

*Extract of the
general catalogue,*

CHAPTER B

**INDIVIDUAL SOLUTIONS
FROM A SINGLE SOURCE**

*Systems diversity for warehouses,
factories and workshops*



GENERAL CATALOGUE

Modular shelving systems for every application

Optimizing time and space is the key to efficient store management. SSI SCHAEFER provides complete, flexible single- or multi-tier modular shelving systems of the highest quality for diverse applications.

Quick and easy assembly, comprehensive technical advice and free project drawings form the basis of a price/performance ratio, which

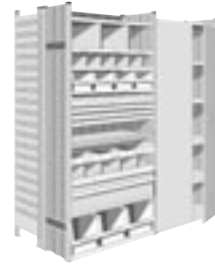
speaks for itself. The evidence: thousands of stores throughout the world.

The flexible modular shelving systems R 1000, R 3000, R 4000, R 7000 and FR 0 tackle storage tasks quickly and economically. They can be expanded to single platform and multiple platform system, even after installation.

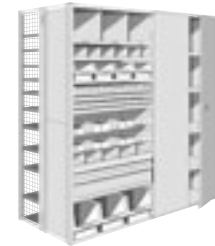




R 1000 Archive shelving system Page **B4**



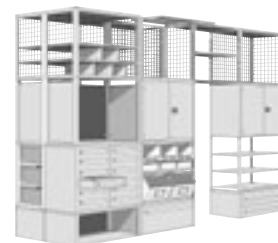
R 3000 Modular shelving system Page **B10**



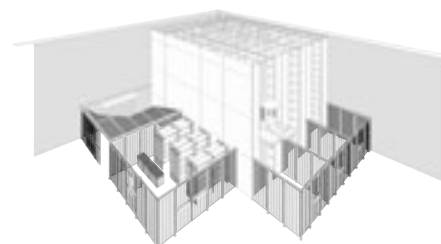
R 4000 Modular shelving system Page **B34**



R 7000 Modular shelving system Page **B48**



FR 0 Modular shelving system Page **B58**



Comprehensive accessories Page **B66**



High volume storage density

	R 1000 Archive shelving	R 3000 Modular shelving
Applications	Light to medium-weight, small and medium-sized goods, e.g. box files, suspension files, boxes and clothes	Light to heavy, small and medium-sized goods, bulky components, shelf-supported mezzanines
Advantages	<ul style="list-style-type: none"> ▶ A comprehensive range of accessories guarantees a versatile storage facility ▶ Euro size modules ▶ Especially narrow adjustable intervals allow exact fitting to opening heights ▶ Solid side panels between each bay 	<ul style="list-style-type: none"> ▶ A comprehensive range of accessories allows for optimum organization ▶ Euro size modules ▶ Multi-tier installations and shelf-supported mezzanines can also be added at a later date ▶ GS safety symbol
System	▶ Bolt-free system for rapid assembly	▶ Frame system of bolt-free construction for rapid assembly
Design	▶ Slotted, solid side panels, shelves with brackets can be located anywhere within the bay, 3 bay lengths, 5 shelving depths, 3 heights	▶ Frame system without base and top shelves, 2 bay widths, 5 shelving depths, different heights, frame profiles
Load capacity	▶ To max. 750 kg per shelving bay	▶ To max. 5000 kg per shelving bay
System pitch	▶ Slots spaced 20 mm apart	▶ Lug pitch of 53 mm
Uprights finish	▶ Galvanised/light grey	▶ Galvanised
Shelf finish	▶ Galvanised/light grey	▶ Galvanised/silver



B4



B10

from pages

R 4000 Modular shelving

Light to medium-weight, small and medium-sized goods, shelf-supported mezzanines

- ▶ A comprehensive range of accessories guarantees a versatile storage facility
- ▶ Euro size modules
- ▶ Multi-tier installations and shelf-supported mezzanines possible
- ▶ GS safety symbol

- ▶ Bolt-free system for rapid assembly

- ▶ Starter and extension bay system with fixed base and top shelves, connected with upright profiles, 2 bay widths, 6 shelving depths, variable heights, upright profiles

- ▶ To max. 2500 kg per shelving bay

- ▶ Lug pitch of 53 mm

- ▶ Silver

- ▶ Galvanised/silver

R 7000 Modular shelving

Light to heavy, small and medium-sized goods, shelf-supported mezzanines, high bay storage

- ▶ A comprehensive range of accessories makes a versatile storage facility
- ▶ Euro size modules
- ▶ Multi-tier installations and shelf-supported mezzanines possible
- ▶ GS safety symbol

- ▶ Pre-fabricated frame system for rapid assembly

- ▶ Frame system, 2 bay widths, 4 shelving depths, variable heights, frame profiles

- ▶ To max. 6000 kg per shelving bay

- ▶ Lug pitch of 53 mm

- ▶ Galvanised

- ▶ Galvanised/silver

FR 0 Modular shelving

Light to heavy, small and medium-sized goods, shelf-supported mezzanines

- ▶ A comprehensive range of accessories makes it highly versatile
- ▶ Euro size modules
- ▶ Multi-tier installations and shelf-supported mezzanines possible

- ▶ Modular system for quick and easy assembly

- ▶ Stacking modular shelving system, 1 bay width, 3 shelving depths, variable heights

- ▶ To max. 3500 kg per shelving bay

- ▶ Lug pitch irregular

- ▶ Silver

- ▶ Silver



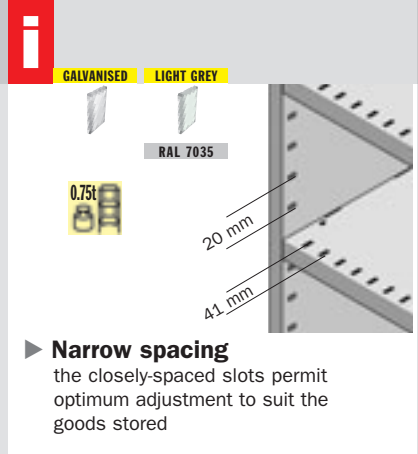
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► **Narrow spacing**
the closely-spaced slots permit optimum adjustment to suit the goods stored

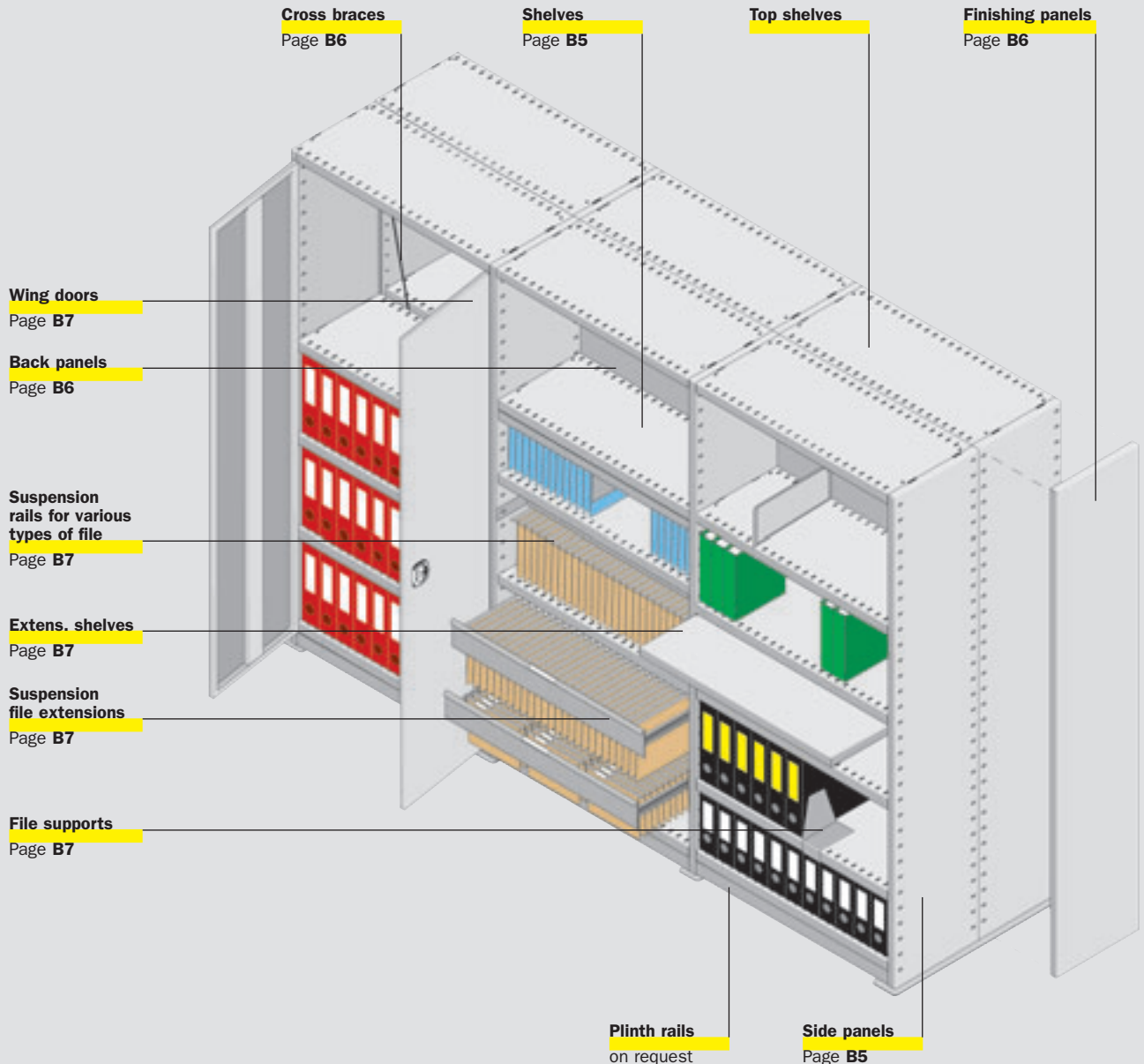
R 1000 Archive shelving

The advantages of archive shelving from SSI SCHAEFER are persuasive:

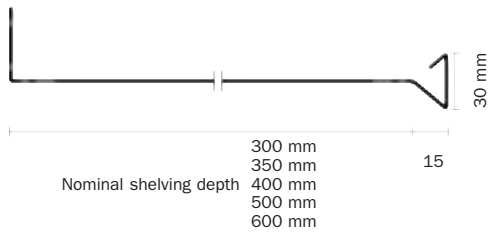
- Closed solid side panels prevent archive material from falling out, whilst at the same time allowing it to be viewed.
- The narrow lug pitch of 20 mm enables the precise adjustment of the clear opening height to suit the most diverse archive material.

- Three bay widths, three shelving heights, five shelving depths and the option of turning single-face shelving into double-faced shelving, or vice versa, at any time, clearly demonstrate the inherent flexibility of this system.
- The versatility of this shelving system means that it can be used in universal applications.
- The shelves are slotted at intervals of 41 mm to enable the shelf dividers to be positioned.

- The system is quick and easy to assemble. The shelves are easily inserted in the side panel slots using shelf supports. A cross brace provides reinforcement. This can be fitted either on the outside (single-face shelving) or in the middle (double-faced shelving).



► Solid side panel



R 1000 Archive shelving



Solid steel side panels

Sheet steel, powder-coated RAL 7035 light grey or galvanised, incl. foot profile.

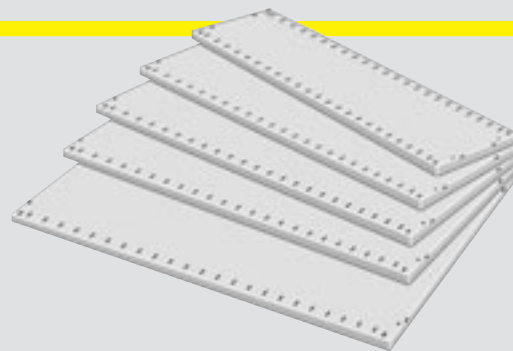
Item	Shelf height (mm)	File levels	Shelf depth (mm)	Bay load (kg)	Finish	Order no.
SW 118430 L	1840	5	300	750	Light grey	191000
SW 118430 V	1840	5	300	750	Galvanised	191090
SW 118435 L	1840	5	350	750	Light grey	191010
SW 118435 V	1840	5	350	750	Galvanised	191100
SW 118440 L	1840	5	400	750	Light grey	191020
SW 118440 V	1840	5	400	750	Galvanised	191110
SW 118450 L	1840	5	500	750	Light grey	192140
SW 118450 V	1840	5	500	750	Galvanised	192200
SW 118460 L	1840	5	600	750	Light grey	192150
SW 118460 V	1840	5	600	750	Galvanised	192210
SW 122030 L	2200	6	300	750	Light grey	191030
SW 122030 V	2200	6	300	750	Galvanised	191120
SW 122035 L	2200	6	350	750	Light grey	191040
SW 122035 V	2200	6	350	750	Galvanised	191130
SW 122040 L	2200	6	400	750	Light grey	191050
SW 122040 V	2200	6	400	750	Galvanised	191140
SW 122050 L	2200	6	500	750	Light grey	192160
SW 122050 V	2200	6	500	750	Galvanised	192220
SW 122060 L	2200	6	600	750	Light grey	192170
SW 122060 V	2200	6	600	750	Galvanised	192230

Item	Shelf height (mm)	File levels	Shelf depth (mm)	Bay load (kg)	Finish	Order no.
SW 125630 L	2560	7	300	750	Light grey	191060
SW 125630 V	2560	7	300	750	Galvanised	191150
SW 125635 L	2560	7	350	750	Light grey	191070
SW 125635 V	2560	7	350	750	Galvanised	191160
SW 125640 L	2560	7	400	750	Light grey	191080
SW 125640 V	2560	7	400	750	Galvanised	191170
SW 125650 L	2560	7	500	750	Light grey	192180
SW 125650 V	2560	7	500	750	Galvanised	192240
SW 125660 L	2560	7	600	750	Light grey	192190
SW 125660 V	2560	7	600	750	Galvanised	192250

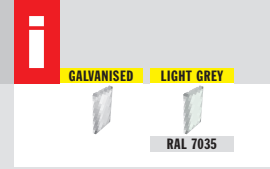
Shelves

Sheet steel, powder-coated RAL 7035 light grey or galvanised.

Item	Shelf depth (mm)	Clear bay width (mm)	Shelf load (kg)	Finish	Order no.
ZB 1300756 L	300	750	60	Light grey	192260
ZB 1300756 V	300	750	60	Galvanised	192300
ZB 1350756 L	350	750	60	Light grey	on req.
ZB 1350756 V	350	750	60	Galvanised	on req.
ZB 1400756 L	400	750	60	Light grey	192270
ZB 1400756 V	400	750	60	Galvanised	192310
ZB 1500756 L	500	750	60	Light grey	192280
ZB 1500756 V	500	750	60	Galvanised	192320
ZB 1600756 L	600	750	60	Light grey	192290
ZB 1600756 V	600	750	60	Galvanised	192330
ZB 1301006 L	300	995	60	Light grey	191180
ZB 4313 V	300	995	100	Galvanised	27002
ZB 1351006 L	350	995	60	Light grey	191190
ZB 1351006 V	350	995	60	Galvanised	191240
ZB 1401006 L	400	995	60	Light grey	191200
ZB 4413 V	400	995	100	Galvanised	27012
ZB 1501006 L	500	995	60	Light grey	192340
ZB 4513 V	500	995	100	Galvanised	27032
ZB 1601006 L	600	995	60	Light grey	192350
ZB 4613 V	600	995	100	Galvanised	27072



Item	Shelf depth (mm)	Clear bay width (mm)	Shelf load (kg)	Finish	Order no.
ZB 1301308 L	300	1283	80	Light grey	191210
ZB 1301308 V	300	1283	80	Galvanised	191250
ZB 1351308 L	350	1283	80	Light grey	191220
ZB 1351308 V	350	1283	80	Galvanised	191260
ZB 1401308 L	400	1283	80	Light grey	191230
ZB 9415 V	400	1283	150	Galvanised	38102
ZB 1501308 L	500	1283	80	Light grey	192360
ZB 9515 V	500	1283	150	Galvanised	38112
ZB 1601308 L	600	1283	80	Light grey	192370
ZB 9615 V	600	1283	150	Galvanised	38132



Accessories



Finishing panels

Sheet steel, powder-coated RAL 7035 light grey or galvanised.

Item	Shelf height (mm)	Clear bay width (mm)	Finish	Order no.
ASW 118430 L	1840	300	Light grey	191370
ASW 118430 V	1840	300	Galvanised	191460
ASW 118435 L	1840	350	Light grey	191380
ASW 118435 V	1840	350	Galvanised	191470
ASW 118440 L	1840	400	Light grey	191390
ASW 118440 V	1840	400	Galvanised	191480
ASW 118450 L	1840	500	Light grey	192620
ASW 118450 V	1840	500	Galvanised	192680
ASW 118460 L	1840	600	Light grey	192630
ASW 118460 V	1840	600	Galvanised	192690
ASW 122030 L	2200	300	Light grey	191400
ASW 122030 V	2200	300	Galvanised	191490
ASW 122035 L	2200	350	Light grey	191410
ASW 122035 V	2200	350	Galvanised	191500
ASW 122040 L	2200	400	Light grey	191420
ASW 122040 V	2200	400	Galvanised	191510
ASW 122050 L	2200	500	Light grey	192640
ASW 122050 V	2200	500	Galvanised	192700
ASW 122060 L	2200	600	Light grey	192650
ASW 122060 V	2200	600	Galvanised	192710
ASW 125630 L*	2560	300	Light grey	191430
ASW 125630 V*	2560	300	Galvanised	191520
ASW 125635 L*	2560	350	Light grey	191440
ASW 125635 V*	2560	350	Galvanised	191530
ASW 125640 L*	2560	400	Light grey	191450
ASW 125640 V*	2560	400	Galvanised	191540
ASW 125650 L*	2560	500	Light grey	192660
ASW 125650 V*	2560	500	Galvanised	192720
ASW 125660 L*	2560	600	Light grey	192670
ASW 125660 V*	2560	600	Galvanised	192730

* two-part

Cross braces

Item	Clear bay width (mm)	Height (mm)	Finish	Order no.
KV 10750	750	All	Galvanised	192490
KV 10995	995	All	Galvanised	191280
KV 11283	1283	All	Galvanised	191290



Solid back panels, in three sections

Sheet steel, powder-coated RAL 7035 light grey or galvanised.

Item	Shelf height (mm)	Clear bay width (mm)	Finish	Order no.
RW 11840750 L	1840	750	Light grey	192420
RW 11840750 V	1840	750	Galvanised	192450
RW 11840995 L	1840	995	Light grey	191550
RW 11840995 V	1840	995	Galvanised	191610
RW 11841283 L	1840	1283	Light grey	191560
RW 11841283 V	1840	1283	Galvanised	191620
RW 12200750 L	2200	750	Light grey	192430
RW 12200750 V	2200	750	Galvanised	192460
RW 12200995 L	2200	995	Light grey	191570
RW 12200995 V	2200	995	Galvanised	191630
RW 12201283 L	2200	1283	Light grey	191580
RW 12201283 V	2200	1283	Galvanised	191640
RW 12560750 L	2560	750	Light grey	192440
RW 12560750 V	2560	750	Galvanised	192470
RW 12560995 L	2560	995	Light grey	191590
RW 12560995 V	2560	995	Galvanised	191650
RW 12561283 L	2560	1283	Light grey	191600
RW 12561283 V	2560	1283	Galvanised	191660



Fixing kit

Shelf supports

Fixing kit, shelf supports

Item	Finish	Order no.
Fixing kit		
BWS 1000	Galvanised	192080
Shelf supports		
ZBT 1000	Zinc casting	191270

Plinth rails

on request

Accessories



Wing doors

Sheet steel, powder-coated, painted light grey RAL 7035.

Item	Shelf height (mm)	Clear bay width (mm)	Finish	Order no.
FTR 11840750 L	1840	750	Light grey	192540
FTR 11840995 L	1840	995	Light grey	191670
FTR 11841283 L	1840	1283	Light grey	191680
FTR 12200750 L	2200	750	Light grey	192550
FTR 12200995 L	2200	995	Light grey	191690
FTR 12201283 L	2200	1283	Light grey	191700
FTR 12560995 L	2560	995	Light grey	191710
FTR 12561283 L	2560	1283	Light grey	191720

Suspension rails for various types of file

Item	Shelf depth (mm)	Clear bay width (mm)	Finish	Order no.
PS 1350995 L	350	995	Light grey	191830
PS 1350995 V	350	995	Galvanised	191850
PS 1351283 L	350	1283	Light grey	191840
PS 1351283 V	350	1283	Galvanised	191860

Suspension file extending frames

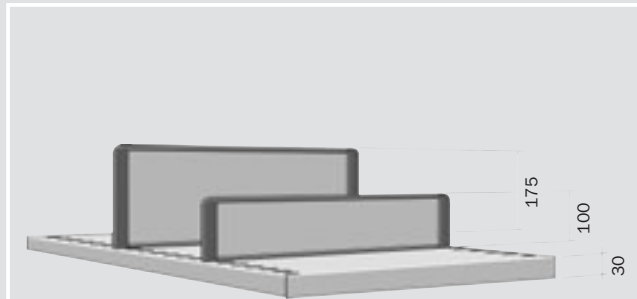
HMA 1350995 L	350	995	Light grey	191790
HMA 1350995 V	350	995	Galvanised	191810
HMA 1351283 L	350	1283	Light grey	191800
HMA 1351283 V	350	1283	Galvanised	191820

Extending shelves

AB 1350995 L	350	995	Light grey	191870
AB 1350995 V	350	995	Galvanised	191890
AB 1351283 L	350	1283	Light grey	191880
AB 1351283 V	350	1283	Galvanised	191900

File supports

OHS 1000 L			Light grey	191910
OHS 1000 V			Galvanised	191920



Free standing dividers

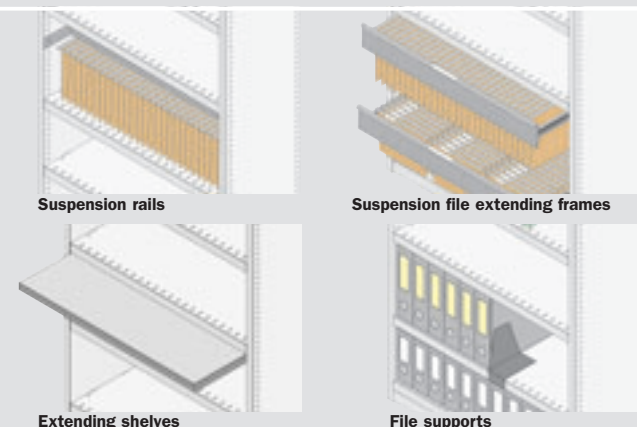
Galvanised sheet steel. With plastic connectors.

Item	Height (mm)	Shelf depth (mm)	Clear bay width (mm)	Finish	Order no.
TRF-K 4310 V	100	300		Galvanised	27300
TRF-K 3510 V	100	350		Galvanised	191990
TRF-K 4410 V	100	400		Galvanised	27310
TRF-K 4510 V	100	500		Galvanised	27320
TRF-K 4610 V	100	600		Galvanised	27330
TRF-K 4317 V	175	300		Galvanised	27340
TRF-K 3517 V	175	350		Galvanised	192000
TRF-K 4417 V	175	400		Galvanised	27350
TRF-K 4517 V	175	500		Galvanised	27360
TRF-K 4617 V	175	600		Galvanised	27370



End stops for shelves

DSL 10750 L	15	750	Light grey	192910
DSL 10750 V	15	750	Galvanised	192920
DSL 10995 L	15	995	Light grey	192010
DSL 10995 V	15	995	Galvanised	192030
DSL 11283 L	15	1283	Light grey	192020
DSL 11283 V	15	1283	Galvanised	192040





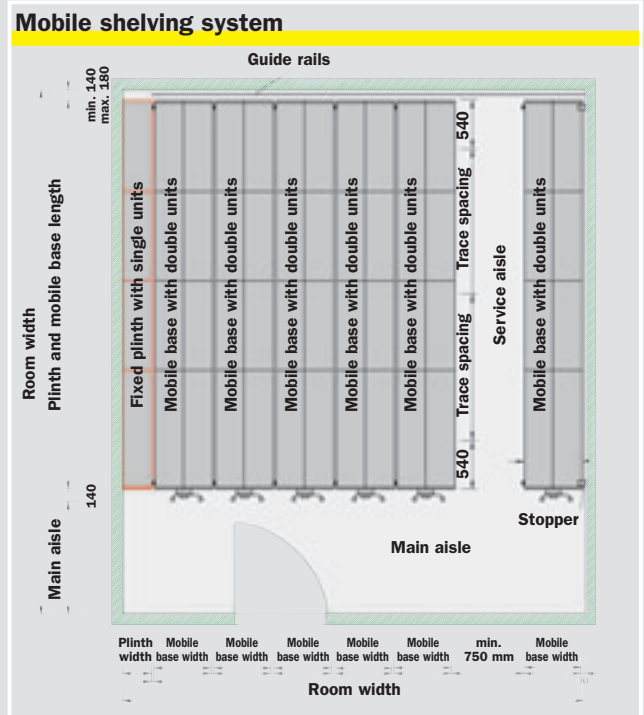
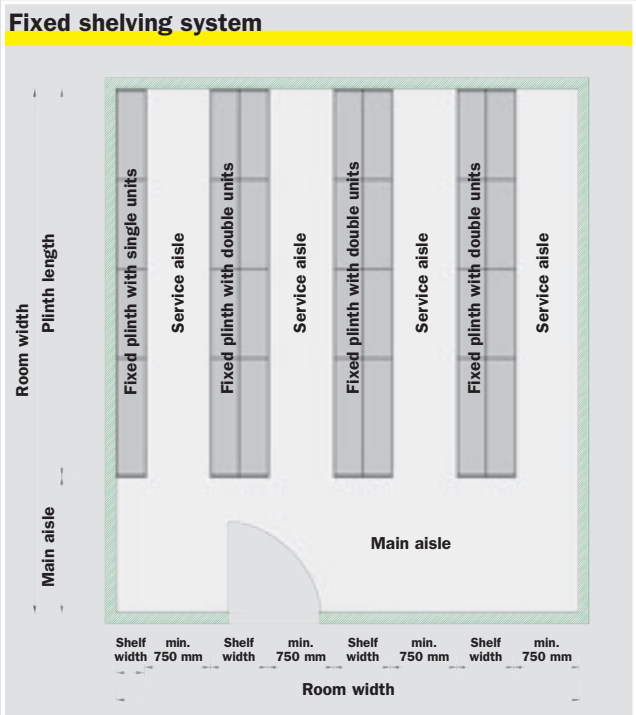
- ▶ **Compact storage**
- ▶ **Optimum anti-friction properties**
even on critical floors
- ▶ **The advantage: tripping hazards avoided**
by using special running gear directly on the available floor

Compact archive storage using mobile shelving technology

With conventional warehousing fixed shelving is used with a service aisle provided between each shelf. This takes up valuable storage space. Mobile shelving is more cost-effective in the long term.

The mobile shelving system requires only one service aisle to be open at any one time, as the shelving units are placed on mobile bases and aisles can be created as needed by shunting.

An increase in valuable storage capacity of up to 85% for single-tier installations and over 100% for multi-tier installations can be achieved with this method.



Track-free systems

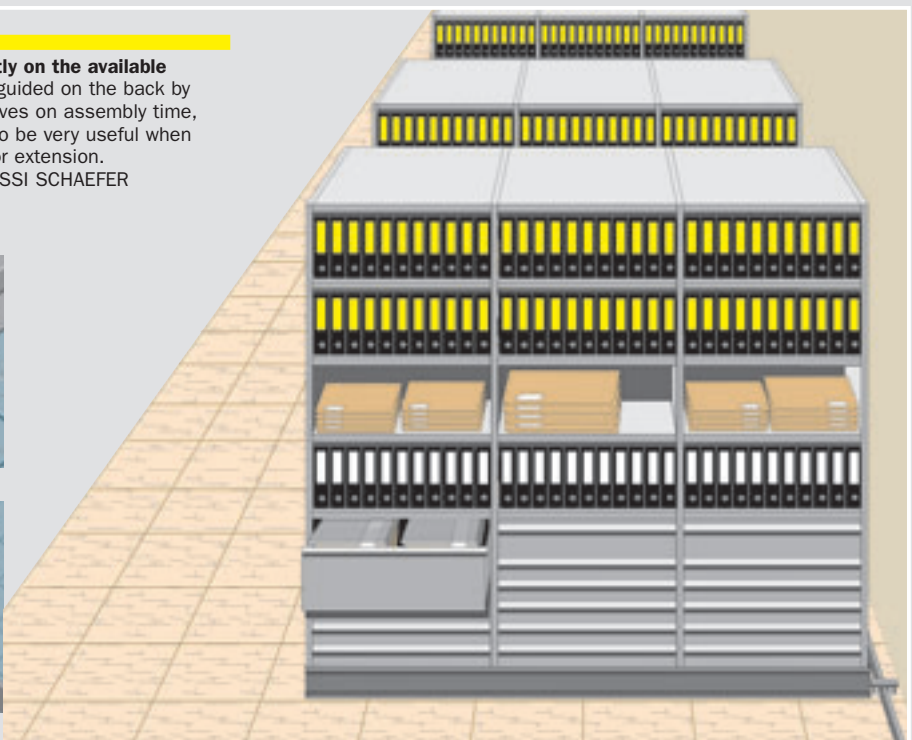
With this system the mobile bases run **directly on the available floor using a special running gear**. They are guided on the back by a small dowel-shaped profile. This system saves on assembly time, is particularly cost-effective and has proved to be very useful when modifications are required, such as a move or extension. All permanent floor surfaces are suitable for SSI SCHAEFER track-free systems.



Track-free design

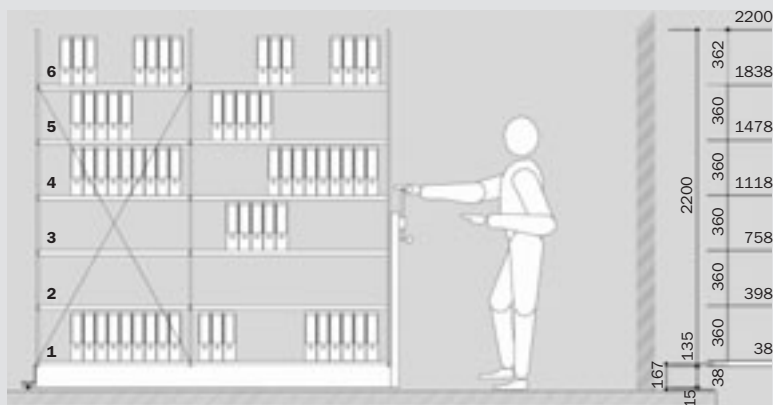


Rear guide profile





R 1000 Mobile shelving system



R 1000 Archive shelving with mobile base and/or fixed plinth

With 6 shelves for files. Total height (mobile base + rack) = 2350 mm. Fully fitted with crank drive and guide rails.

