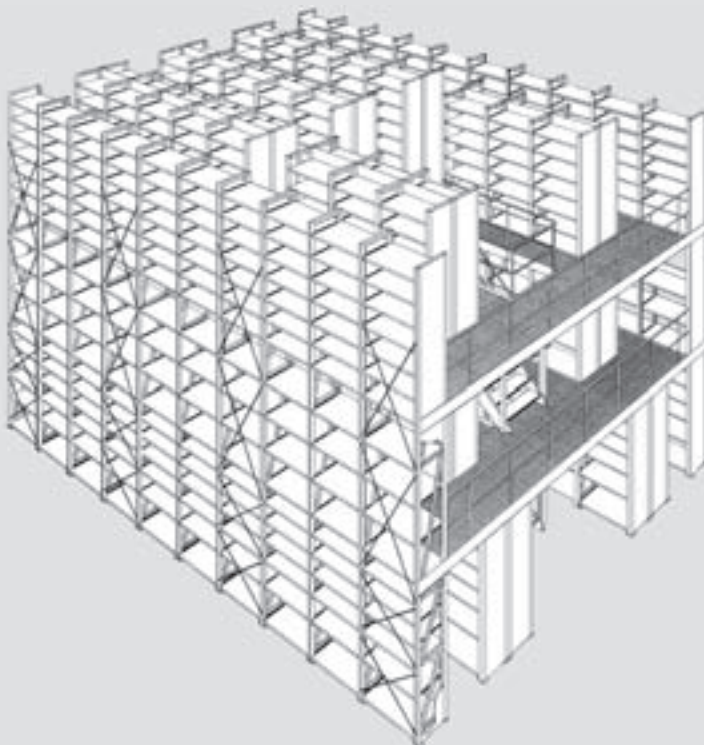
High bay storage and multi-tier installations



High bay R 7000 installation accessed by fixed path order pickers



Up to five tiers are possible



Three tier R 7000 installation with mezzanine floors



- ▶ **Bolt-free system**
for high bay storage at 53 mm pitch
- ▶ **Frame system**
2 bay widths, 4 shelf depths, various heights
- ▶ **Rapid assembly**
using precise pre-fabricated components
- ▶ **High load capacity up to 6000 kg/bay**
- ▶ **Comprehensive range of accessories**
- ▶ **High bay storage and multi-tier installations feasible**

The R 7000 complies with regulations for storage installations and has been awarded with the GS safety symbol.





► **R 7000 on-line shelving**
from page **G8**



R 7000 Modular shelving system

Equipment



Also available:

Mesh back and side panels (no illustr.)

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Solid back and side panels (no illustr.)

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Horizontal beam (no illustr.)

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Upright frames

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End stops

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Cross bracing for stability

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Free-standing dividers

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Full height dividers

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Semi-open front storage containers