Item	Mobile base length (mm)	Number of bays 995 (mm)	Number of bays 1283 (mm)	Max. payload (kg)	Number tracks	Capacity file 80 mm	File weight (with 3.5 kg/item)	Unladen weight approx. (kg)	Total weight file storage (kg)	Wheel load with file storage (kg) outside	Wheel load with file storage (kg) centre	Order no.
Mobile base with double shelving												
VRL-OA 2606-635-6	2606	-	2	1303	2	384	1344	204	1548	387,0	-	188440
VRL-OA 3025-635-6	3025	3	-	1513	2	432	1512	260	1772	443,0	-	188450
VRL-OA 3601-635-6	3601	1	2	1801	3	528	1848	282	2130	346,0	372,7	188470
VRL-OA 4020-635-6	4020	4	-	2010	3	576	2016	337	2353	373,2	430,3	188490
VRL-OA 4596-635-6	4596	2	2	2298	3	672	2352	359	2711	418,5	518,5	188510
VRL-OA 5015-635-6	5015	5	-	2508	3	720	2520	415	2935	445,8	575,7	188530
VRL-OA 5591-635-6	5591	3	2	2796	3	816	2856	437	3293	491,1	664,1	188560
VRL-OA 6010-635-6	6010	6	-	3005	3	864	3024	492	3516	518,5	721,1	188580
Fixed plinth with single shelving												
VRL-FA 2606-320-6	2606	-	2	2606	-	192	672	94	766	-	-	188040
VRL-FA 3025-320-6	3025	3	-	3025	-	216	756	122	878	-	-	188050
VRL-FA 3601-320-6	3601	1	2	3601	-	264	924	132	1056	-	-	188070
VRL-FA 4020-320-6	4020	4	-	4020	-	288	1008	160	1168	-	-	188090
VRL-FA 4596-320-6	4596	2	2	4596	-	336	1176	170	1346	-	-	188110
VRL-FA 5015-320-6	5015	5	-	5015	-	360	1260	198	1458	-	-	188130
VRL-FA 5591-320-6	5591	3	2	5591	-	408	1428	208	1636	-	-	188160
VRL-FA 6010-320-6	6010	6	-	6010	-	432	1512	236	1748	-	-	188180
Fixed plinth with double shelving												
VRL-FA 2606-635-6	2606	-	2	2606	-	384	1344	170	1514	-	-	188240
VRL-FA 3025-635-6	3025	3	-	3025	-	432	1512	223	1735	-	-	188250
VRL-FA 3601-635-6	3601	1	2	3601	-	528	1848	240	2088	-	-	188270
VRL-FA 4020-635-6	4020	4	-	4020	-	576	2016	292	2308	-	-	188290
VRL-FA 4596-635-6	4596	2	2	4596	-	672	2352	309	2661	-	-	188310
VRL-FA 5015-635-6	5015	5	-	5015	-	720	2520	362	2882	-	-	188330
VRL-FA 5591-635-6	5591	3	2	5591	-	816	2856	379	3235	-	-	188360
VRL-FA 6010-635-6	6010	6	-	6010	-	864	3024	431	3455	-	-	188380

i Additional lengths, designs and configurations available

on request



R 3000 – the multi-functional shelving system

R 3000 – the multi-functional shelving system for all storage tasks. The frame design and variable stacking system without fixed base, top or intermediary shelves or horizontal beams permit a completely free configuration of the shelving bays within the 53 mm-pitch.

R 3000 removes the classic distinction between modular shelving, longspan racking and cantilever racking. One system to store everything. It can be extended at a later date and is fully versatile. We could

not have come up with a more flexible solution to your changing storage requirements.

The closed special profile of the upright has conical grooves on both front sides which enable bracket pockets and cross braces to be fitted without play. Shelves are hung from lug moldings on the sides. The front and sides are punched to enable the mezzanine support elements to be easily attached. The shelf sizes can be altered by repositioning shelves and horizontal

beams. Available in bay widths of 994 mm and 1282 mm.

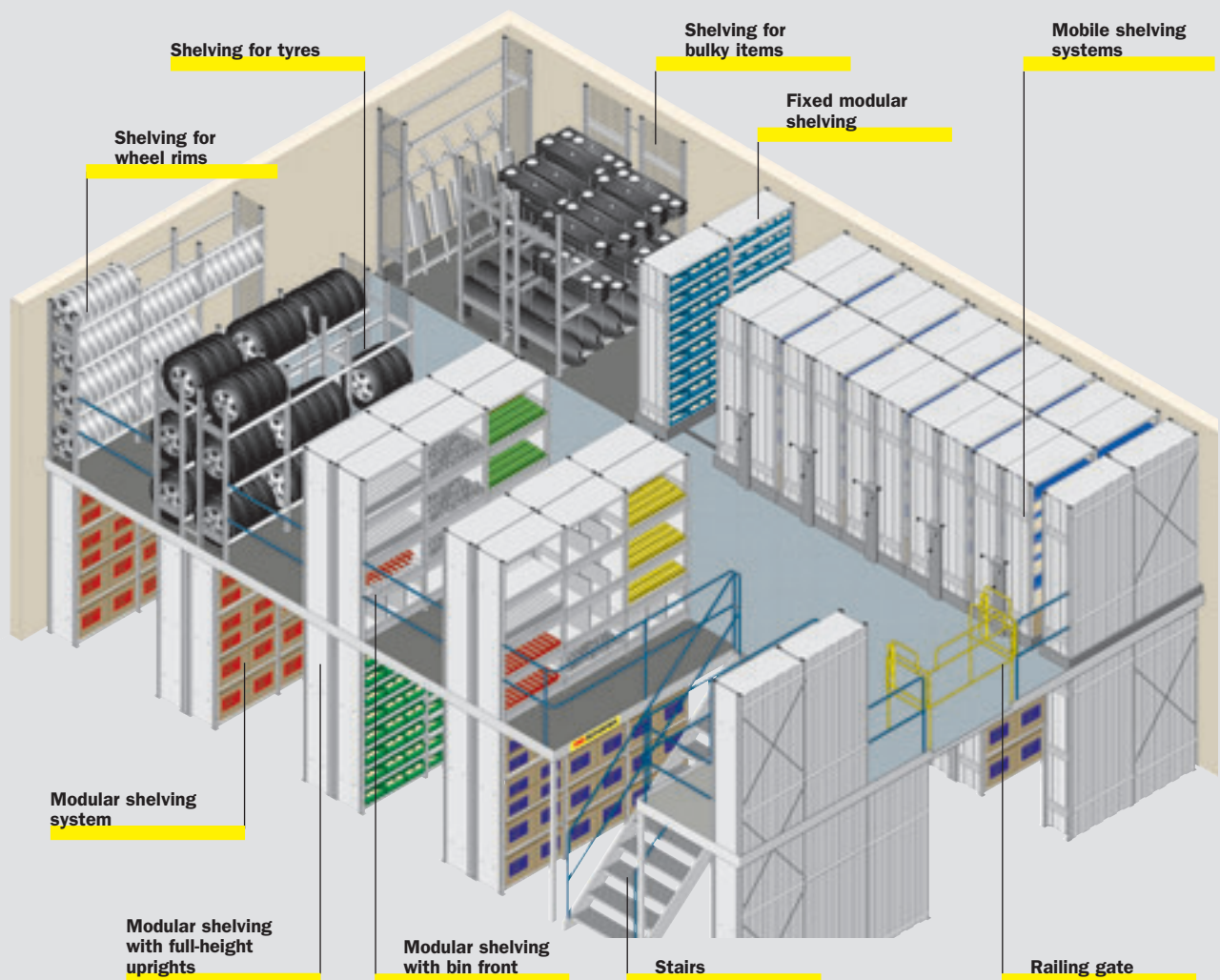
Multi-tier shelving installations can be created using standardised building components, thus optimising the storage capacity right up to the roof. The shelf loading capacity of up to 5000 kg make the R 3000 shelving system ideal for constructing multi-tier racking systems with mezzanine floors.



Multi-tier installations

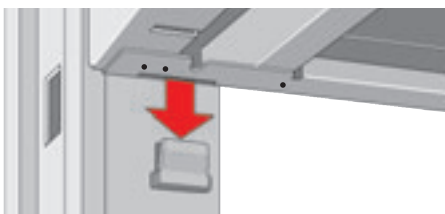
Prefabricated uprights are supplied in different heights for single- and multi-tier designs. They are assembled on site and securely fixed with shelves or horizontal beams and cross braces.

A standard mezzanine height of 2310 mm with a decking thickness of 30 mm is designed to give sufficient headroom even after the installation of sprinklers, air conditioning and lighting etc. The mezzanine height can be selected in pitch intervals of 53 mm.

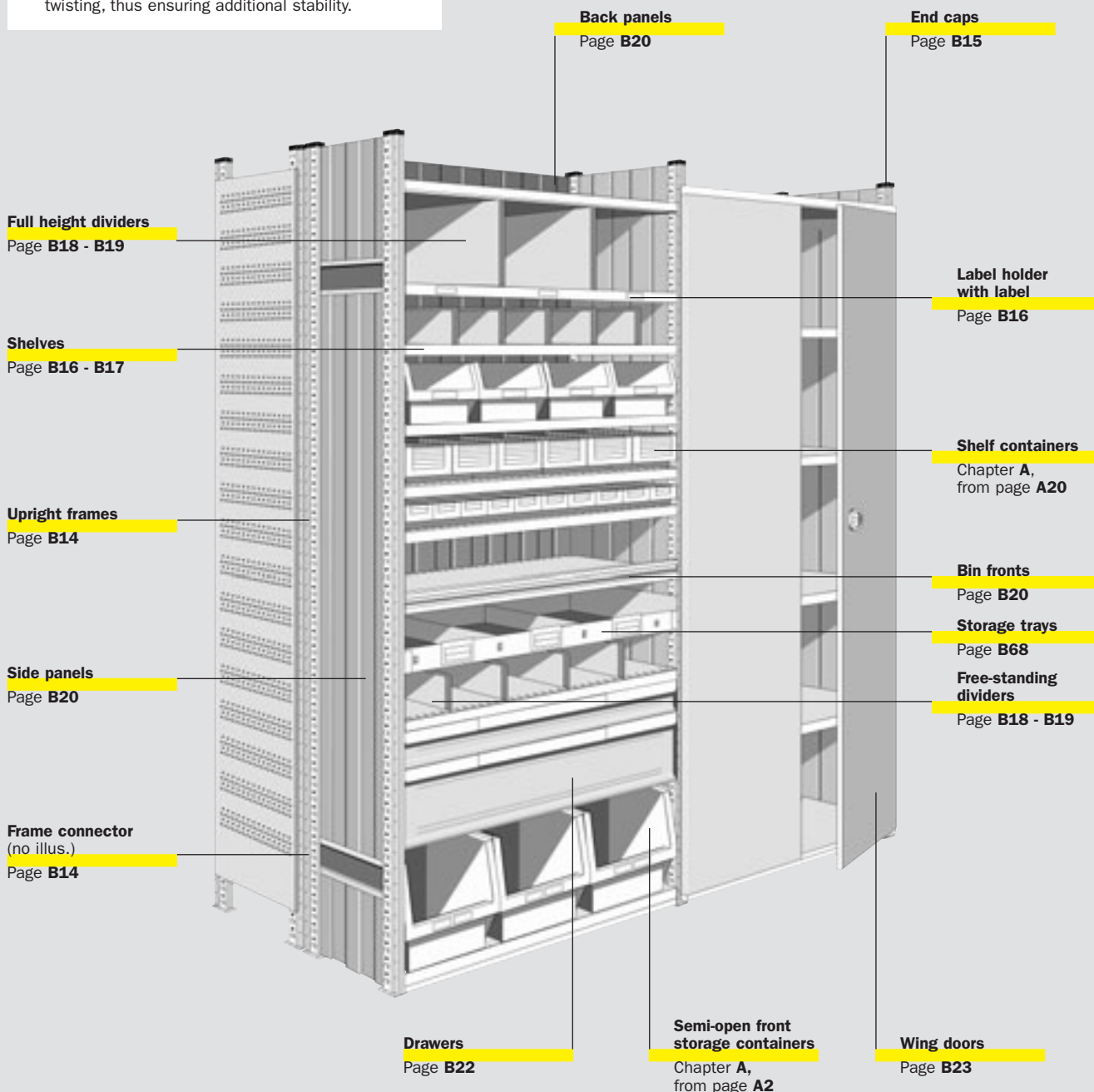


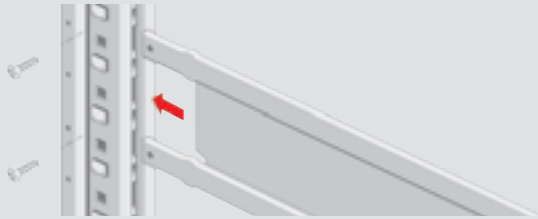
Options

- ▶ **Bolt-free design for rapid assembly**
bay lengths 994 and 1282 mm, shelving depths 300, 400, 500, 600 and 800 mm, variable heights for single- and multi-tier designs
- ▶ **Frame profiles**
with 53 mm lug spacing
- ▶ **Total organisation**
with comprehensive accessories, such as shelves, horizontal beams, timber shelves, walls, drawers, doors and doors
- ▶ **Capable of withstanding loads of up to 5000 kg per bay**
- ▶ **Multi-tier installations**
can be added at a later date

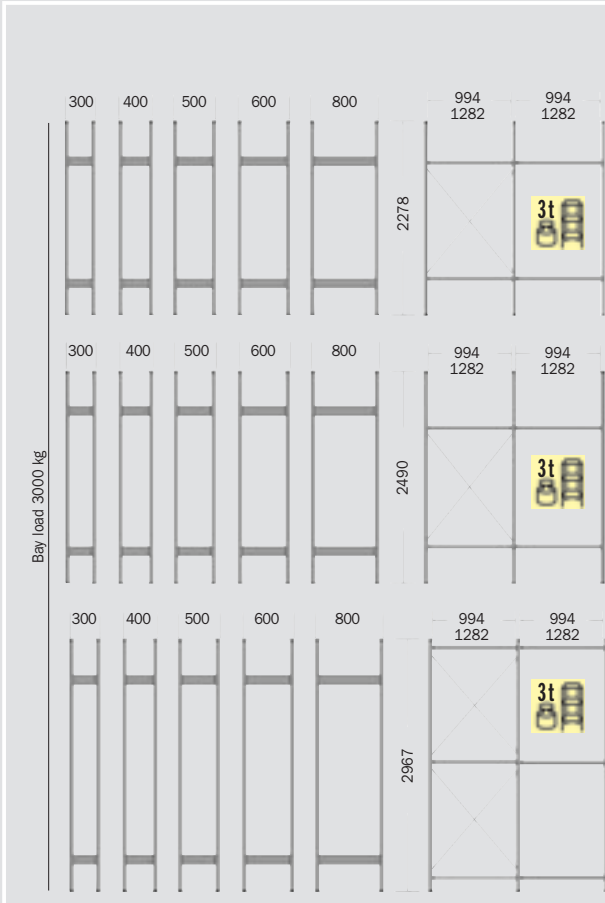


With SSI SCHAEFER shelves, the end section is firmly located against the upright post. In conjunction with additional spot welding, this makes the shelves particularly strong and resistant to twisting, thus ensuring additional stability.





Upright frame system



Upright frames for single-tier installations, galvanised

Item	Shelf depth (mm)	Bay load capacity, max. (kg)	Finish	Order no.
------	------------------	------------------------------	--------	-----------

Height 2278 mm

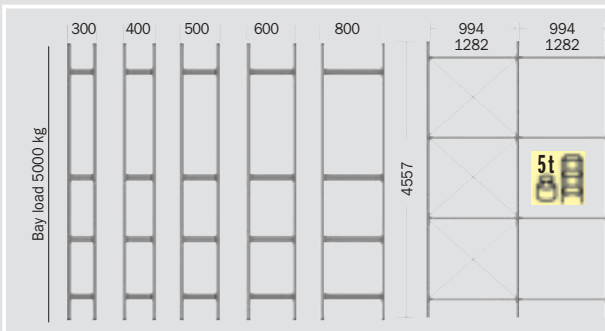
RR 33322 V	300	3000	Galvanised	144750
RR 34322 V	400	3000	Galvanised	144760
RR 35322 V	500	3000	Galvanised	144770
RR 36322 V	600	3000	Galvanised	144780
RR 38322 V	800	3000	Galvanised	144790

Height 2490 mm

RR 33325 V	300	3000	Galvanised	144050
RR 34325 V	400	3000	Galvanised	144060
RR 35325 V	500	3000	Galvanised	144070
RR 36325 V	600	3000	Galvanised	144080
RR 38325 V	800	3000	Galvanised	144090

Height 2967 mm

RR 33330 V	300	3000	Galvanised	144100
RR 34330 V	400	3000	Galvanised	144110
RR 35330 V	500	3000	Galvanised	144120
RR 36330 V	600	3000	Galvanised	144130
RR 38330 V	800	3000	Galvanised	144140



Upright frames for two-tier installations, galvanised

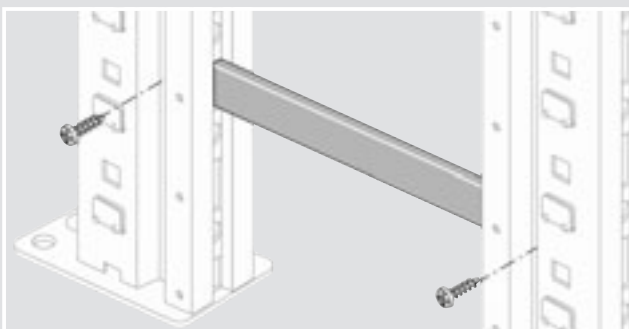
Item	Shelf depth (mm)	Bay load capacity, max. (kg)	Finish	Order no.
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Height 4557 mm

RR 33545 V	300	5000	Galvanised	144600
RR 34545 V	400	5000	Galvanised	144610
RR 35545 V	500	5000	Galvanised	144620
RR 36545 V	600	5000	Galvanised	144630
RR 38545 V	800	5000	Galvanised	144640

Heights 6836 and 9115 mm

on request



Frame connectors

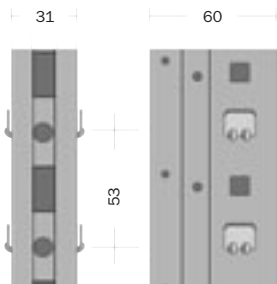
Galvanised sheet steel. To connect 2 shelving bays positioned one behind the other. **Note:** When installing fittings e.g. cross braces, back panels etc. a frame space of 6 mm is required. Fixing kit included.

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



Dimensions in mm



Lug spacing

the lug spacing of the uprights enables the R 3000 to be flexibly configured using an extensive range of accessories. The shelves can be inserted by engaging in the lugs as required (lug pitch 53 mm)

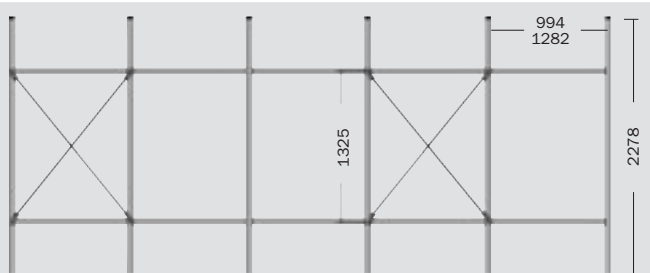
Shelving components and accessories

Cross braces

A cross brace must be secured to the back of the first and every third bay thereafter to stabilise the shelving.

Note: Decking panels or mesh shelves must be installed in the area adjacent to the cross brace connection.

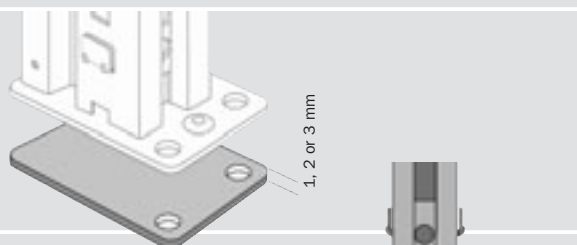
Item	Bay length (mm)	Order no.
KV 31013	994	146000
KV 31313	1282	146010



Shim plates

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

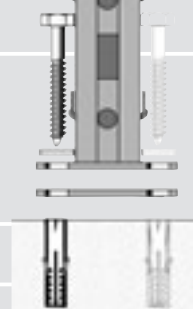
Item	Thickness (mm)	Order no.
UP 3001	1	147450
UP 3002	2	147070
UP 3003	3	147460



Floor fixing

To fix the uprights to the floor. Contains screws, plugs and washers.

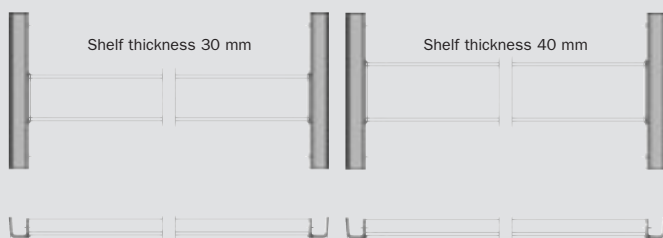
Item	Order no.
BF 3000	145710



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. The top and bottom shelf of every shelving bay in a row must be fitted with 2 horizontal braces (for shelving heights up to 2967 mm). The positive connection with the uprights guarantees high rigidity. **Bay load capacity on request.**

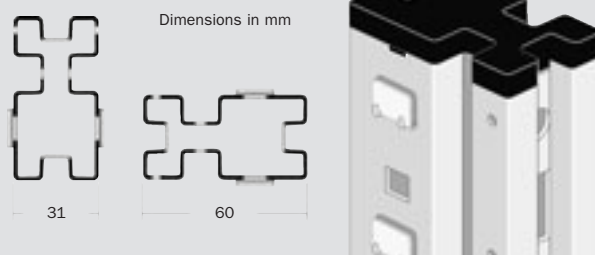
Item	Bay length (mm)	Shelf thickness (mm)	Order no.
LV 3103	994	30	145060
LV 3133	1282	30	145070
LV 3104	994	40	145080
LV 3134	1282	40	145090



End cap

High grade black plastic. To cap the uprights.

Item	Order no.
AK 3000	147130





GALVANISED

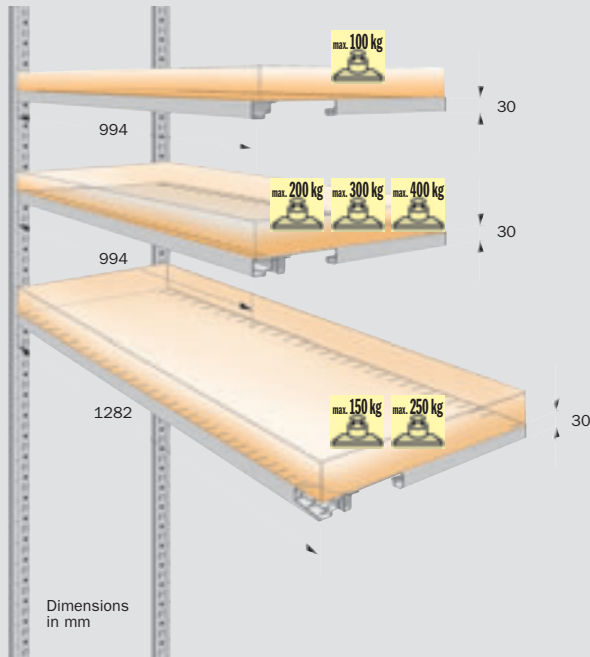
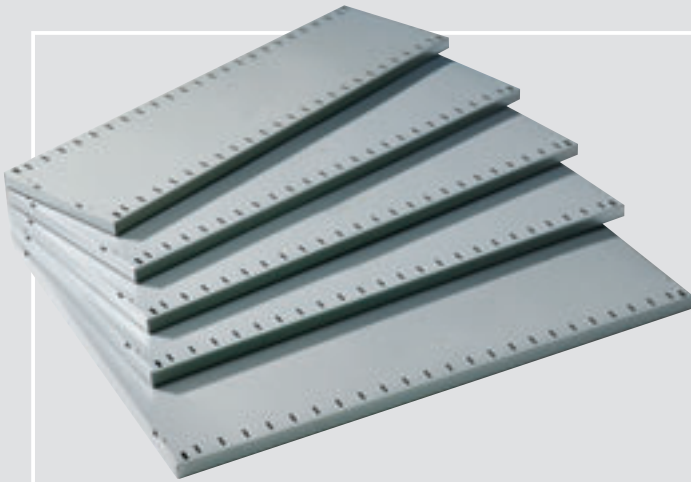
SILVER



Shelves

Shelves

Sheet steel, either painted silver or galvanised, 30 or 40 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



i Shelves for 1282 mm x 300 mm, max. load 80 kg

ZB 1301308 I / ZB 1301308 v Page B5

Base shelves for bay width 994 mm, thickness 30 mm

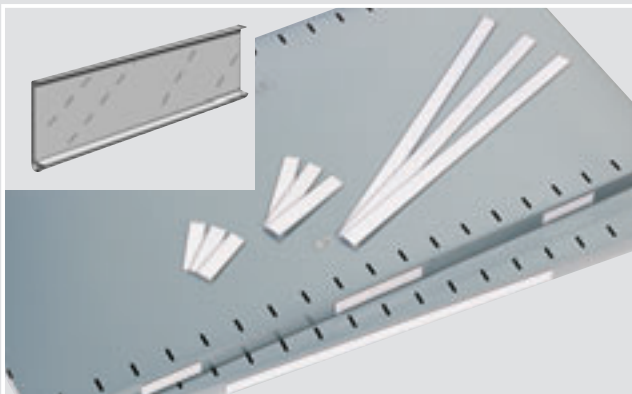
Sheet steel, painted silver or galvanised.

Item	Shelf depth (mm)	Base load max. (kg)	Edge design	Finish	Order no.
ZB 4313 V	300	100	N	Galvanised	27002
ZB 4313 L	300	100	N	Painted finish	27000
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 1282 mm, thickness 30 mm

Sheet steel, painted silver or galvanised.

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



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

Shelves

Underside of V-type shelf

Underside of N-type shelf

Base shelves for bay width 994 mm, thickness 40 mm

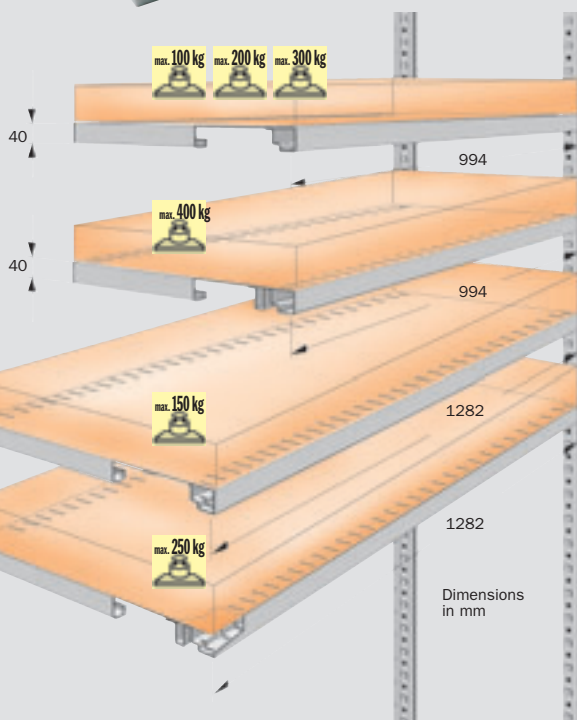
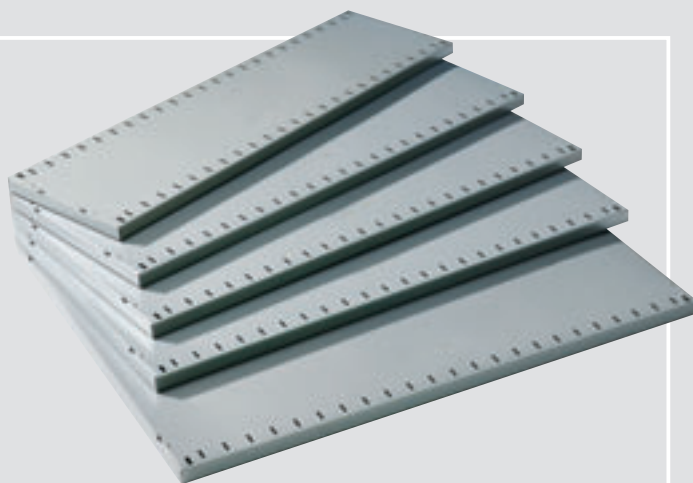
Sheet steel, painted silver or galvanised.

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

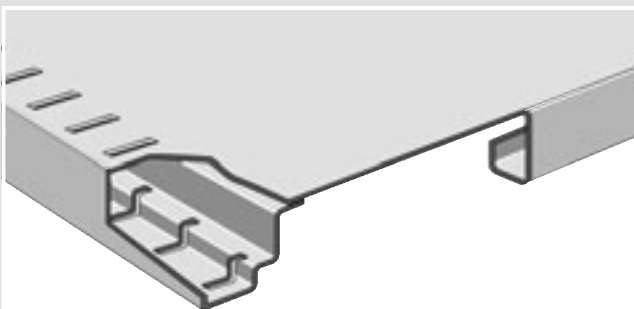
Base shelves for bay width 1282 mm, thickness 40 mm

Sheet steel, painted silver or galvanised.

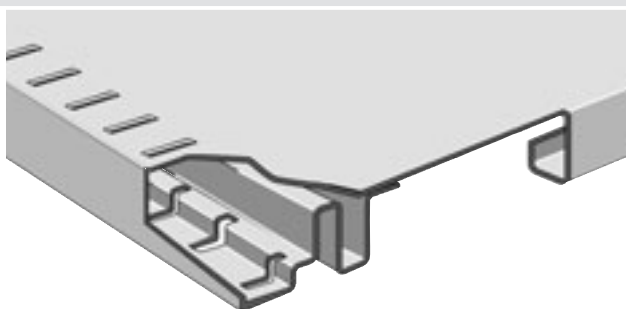
ZB 341315 V	400	150	N	Galvanised	145540
ZB 341315 L	400	150	N	Painted finish	on req.
ZB 351315 V	500	150	N	Galvanised	145550
ZB 351315 L	500	150	N	Painted finish	on req.
ZB 351325 V	500	250	V	Galvanised	145610
ZB 351325 L	500	250	V	Painted finish	on req.
ZB 361315 V	600	150	N	Galvanised	145560
ZB 361315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



i Shelf containers for modular shelving from page A20



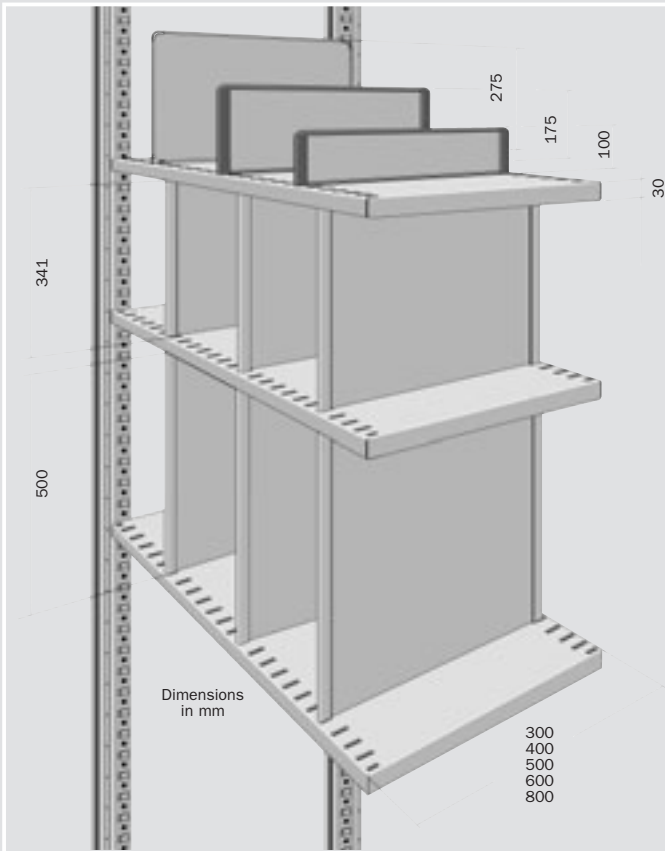
Single edge shelf = N-type



Double edge shelf = V-type



System components



Freestanding dividers for 30 mm shelving

Galvanised sheet steel. These dividers are fitted into the shelf slots, irrespective of the opening height, and can also be used inconjunction with bin fronts.

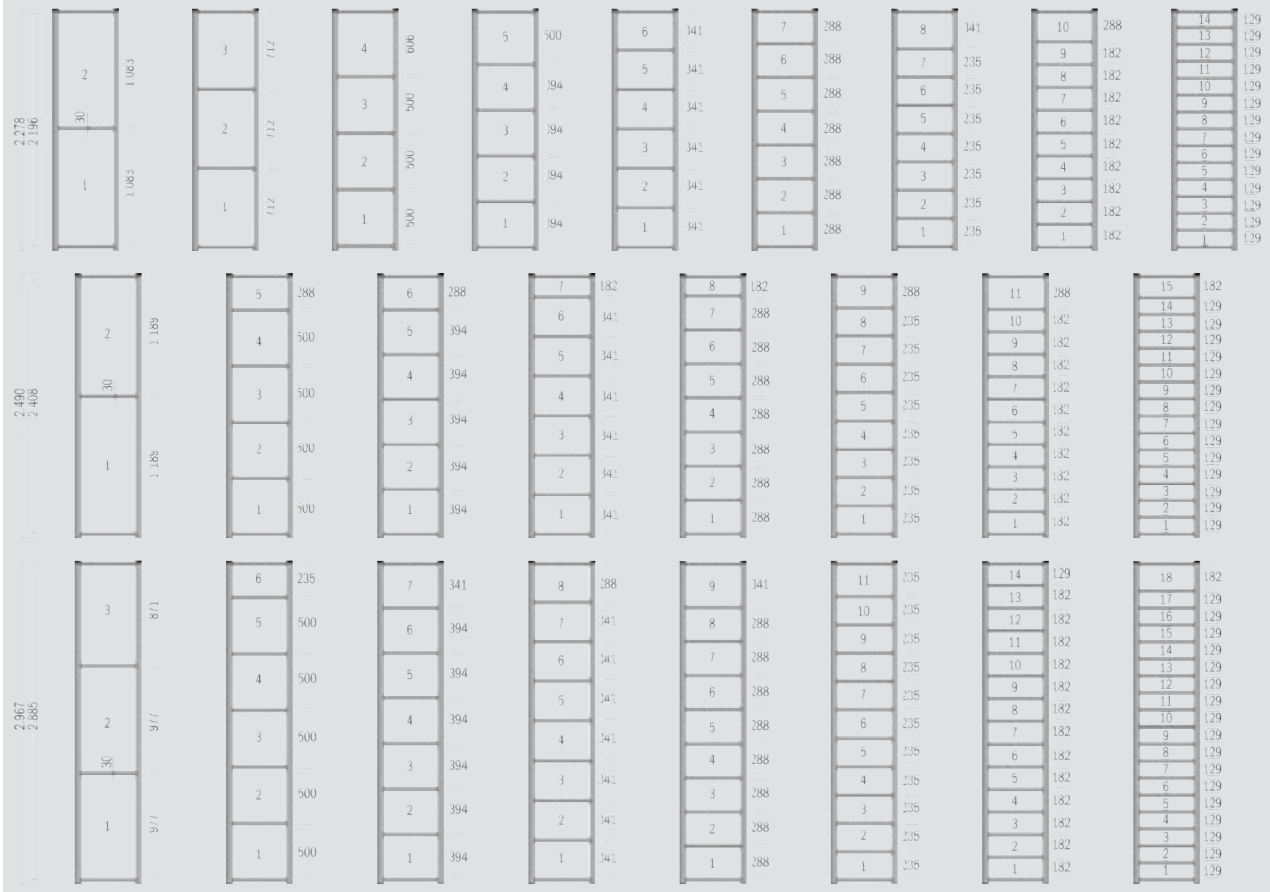
Item	For shelf depth (mm)	Divider height (mm)	Design with	Order no.
TR-F 4310	300	100	Plastic connectors	27300
TR-F 4317		175	Plastic connectors	27340
TR-F 4410	400	100	Plastic connectors	27310
TR-F 4417		175	Plastic connectors	27350
TR-F 4427		275	Wire connectors	27380
TR-F 4510	500	100	Plastic connectors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

Full height dividers

Galvanised sheet steel, for clear opening heights of 341 mm and 500 mm.

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

Variations in partitioning can be achieved with dividing shelves for shelf heights of 2278, 2490 and 2967 mm



System components

Freestanding dividers for 40 mm shelving

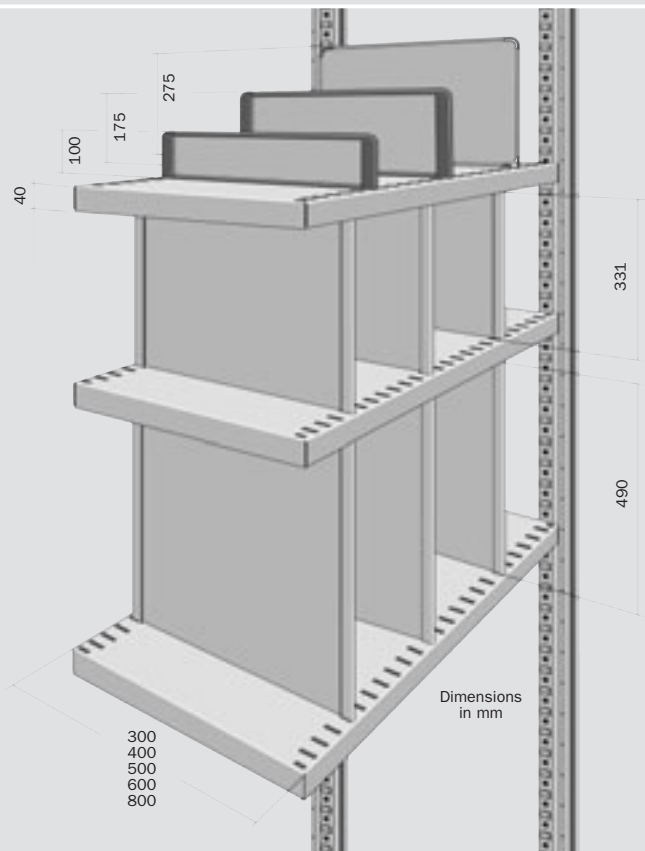
Galvanised sheet steel. These dividers are fitted into the shelf slots, irrespective of the opening height, and can also be used in conjunction with bin fronts.

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

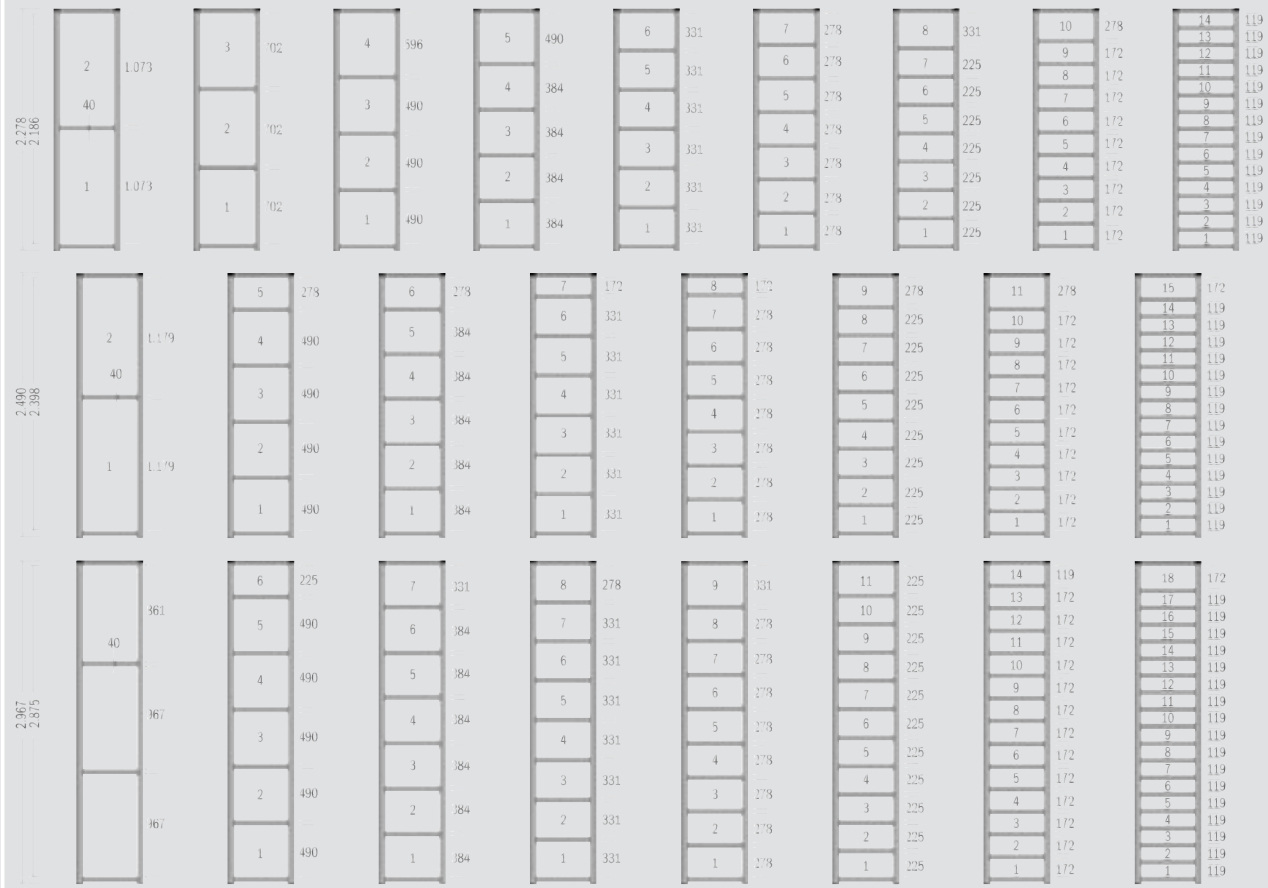
Full height dividers

Galvanised sheet steel, for clear opening heights of 331 mm and 490 mm.

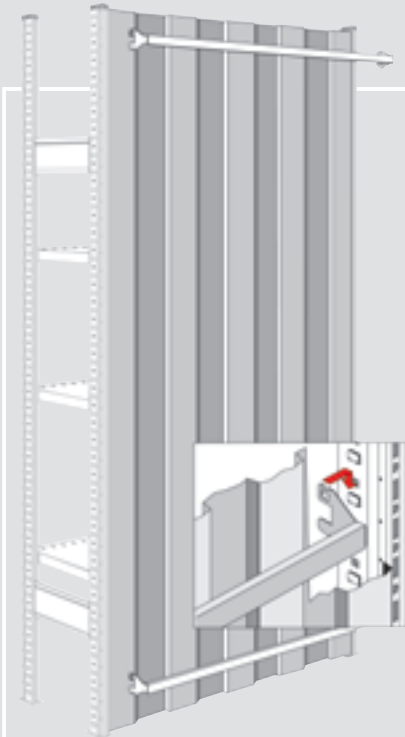
Item	For shelf depth (mm)	Divider height (mm)	Order no.
TR 3330	300	331	147000
TR 3430	400	331	147010
TR 3450		490	147020
TR 3530	500	331	147030
TR 3550		490	147040
TR 3630	600	331	147050
TR 3650		490	147060



Variations in partitioning can be achieved with dividing shelves for shelf heights of 2278, 2490 and 2967 mm



Shelving components and accessories



Outer back panels

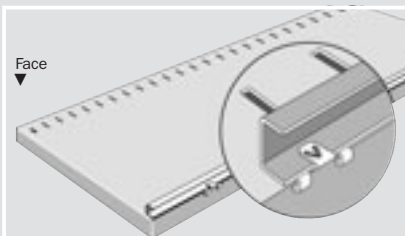
Galvanised sheet steel. The 3-part back panels are supported by the shelves. The holding rails slide over the back panel sections and clip into the upright lugs.

For bay width 994 mm, 3 parts

Item	Height (mm)	Order no.
RWA 31022	2278	146700
RWA 31025	2490	146520
RWA 31030	2967	146530

For bay width 1282 mm, 3 parts

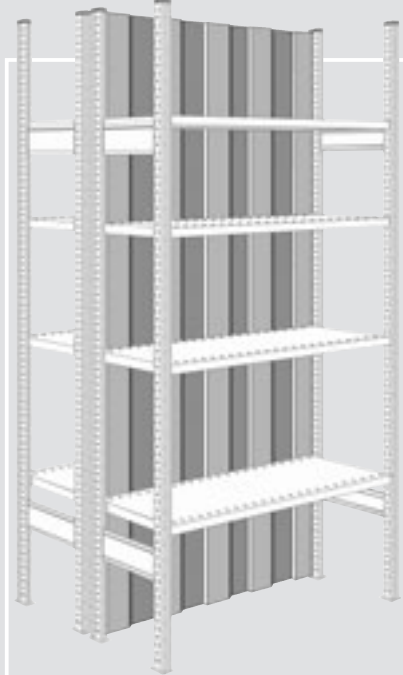
RWA 31322	2278	146710
RWA 31325	2490	146550
RWA 31330	2967	146560



End stops

Galvanised sheet steel. Prevents containers from sliding over the edge, incl. 3 clips.

Item	Bay length (mm)	Order no.
DSL 4102	994	27990
DSL 9131	1282	38190



Inner back panels

Galvanised sheet steel. Used between two racks. They slide into one another and are supported by the shelves.

For bay width 994 mm, 3 parts

Item	Height (mm)	Order no.
RWI 31022	2278	146720
RWI 31025	2490	146460
RWI 31030	2967	146470

For bay width 1282 mm, 3 parts

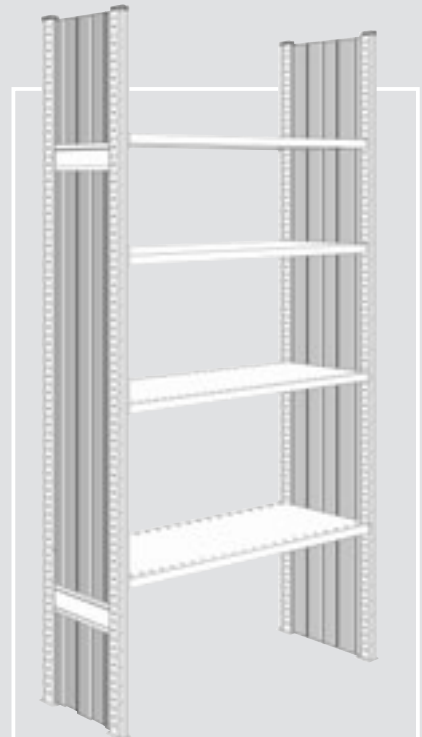
RWI 31322	2278	146730
RWI 31325	2490	146490
RWI 31330	2967	146500



Bin fronts

Galvanised sheet steel, for storing small, loose items. Particularly suitable for use in conjunction with dividers and middle, back and side panels.

Item	Bay length (mm)	Rail H (mm)	Order no.
VL 4001	994	40	27760
VL 4000	994	85	27750
VL 9001	1282	40	37850
VL 9000	1282	85	37860



Side panels

Galvanised sheet steel. The side panels are positioned between the uprights against the frame braces and clipped between the frame brace and the shelves.

For height 2278 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 2490 mm

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

For height 2967 mm

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

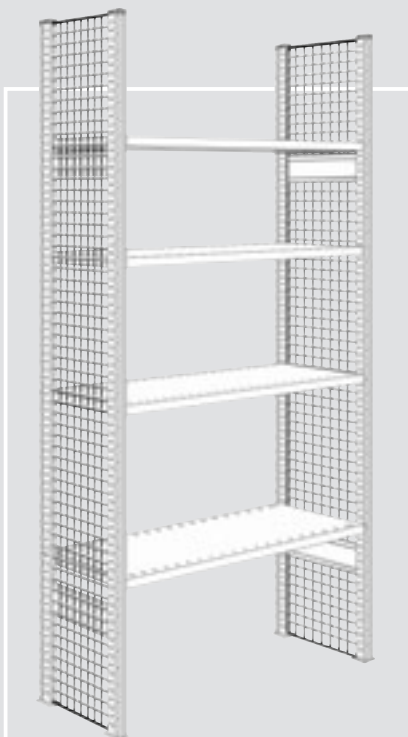
Accessories



Fixings for mesh side panel



Fixings for mesh back panel



Mesh side panels

Steel wire, painted silver. Secure to the uprights with clips. Fixing kit included.

For height 2278 mm

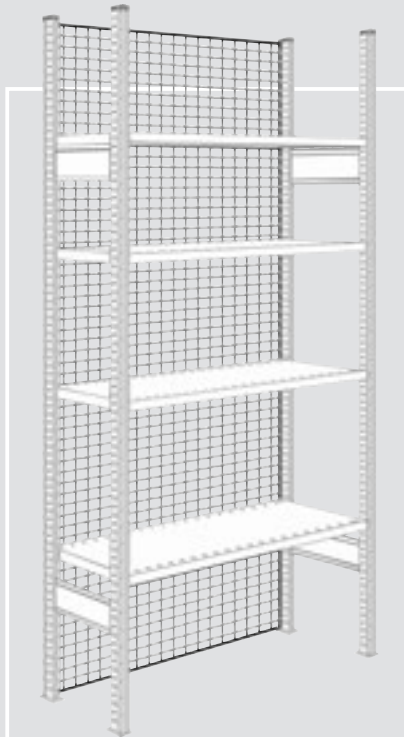
Item	Shelf depth (mm)	Order no.
SWG 3322	300	146740
SWG 3422	400	146750
SWG 3522	500	146760
SWG 3622	600	146770
SWG 3822	800	146780

For height 2490 mm

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

For height 2967 mm, 2 parts

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



Mesh back panels

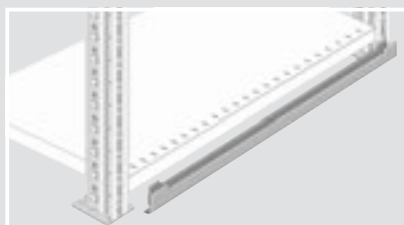
Steel wire, painted silver. Secure to the uprights with spring clips. Fixing kit included.

For bay width 994 mm

Item	Height (mm)	Order no.
RWG 31022	2278	146790
RWG 31025	2490	146580
RWG 31030	2967 / pairs	146590

For bay width 1282 mm

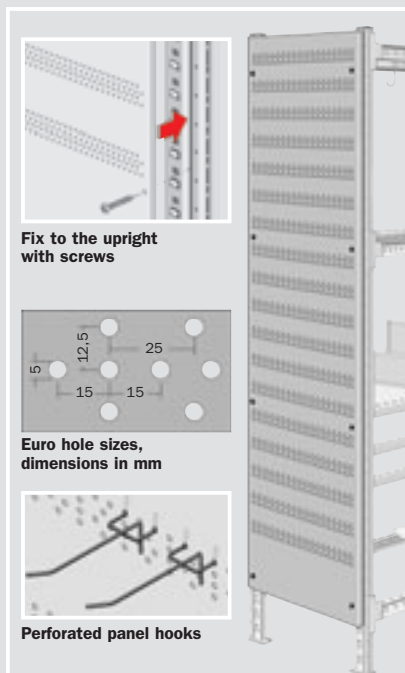
RWG 31322	2278	146800
RWG 31325	2490	146610
RWG 31330	2967 / pairs	146620



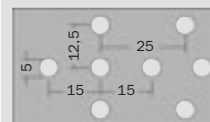
Plinth rails

Galvanised sheet steel. Covers the gap between the shelves attached to the first lug pitch and the floor.

Item	Bay length (mm)	Order no.
SO 7102	994	28860
SO 7132	1282	28900



Fix to the upright with screws



Euro hole sizes, dimensions in mm



Perforated panel hooks

Outward-facing side panels, perforated

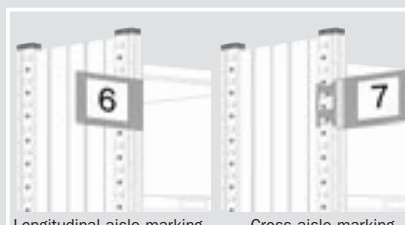
Galvanised sheet steel.

Height 2000 mm

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

Perforated panel hooks

LPH 100		26790
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Longitudinal aisle marking

Cross aisle marking

Aisle Marking

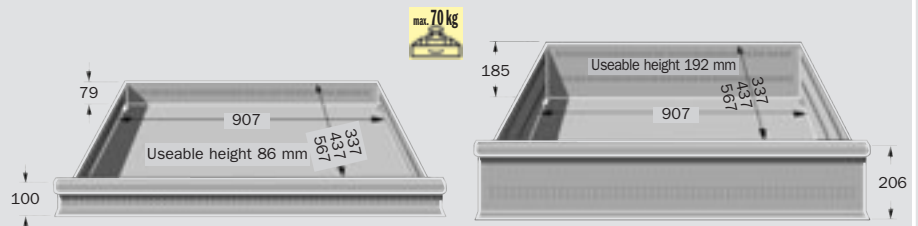
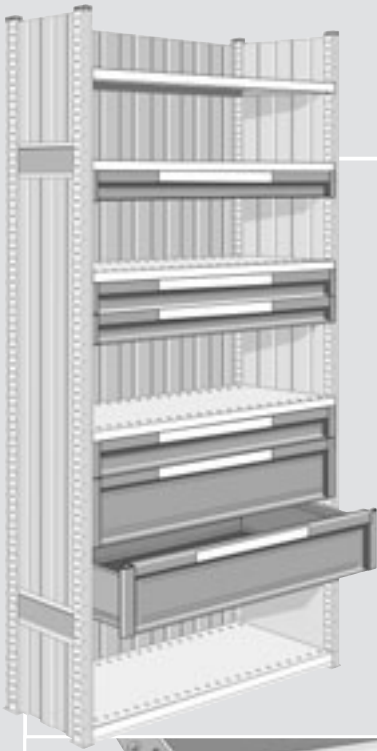
For cross and longitudinal aisle marking, with clear protective foil and removable labels. 1 unit = 10 pieces.

Item	Finish	Order no.
GBQ	Cross element	145720
GBL	Longitudinal element	145730



► **Stability when using drawers**
in accordance with the guidelines for storage installations and equipment BGR 234 (formerly ZH 1/428) to ensure stability of drawers without pull-out stops, special stops, e.g. connecting the shelves to one another or using suitable components should be used

Drawers and accessories



Drawers for bay width 994 mm

Sheet steel, painted silver. Drawers can be used in conjunction with two wing door sets.

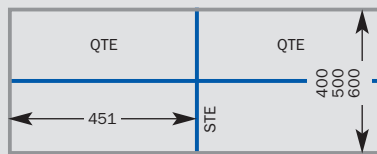
Side infill panels

Cover the space between the uprights and the drawer. Fitted to the left and right of the drawer front using self-tapping screws.

Item	Fascia height (mm)	For shelf depth (mm)	Useful depth (mm)	Max. load (kg)	Order no.
ESCH 4410	100	400	337	70	26680
ESCH 4510	100	500	437	70	27951
ESCH 4610	100	600	567	70	27971
SBL-ESCH 4100	Matching side panels				28260
ESCH 4420	206	400	337	70	26690
ESCH 4520	206	500	437	70	27961
ESCH 4620	206	600	567	70	27981
SBL-ESCH 4200	Matching side panels				28270

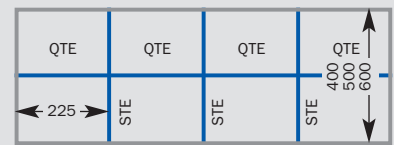
Drawer dividers

Drawer dividers allow the user to fully customise the drawer compartment. They are fitted with plastic mountings, which are inserted in the rows of perforations in the fronts and sides of the drawers. Drawer dividers enable the drawer to be divided into compartment widths of 451, 225 and 112 mm. Variations in compartment depth can be achieved using adjustable cross dividers. Without cross dividers, the full drawer depth is useable, and customised drawer lengths are available.



Four divisions, 1 x STE and 2 x QTE

Item	For drawers	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



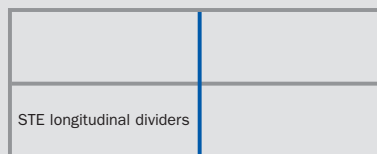
Eight divisions, 3 x STE and 4 x QTE

Item	For drawers	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



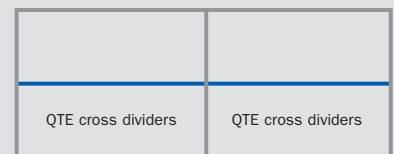
Sixteen divisions, 7 x STE and 8 x QTE

Item	For drawers	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



Longitudinal dividers

Item	Fascia height (mm)	Order no.
STE 5010	100	29880
STE 5020	206	29881
STE 6010	100	29882
STE 6020	206	29883
QTE/STE	Divider holder	6000349



Cross dividers

Item	Division	Fascia 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



BLUE

SILVER

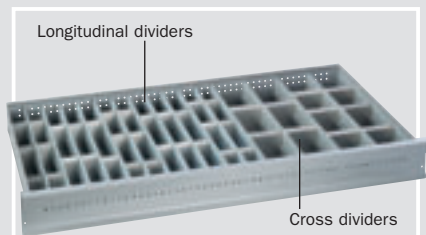


Wing doors
Drawers

► **Two wing door sets**

when using 40 mm shelving, the height of the lowest shelf should be 30 mm. Side and back panels may be ordered separately for additional units

Drawer dividers and wing door sets

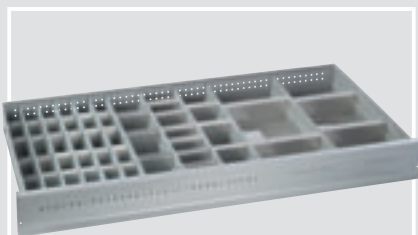


Combination A

Only for drawer ESCH 4510.

12 longitudinal dividers W 46,5 mm and 30 cross dividers; 4 longitudinal dividers W 93 mm and 10 transverse dividers.

Item	Cabinet D (mm)	Division H (mm)	Order no.
SUW 5003 A	500	36	35220
SUW 5006 A	500	66	35221



Combination B

Only for drawer ESCH 4510.

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

Item	Cabinet D (mm)	Division H (mm)	Order no.
SUW 5003 B	500	36	35230
SUW 5006 B	500	66	35231



Combination C

Only for drawer ESCH 4510.

10 longitudinal dividers W 93 mm and 20 cross dividers.

Item	Cabinet D (mm)	Division H (mm)	Order no.
SUW 5003 C	500	36	35240
SUW 5006 C	500	66	35241

Complete sets of insert containers

Only for drawer ESCH 4510.

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

Item	Order no.
SET 2501	12910

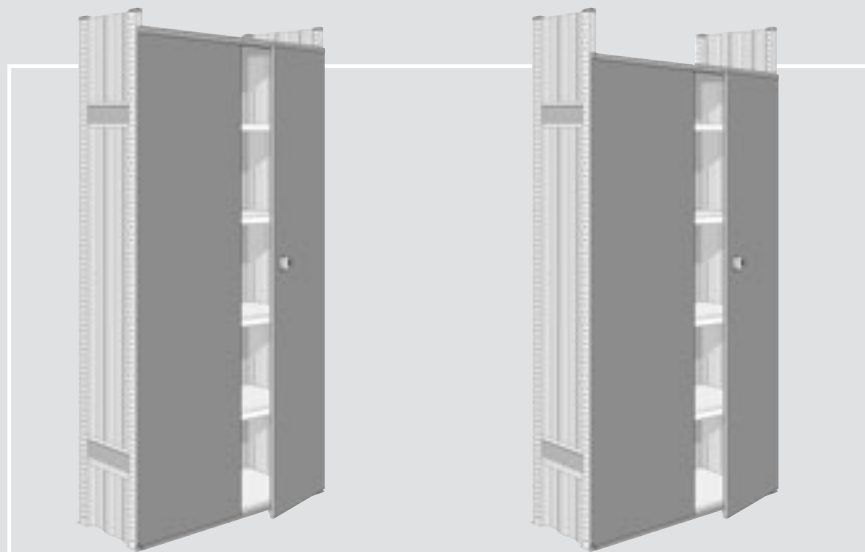


Insert containers

Polystyrene, blue, with label facility on the grip.

Pieces per unit: EK 1: 58 pieces; EK 2: 80 pieces; EK 3: 120 pieces; EK 111-N: 48 pieces

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



Two wing door sets

Only suitable for bay width of 994 mm. Height 2111 mm.

For assembly of the lower door mount, a lower shelf with a height of 30 mm must be used.

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

Item	Order no.
FTR 4001	27900
BM-FTR-R3	Fixing materials 144980

Two wing door sets for multi-tier installations

Only suitable for bay width of 994 mm. Height 1845 mm. For technical reasons, doors used above and below the mezzanine floor in multi-tier installations must be shorter. In addition to this, a shelf of corresponding depth must also be used.

For assembly of the lower door mount, a lower shelf with a height of 30 mm must be used.

Item	Order no.
FTR-B 4001	27910
BM-FTR-R3	Fixing materials 144980



Side and back panels



Additional shelving



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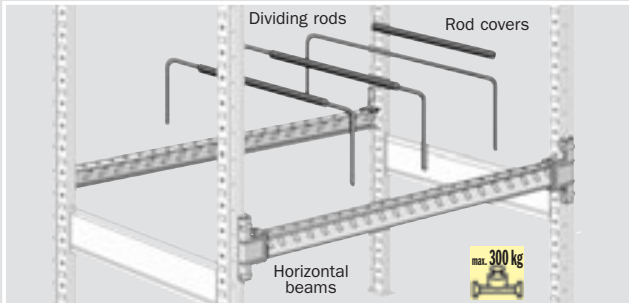


- Horizontal beams
- Dividing rod
- Special parts holder
- Clothes rail set
- Rail support
- Bridging cross beam

► **Horizontal beams**

as an alternative to cross bracing for reinforcement. A minimum of two pairs of horizontal beams per bay must be fitted to stabilise the racking (bolts included)

Accessories for storing bulky items



Horizontal beams

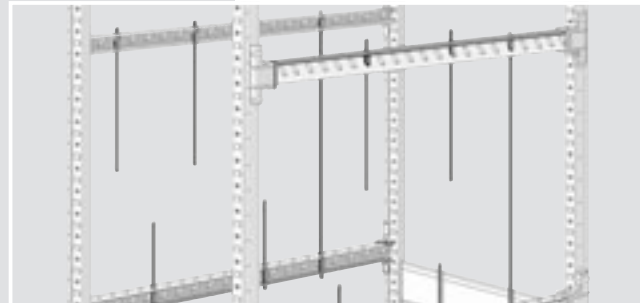
Galvanised sheet steel. The height of the beams can be adjusted in increments of 53 mm.