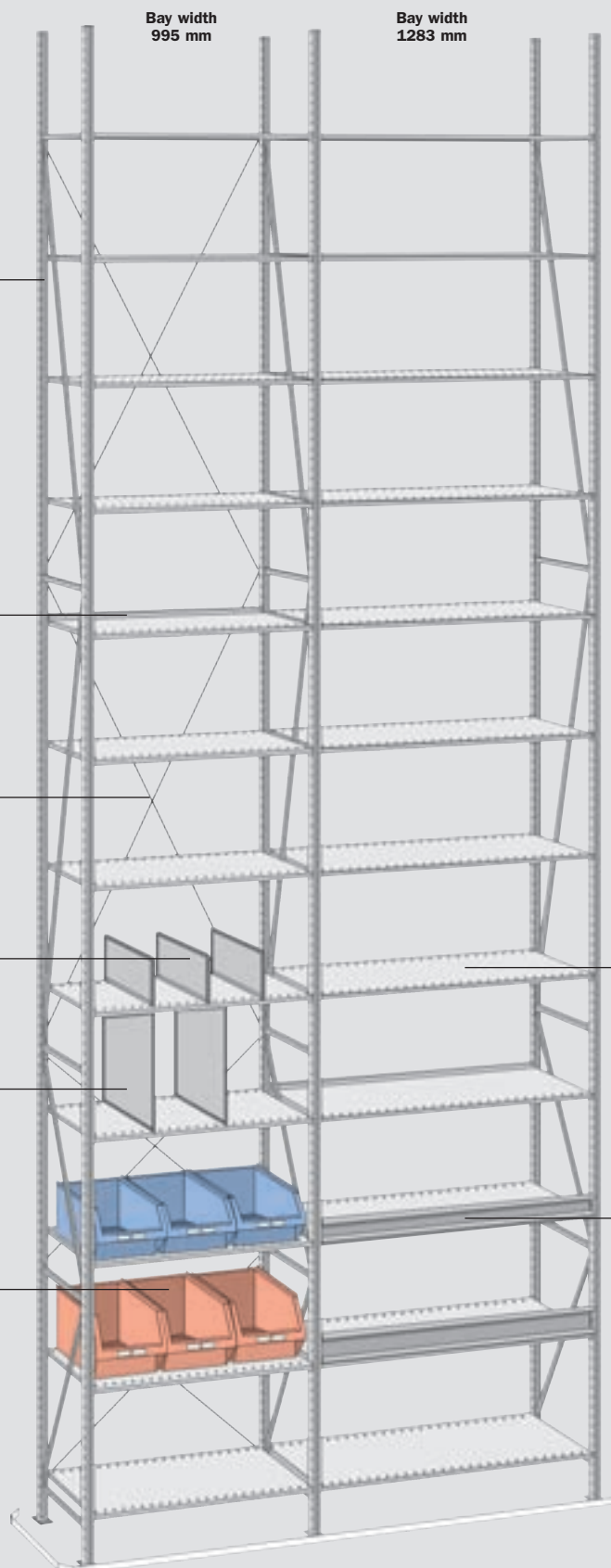
Chapter **A**,
from page **A2**

Shelves

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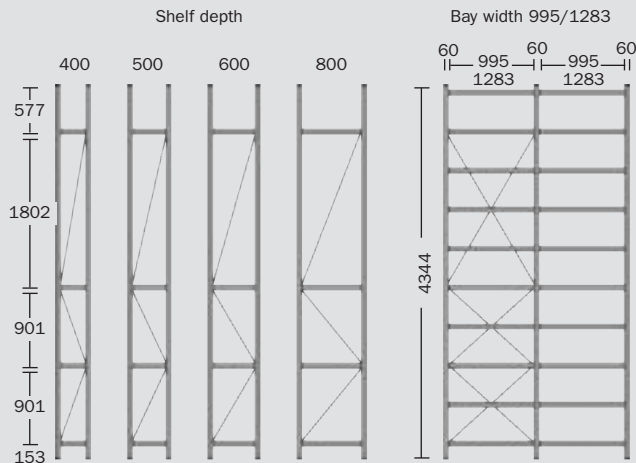
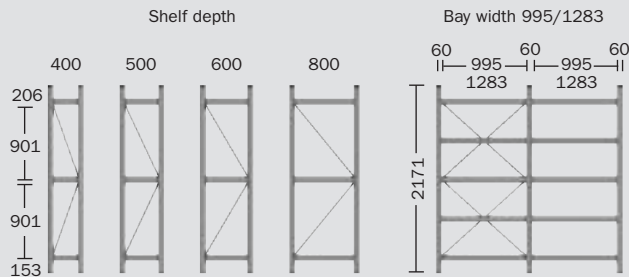
Bin fronts

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The upright frame system

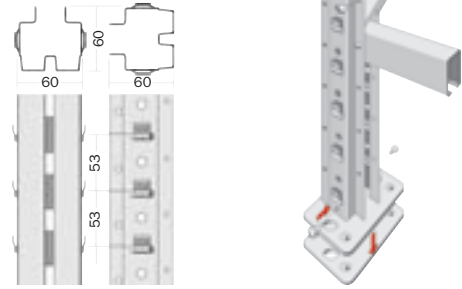
Dimensions in mm



Upright profiles and horizontal struts are preassembled at the factory

to form a frame which is folded together for space-saving transportation

Lug spacing: 53:53 mm



Upright frames, height 2171 mm, galvanised

Item	Height (mm)	Shelf depth (mm)	Bay load max. (kg)	Order no.
RR 7442	2171	400	4000	28290
RR 7542	2171	500	4000	28390
RR 7642	2171	600	4000	28490
RR 7842	2171	800	4000	28590