Item	Horizontal beam length (mm)	Max. load/ Pair (kg)	Order no.
KTRZ 31036	994	300	147140
KTRZ 31336	1282	300	147150
KTRZ 32036	2019	300	147160

Dividing rods

The KTB rods provide longitudinal division of 800 mm deep shelving bays. Height 330 mm.

Item	Frame depth (mm)	Order no.
KTB 80	800	159430
KTB S	Rod covers	39640



Dividing rods

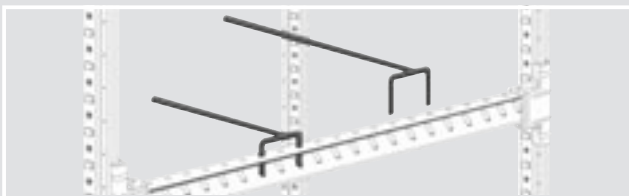
Galvanised sheet steel. The rods are inserted in the holes in the horizontal beams and lock automatically.

Item	Dividing rod length (mm)	Useable height (mm)	Order no.
KRA 4170	170		159440
KRA 4300	300		159450
KRA 4950	Glass parts holder	894	159460
KRA 4105	Glass parts holder	1000	159470

Protective Tero-daem coating (no illus.)

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

Item	Order no.	
KRT 3102	Tero-daem coating, perforated	147340



Bay divider

Insert in the holes in the cross beams.

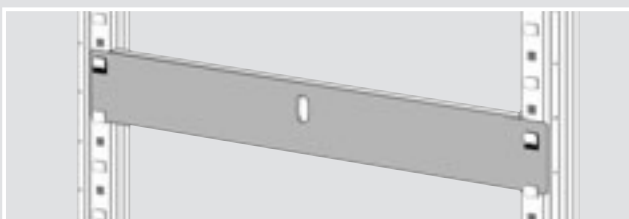
Item	Useable length (mm)	For shelf depth (mm)	Order no.
APH 340	340	400	18120
APH 740	740	800	18110



Clothes rails sets

Galvanised sheet steel, to hang, loose covers, mats, clothing etc.

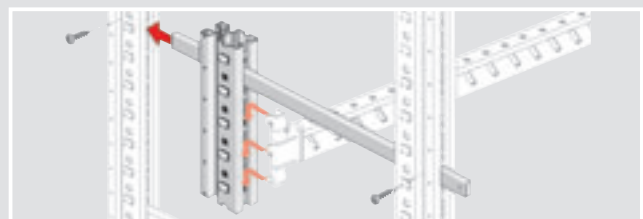
Item	Length x depth (mm)	Order no.
KST 3108	994 x 800	147190
KST 3138	1282 x 800	147200



Rail support

Galvanised sheet steel. To define the bays in the upright frames.

Item	For shelf depth (mm)	Order no.
AL 3800	800	147210



Bridging cross beam

Galvanised. For use in racking frames and bridging bays to store various structural parts.

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

Accessories for storing bulky items

Timber decking panels, equal height

Suitable for single or double bay storage. Made from 20 mm particle board. They are positioned on UT crossbeams, which attach to the horizontal beams, to form a single unit of equal height. The UT beams also serve to protect the 20 mm thick longitudinal edge of the timber decking.

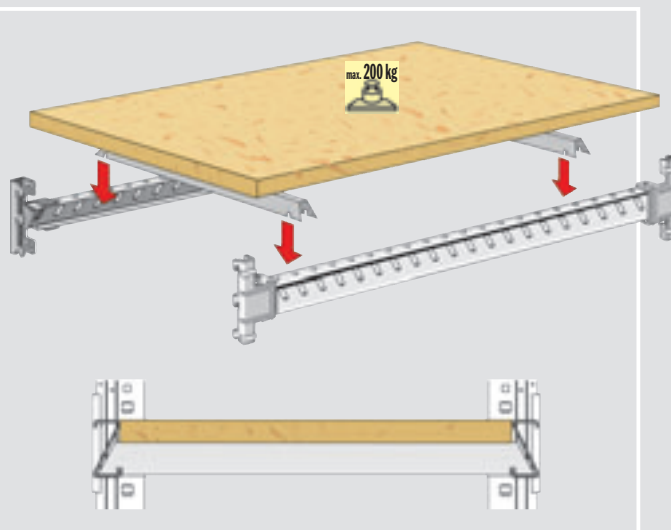
The horizontal beams are not included in the delivery scope and must be ordered separately (page B24).

Particle board dimensions

for bay length 994 mm: W 985 x D 717 x H 20 mm

for bay length 1282 mm: W 1273 x D 717 x H 20 mm

Item	Bay length (mm)	Order no.
KRHH 381020	994, incl. 2 UT crossbeams	94760
KRHH 381320	1282, incl. 3 UT crossbeams	94670



Timber decking panels, recessed

20 mm thick. Fully recessed in the horizontal beams.

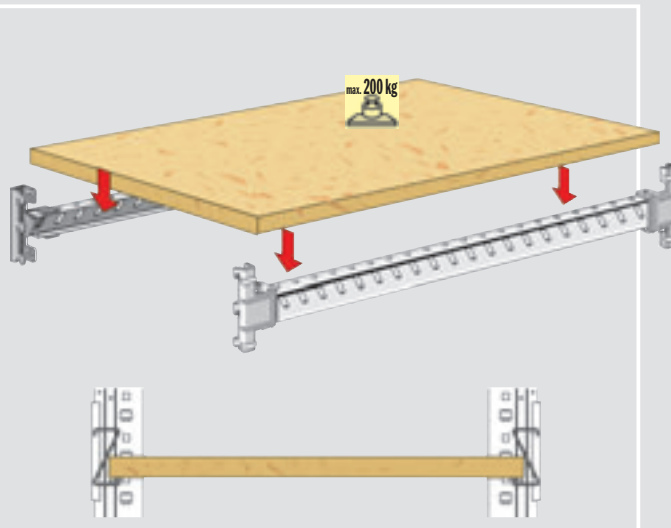
The horizontal beams are not included in the delivery scope and must be ordered separately (page B24).

Particle board dimensions

for bay length 994 mm: W 985 x D 755 x H 20 mm

for bay length 1282 mm: W 1273 x D 755 x H 20 mm

Item	For bay length (mm)	Order no.
KRAB 381020	994	94830
KRAB 381320	1282	94990



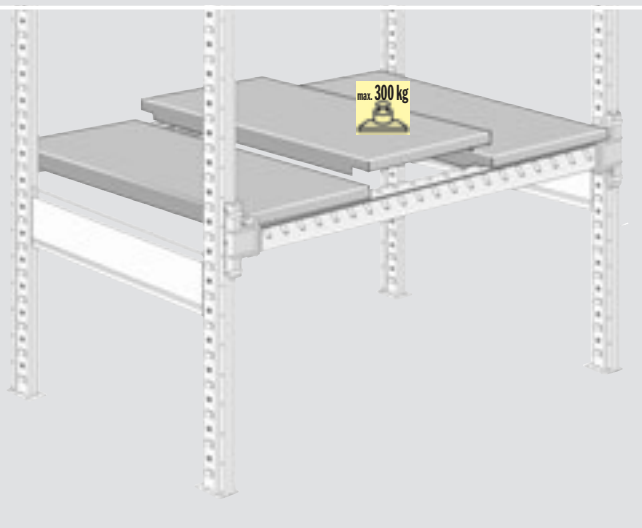
Steel decking panels



Galvanised. Can be inserted in the shelving unit individually or in multiples to form a closed decking.

The horizontal beams are not included in the delivery scope and must be ordered separately (page B24).

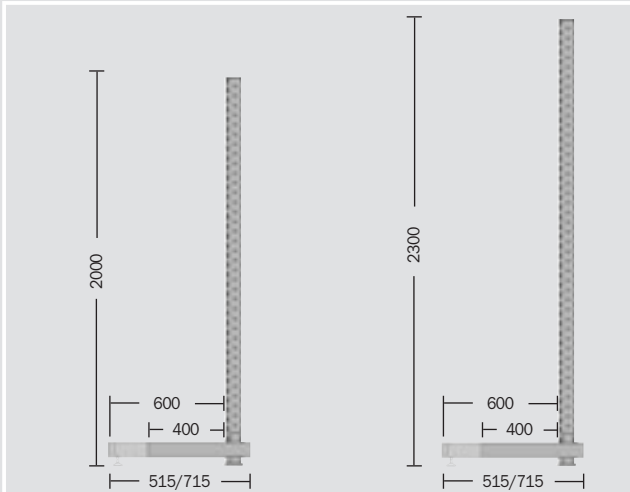
W 328 x D 800 mm.

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



SILVER	GALVANISED
 Uprights Horizontal beams Brackets Trays Connectors	 Dividing rods

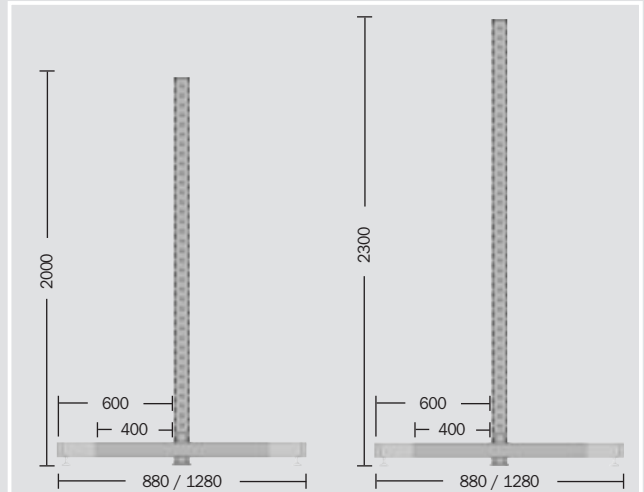
Flat and long material storage



Uprights, single face

Steel, painted silver. With foot and 1 level equalizing screw. System perforation 50:50 mm. Two uprights and two CVI 10 connectors are required for a starter bay. When using 800 mm deep panorama plate horizontal beams, a shelf depth of 715 mm is essential. One foot extension is required per upright to convert the holder depth of 515 mm to 715 mm.

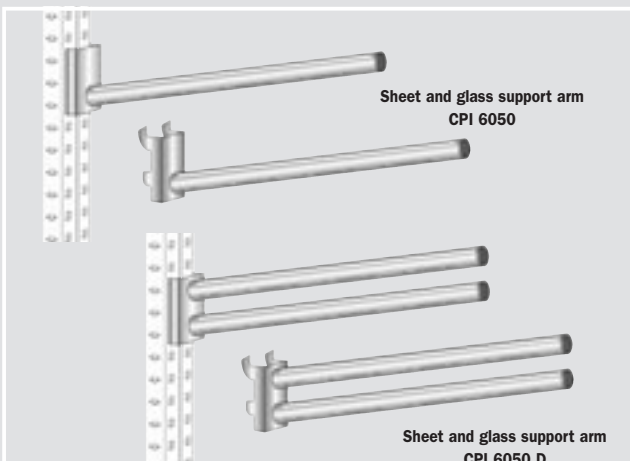
Item	Holder height (mm)	Total depth (mm)	Cross beam length (mm)	Load (kg)	Order no.
CI 80206 E	2000	515	600	400	26000
CI 80208 E		715	800	400	26200
CI 80236 E	2300	515	600	400	26020
CI 80238 E		715	800	400	26220
CIFV 80	Foot extension	200	800		26240



Uprights, double face

Steel, painted silver. With foot and 2 level equalizing screws. System perforation 50:50 mm. Two uprights and two CVI 10 connectors are required for a starter bay. When using 800 mm deep panorama plate horizontal beams, a shelf depth of 715 mm is essential. Two foot extensions are required per upright to convert the holder depth of 515 mm to 715 mm.

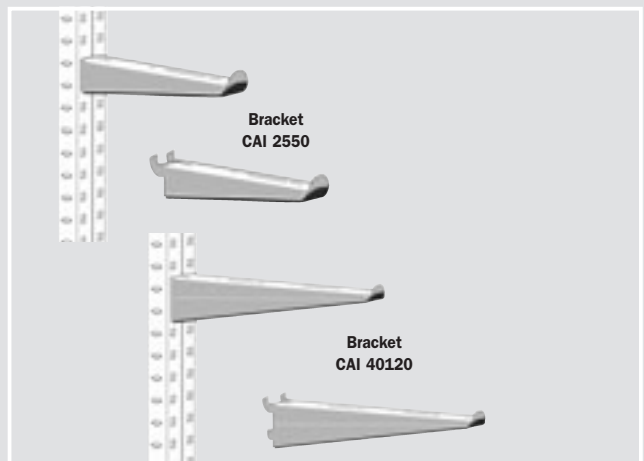
Item	Holder height (mm)	Total depth (mm)	Cross beam length (mm)	Load (kg)	Order no.
CI 80206 D	2000	880	600	600	26010
CI 80208 D		1280	800	600	26210
CI 80236 D	2300	880	600	600	26030
CI 80238 D		1280	800	600	26230
CIFV 80	Foot extension	200	800		26240



Sheet and glass support arm

Steel, painted silver. Cross beams with 1 or 2 plastic-coated rods. With welded connectors. Adjustable in increments of 50:50 mm.

Item	Overhang (mm)	Quantity rods	Load (kg)	Order no.
CPI 6050 E	600	1	20	26300
CPI 6050 D	600	2	40	26110
CPI 8050 E	800	1	20	26310
CPI 8050 D	800	2	40	26320



Brackets

Steel, painted silver. With welded connectors. Adjustable in increments of 50:50 mm. Two brackets are required per storage level.

Item	Overhang (mm)	Load (kg)	Order no.
CAI 2550	250	50	26050
CAI 40120	400	120	26060

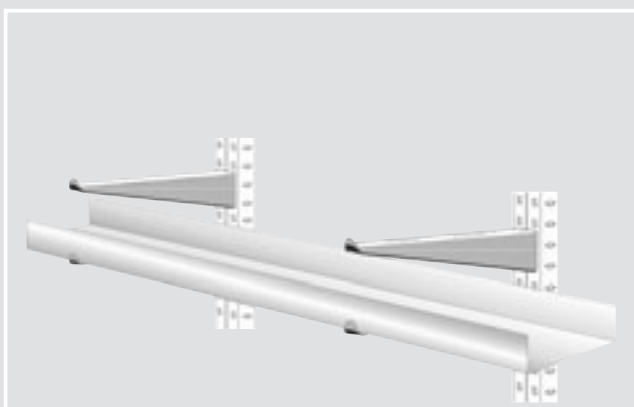
Flat and long material storage



Connectors

Steel, painted silver. Two connectors are required for a starter bay.

Item	Length (mm)	Order no.
CVI 10	1000	26040



Trays

Steel, painted silver. To store long materials. Used with brackets CAI 2550/40120.

Item	L x D x H (mm)	Order no.
CWI 25140	1400 x 250 x 70	26070
CWI 40140	1400 x 400 x 70	26090
CWI 40210	2100 x 400 x 70	26080



Dividing rods

Galvanised sheet steel. The rods are inserted in the holes in the horizontal beams and lock automatically.

Item		Useable height (mm)	Order no.
KRA 4950	Glass parts holder	894	159460
KRA 4105	Glass parts holder	1000	159470

Protective Terodaem coating (no illus.)

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

Item		Order no.
KRT 3102	Terodaem coating, perforated	147340



SILVER



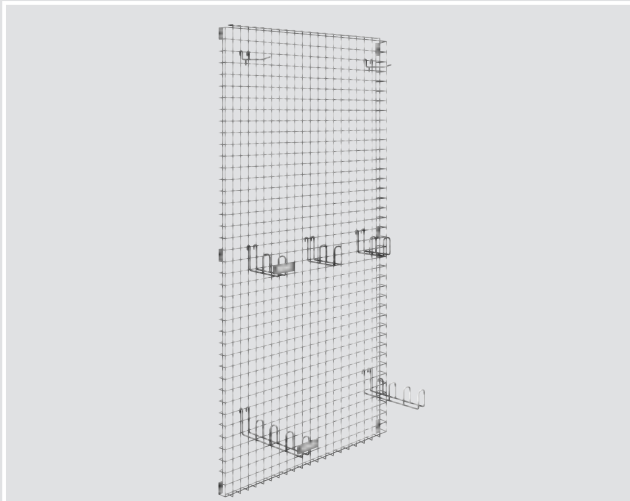
Ornamental parts mesh

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Long material hook

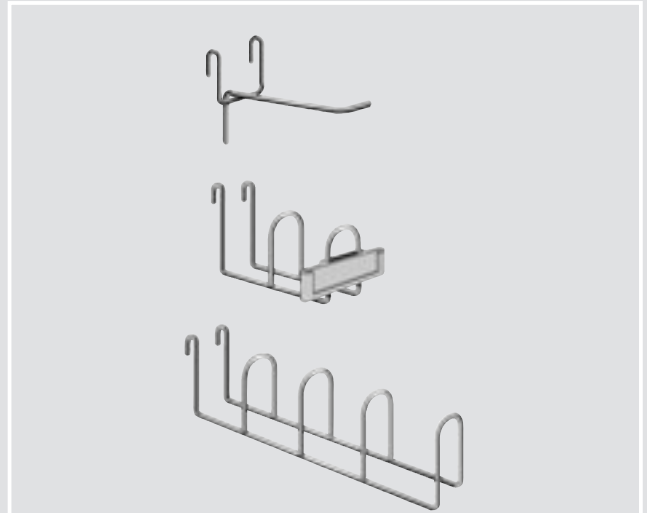
Flat and long material storage



Ornamental parts mesh

Made from steel mesh, mesh size 50 x 50 x 4 mm, painted silver. Incl. fixing clips.

Item	W x H (mm)	Order no.
ZR 210/W	1055 x 2050	11380



Long parts hook

Steel wire, galvanised. Hook for storing long parts and ornamental parts, suspended from ornamental parts mesh.

Item	Depth (mm)	Height (mm)	Finish	Order no.
ZH 1	100	75	Single guide	11600
ZH 2	160	75	Two location hook	11390
ZH 4	350	75	Four location hook	11410

More information on plate and long materials storage

on request

Label holder, labels and protective film

Item	Design	L x W (mm)	Unit	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





Shelving for hazardous goods



Water-permeable shelves

on request

Hazardous goods storage system

Regulation with drip tray and mesh shelves for storing substances hazardous to water conforming to WHG and flammable substances conforming to BetrSichV (Operational Safety Ordinance) and the substances on the positive liquid list conforming to DIN 6601.

Drip trays

The drip tray is securely positioned at the lowest storage level, manufactured according to the following test principles:

- List of building regulations A, part 1, no. 15.22 edition 2002/2 of the German Institute for Construction Engineering
- Ordinance on systems dealing substances hazardous to water and on specialist companies (VawS)
- WHG para. 19h in combination with VawS
- Directive on the requirements for collecting containers made from steel (StawaR)
- DIN 6600, DIN 6601, DIN 6625

Above-ground drip trays made from sheet steel S 350 GD, welded and liquid proof, suitable for substances with a max. density of 1000 kg/m³. A corresponding certificate from RWTÜV has been granted. The observation of the guidelines is documented in the tray nameplate.

Item	Shelf depth (mm)	L x D x H (mm)	Collection vol. (litre)	Order no.
OAW 4400	400	1020/970 x 390 x 120/127	30	97990
OAW 4500	500	1020/970 x 490 x 120/127	38	98150
OAW 4600	600	1020/970 x 590 x 120/127	46	98160
OAW 4800	800	1020/970 x 790 x 120/127	60	97970

Mesh shelves

Mesh shelves, load-bearing capacity 200 kg, shelf depth reduced by approx. 60 mm to optimise the collection of hazardous material dripping down, 30 mm thick, with surrounding raised edge 10 mm higher.

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





GALVANISED



Fixed tyre and wheel storage

Storing tyres and wheel rims has never been so easy and practical.

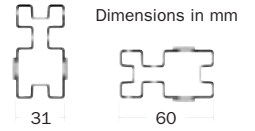
The specially shaped horizontal beams for tyres and wheel trims are simply hung in the prefabricated upright frames without using bolts. They are also designed to reinforce the shelving bay.

The individual levels can be adjusted at any time in increments of 53 mm.

Three bay widths, three shelving heights, five shelving depths and the option of turning single-face shelving into double-faced shelving, or vice versa, at any time, clearly demonstrate the inherent flexibility of this system.

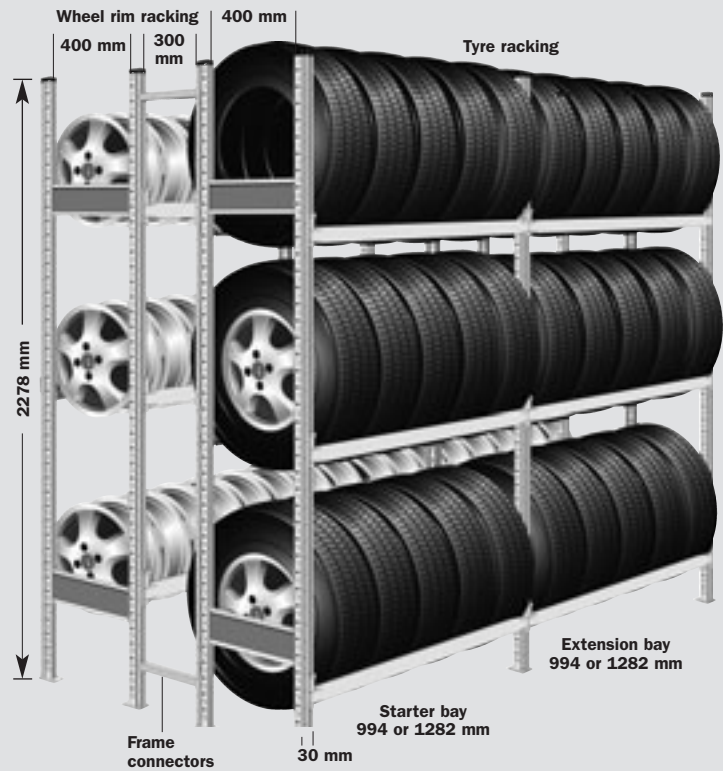
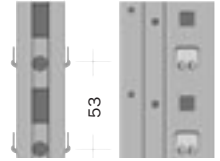
Upright slots

the uprights are slotted at intervals of 53 mm, to position horizontal beams for tyres and wheel rims without using bolts. In this way the heights can be adjusted to fit the size of the tyres and wheel rims



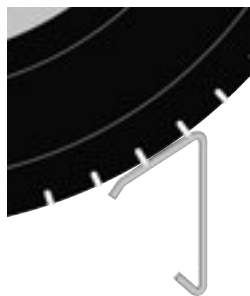
Lug spacing

at the same time there is the option to suspend shelves in the holder lugs (increments of 53 mm) as storage to fully exploit the functional options for using the shelving



► **Horizontal beams for tyres and wheel rims**

Tyres and wheel rims are stored with care thanks to the specially designed SSI SCHAEFER horizontal beamprofile



Fixed tyre and wheel storage

Complete racking for tyres and wheel rims

For approx. 15 to 18 medium-sized tyres per bay. Particularly solid and flexible stacking system. Galvanised sheet steel. Complete units include:

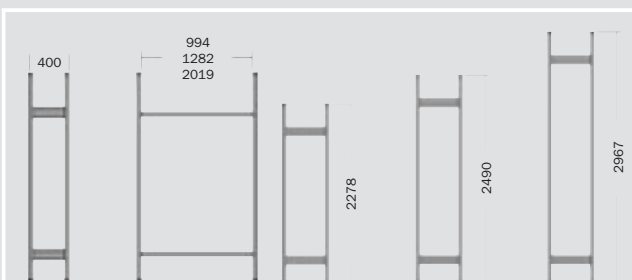
Starter bay: 2 frames and 6 horizontal beams (equivalent to 3 storage levels), 2 frame connectors

Extension bay: 1 frame and 6 horizontal beams (equivalent to 3 storage levels), 1 frame connector

Clear bay width: 994/1282 x H 2278 x D 400 mm

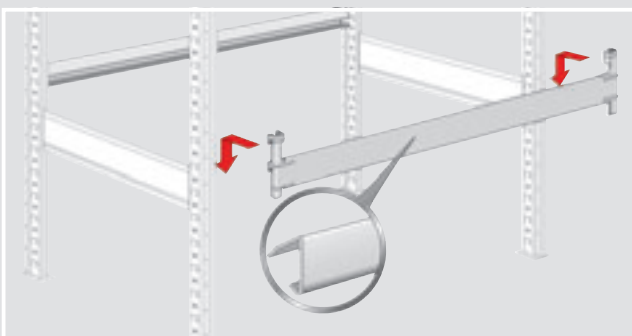
Pitch: 53 : 53 mm

Item	Type	Bay length (mm)	Order no.
RFR 2210 G	Starter bay	994	147900
RFR 2210 A	Extension bay	994	147910
RFR 2213 G	Starter bay	1282	147920
RFR 2213 A	Extension bay	1282	147930



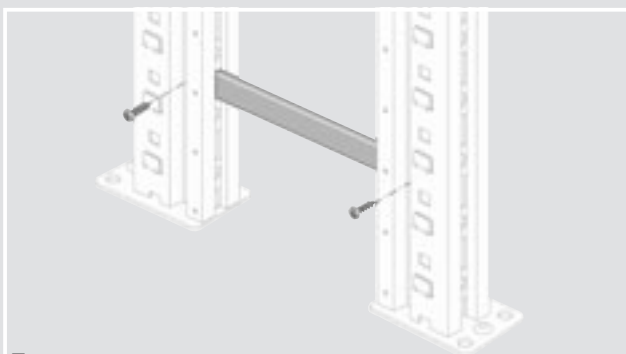
Galvanised upright frames

Item	Shelf height (mm)	Max. shelf depth (mm)	Max. bay load (kg)	Order no.
RR 34322 V	2278	400	3000	144760
RR 34325 V	2490	400	3000	144060
RR 34330 V	2976	400	3000	144110



Horizontal beams for tyres and wheel rims

Item	Clear bay width (mm)	Max. load capacity/pair (kg)	Order no.
RTR 31015	994	100	147220
RTR 31315	1282	100	147230
RTR 32025	2019	200	147240



Frame connectors

Galvanised sheet steel. To connect 2 racking bays positioned one behind the other.

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



- ▶ **Compact storage**
efficient use of space
- ▶ **Optimum anti-friction properties**
even on critical floors
- ▶ **The advantage: tripping hazards avoided**
by using special running gear directly on the available floor

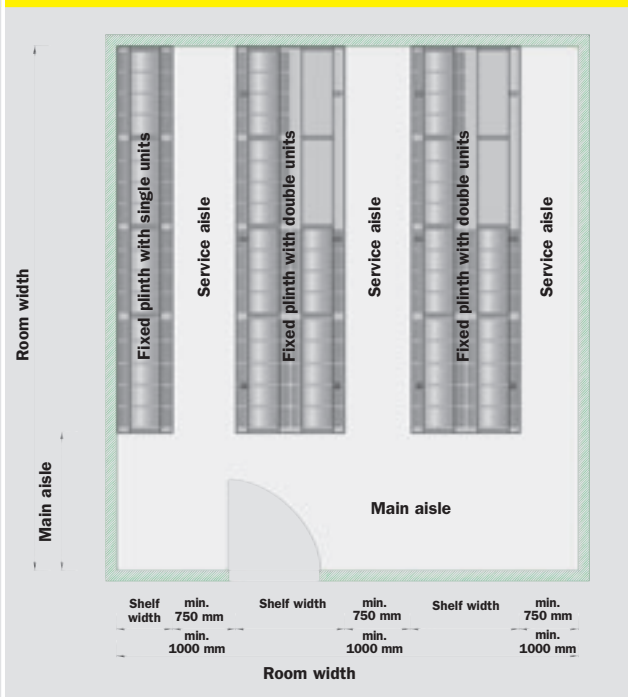
Mobile shelving for tyre and wheel storage

With conventional warehousing fixed shelving is used with a service aisle provided between each shelf. This takes up valuable storage space. Mobile shelving is more cost-effective in the long term.

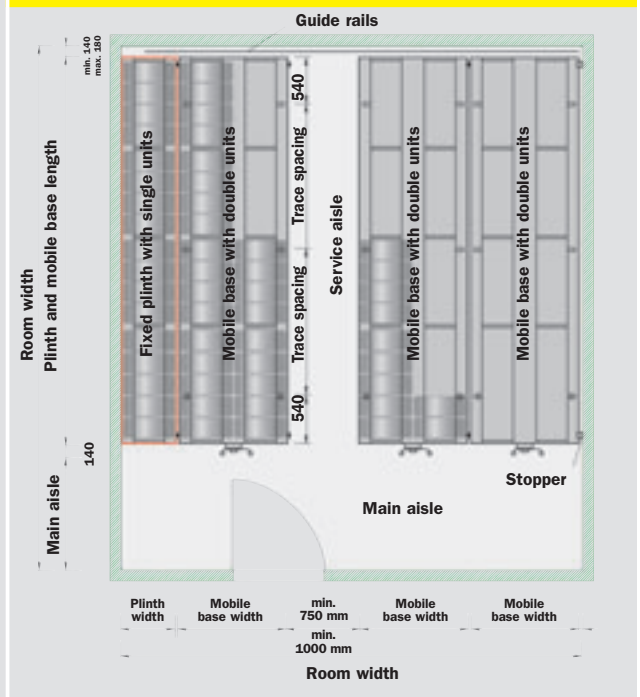
The mobile shelving system requires only one service aisle to be open at any one time, as the shelving units are placed on mobile bases and aisles can be created as needed by shunting.

An increase in valuable storage capacity of up to 85% for single-tier installations and over 100% for multi-tier installations can be achieved with this method.

Fixed shelving system

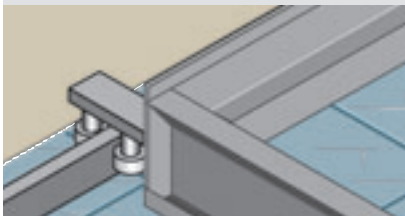


Mobile shelving system



Track-free systems

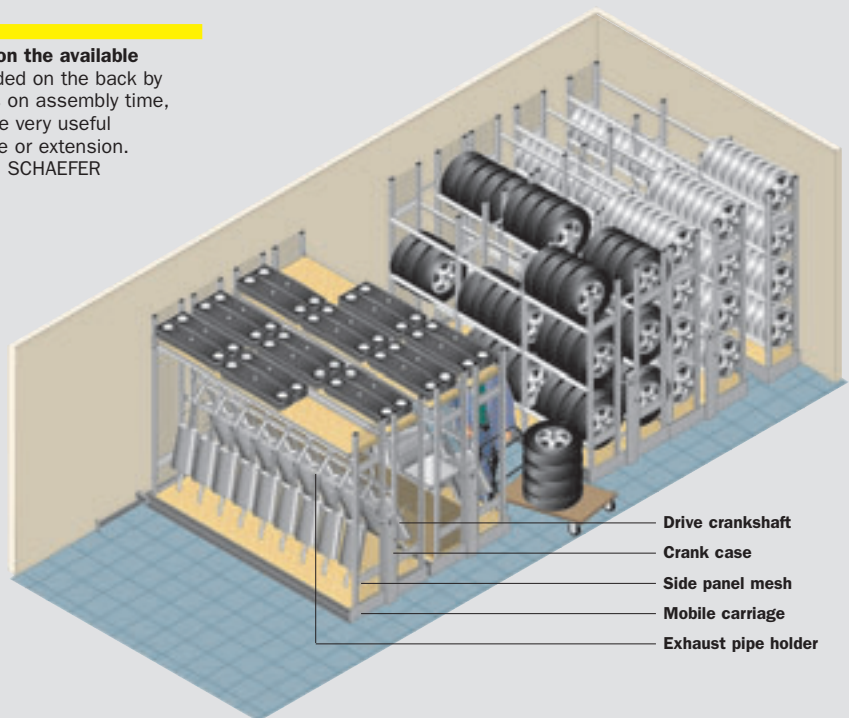
With this system the mobile bases run **directly on the available floor using a special running gear**. They are guided on the back by a small dowel-shaped profile. This system saves on assembly time, is particularly cost-effective and has proved to be very useful when modifications are required, such as a move or extension. All permanent floor surfaces are suitable for SSI SCHAEFER track-free systems.