Upright frames, height 4344 mm, galvanised

Item	Height (mm)	Shelf depth (mm)	Bay load max. (kg)	Order no.
RR 7444	4344	400	4000	28300
RR 7544	4344	500	4000	28400
RR 7644	4344	600	4000	28500
RR 7844	4344	800	4000	28600
RR 7454	4344	400	5000	28310
RR 7554	4344	500	5000	28410
RR 7654	4344	600	5000	28510
RR 7854	4344	800	5000	28610
RR 7464	4344	400	6000	28320
RR 7564	4344	500	6000	28420
RR 7664	4344	600	6000	28520
RR 7864	4344	800	6000	28620

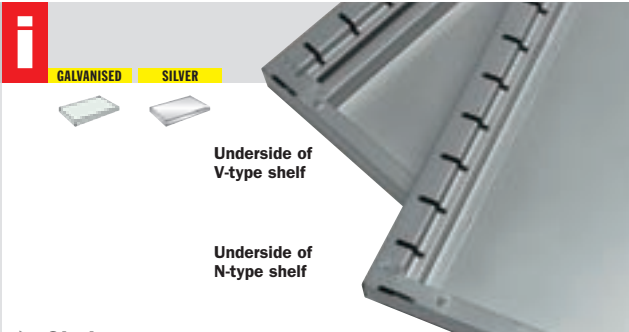
Further heights available

on request

Cross braces

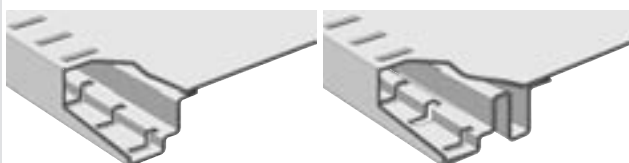
In order to stabilise the shelving, a cross brace must be fitted to the back of the first and every third bay thereafter. Shelves, held in place with safety clips, must also be fitted where the braces locate with the uprights.

Item	Bay height (mm)	Bay length (mm)	Order no.
KV 7109	901	995	28700
KV 7118	1802	995	28710
KV 7131	901	1283	28740
KV 7132	1802	1283	28750



Shelves

sheet steel, either painted silver or galvanized, 30 mm thick. To divide the shelving bays into varying heights. Equipped with rows of slots to accommodate dividers, slot spacing 41 mm. With double units shelves on each side can be located at different heights



Single-edge shelf with 6-compartment longitudinal section = N-type

Double-edge shelf with 10-compartment longitudinal section = V-type

Base shelves for bay width 995 mm, thickness 30 mm

Sheet steel, painted silver or galvanized.

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

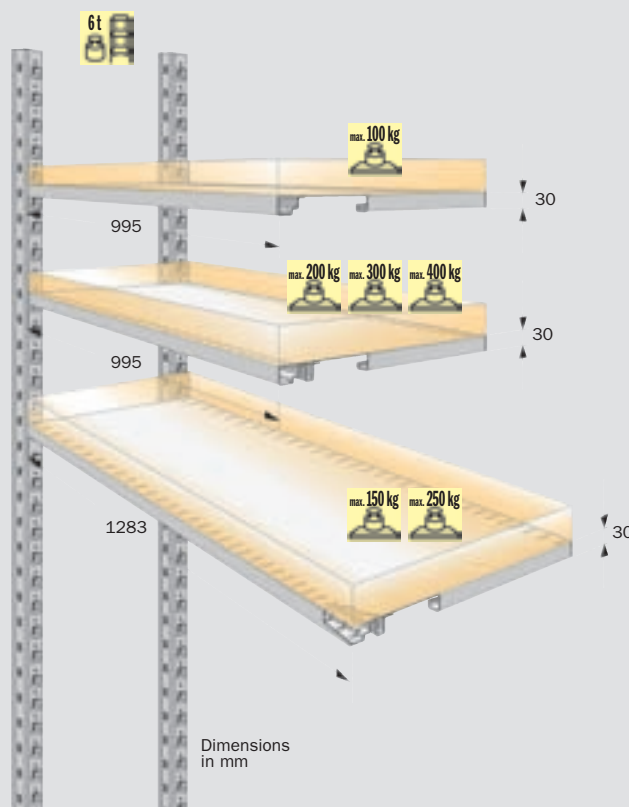
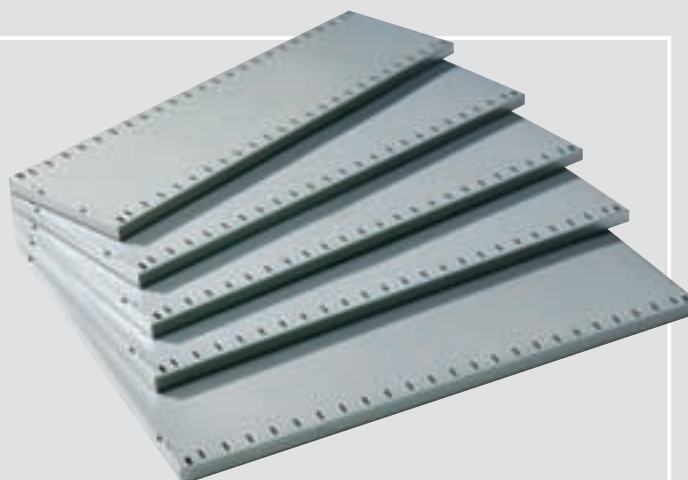
Base shelves for bay width 1283 mm, thickness 30 mm