Track-free design

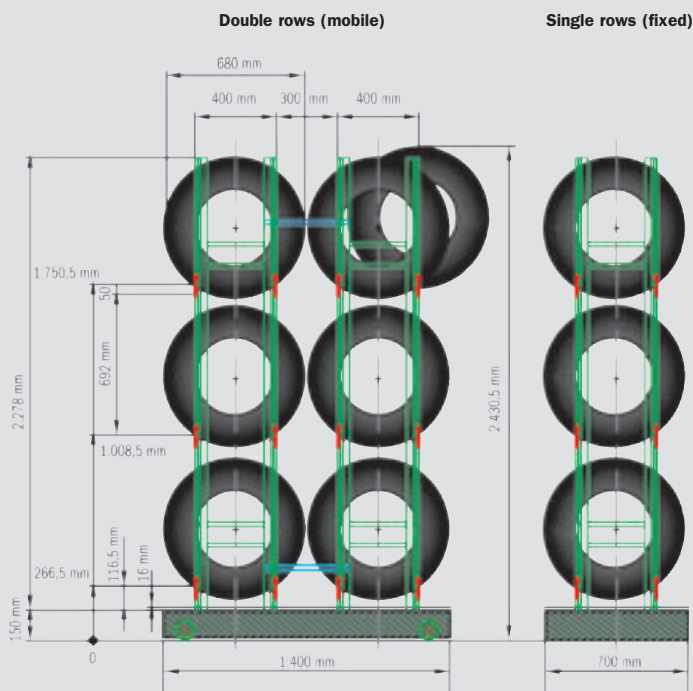


Rear guide profile





Mobile shelving for tyre and wheel storage



R 3000 tyre shelving with mobile base and fixed plinth

With 3 storage levels for tyres. Total height (mobile base + rack) = 2428 mm. Fully fitted with crank drive, guide rails and particle board top cover for mobile base.

Please check that your floor is designed to withstand the load.

Item	Length (mm)	Quantity bays		Max. load capacity (kg)	Quantity tracks	Set tyres (1 set per bay + storage level)	Tyre weight (at 20 kg/item)	Unladen weight approx. (kg)	Total weight tyre storage (kg)	Wheel load with tyre storage (kg)		Order no.
		994 (mm)	1282 (mm)							outside	centre	
Mobile base with double shelving												
VRL-OR 2667-1400-3	2667	-	2	2667	2	12	960	262	1222	305,5	-	189640
VRL-OR 3116-1400-3	3116	3	-	3116	2	18	1440	312	1752	438,1	-	189650
VRL-OR 3980-1400-3	3980	-	3	3980	3	18	1440	378	1818	288,9	331,1	189680
VRL-OR 4429-1400-3	4429	3	1	4429	3	24	1920	428	2348	365,1	443,8	189700
VRL-OR 4717-1400-3	4717	2	2	4717	3	24	1920	450	2370	364,0	456,8	189710
VRL-OR 5293-1400-3	5293	-	4	5000	3	24	1920	493	2413	363,2	480,2	189740
VRL-OR 6030-1400-3	6030	2	3	5000	3	30	2400	565	2965	437,0	608,5	189770
Fixed plinth with single units												
VRL-FR 2667-700-3	2667	-	2	2667	-	6	480	115	595	-	-	189240
VRL-FR 3116-700-3	3116	3	-	3116	-	9	720	138	858	-	-	189250
VRL-FR 3980-700-3	3980	-	3	3980	-	9	720	168	888	-	-	189280
VRL-FR 4429-700-3	4429	3	1	4429	-	12	960	191	1151	-	-	189300
VRL-FR 4717-700-3	4717	2	2	4717	-	12	960	201	1161	-	-	189310
VRL-FR 5293-700-3	5293	-	4	5000	-	12	960	221	1181	-	-	189340
VRL-FR 6030-700-3	6030	2	3	5000	-	15	1200	254	1454	-	-	189370
Fixed plinth with double shelving												
VRL-FR 2667-1400-3	2667	-	2	2667	-	12	960	211	1171	-	-	189440
VRL-FR 3116-1400-3	3116	3	-	3116	-	18	1440	255	1695	-	-	189450
VRL-FR 3980-1400-3	3980	-	3	3980	-	18	1440	308	1748	-	-	189480
VRL-FR 4429-1400-3	4429	3	1	4429	-	24	1920	352	2272	-	-	189500
VRL-FR 4717-1400-3	4717	2	2	4717	-	24	1920	370	2290	-	-	189510
VRL-FR 5293-1400-3	5293	-	4	5000	-	24	1920	405	2325	-	-	189540
VRL-FR 6030-1400-3	6030	2	3	5000	-	30	2400	467	2867	-	-	189570

i Additional lengths, designs and configurations available

on request



R 4000 – the multi-talented shelving system



The versatility of the R 4000 modular shelving system makes it particularly suitable for individual storeroom layouts, since it can be extended to maximise the available space. The strong high-grade steel construction with securely located base and top shelves and full-height uprights offer simple assembly and ease of handling.

With shelving adjustable in increments of 53 mm, the system is particularly suitable for storing small and medium sized items.

The R 4000 shelving system can easily be reconfigured to create countless variations and can also be converted to a multi-tier installation with mezzanines.

The modular shelving systems including mezzanine platforms have been given the test certificate to display the “GS” sign according to the guidelines for storage facilities and devices BGR 234 (formerly ZH 1/428).





The bolt-free system

The R 4000 modular shelving system is an extendible, bolt-free design available in bay widths of 995 and 1283 mm.

The shelving bays consist of base and top shelves with full-height uprights. All parts are simply locked together.

As the R 4000 consists of very few components, the system can be quickly and easily erected.

The extensive range of accessories is suitable for both the starter and extension bays.

With its sturdy steel construction, countless easily re-configurable variations and simple assembly, the R 4000 will more than meet your requirements.

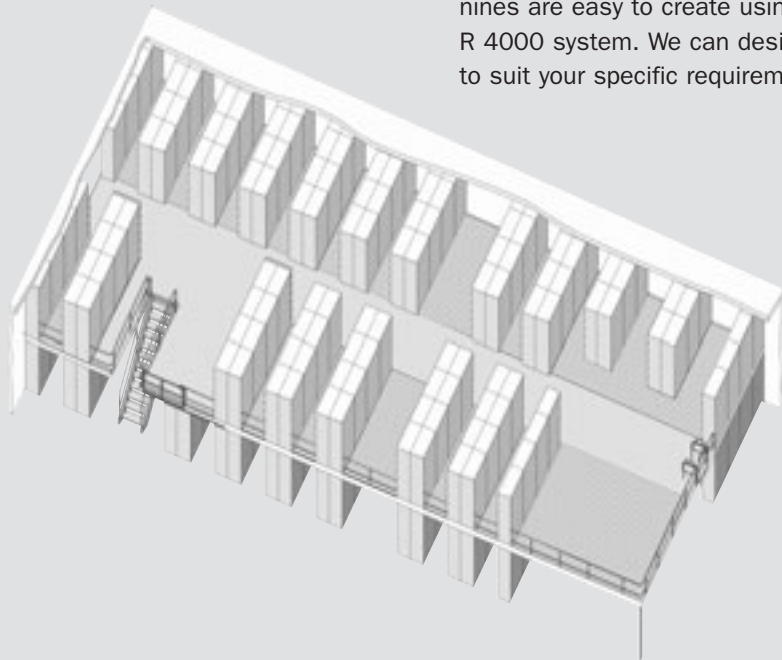
The R 4000 shelving rows must all begin with a starter bay. Every shelving row must have a starter bay, to which extension bays can be added to the right or left.

Each additional extension bay is then attached to the adjacent bay using the same principle. All starter and top shelves are clipped together.

In order to stabilise the shelving longitudinally, a cross brace must be fitted to the first and every third bay thereafter.

- ▶ **Bolt-free system**
- ▶ **Rapid assembly**
- ▶ **Upright profile**
with 53 mm lug spacing
- ▶ **Extension system**
bay lengths 995 and 1283 mm, shelving depths 300, 400, 500, 600, 800 and 1000 mm
- ▶ **Various configurations**
with extensive range of accessories including shelves, panels, drawers and doors
- ▶ **Euro size modules**
- ▶ **Sturdy construction**
- ▶ **Multi-tier installations**

Multi-tier installations with mezzanines are easy to create using the R 4000 system. We can design one to suit your specific requirements.



Single-face starter bay:

One base shelf, four uprights and one top shelf.

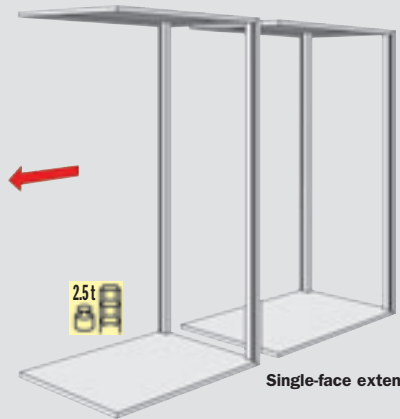


Single-face extension bay:

One extension base shelf, two uprights and one extension top shelf.



Single-face starter bay



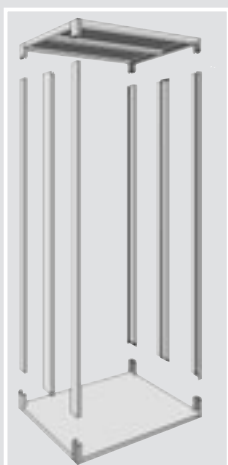
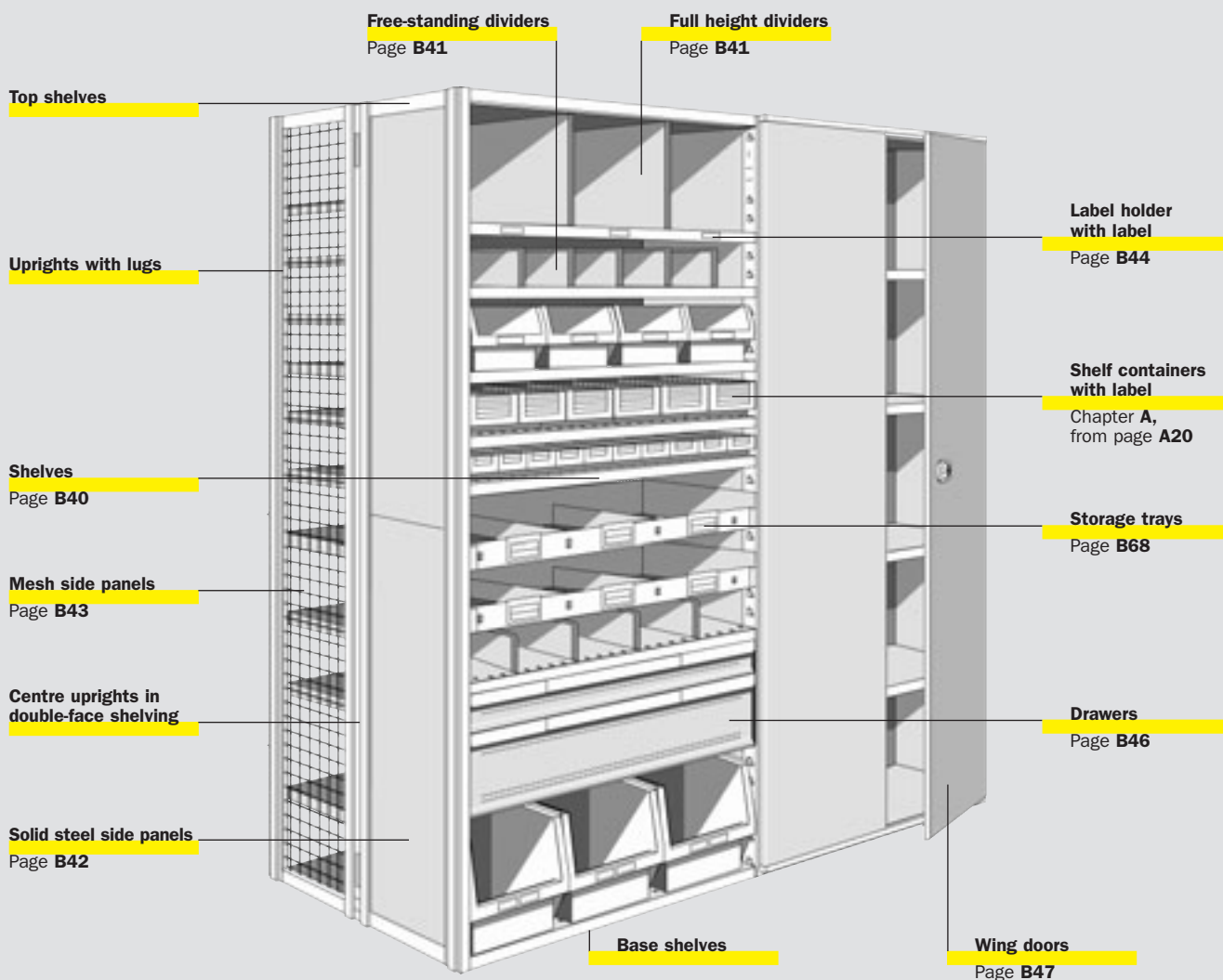
Single-face extension bay
Single-face extension bay



Multi-tier installations

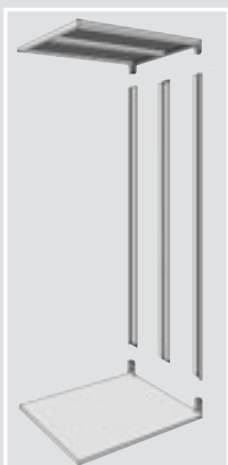
on request

The range of accessories



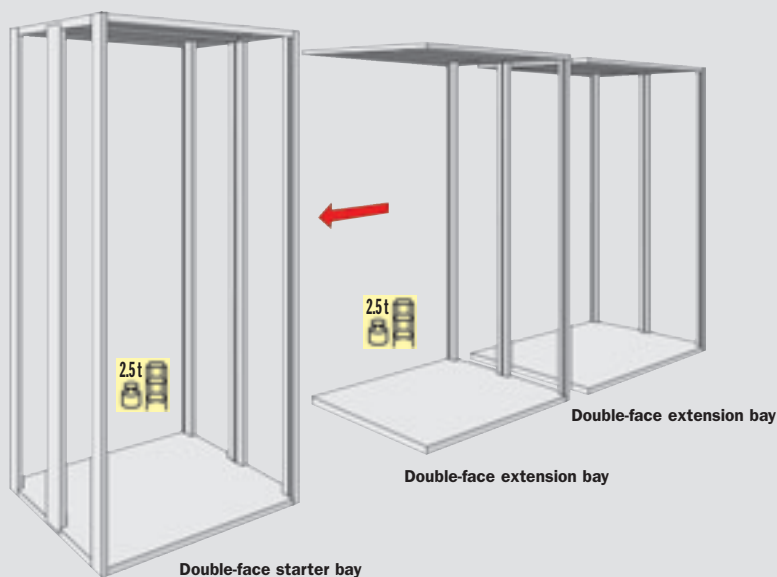
Double-face starter bay:

One base shelf, four base uprights, two centre uprights and one top shelf.



Double-face extension bay:

One extension base shelf, two starter uprights, one center upright and one extension top shelf.

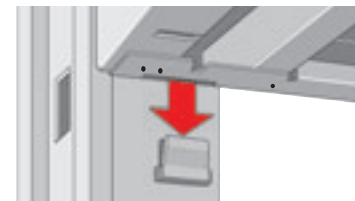
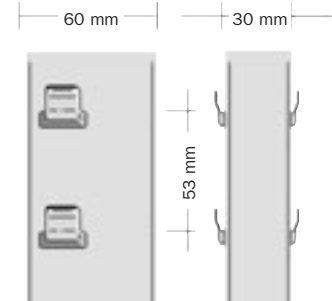
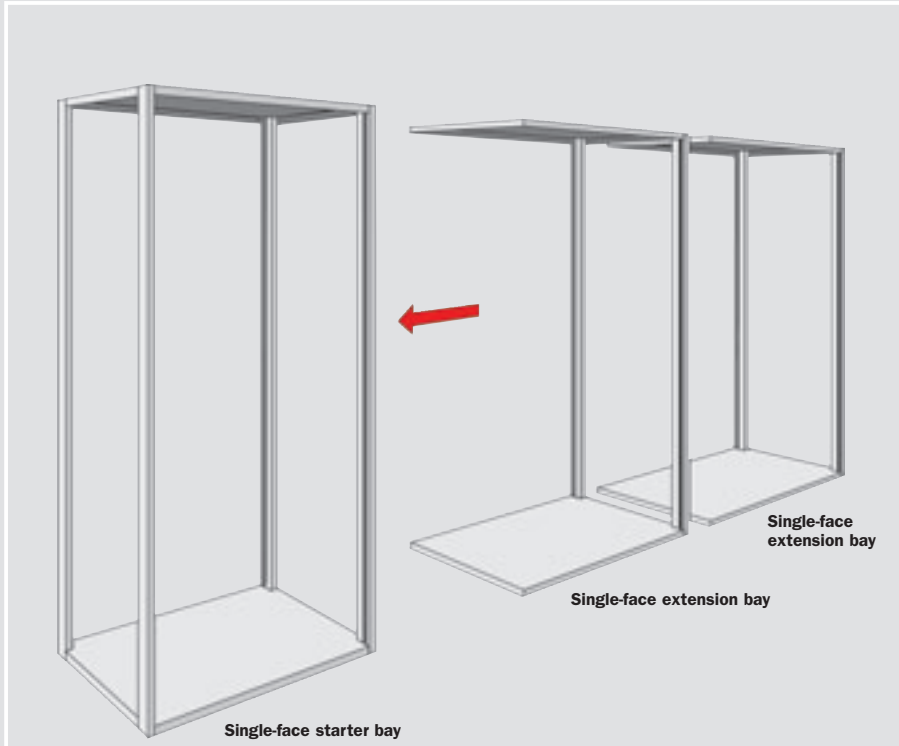




Single-face shelving in bay widths 995 and 1283 mm

► Lug spacing

the lug spacing of the uprights enables the R 4000 to be flexibly configured using an extensive range of accessories. The shelves can be inserted by engaging in the lugs as required (lug pitch 53 mm)



With SSI SCHAEFER shelves, the end section is firmly located against the upright post. In conjunction with additional spot welding, this makes the shelves particularly strong and resistant to twisting, thus ensuring additional stability.

Starter bay

Shelf width 1055 mm, bay width 995 mm.

Item	Height (mm)	Shelf depth (mm)	Base load capacity, max. (kg)	Order no.
GR 4302 G	2171	300	200	26800
GR 4402 G	2171	400	200	26820
GR 4502 G	2171	500	200	26840
GR 4504 G	2171	500	400	26860
GR 4602 G	2171	600	200	26880
GR 4804 G	2171	800	400	26160
GR 4322 G	2500	300	200	26805
GR 4422 G	2500	400	200	26825
GR 4522 G	2500	500	200	26845
GR 4524 G	2500	500	400	26865
GR 4622 G	2500	600	200	26885
GR 4824 G	2500	800	400	26165

Extension bay

Shelf width 1025 mm, bay width 995 mm.

Item	Height (mm)	Shelf depth (mm)	Base load capacity, max. (kg)	Order no.
GR 4302 A	2171	300	200	26810
GR 4402 A	2171	400	200	26830
GR 4502 A	2171	500	200	26850
GR 4504 A	2171	500	400	26870
GR 4602 A	2171	600	200	26890
GR 4804 A	2171	800	400	26170
GR 4322 A	2500	300	200	26815
GR 4422 A	2500	400	200	26835
GR 4522 A	2500	500	200	26855
GR 4524 A	2500	500	400	26875
GR 4622 A	2500	600	200	26895
GR 4824 A	2500	800	400	26175

Starter bay

Shelf width 1343 mm, bay width 1283 mm.

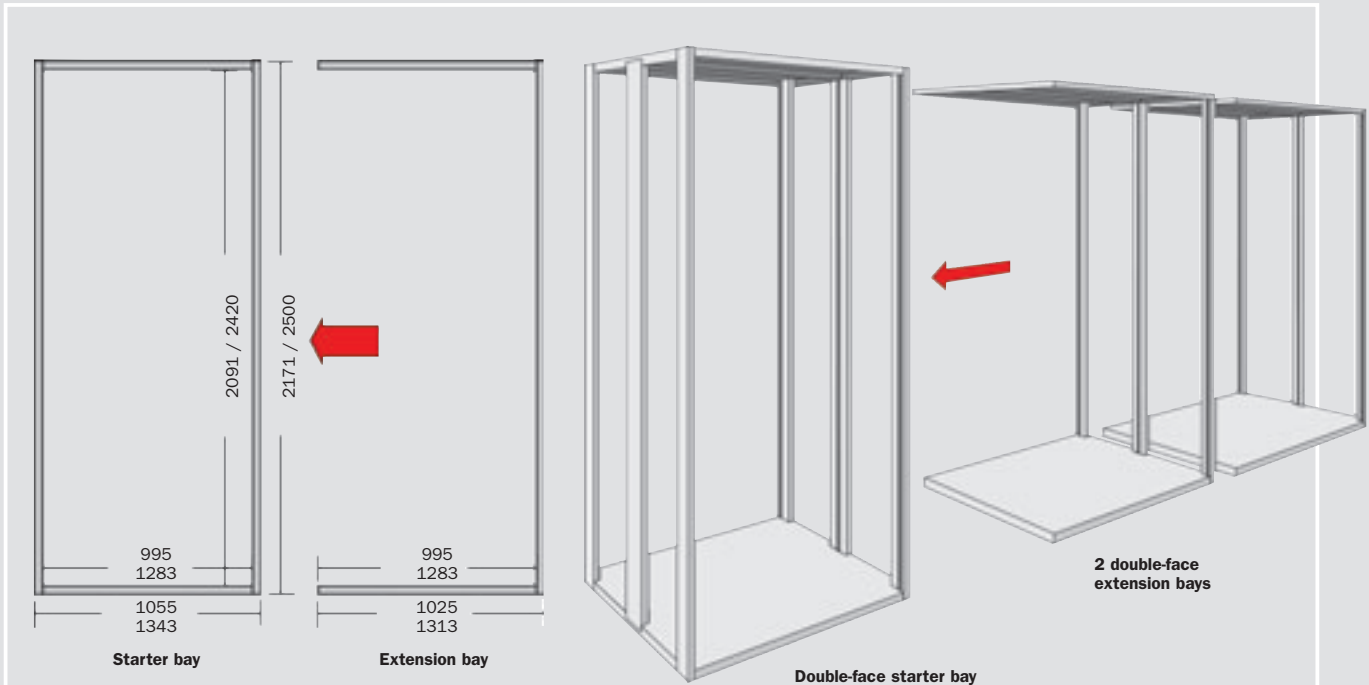
Item	Height (mm)	Shelf depth (mm)	Base load capacity, max. (kg)	Order no.
GR 9401 G	2171	400	150	38000
GR 9501 G	2171	500	150	38020
GR 9502 G	2171	500	250	38040
GR 9601 G	2171	600	150	38060
GR 9602 G	2171	600	250	38080
GR 9421 G	2500	400	150	38005
GR 9521 G	2500	500	150	38025
GR 9522 G	2500	500	250	38045
GR 9621 G	2500	600	150	38065
GR 9622 G	2500	600	250	38085

Extension bay

Shelf width 1313 mm, bay width 1283 mm.

Item	Height (mm)	Shelf depth (mm)	Base load capacity, max. (kg)	Order no.
GR 9401 A	2171	400	150	38010
GR 9501 A	2171	500	150	38030
GR 9502 A	2171	500	250	38050
GR 9601 A	2171	600	150	38070
GR 9602 A	2171	600	250	38090
GR 9421 A	2500	400	150	38015
GR 9521 A	2500	500	150	38035
GR 9522 A	2500	500	250	38055
GR 9621 A	2500	600	150	38075
GR 9622 A	2500	600	250	38095

Double-face shelving in bay widths 995 and 1283 mm



i Other heights available for R4000 modular shelving on request

Starter bay

Shelf width 1055 mm, bay width 995 mm.

Item	Height (mm)	Shelf depth (mm)	Base load capacity, max. (kg)	Order no.
GR 4604 GD	2171	600	400	26900
GR 4804 GD	2171	800	400	26920
GR 4104 GD	2171	1000	400	26940
GR 4624 GD	2500	600	400	26905
GR 4824 GD	2500	800	400	26925
GR 4124 GD	2500	1000	400	26945

Extension bay

Shelf width 1025 mm, bay width 995 mm.

Item	Height (mm)	Shelf depth (mm)	Base load capacity, max. (kg)	Order no.
GR 4604 AD	2171	600	400	26910
GR 4804 AD	2171	800	400	26930
GR 4104 AD	2171	1000	400	26950
GR 4624 AD	2500	600	400	26915
GR 4824 AD	2500	800	400	26935
GR 4124 AD	2500	1000	400	26955

Starter bay

Shelf width 1343 mm, bay width 1283 mm.

Item	Height (mm)	Shelf depth (mm)	Base load capacity, max. (kg)	Order no.
GR 9803 GD	2171	800	300	39160
GR 9823 GD	2500	800	300	39165

Extension bay

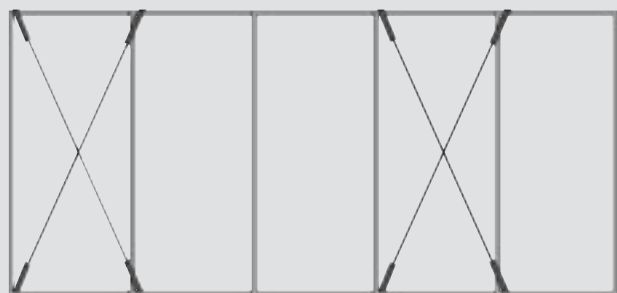
Shelf width 1313 mm, bay width 1283 mm.

Item	Height (mm)	Shelf depth (mm)	Base load capacity, max. (kg)	Order no.
GR 9803 AD	2171	800	300	39170
GR 9823 AD	2500	800	300	39175

Cross braces

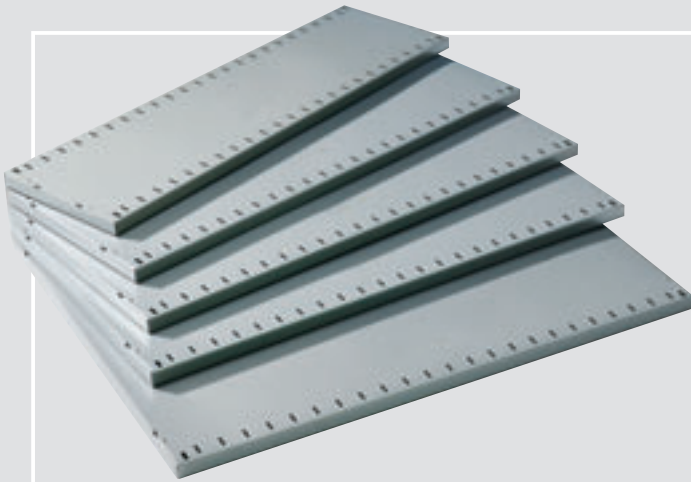
A cross brace must be secured to the back of the first and every third bay thereafter to stabilise the shelving. Cross braces are fitted to the middle of double units.

Item	Height (mm)	Bay length (mm)	Order no.
KVG 4002	2171	995	26620
KVG 9002	2171	1283	26640
KVG 4025	2500	995	26630
KVG 9025	2500	1283	26650

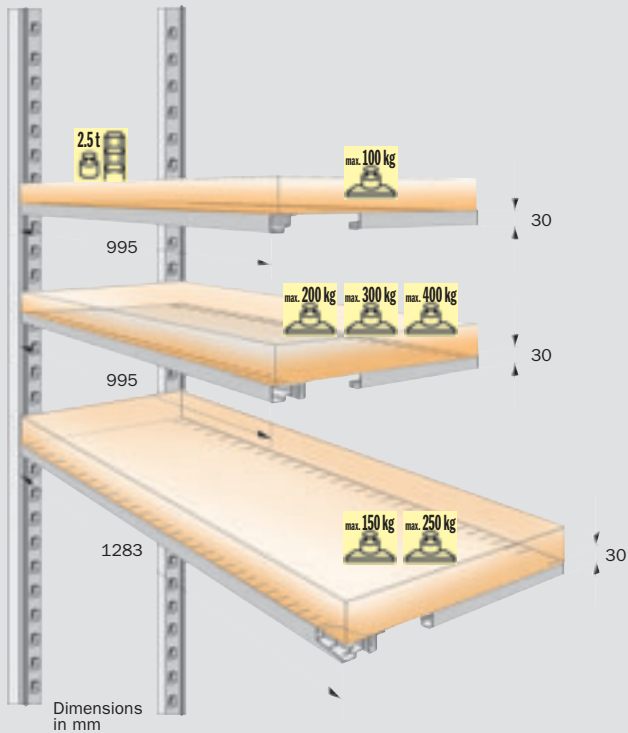


Back view of cross bracing

Shelves



i Shelves for 1283 mm x 300 mm, max. load 80 kg
ZB 1301308 I / ZB 1301308 v Page **B5**



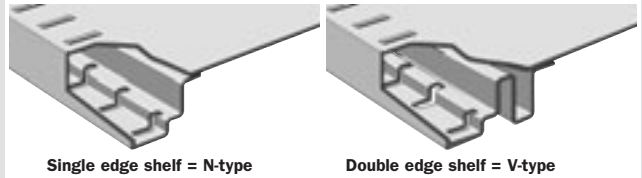
Dimensions in mm

i Shelf containers for modular shelving see page **A20**



Shelves

Sheet steel, either painted silver or galvanised, 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. For a continuous shelf area of double units 600, 800 and 1000 mm deep, each unit requires two base shelves



Base shelves for bay width 995 mm, thickness 30 mm

Sheet steel, painted silver or galvanised.

Item	Shelf depth (mm)	Base load max. (kg)	Edge design	Finish	Order no.
ZB 4313 V	300	100	N	Galvanised	27002
ZB 4313 L	300	100	N	Painted finish	27000
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 galvanised.