Sheet steel, painted silver or galvanized.

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

R 7000 Modular shelving system

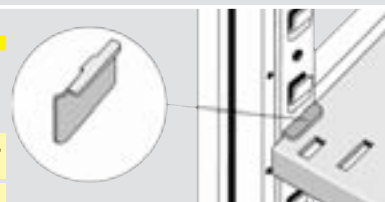
Shelves



Anti-lifting devices

For shelves.
1 set = 4 pieces

Item	Order no.
AS 7000	28730



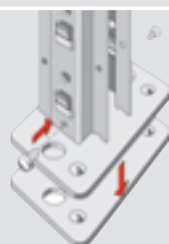
Shelving components and accessories



Frame connectors

Consists of a bolt with a sleeve. Connects the frames of two shelving rows at a distance of 6, 30, 50 or 100 mm.

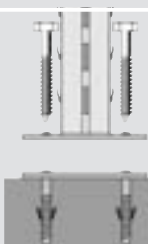
Item	Frame distance (mm)	Order no.
RV 7006	6	29290
RV 7030	30	29220
RV 7050	50	29340
RV 7100	100	29230



Shim plates

Galvanised sheet steel. To correct any slight unevenness in floor levels.

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



Floor anchoring

To fix the uprights to the floor. Consists of bolt, dowel, washer.

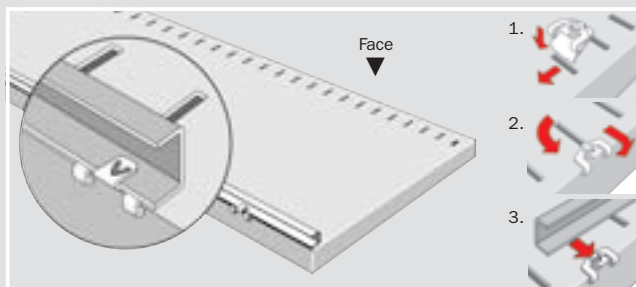
Item	Order no.
BF 7000	29270



Horizontal braces

Sheet steel, painted silver. Used for longitudinal reinforcement as an alternative to cross bracing, for double units where cross bracing would interfere with storage, or for single units when access from both sides is required. Always used in combination with one shelf and two safety clips. The positive connection with the uprights guarantees high rigidity.

Item	Bay length (mm)	Order no.
LV 7103	995	28720
LV 7130	1283	29080



End stops

Galvanised sheet steel. Prevent items such as shelf containers from being pushed off the back of the shelf. Includes 3 clips.

Item	Bay length (mm)	Order no.
DSL 4102	995	27990
DSL 9131	1283	38190

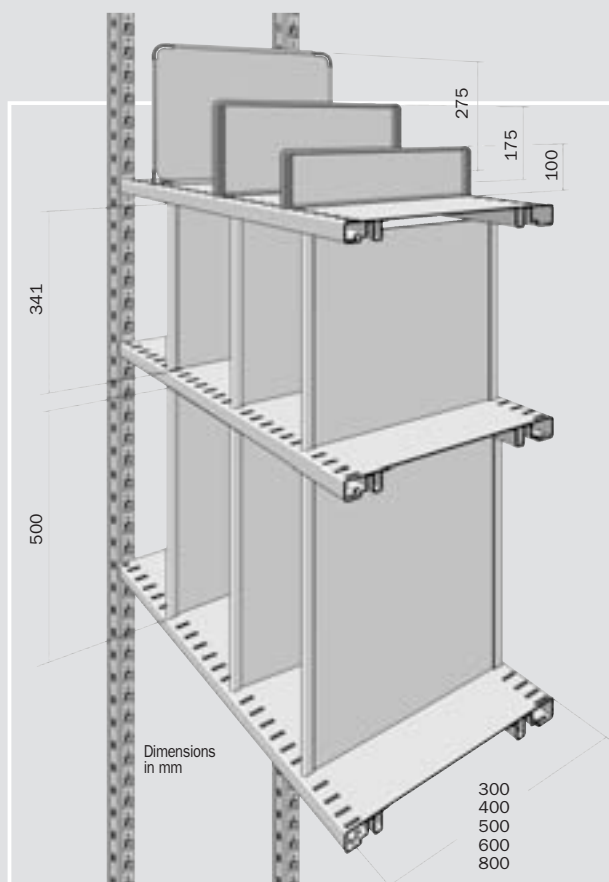


Shelf containers for modular shelving

from page A20



System components



Full-height dividers for 30 mm shelves

Galvanised sheet steel. For opening heights of 341 mm and 500 mm.

Item	For shelf depth (mm)	Divider height (mm)	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

Freestanding dividers for 30 mm shelves

Galvanised sheet steel. The dividers are inserted into the slots in the shelves and may be used in conjunction with bin fronts, independently of the shelf opening height.

Item	For shelf depth (mm)	Divider height (mm)	Finish with	Order no.
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

Division options using dividing shelves for bay height 2171 mm

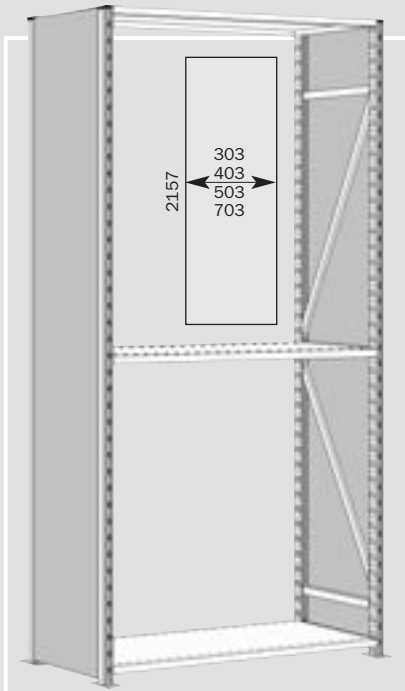
2	1 025	3	601	4	495	5	389	6	230	7	177	8	230	10	177	13	177
								5	341	6	288	7	235	9	182	12	129
				3	500	4	394	4	341	5	288	6	235	8	182	11	129
		2	712	2	500	3	394	3	341	4	288	5	235	7	182	10	129
				2	500	2	394	2	341	3	288	4	235	6	182	9	129
1	1 030	1	712	1	500	1	394	1	341	2	288	3	235	5	182	8	129
								2	341	2	288	2	235	4	182	7	129
								1	341	1	288	1	235	3	182	6	129
														2	182	5	129
														1	182	4	129

Division options using dividing shelves for bay height 4344 mm

4	1 078	6	548	8	548	10	442	12	177	14	124	16	283	20	230	27	124
								11	243	13	288	15	235	19	182	26	129
		5	712	7	500	9	394	10	243	12	288	14	235	18	182	25	129
				6	500	8	394	9	243	11	288	13	235	17	182	24	129
		4	712	5	500	7	394	8	243	10	288	12	235	16	182	23	129
3	1 030	3	712	4	500	6	394	7	243	9	288	11	235	15	182	22	129
				3	500	5	394	6	243	8	288	10	235	14	182	21	129
		2	712	3	500	4	394	5	243	7	288	9	235	13	182	20	129
				2	500	3	394	4	243	6	288	8	235	12	182	19	129
2	1 030	1	712	1	500	2	394	3	243	5	288	7	235	11	182	18	129
								2	243	4	288	6	235	10	182	17	129
								1	243	3	288	5	235	9	182	16	129
										2	288	4	235	8	182	15	129
										1	288	3	235	7	182	14	129
												2	235	6	182	13	129
												1	235	5	182	12	129
														4	182	11	129
														3	182	10	129
														2	182	9	129
														1	182	8	129