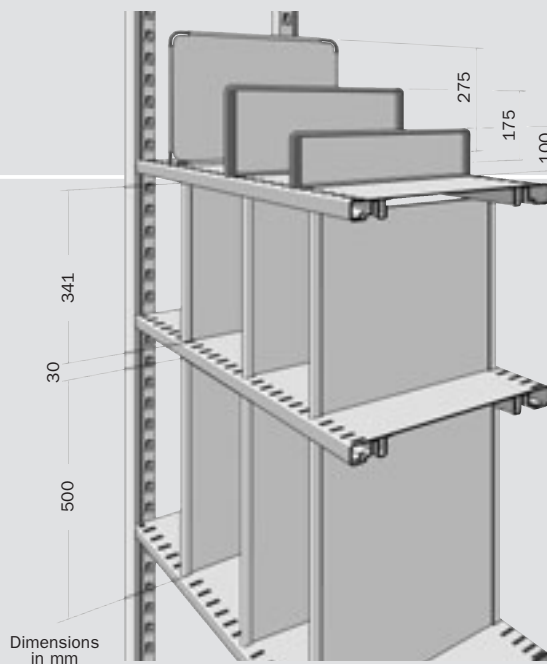
ZB 9415 V	400	150	V	Galvanised	38102
ZB 9415 L	400	150	V	Painted finish	38100
ZB 9515 V	500	150	V	Galvanised	38112
ZB 9515 L	500	150	V	Painted finish	38110
ZB 9525 V	500	250	V	Galvanised	38122
ZB 9525 L	500	250	V	Painted finish	38120
ZB 9615 V	600	150	V	Galvanised	38132
ZB 9615 L	600	150	V	Painted finish	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

Accessories – system components

Full-height dividers for 30 mm shelves

Galvanised sheet steel.

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



Freestanding dividers for 30 mm shelving

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.

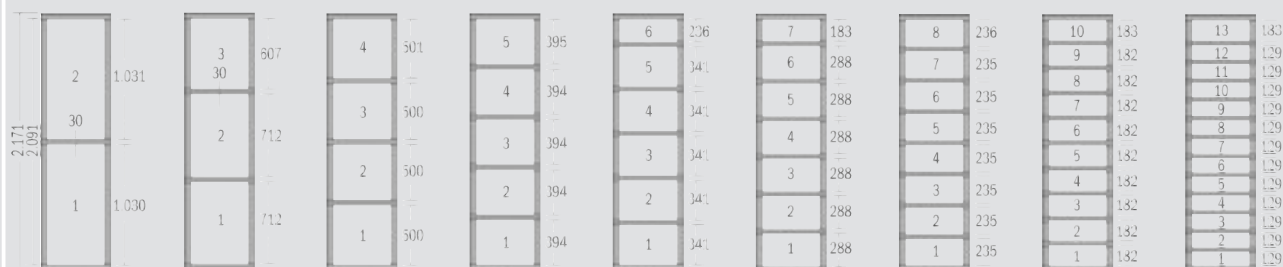
For intermediate shelves

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

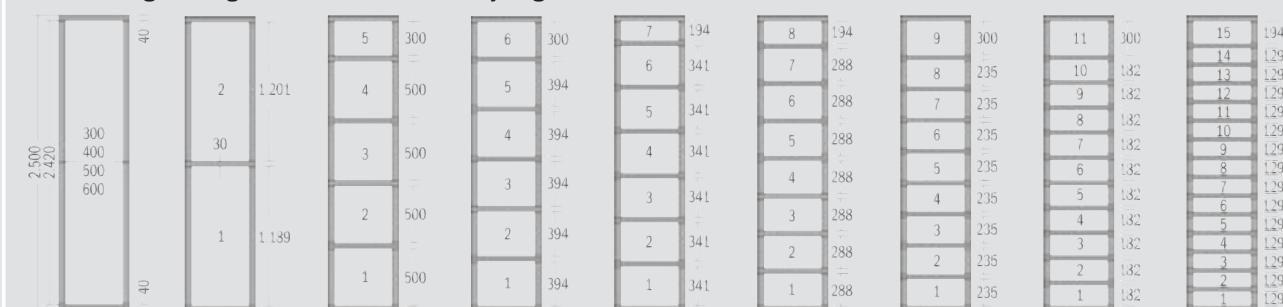
For base and top shelves

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

Division heights using intermediate shelves for bay height 2171 mm

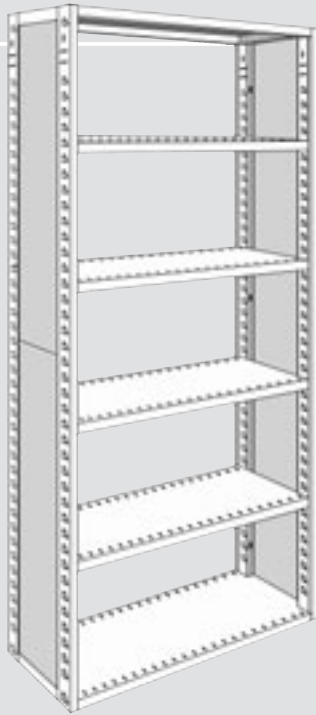


Division heights using intermediate shelves for bay height 2500 mm





Shelving components and accessories



Solid steel side panels

Galvanised sheet steel. Also available painted for starter and end bays. Side panels are clipped between the corner uprights, or between the corner and centre uprights in the case of double units, and then locked into the four recesses provided on each side.

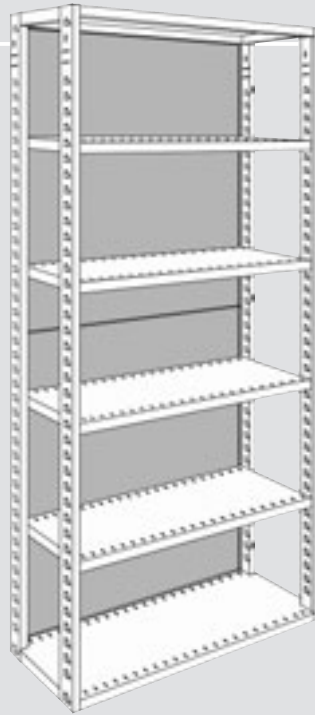
Two matching pairs of side panels are required for double units 600, 800 or 1000 mm deep.

For height 2171 mm

Item	Shelf depth (mm)	Design	Order no.
SW 4310 V	300	Galvanised	26461
SW 4310 L	300	Painted finish	26460
SW 4410 V	400	Galvanised	26471
SW 4410 L	400	Painted finish	26470
SW 4510 V	500	Galvanised	26481
SW 4510 L	500	Painted finish	26480
SW 4610 V	600	Galvanised	26491
SW 4610 L	600	Painted finish	26490
SW 4810 V	800	Galvanised	27591
SW 4810 L	800	Painted finish	27590

For height 2500 mm

SW 4312 V	300	Galvanised	26465
SW 4312 L	300	Painted finish	26462
SW 4412 V	400	Galvanised	26475
SW 4412 L	400	Painted finish	26472
SW 4512 V	500	Galvanised	26485
SW 4512 L	500	Painted finish	26482
SW 4612 V	600	Galvanised	26495
SW 4612 L	600	Painted finish	26492
SW 4812 V	800	Galvanised	27595
SW 4812 L	800	Painted finish	27592



Solid steel back panels

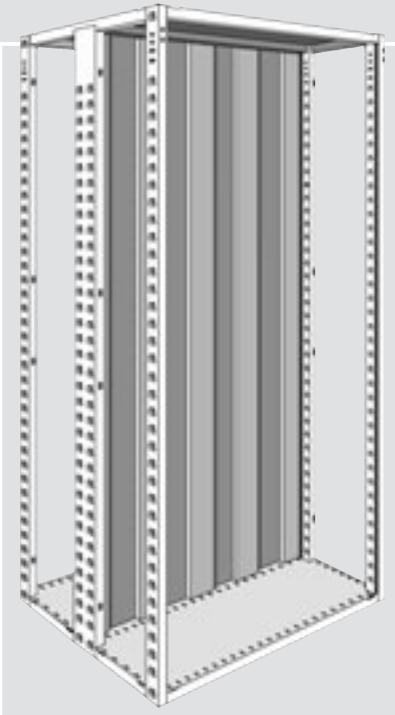
Sheet steel, painted silver. The 2 halves of the back panel are of different heights, and are secured to the lugs in the uprights with spring clips. The folded edges forming the centre joint are bolted together.

For bay width 995 mm

Item	Height (mm)	Design	Order no.
RWE 4000	2171	Single height	27600
RWZ 4000		Double height	27610
RWE 4000	2500	Single height	27600
RWZ 4025		Double height	27615

For bay width 1283 mm

RWE 9001	2171	Single height	38160
RWZ 9001		Double height	38170
RWE 9001	2500	Single height	38160
RWZ 9025		Double height	38175



Sectional centre panels

Galvanised sheet steel. For central mounting in double shelving. Assembly between the centre uprights. Cannot be used without intermediate shelves for support.

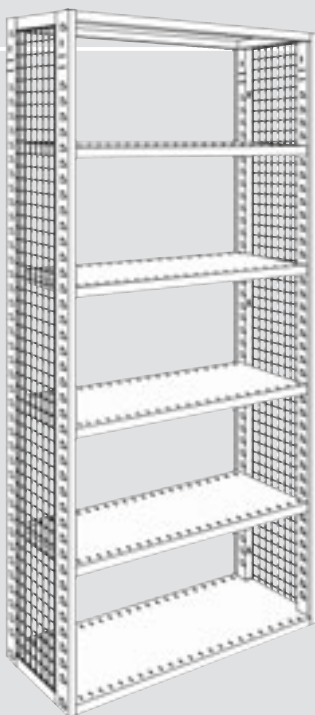
For bay width 995 mm, 3 parts

Item	Height (mm)	Order no.
MW 4000	2171	27650
MW 4025	2500	27655

For bay width 1283 mm, 4 parts

MW 9002	2171	38180
MW 9025	2500	38185

Shelving components and accessories



Mesh side panels

Steel wire, painted silver, 50 mm mesh. Located in the slots in the base and top shelves and secured with clips.

In the case of 600 mm double units, 2 x 300 mm mesh panels are required, for 800 mm double units, 2 x 400 mm mesh panels and for 1000 mm double units, 2 x 500 mm mesh panels need to be ordered.

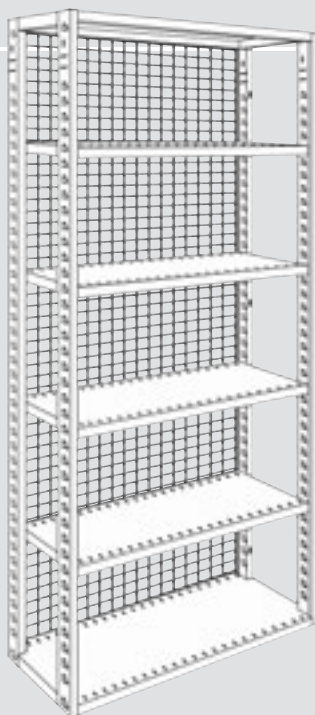
Clips are included.

For height 2171 mm

Item	Shelf depth (mm)	Order no.
SWG 4300	300	27700
SWG 4400	400	27710
SWG 4500	500	27720
SWG 4600	600	27730
SWG 4800	800	27690

For height 2500 mm

SWG 4302	300	27705
SWG 4402	400	27715
SWG 4502	500	27725
SWG 4602	600	27735
SWG 4802	800	27695



Mesh back panels

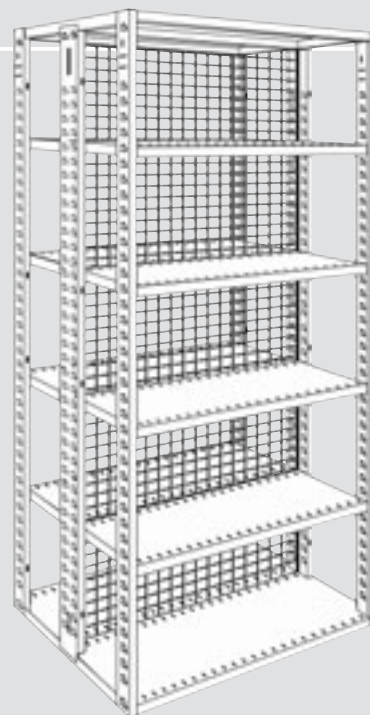
Steel wire, painted silver, 50 mm mesh. Fit into slots in the top shelf and base rail (U-profile) and fasten at the side with clips. Clips and U-profiles included.

For bay width 995 mm

Item	Height (mm)	Order no.
RWG 4000	2171	27500
RWG 4025	2500	27505

For bay width 1283 mm

RWG 9000	2171	37870
RWG 9025	2500	37875



Mesh centre panels

Steel wire, painted silver, for assembly in double shelving. Mesh centre panels are inserted at the top centre into the top shelf. Fixing to the base with four plastic clips and to the centre uprights using clips. Plastic and metal clips are included.

For bay width 995 mm

Item	Height (mm)	Order no.
MWG 4000	2171	27670
MWG 4025	2500	27675

For bay width 1283 mm

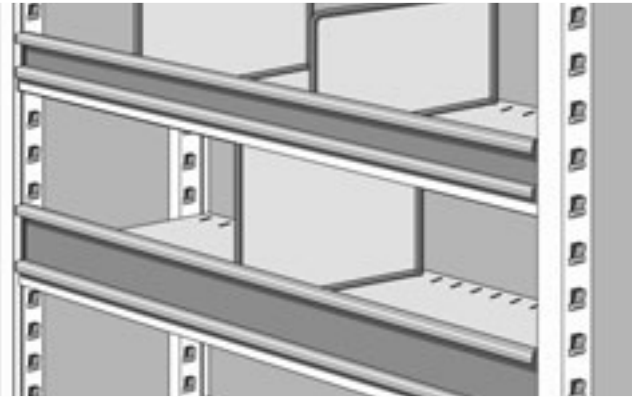
MWG 9000	2171	27680
MWG 9025	2500	27685

Accessories

Bin fronts

Galvanised sheet steel, for storing small, loose items. Designed especially for use in conjunction with dividers, centre, back and side panels.

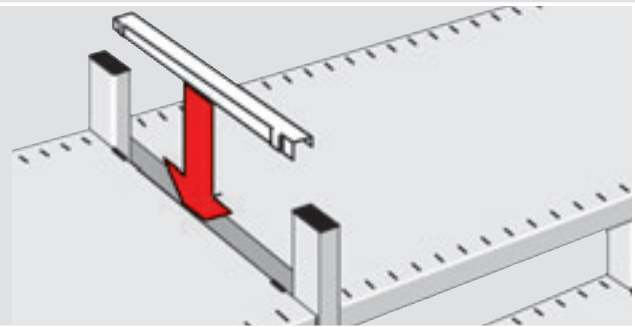
Item	Bay length (mm)	Rail height (mm)	Order no.
VL 4001	995	40	27760
VL 4000	995	85	27750
VL 9001	1283	40	37850
VL 9000	1283	85	37860



Infill pieces (bridging strips)

Galvanised sheet steel. These are used to fill the gap between the uprights.

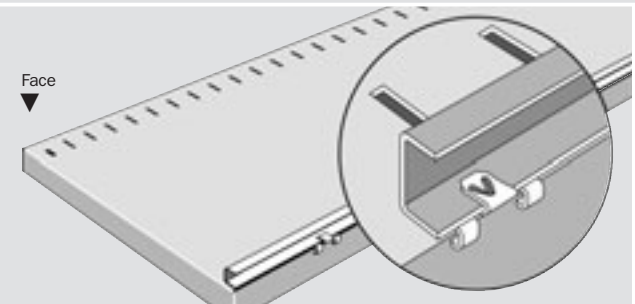
Item	Shelf depth (mm)	Order no.
BL 4300	300	28100
BL 4400	400	28110
BL 4500	500	28120
BL 4600	600	28130
BL 4800	800	13470



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



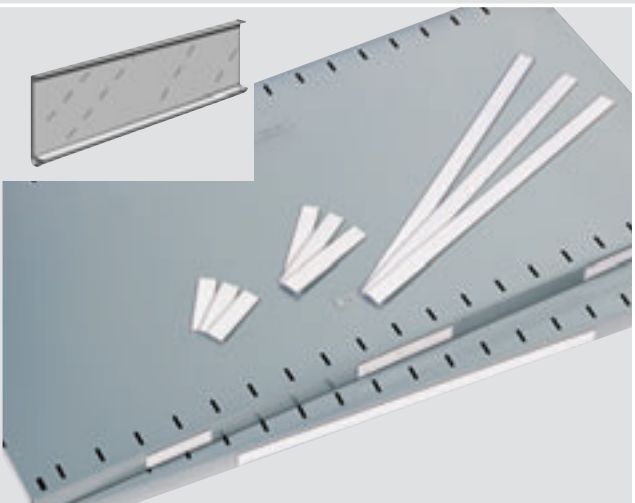
Label holder

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 and oil collection system

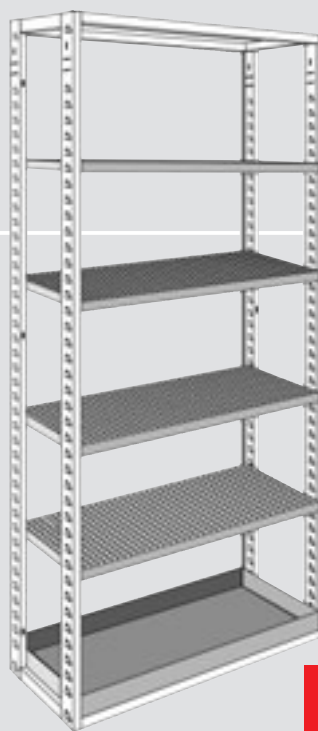
Hazardous goods storage system

Regulation with drip tray and mesh shelves for storing substances hazardous to water conforming to WHG and flammable substances conforming to BetrSichV (Operational Safety Ordinance) and the substances on the positive liquid list conforming to DIN 6601.

The drip tray is securely positioned at the lowest storage level, manufactured according to the following test principles:

- List of building regulations A, part 1, no. 15.22 edition 2002/2 of the German Institute for Construction Engineering
- Ordinance on systems dealing substances hazardous to water and on specialist companies (VawS)
- WHG para. 19h in combination with VawS
- Directive on the requirements for collecting containers made from steel (StawaR)
- DIN 6600, DIN 6601, DIN 6625

Above-ground drip trays made from steel S 350 GD, welded and liquid proof, suitable for substances with a max. density of 1000 kg/m³. A corresponding certificate from RWTÜV has been granted. The observation of the guidelines is documented in the tray nameplate.



i Water-permeable shelves

on request

Drip trays

Item	Shelf depth (mm)	L x D x H (mm)	Collection vol. (litre)	Order no.
OAW 4400	400	1020/970 x 390 x 120/127	30	97990
OAW 4500	500	1020/970 x 490 x 120/127	38	98150
OAW 4600	600	1020/970 x 590 x 120/127	46	98160
OAW 4800	800	1020/970 x 790 x 120/127	60	97970

Mesh 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

Lug covers

Made from plastic. These covers are fitted over the lugs on the uprights and secured with metal clips.

Item	Order no.
RA 4000	28000



Aisle marking

For longitudinal and cross aisle marking, self adhesive clear film with removable labels

Item	Unit	Order no.
GB	10	27850



Floor fixing

To stabilise single bays. Angle piece, S 6 dowel, 4.5 x 40 mm screw.

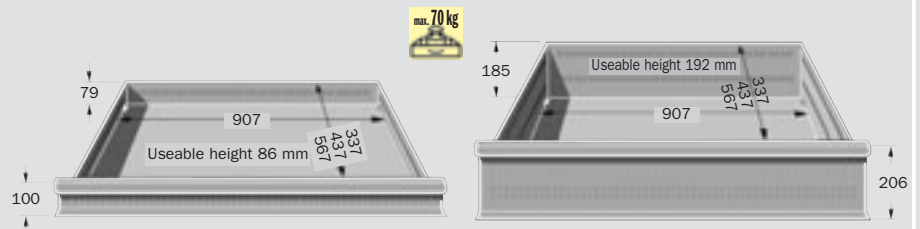
Item	Order no.
BBF	27892





► **Stability when using drawers**
in accordance with the guidelines for storage installations and equipment BGR 234 (formerly ZH 1/428) to ensure stability of drawers without pull-out stops, special stops, e.g. connecting the shelves to one another or using suitable components should be used

Drawers and accessories



Drawers for bay width 994 mm

Sheet steel, painted silver. Drawers can be used in conjunction with two wing door sets.

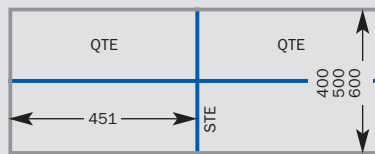
Side infill panels

Cover the space between the uprights and the drawer. Fitted to the left and right of the drawer front using self-tapping screws.

Item	Fascia height (mm)	For shelf depth (mm)	Useful depth (mm)	Max. load (kg)	Order no.
ESCH 4410	100	400	337	70	26680
ESCH 4510	100	500	437	70	27951
ESCH 4610	100	600	567	70	27971
SBL-ESCH 4100	Matching side panels				28260
ESCH 4420	206	400	337	70	26690
ESCH 4520	206	500	437	70	27961
ESCH 4620	206	600	567	70	27981
SBL-ESCH 4200	Matching side panels				28270

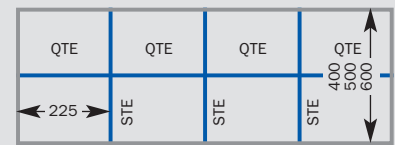
Drawer dividers

Drawer dividers allow the user to fully customise the drawer compartment. They are fitted with plastic mountings, which are inserted in the rows of perforations in the fronts and sides of the drawers. Drawer dividers enable the drawer to be divided into compartment widths of 451, 225 and 112 mm. Variations in compartment depth can be achieved using adjustable cross dividers. Without cross dividers, the full drawer depth is useable, and customised drawer lengths are available.



Four divisions, 1 x STE and 2 x QTE

Item	For drawers	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



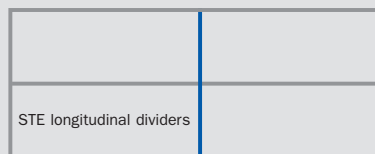
Eight divisions, 3 x STE and 4 x QTE

Item	For drawers	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



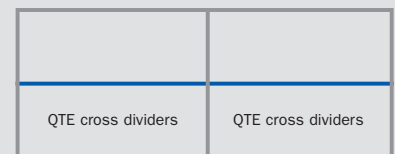
Sixteen divisions, 7 x STE and 8 x QTE

Item	For drawers	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



Longitudinal dividers

Item	Fascia height (mm)	Order no.
STE 5010	100	29880
STE 5020	206	29881
STE 6010	100	29882
STE 6020	206	29883
QTE/STE	Divider holder	6000349

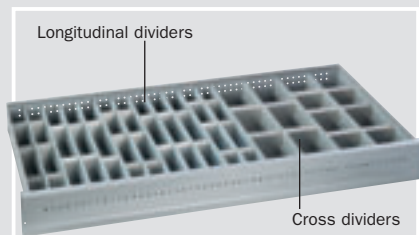


Cross dividers

Item	Division	Fascia 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



Drawer dividers and wing door sets

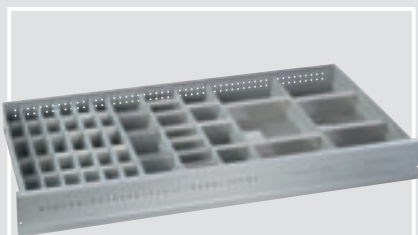


Combination A

Only for drawer ESCH 4510.

12 longitudinal dividers W 46,5 mm and 30 transverse dividers; 4 longitudinal dividers W 93 mm and 10 transverse dividers.

Item	Cabinet D (mm)	Division H (mm)	Order no.
SUW 5003 A	500	36	35220
SUW 5006 A	500	66	35221



Combination B

Only for drawer ESCH 4510.

6 longitudinal dividers W 46,5 mm und 24 cross dividers; 3 longitudinal dividers W 93 mm and 12 cross dividers; 2 longitudinal dividers W 186 mm and 4 cross dividers.

Item	Cabinet D (mm)	Division H (mm)	Order no.
SUW 5003 B	500	36	35230
SUW 5006 B	500	66	35231



Combination C

Only for drawer ESCH 4510.

10 longitudinal dividers W 93 mm and 20 transverse dividers.

Item	Cabinet D (mm)	Division H (mm)	Order no.
SUW 5003 C	500	36	35240
SUW 5006 C	500	66	35241

Complete sets of insert containers

Only for drawer ESCH 4510.

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

Item	Order no.
SET 2501	12910

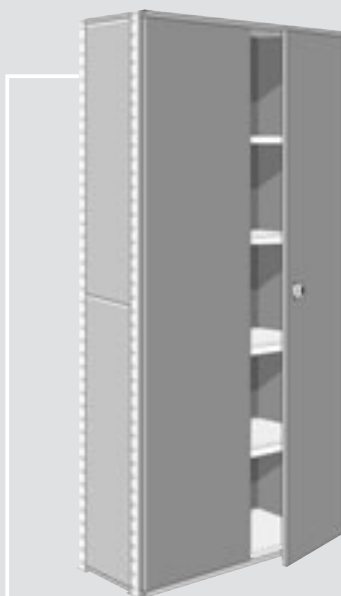


Insert containers

Polystyrene, blue, with label facility on the grip.

Pieces per unit: EK 1: 58 pieces; EK 2: 80 pieces; EK 3: 120 pieces; EK 111-N: 48 pieces

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

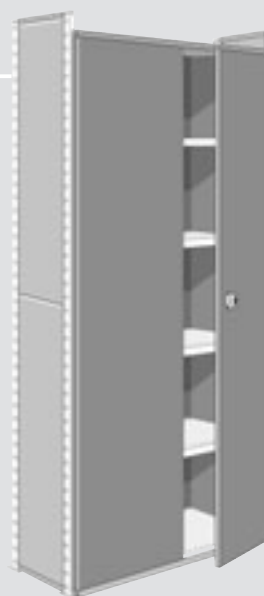


Two wing door sets

Only suitable for bay width of 995 mm. Height 2111 mm.

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

Item	Order no.
FTR 4001	27900



Two wing door sets for multi-tier installations

Only suitable for bay width of 995 mm. Height 1845 mm. For technical reasons, doors used above and below the mezzanine floor in multi-tier installations must be shorter. In addition to this, a shelf of corresponding depth must also be used.

Item	Order no.
FTR-B 4001	27910





R 7000 – the fully flexible shelving system

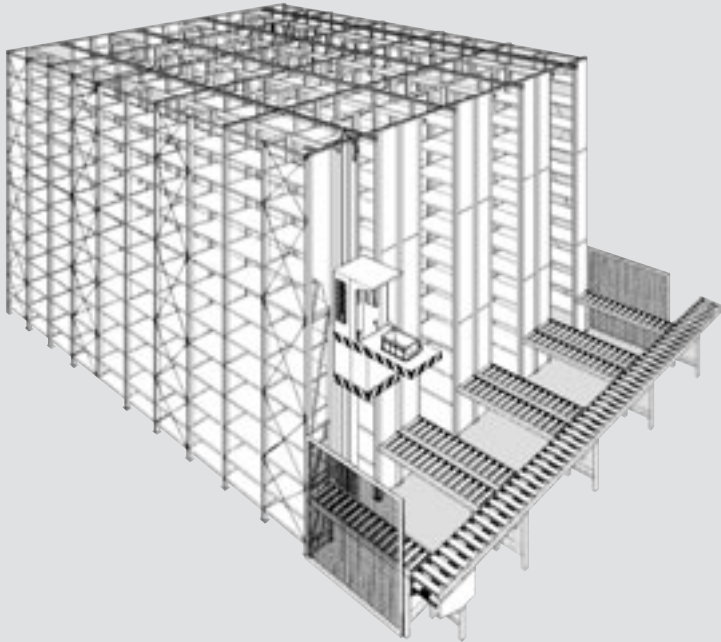
The R 7000 shelving system is an innovative concept, which enables the shelving bays to be configured with complete freedom. It is easy to assemble and will handle a multitude of storage problems with ease thanks to a comprehensive range of accessories.

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.

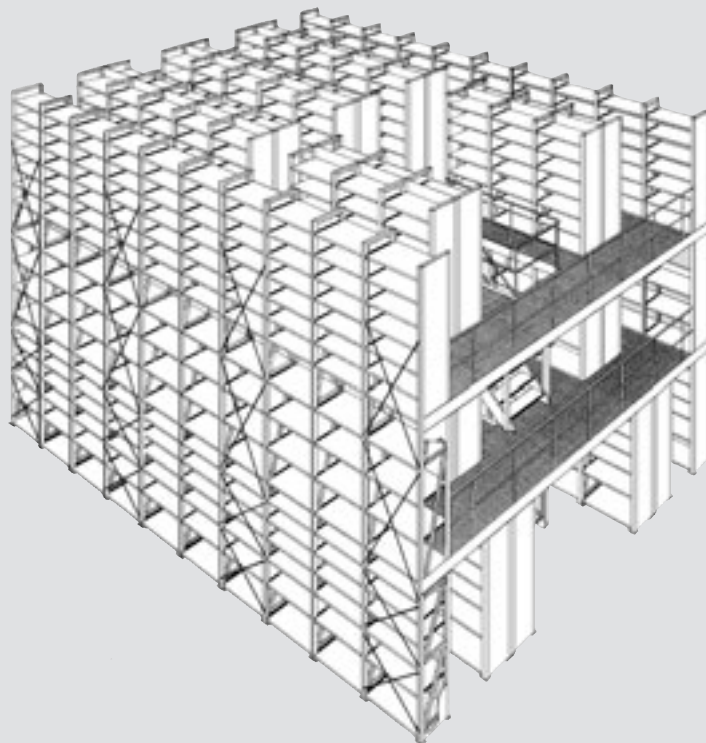


High bay storage and multi-tier installations



High bay R 7000 installation accessed by fixed path order pickers

i 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.