Accessories

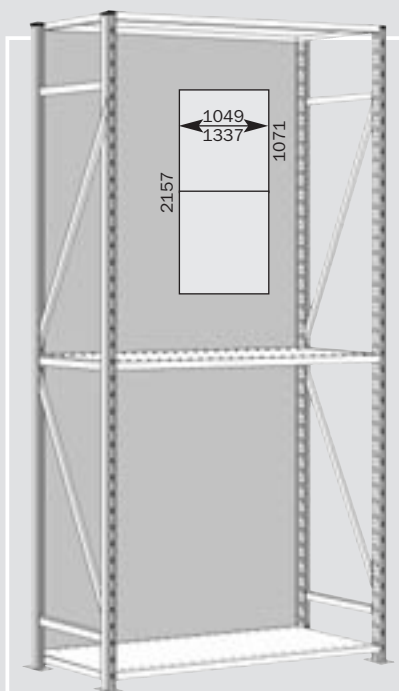


Solid steel side panels

Galvanised sheet steel. Solid side panels help prevent twisting of the uprights. Fixed using spreader clips. Side panels fitted within the shelving bays are held in position by the intermediate shelves.

Height 2157 mm.
For a frame heights of 4344 mm, 2 solid side panels must be ordered (e.g. 2 x SW 7402).

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

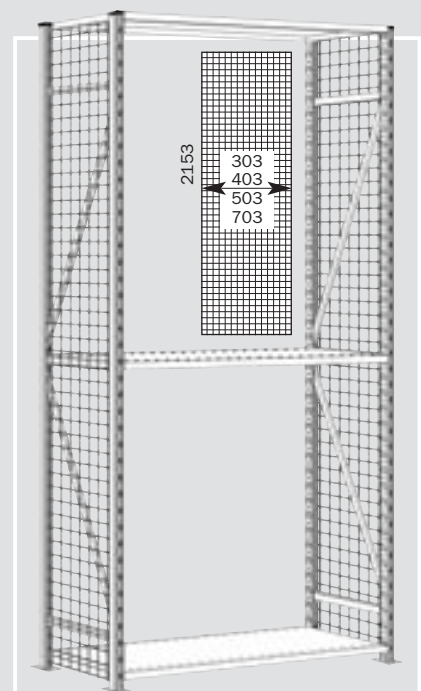


Solid steel back panels

Galvanised sheet steel. Inserted in the groove in the uprights and secured. Height of back panel sections: 1086 mm.

For a frame heights of 2171 mm, 2 solid back panels must be ordered (e.g. 2 x RW 7101); for a frame heights of 4344 mm, 4 back panels (e.g. 4 x RW 7101) must be ordered.

Item	Bay length (mm)	Order no.
RW 7101	995	28760
RW 7131	1283	28910

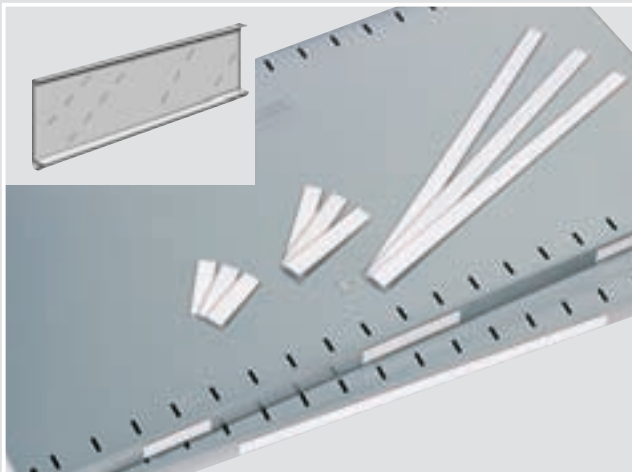


Mesh side panels

Steel wire, painted silver. Mesh width 50 x 50 mm, height 2153 mm. Fixed using 6 clips.