Equipment



► **R 7000 on-line shelving**
from page **G2**

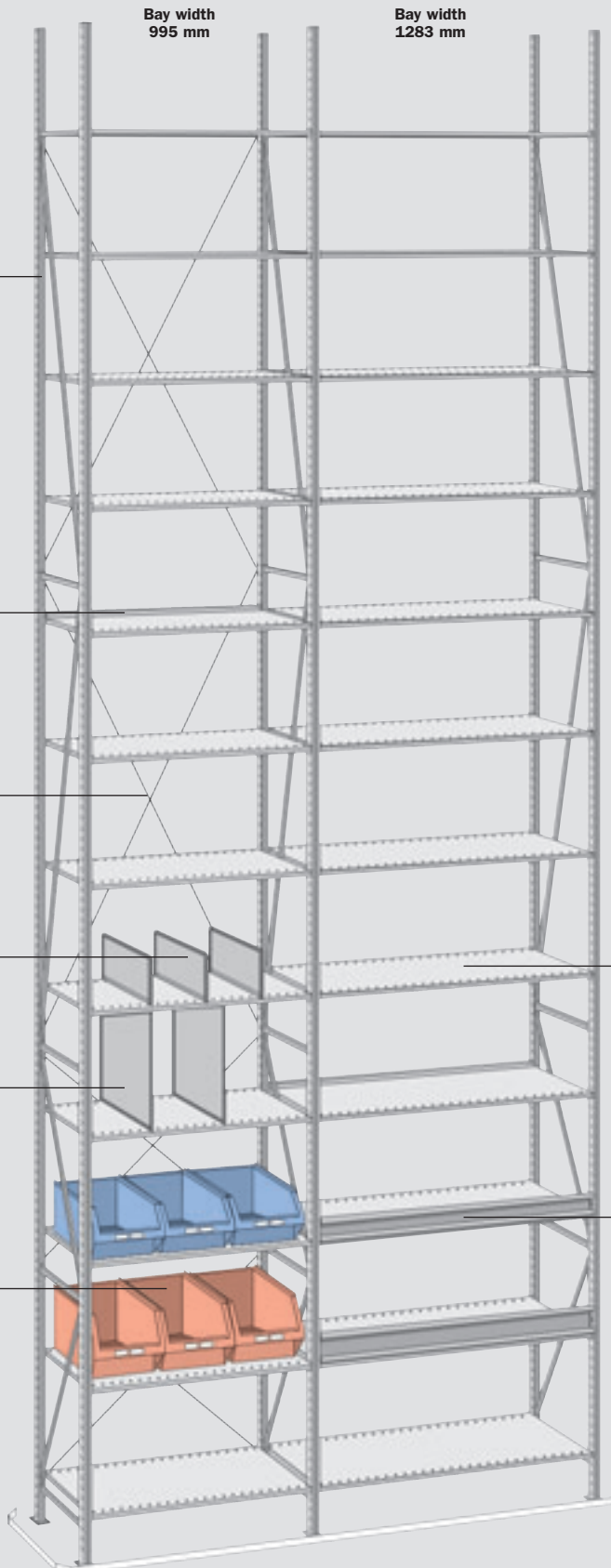


Also available:

Mesh back and side panels (no illustr.)
Page **B56 - B57**

Solid back and side panels (no illustr.)
Page **B56**

Horizontal beam (no illustr.)
Page **B54**



Upright frames
Page **B52**

End stops
Page **B54**

Cross bracing for stability
Page **B52**

Free-standing dividers
Page **B55**

Full height dividers
Page **B55**

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

Shelves
Page **B53**

Bin fronts
Page **B57**



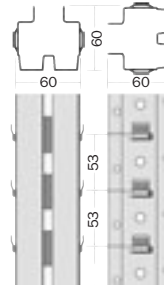
GALVANISED



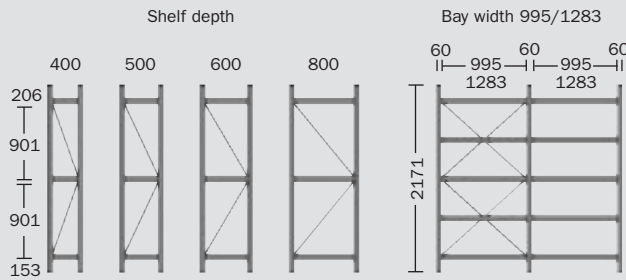
The upright frame system

- 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

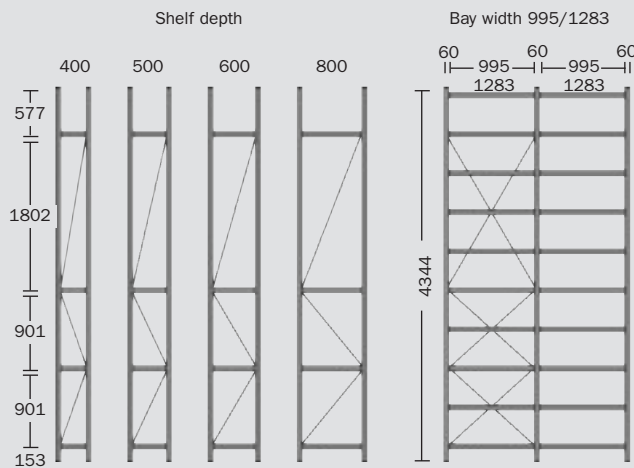


Dimensions in mm



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

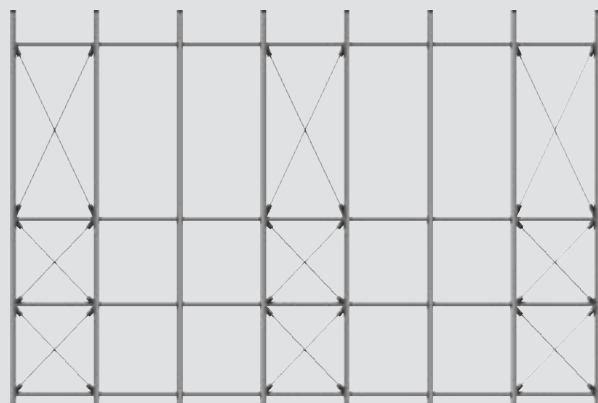


Upright frames, height 4344 mm, galvanised

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

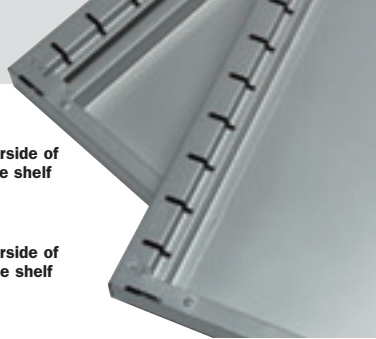
on request



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

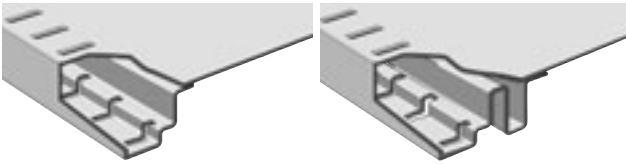


Underside of V-type shelf

Underside of N-type shelf

Shelves

sheet steel, either painted silver or galvanised, 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 = N-type

Double edge shelf = V-type

Base shelves for bay width 995 mm, thickness 30 mm

Sheet steel, painted silver or galvanised.

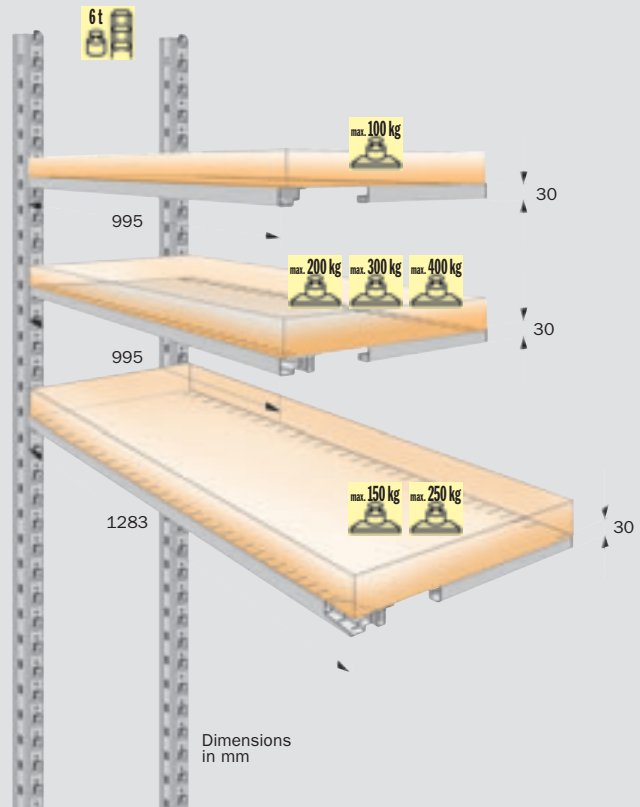
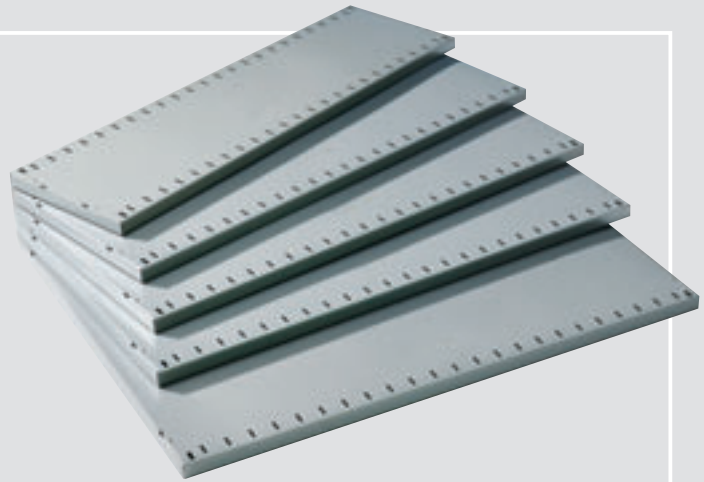
Item	Shelf depth (mm)	Base load max. (kg)	Edge design	Finish	Order no.
ZB 4413 V	400	100	N	Galvanised	27012
ZB 4413 L	400	100	N	Painted finish	27010
ZB 4423 V	400	200	V	Galvanised	27022
ZB 4423 L	400	200	V	Painted finish	27020
ZB 4513 V	500	100	N	Galvanised	27032
ZB 4513 L	500	100	N	Painted finish	27030
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 galvanised.

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

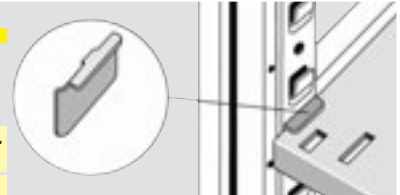
Shelves



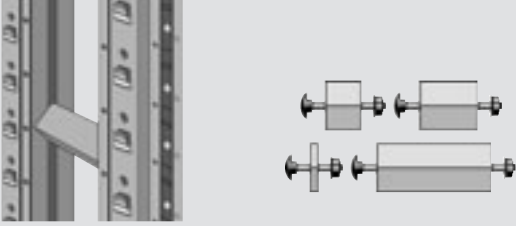
Anti-lifting devices

For shelves.
1 set = 4 pieces

Item	Order no.
AS 7000	28730



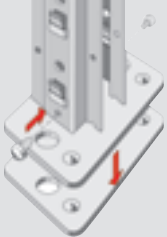
Shelving components and accessories



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.

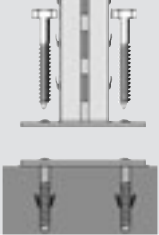
Item	Frame distance (mm)	Order no.
RV 7006	6	29290
RV 7030	30	29220
RV 7050	50	29340
RV 7100	100	29230



Shim plates

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

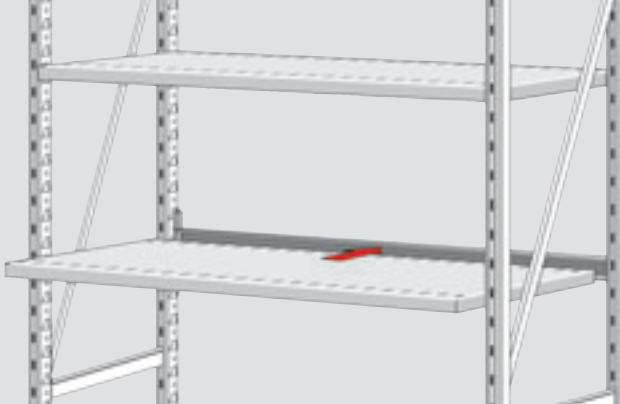
Item	Thickness (mm)	Order no.
UP 7001	1	28980
UP 7002	2	28970
UP 7003	3	28960



Floor anchoring

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

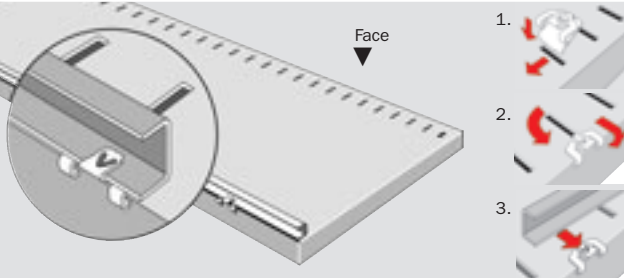
Item	Order no.
BF 7000	29270



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

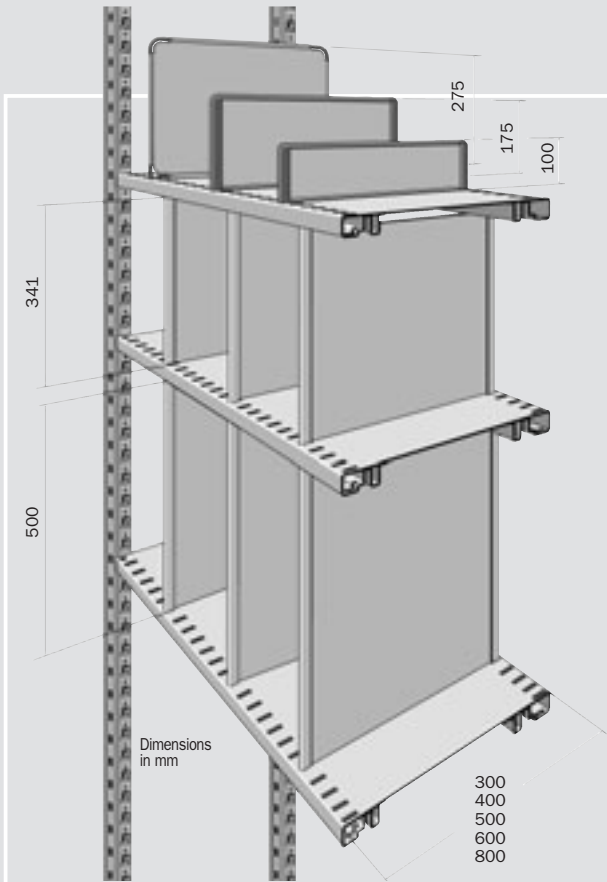
Galvanised sheet steel. Prevent items such as shelf containers from being pushed off the back of the shelf. Includes 3 clips.

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

i 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 shelving

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)	Design 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 intermediate shelves for bay height 2171 mm

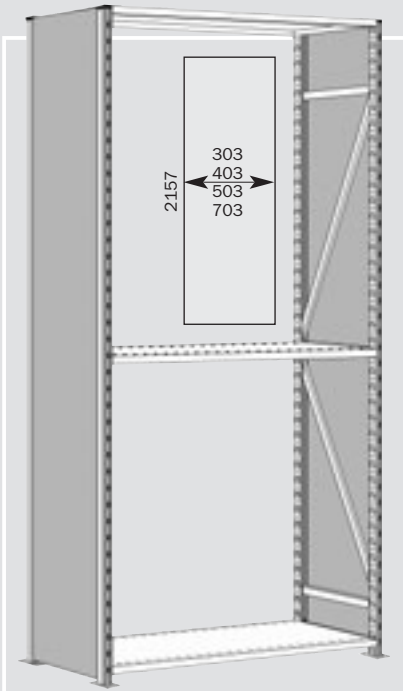
2	1.025	3	601	4	495	5	389	6	290	7	177	8	230	10	177	13	177
		2	712	3	500	4	394	5	341	6	288	7	235	9	182	12	129
		1	712	2	500	3	394	4	341	5	288	6	235	8	182	11	129
1	1.030			1	500	2	394	3	341	4	288	5	235	7	182	10	129
						1	394	2	341	3	288	4	235	6	182	9	129
								1	341	2	288	3	235	5	182	8	129
										1	288	2	235	4	182	7	129
												1	235	3	182	6	129
														2	182	5	129
														1	182	4	129

Division options using intermediate 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
		5	712	7	500	9	394	11	243	13	288	15	235	19	182	26	129
		4	712	6	500	8	394	10	243	12	288	14	235	18	182	25	129
3	1.030	3	712	5	500	7	394	9	243	11	288	13	235	17	182	24	129
		2	712	4	500	6	394	8	243	10	288	12	235	16	182	23	129
		1	712	3	500	5	394	7	243	9	288	11	235	15	182	22	129
				2	500	4	394	6	243	8	288	10	235	14	182	21	129
				1	500	3	394	5	243	7	288	9	235	13	182	20	129
						2	394	4	243	6	288	8	235	12	182	19	129
						1	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
															7	7	129
															6	6	129
															5	5	129
															4	4	129
															3	3	129
															2	2	129
															1	1	129



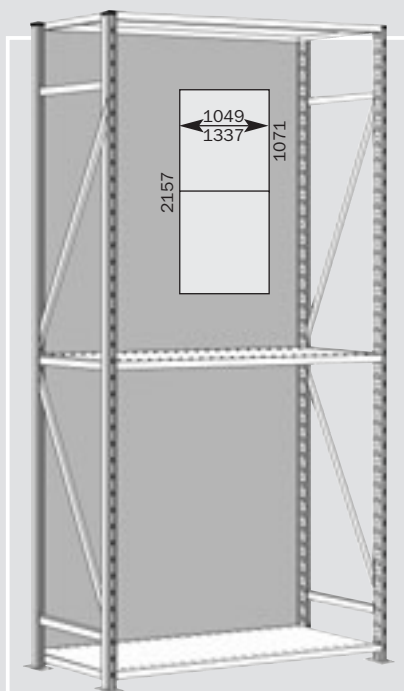
Accessories



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).

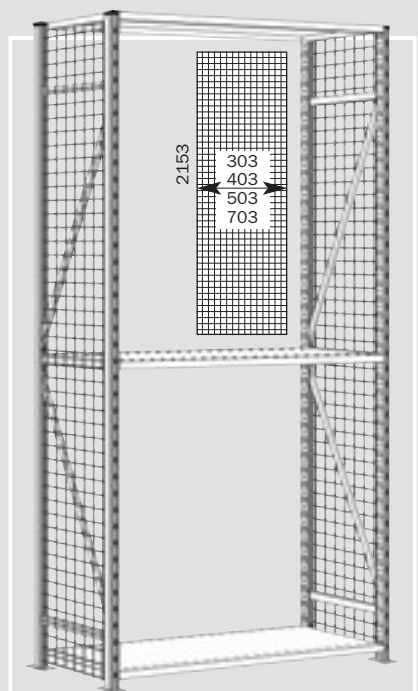
Item	Shelf depth (mm)	Order no.
SW 7402	400	28770
SW 7502	500	28780
SW 7602	600	28790
SW 7802	800	28800



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.

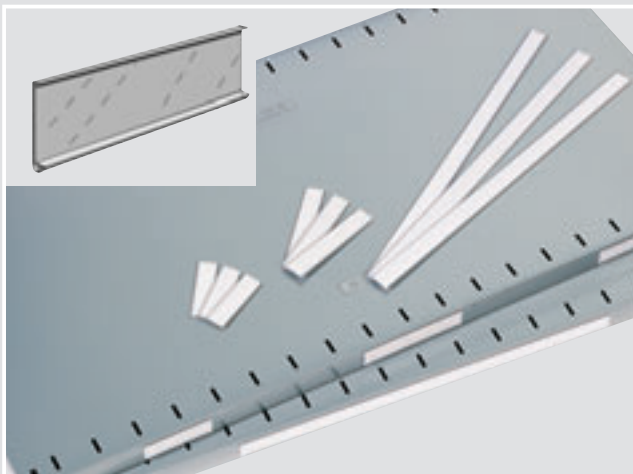
Item	Bay length (mm)	Order no.
RW 7101	995	28760
RW 7131	1283	28910



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

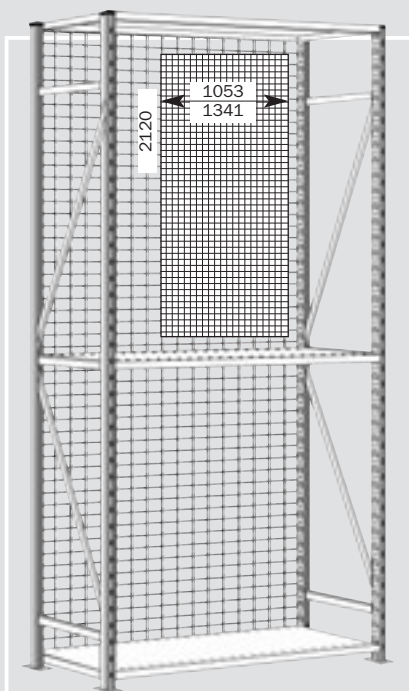
Self-adhesive, to identify storage areas.

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

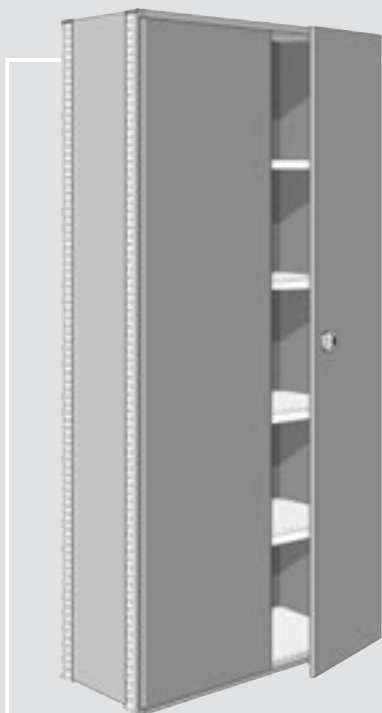


Mesh back panels

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

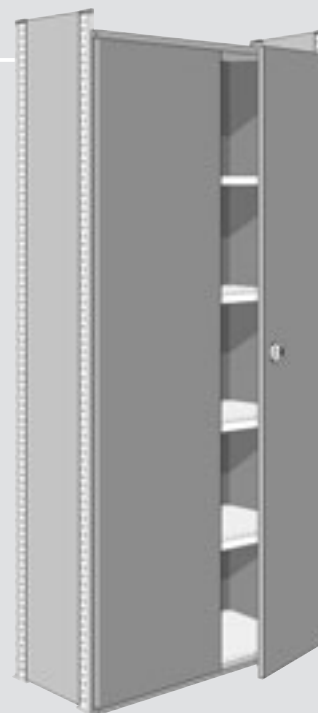


Two wing door sets

Only suitable for bay width of 995 mm.
Height 2111 mm.

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

Item	Order no.
FTR 4001	27900



Two wing door sets for multi-tier installations

Only suitable for bay width of 995 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	Order no.
FTR-B 4001	27910



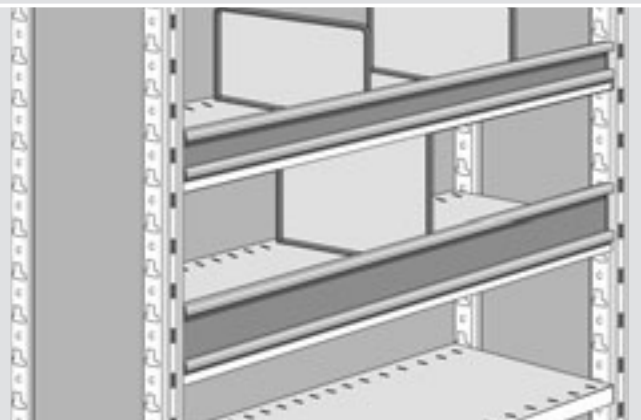
Drawers available

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



FR 0 – the stacking system for heavy loads

The system could not be simpler. Compact modules in two fixed heights are stacked or placed side by side to form complete shelf units. Completely configurable shelving units can thus be created in a very short space of time. The bolt-free design of the FR 0 modular shelving system makes it quick and easy to assemble.

With FR 0 stable sheet steel profiles with a solid base are welded onto a ready-made frame.

These modules can then simply be stacked together or placed side by side, without a single bolt, to create entire shelving units. Channelled profiles ensure that the individual modules are stable.

Fastening devices connect adjacent modules. The shelves are fitted into the frame lugs, top shelves are simply placed into position.





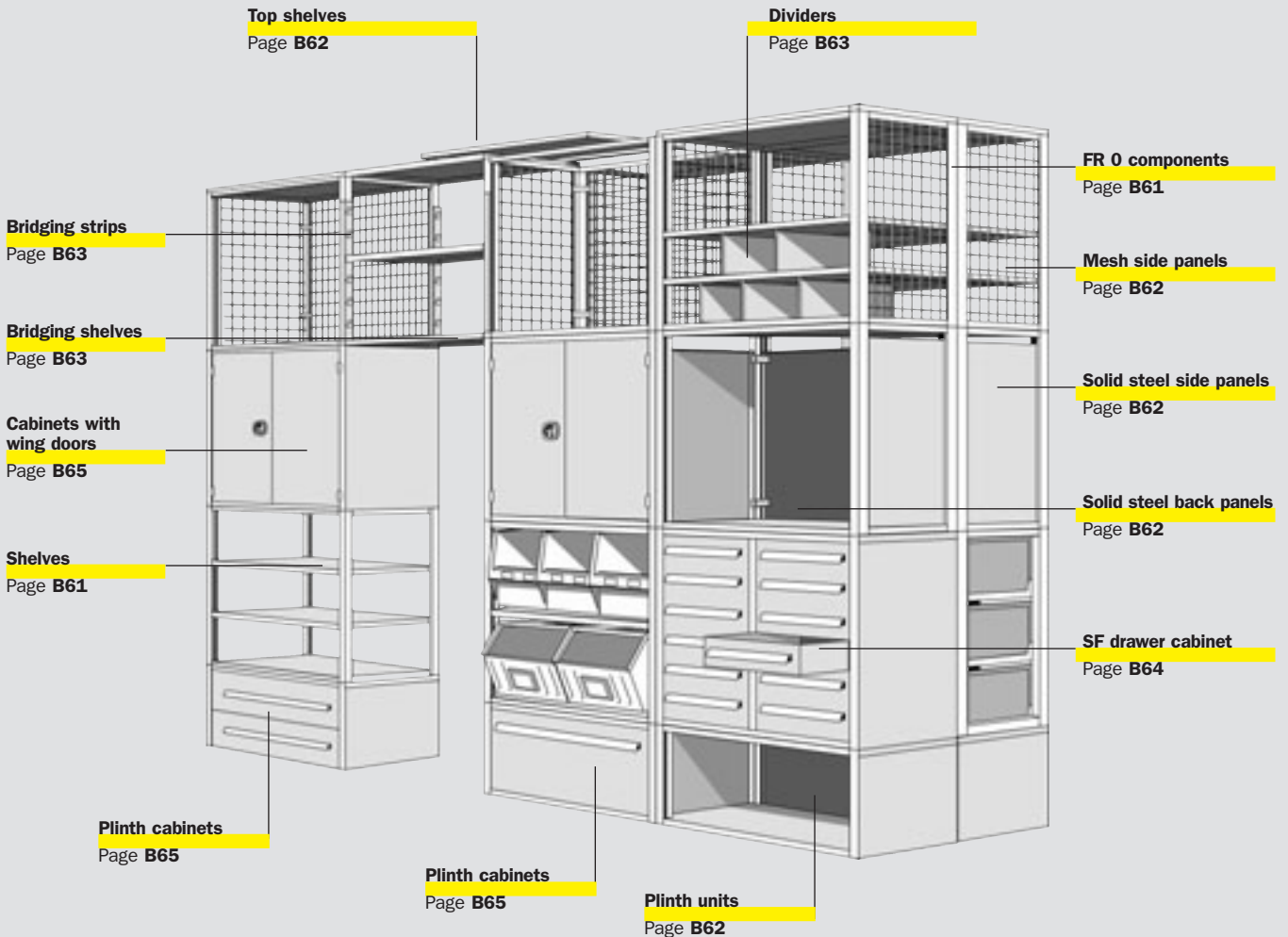
- ▶ **High load capacity**
up to 3500 kg per bay
- ▶ **Stacking modular shelving system**
1 bay width, 3 bay depths, variable heights
- ▶ **Starter bay system without cross bracing**
- ▶ **Can be used immediately**
virtually no assembly required
- ▶ **Extensive range of accessories**
- ▶ **Multi-tier installations feasible**

The FR 0 “building block” principle



Fastening devices guarantee secure connections

Channeled profiles guarantee stability



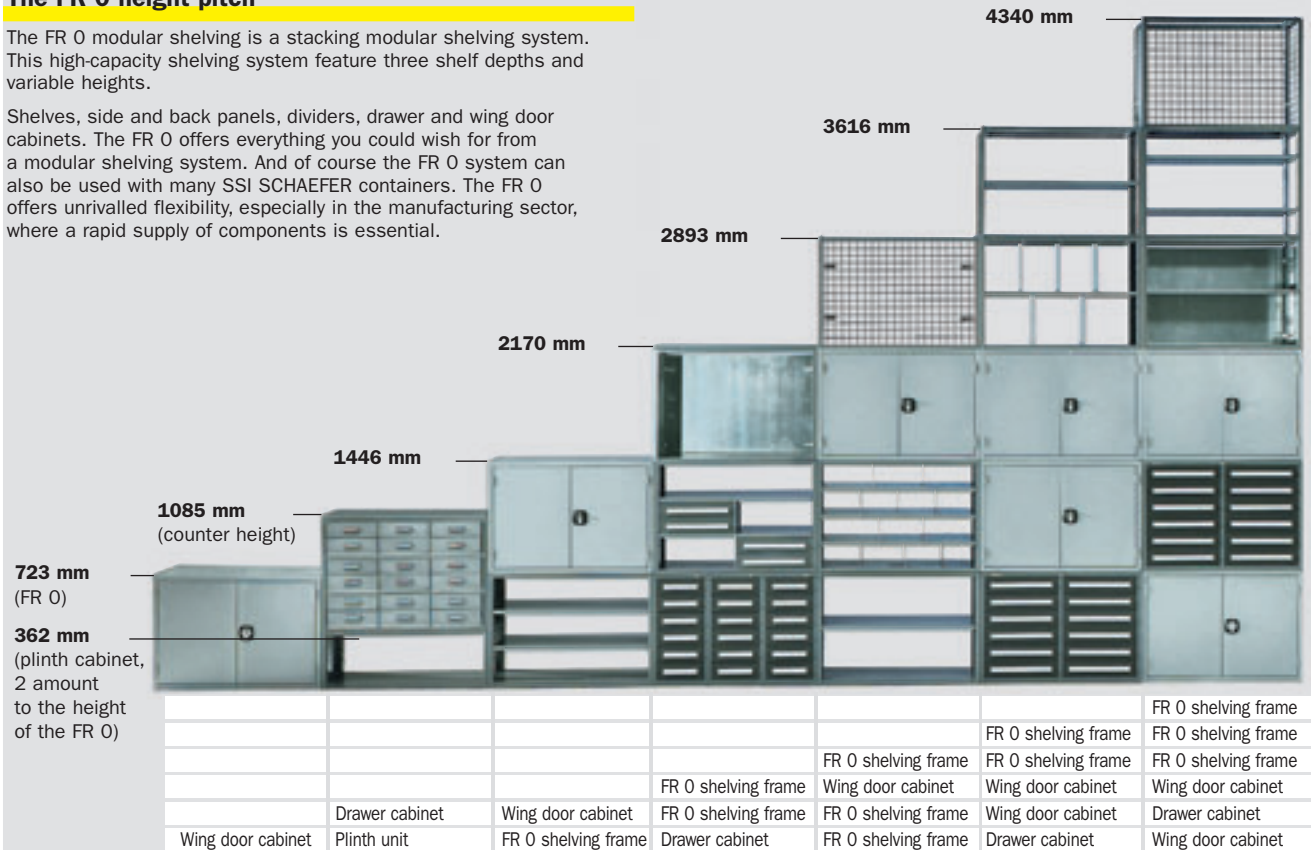
FR 0 – in detail



The FR 0 height pitch

The FR 0 modular shelving is a stacking modular shelving system. This high-capacity shelving system features three shelf depths and variable heights.

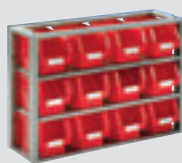
Shelves, side and back panels, dividers, drawer and wing door cabinets. The FR 0 offers everything you could wish for from a modular shelving system. And of course the FR 0 system can also be used with many SSI SCHAEFER containers. The FR 0 offers unrivalled flexibility, especially in the manufacturing sector, where a rapid supply of components is essential.