For a frame heights of 4344 mm, 2 mesh side panels must be ordered (e.g. 2 x 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

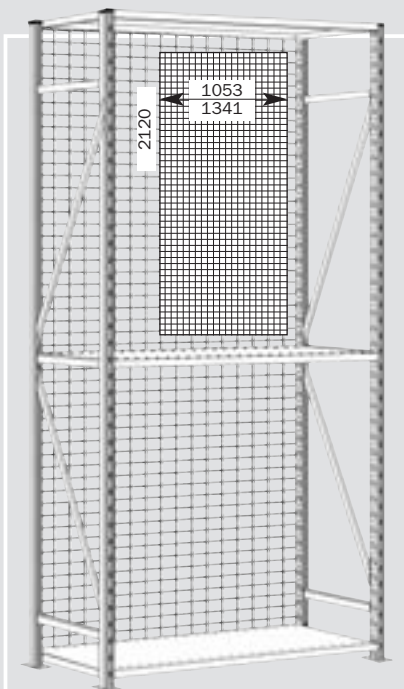
Self-adhesive, to identify storage areas.

Item	Length (mm)	Unit	Order no.
EH 4085	85	50	27800
EH 4135	135	50	27810
EH 4490	490	50	27820
EH 4980	980	25	26360
EH 9125	1250	25	26370

Labels

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

Accessories

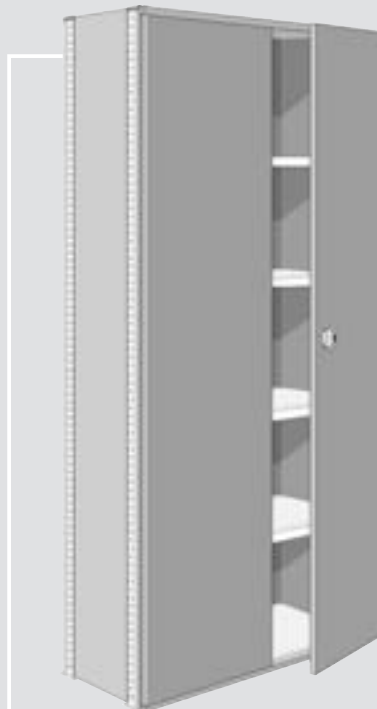


Mesh back panels

Steel wire, painted silver.
Mesh width 50 x 50 mm, height 2120 mm.
Fixed using 8 clips.

**For a frame height of 4344 mm,
2 mesh back panels must be ordered
(e.g. 2 x RWG 7102).**

Item	Bay length (mm)	Order no.
RWG 7102	995	28810
RWG 7130	1283	29190

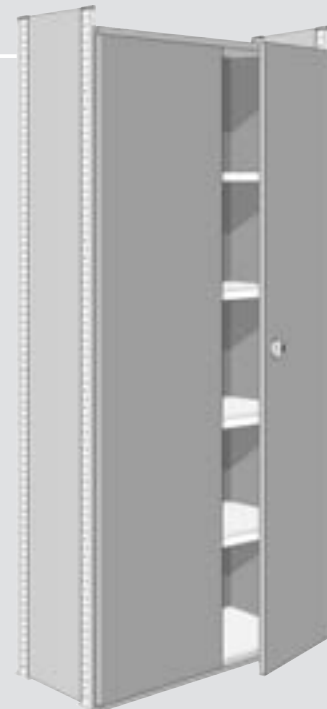


Two wing door sets

For retrofitting into open shelf bays
with bay lengths 995 and 1283 mm.
Height 2111 mm.

**For additional installation, side and back
panels must be ordered separately.**

Item	Bay length (mm)	Order no.
FTR 4001	995	27900
FTR 9001	1283	17690



Two wing door sets for multi-tier installations

For retrofitting into open shelf bays
with bay lengths 995 and 1283 mm.
Height 1845 mm.

For technical reasons, doors used above
and below the mezzanine floor in multi-tier
installations must be shorter. In addition
a shelf of corresponding thickness must
be used.

Item	Bay length (mm)	Order no.
FTR-B 4001	995	27910
FTR-B 9001	1283	17700



Drawers available

on request

Bin fronts

Galvanised sheet steel, for storing small, loose items. Particularly
designed for use with dividers, back and side panels.

Item	Bay length (mm)	Rail height (mm)	Order no.
VL 7104	995	40	28870
VL 7108	995	85	28880
VL 7134	1283	40	29320
VL 7138	1283	85	29330