Choosing SSI SCHAEFER containers



Depth 350 mm, with 16 plastic containers LF 321



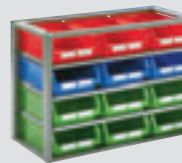
Depth 350 mm, with 12 plastic containers LF 322



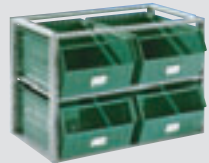
Depth 500 mm, with 2 containers 14/7-1 I, 3 LF 533 G plastic containers



Depth 500 mm, with 9 plastic containers 14/7-2 H or LF 532



Depth 500 mm, with 12 plastic containers 14/7-2 H or LF 531



Depth 630 mm, with 4 containers 14/7-1 I or 14/6-1 I



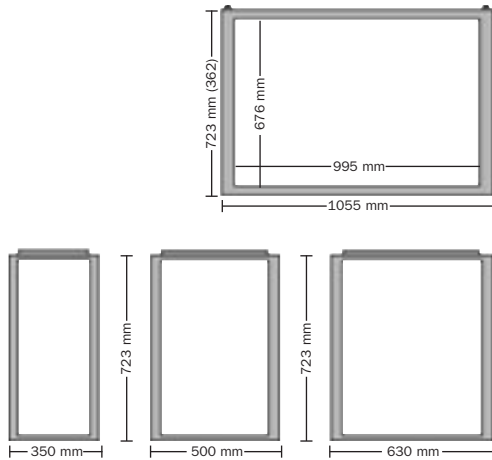
Shelves for Fix shelving system



Cover panels, solid back and side panels, bin fronts

► **Load capacity**

the base load capacity is based on an even load distribution (shelves)



Shelving components and accessories



FR 0 Fix shelving system

Welded frame construction, painted silver.
Dimensions: H 723 x W 1055 mm

Item	Shelf depth (mm)	Base load max. (kg)	Order no.
FR 033	350	300	10
FR 053	500	300	20
FR 054	500	400	30
FR 056	500	500	40
FR 062	630	300	50
FR 063	630	400	60
FR 064	630	500	70



Shelves

Sheet steel, painted silver. Slotted at 41 mm pitch to accommodate dividers. Dimensions: H 23 x W 995 mm

Item	Shelf depth (mm)	Floor load max. (kg)	Order no.
ZB 32	350	200	80
ZB 52	500	200	90
ZB 53	500	300	100
ZB 54	500	400	110
ZB 62	630	200	120
ZB 63	630	300	130
ZB 64	630	400	140



SILVER

GALVANISED



Fix shelving system
Mesh side and back panels
Shelves
Top shelves
Bridging shelves
Plinth units
Bridging strips



Dividers
Back stops

Shelving components and accessories



Solid back panel

Galvanised sheet steel. Secured with brackets to the uprights.

Item	Order no.
RW 0	330

Solid steel side panels

Galvanised sheet steel. Secured with Veronets to the uprights.

Item	For shelf depth (mm)	Order no.
SW 035	350	270
SW 050	500	280
SW 063	630	290

Bin front

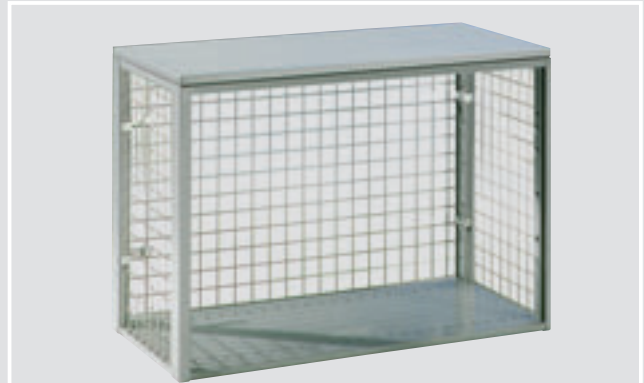
Galvanised sheet steel.

Item	Height (mm)	Order no.
VL 0	85	410

Cover panels

Galvanised sheet steel. Used as a shelf cap. Not load-bearing.

Item	For shelf depth (mm)	Order no.
DB 35	350	350
DB 50	500	360
DB 63	630	370



Mesh side panels

Spot welded, painted silver. Inserted into the holes in the base and upper frames. Mesh size: 50 x 50 mm.

Item	For shelf depth (mm)	Order no.
SWG 035	350	300
SWG 050	500	310
SWG 063	630	320

Mesh back panels

Spot welded, painted silver. Mesh size: 50 x 50 mm.

Item	Order no.
RWG 0	340

Top shelves

Sheet steel, painted silver. To utilise the free space on top of the unit for storage. Max. load 200 kg.

Item	For shelf depth (mm)	Order no.
AD 33	350	380
AD 53	500	390
AD 63	630	400



Plinth units

Welded frame construction, painted silver. Two plinth cabinets on top of each other amount to the height of a FR 0 fix shelving system. Dimensions: H 362 x W 1055 mm

Item	Shelf depth (mm)	Order no.
SR 035	350	480
SR 050	500	490
SR 063	630	500

Shelving components and accessories



Bridging shelves

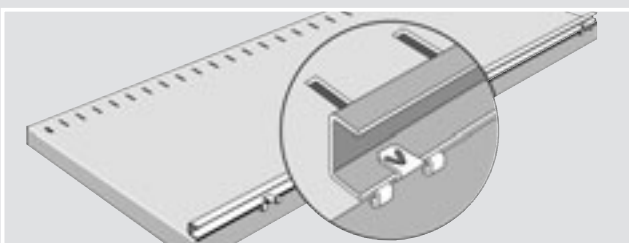
Sheet steel, painted silver. These are mounted between two shelving frames. Suitable for medium loads. When intermediate shelving is used under the "bridge", bridging strips must be clamped over the outside of the uprights.

Item	For shelf depth (mm)	Width (mm)	Load capacity (kg)	Order no.
BB 032	350	995	max. 200	430
BB 052	500	995	max. 200	440
BB 062	630	995	max. 200	450

Bridging strips

Sheet steel, painted silver. Full set contains 4 pieces.

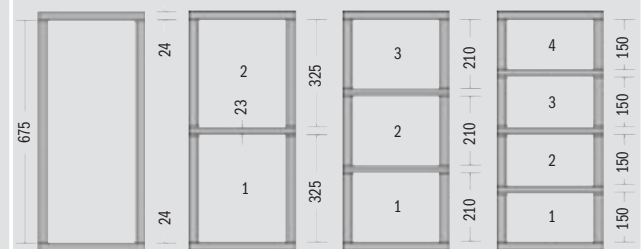
Item	Order no.
SL 0	460



Back stops

Galvanised sheet steel. Prevent items such as containers from sliding over the edge. Includes 3 clips.

Item	Order no.
AL 0	420

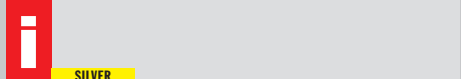


Dividers

Galvanised sheet steel. For the vertical division of the unit compartments into four heights. The dividers can be located anywhere at a pitch of 41 mm.

Item	For shelf depth (mm)	Shelf division	Divider height (mm)	Order no.
TR 34	350	1/4	150	150
TR 33	350	1/3	210	160
TR 32	350	1/2	325	170
TR 31	350	1/1	675	180
TR 54	500	1/4	150	190
TR 53	500	1/3	210	200
TR 52	500	1/2	325	210
TR 51	500	1/1	675	220
TR 64	630	1/4	150	230
TR 63	630	1/3	210	240
TR 62	630	1/2	325	250
TR 61	630	1/1	675	260

Shelving components and accessories



SILVER



Housing

SILVER

Fronts

- ▶ **High-grade sheet steel**
stove enamel finish
- ▶ **Dimensionally matched**
the drawer cabinets are built to the same module sizes as the FR 0 Counter Cabinet System
- ▶ **Security**
all SF-cabinets are fitted with a central security lock
- ▶ **Drawers**
made from steel run on guide rails on plastic runners. Stops prevent the drawer from falling out. The strong plastic grip rails can be labeled using the lettering strip and clear protective film supplied. Galvanised steel longitudinal trays with compatible cross dividers are used to divide the drawers



Dividing materials for SF cabinets

on request



SF 61

6 drawers with fascia height 108 mm, tray height 98 mm, Drawer internal dimensions W 299 x D 461 mm.

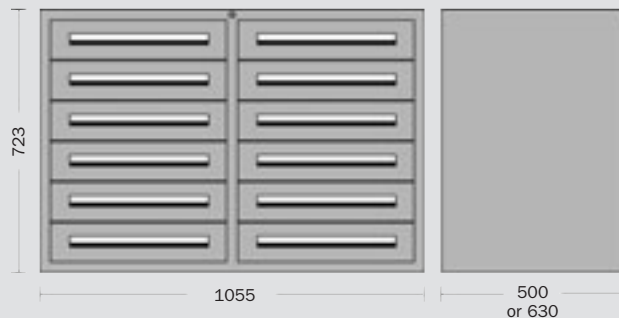
Item	W x H x D (mm)	Order no.
SF 61	352 x 723 x 500	1120



SF 120

12 drawers with fascia height 108 mm, tray height 98 mm. Drawer internal dimensions W 475 x D 461 mm.

Item	W x H x D (mm)	Order no.
SF 120	1055 x 723 x 500	990



SF 126

Like SF 120, but 630 mm deep. Drawer internal dimensions W 475 x D 586 mm.

Item	W x H x D (mm)	Order no.
SF 126	1055 x 723 x 630	13800

SILVER

Housing



SILVER Fronts

- ▶ **High-grade sheet steel**
stove enamel finish
- ▶ **Stacking**
for secure stacking, the housing lid has holes at each corner.
Four locking sleeves are supplied with each cabinet
- ▶ **Drawer load**
maximum 30 kg
- ▶ **System compatible**
compatible with both the SF cabinet system and WS
and WSK tool storage cabinets
- ▶ **Standard counter height**
the combined height of the combination is the same as the
standard counter height of 1105 mm



Shelving components and accessories



Cabinets

Sheet steel housing with two wing doors and recessed rotary handle with integral security lock and two keys. Painted silver. Supplied without shelves or containers.

Item	W x H x D (mm)	Order no.
TS 050-1	1055 x 723 x 500	580
TS 063-1	1055 x 723 x 630	600

Shelves

Sheet steel, painted silver, adjustable height. Max. load 200 kg.

Item	For	Order no.
SB 053-1	TS 050	590
SB 063-1	TS 063	610

Pedestal

Sheet steel, painted silver, with stacking lugs. H 125 mm.

Item	Depth (mm)	Order no.
RU 035	350	510
RU 050	500	520
RU 063	630	530



Plinth cabinet with 1 drawer

Sheet steel housing, painted silver, 1 drawer with pull-out shelf.

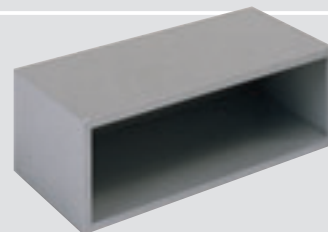
Item	W x H x D (mm)	Order no.
SS 15	1055 x 382 x 500	540
SS 16	1055 x 382 x 630	550



Plinth cabinet with 2 drawers

Sheet steel housing, painted silver. 2 drawers, fully extendable.

Item	W x H x D (mm)	Order no.
SS 25	1055 x 382 x 500	560
SS 26	1055 x 382 x 630	570



Empty plinth body

Sheet steel housing, painted silver, Clear height 322 mm, without drawers.

Item	W x H x D (mm)	Order no.
SRG 050	1055 x 382 x 500	11750
SRG 063	1055 x 382 x 630	13500

Accessories for modular shelving systems ...

SSI SCHAEFER accessories are designed to be compatible with all our shelving systems and will make your storage system complete.

The matched dimensions mean that elements in the individual shelving bays can be combined independently, whatever they are used for.

Regardless of whether it's a high bay storage installation or single- or multi-tier design with mezzanine floors, SSI SCHAEFER accessories will create the ideal warehouse.

SSI SCHAEFER – Solutions that fit.

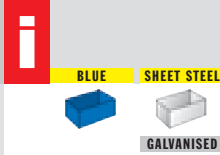


... making storage simpler

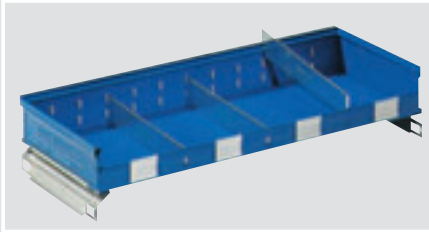
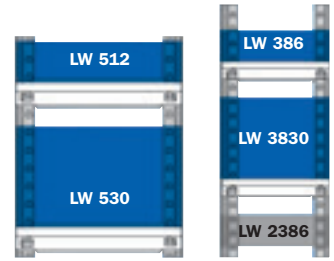


- i** Other accessories:
- Shelf containers from page **A20**
 - Storage area marking page **D24**
 - Stairs, rails and lighting installations from page **F6**





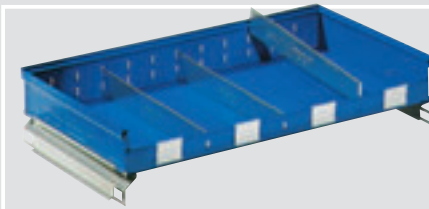
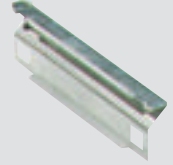
Storage trays for bay width 995 mm



LW 386 storage tray for shelf depths 400 and 800 mm

Steel, painted blue.

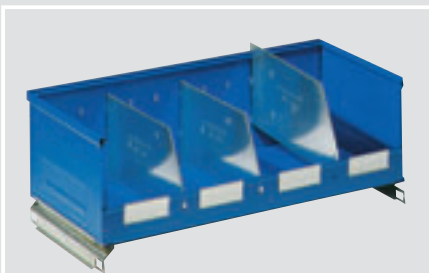
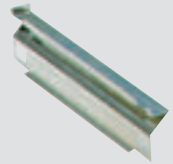
Item		W x D x H (mm)/Unit	Order no.
LW 386	LW 386 storage tray	980 x 386 x 120	11260
LWT 386	Divider, galvanised	1 piece	11270
AP 4400/4800	Stop profile	1 pair	28010
EHK 75	Label holder	W 75 mm, 50 pieces	15180
EHKE 75	Labels	W 75 mm, 100 pieces	15190



LW 512 storage trays for shelf depths 500 and 1000 mm

Steel, painted blue.

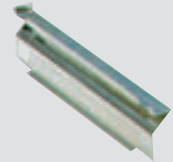
LW 512	LW 512 storage tray	980 x 486 x 120	14670
LWT 512	Divider, galvanised	1 piece	14680
AP 4500	Stop profile	1 pair	14690
EHK 75	Label holder	W 75 mm, 50 pieces	15180
EHKE 75	Labels	W 75 mm, 100 pieces	15190



LW 530 storage trays for shelf depths 500 and 1000 mm

Steel, painted blue.

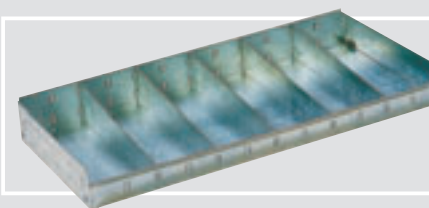
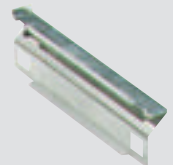
LW 530	LW 530 storage tray	980 x 486 x 300	14650
LWT 530	Divider, galvanised	1 piece	14660
AP 4500	Stop profile	1 pair	14690
EHK 75	Label holder	W 75 mm, 50 pieces	15180
EHK 85	Label holder	W 85 mm, 50 pieces	14610
EHK 135	Label holder	W 135 mm, 50 pieces	14620
EHKE 75	Labels	W 75 mm, 100 pieces	15190
EHKE 85	Labels	W 85 mm, 100 pieces	14630
EHKE 135	Labels	W 135 mm, 100 pieces	14640



LW 3830 storage tray for shelf depths 400 and 800 mm

Steel, painted blue. Stackable with LW 386.

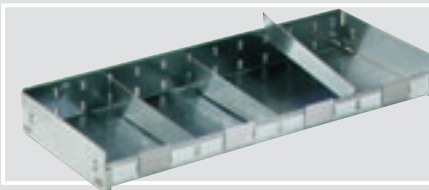
LW 3830	LW 3830 storage tray	980 x 386 x 300	11810
LWT 3830	Divider, galvanised	1 piece	11820
AP 4400/4800	Stop profile	1 pair	28010
EHK 75	Label holder	W 75 mm, 50 pieces	15180
EHK 85	Label holder	W 85 mm, 50 pieces	14610
EHKE 75	Labels	W 75 mm, 100 pieces	15190
EHKE 85	Labels	W 85 mm, 100 pieces	14630



LW 512-Z storage tray for shelf depth 500 mm

Galvanised steel. Hangs directly on lugs.

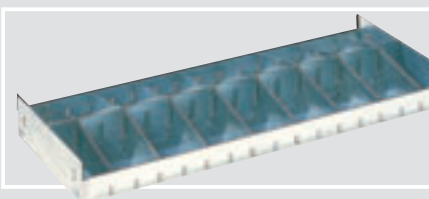
LW 512-Z	LW 512-Z storage tray	981 x 486 x 120	16190
LWT 512-Z	Divider, galvanised	1 piece	16250
EHK 75	Label holder	W 75 mm, 50 pieces	15180
EHKE 75	Labels	W 75 mm, 100 pieces	15190



LW 2386 storage tray storage trays for shelf depth 400 mm

Galvanised steel. Hangs directly on lugs.

LW 2386	LW 2386 storage tray	980 x 386 x 100	18210
LWT 2386	Divider, galvanised	1 piece	18220
EHK 75	Label holder	W 75 mm, 50 pieces	15180
EHKE 75	Labels	W 75 mm, 100 pieces	15190



LW 2386-M storage tray for shelf depth 400 mm

Galvanised steel. Hangs directly on lugs.

LW 2386-M	LW 2386-M storage tray	980 x 386 x 100	18280
LWT 2386-M	Divider, galvanised	1 piece	18290
EHK 75	Label holder	W 75 mm, 50 pieces	15180
EHKE 75	Labels	W 75 mm, 100 pieces	15190

► **Easy assembly**

channelled profiles around the upper rims enable trays to be stacked together. LW 2386, LW 2386-M and LW 512-Z storage trays locate directly on the upright lugs. All other types of storage trays are placed on the shelves or support profiles, which are also located on the upright lugs

► **Storage trays**

are compatible with a **bay width of 995 mm** and can be divided **into a max. of 12 compartments**

i **Shelf containers for fitting to modular shelving systems**

from page **A20**



Safety fencing

The safety fencing systems are designed to match the SSI SCHAEFER-shelving systems. They can be fitted universally wherever needed. Supplied in various widths.

All wing door types are self-closing and fitted with an anti-theft device. They are designed to accommodate closing cylinders.

A left-hung door can be converted into a right-hung door with very little work.



Safety fencing available

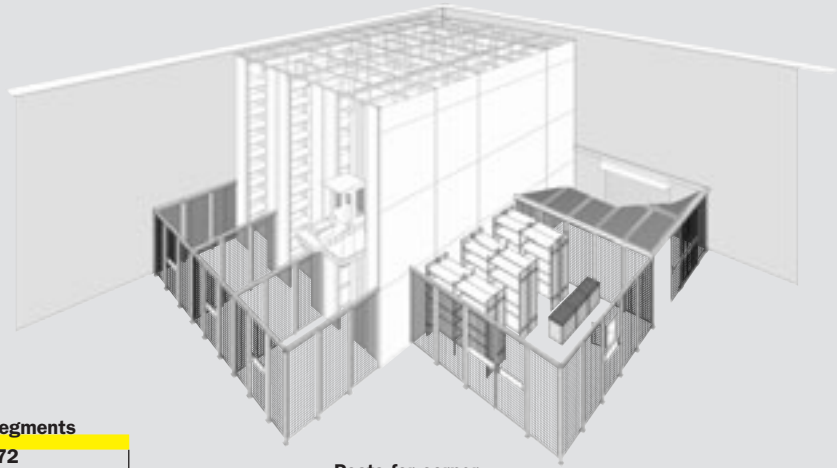
on request





- ▶ **Corrugated mesh**
4 mm wire, welded into a C-profile
- ▶ **Mesh thickness**
40 x 40 mm, so also suitable for protecting machinery in compliance with DIN 31 001, part 1
- ▶ **Finish**
high grade stove enamelling or hot-dip galvanised
- ▶ **Supports**
from strong 45/62/45 x 4 mm cold-rolled U-sections, prepunched. Pre-drilled footplates for securing to the floor, includes expansion plug

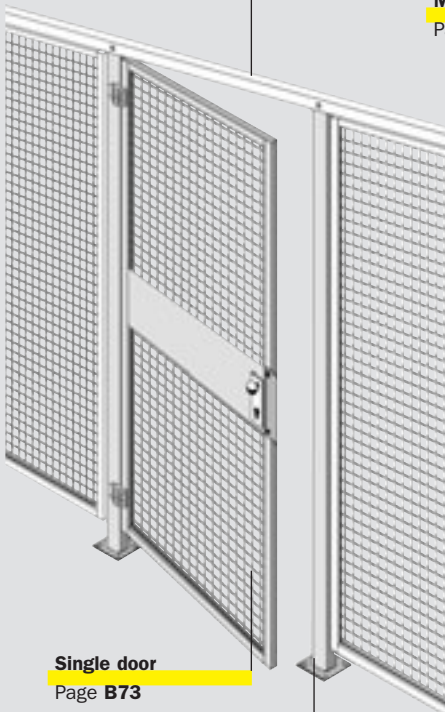
Components for safety fencing systems



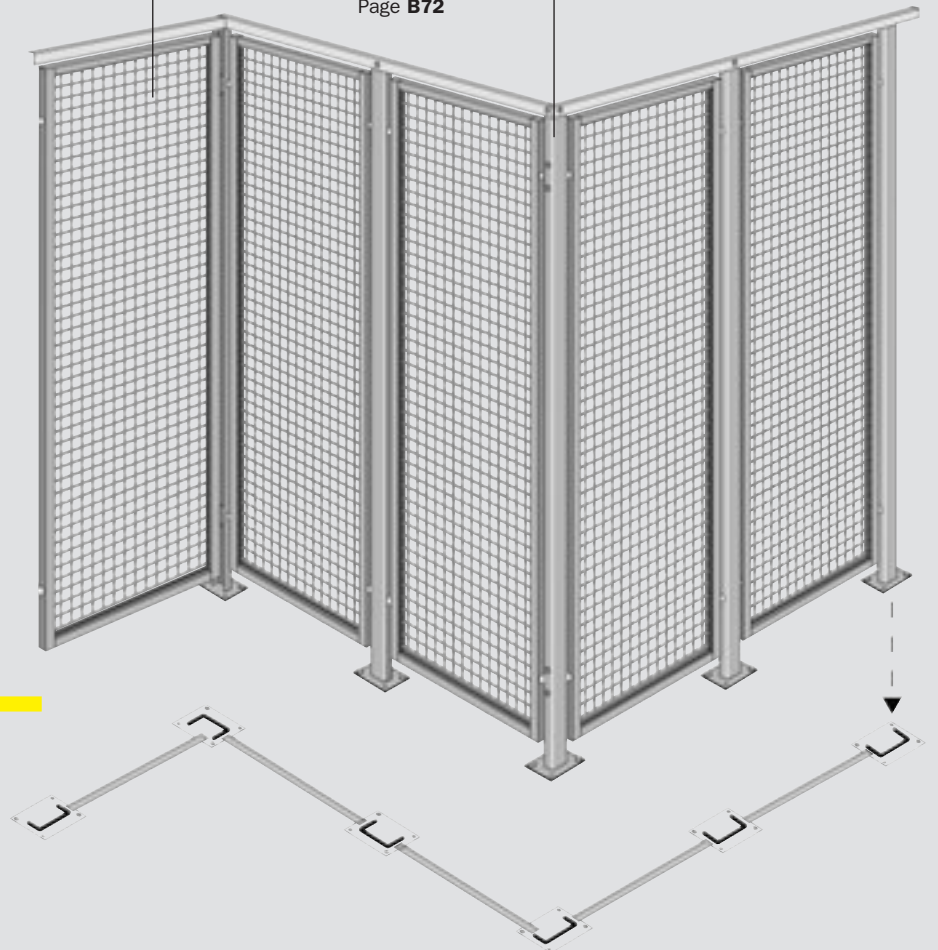
Top finishing section
Page B73

Mesh segments
Page B72

Posts for corner connection
Page B72



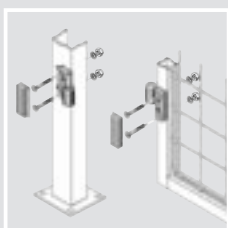
Single door
Page B73



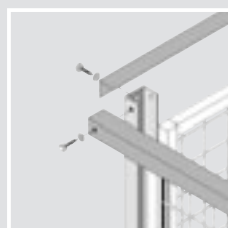
Posts for mesh segments
Page B72



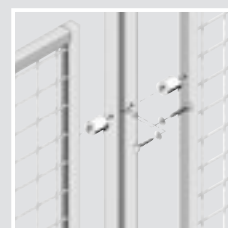
Top hinge



Bottom hinge



Top finishing section



Single post connection



Floor fixing

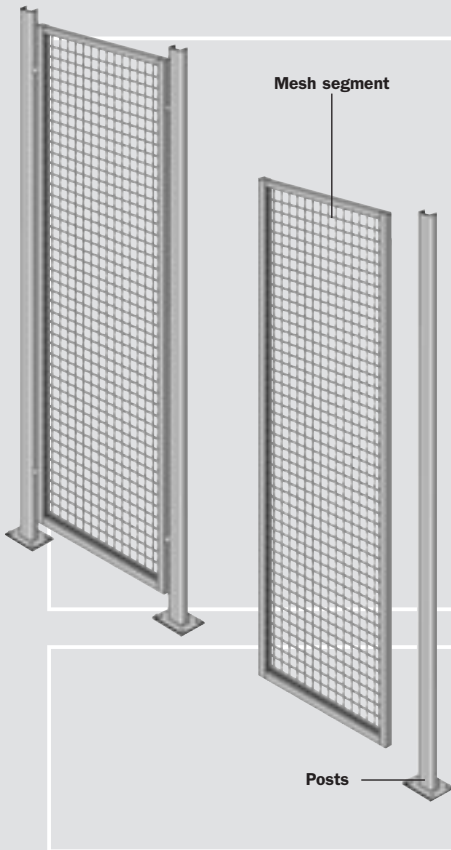
Mesh segments and accessories



Secure tool and parts dispensary

i Dimensions and finishes

on request



Mesh segments

Silver grey			Galvanised		
Item	W x H (mm)	Order no.	Item	W x H (mm)	Order no.
GS0650 I	658 x 2008	187100	GS0650 v	658 x 2008	187110
GS0700 I	708 x 2008	187120	GS0700 v	708 x 2008	187130
GS0750 I	758 x 2008	187140	GS0750 v	758 x 2008	187150
GS0800 I	808 x 2008	187160	GS0800 v	808 x 2008	187170
GS0850 I	858 x 2008	187180	GS0850 v	858 x 2008	187190
GS0900 I	908 x 2008	187200	GS0900 v	908 x 2008	187210
GS0950 I	958 x 2008	187220	GS0950 v	958 x 2008	187230
GS1000 I	1008 x 2008	187240	GS1000 v	1008 x 2008	187250
GS1050 I	1058 x 2008	187260	GS1050 v	1058 x 2008	187270
GS1100 I	1108 x 2008	187280	GS1100 v	1108 x 2008	187290
GS1150 I	1158 x 2008	187300	GS1150 v	1158 x 2008	187310
GS1200 I	1208 x 2008	187320	GS1200 v	1208 x 2008	187330
GS1250 I	1258 x 2008	187340	GS1250 v	1258 x 2008	187350

Posts for mesh segments

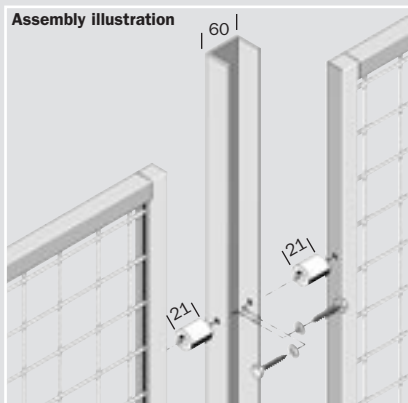
Fixing kit included.

Silver grey			Galvanised		
Item	Height (mm)	Order no.	Item	Height (mm)	Order no.
GSTG I	2171	187360	GSTG v	2171	187370

Posts for corner connection

Fixing kit included.

Silver grey			Galvanised		
Item	Height (mm)	Order no.	Item	Height (mm)	Order no.
GSTE I	2171	187380	GSTE v	2171	187390



Door posts

Fixing kit included.

Silver grey			Galvanised		
Item	Height (mm)	Order no.	Item	Height (mm)	Order no.
GSTT I	2171	187480	GSTT v	2171	187490

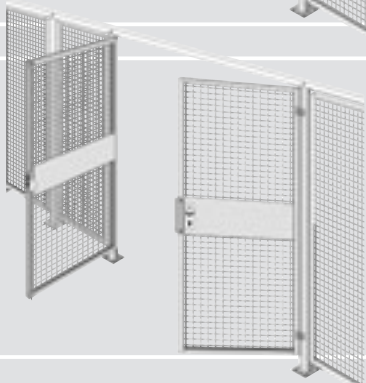
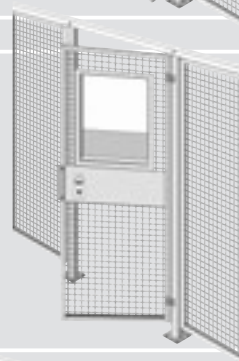
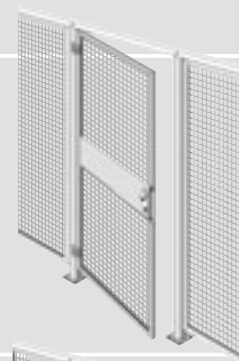
► Easy to rehang



Right-hung single door

Left-hung single door

Wing doors and accessories



Single doors

Suitable for DIN "left" and DIN "right". Solid plinth at lock height. Hinges and lock included (designed to accommodate closing cylinders).

Silver grey

Item	W x H (mm)	Order no.
ET1808 I	808 x 2008	187400
ET1958 I	958 x 2008	187420

Galvanised

Item	W x H (mm)	Order no.
ET1808 v	808 x 2008	187410
ET1958 v	958 x 2008	187430

Single doors with dispensing hatch

Like single door, but with opening 600 x 600 mm. With hinges and snap locks. Can also be fitted with a padlock. Delivery table W 600 x D 200 mm.

Silver grey

Item	W x H (mm)	Order no.
ETA1958 I	958 x 2008	187440

Galvanised

Item	W x H (mm)	Order no.
ETA1958 v	958 x 2008	187450

Double doors

Solid plinth at lock height. Hinges and lock included (designed to accommodate closing cylinders).

Silver grey

Item	W x H (mm)	Order no.
ZT1976 I	1976 x 2171	187460

Galvanised

Item	W x H (mm)	Order no.
ZT1976 v	1976 x 2171	187470

Top finishing section

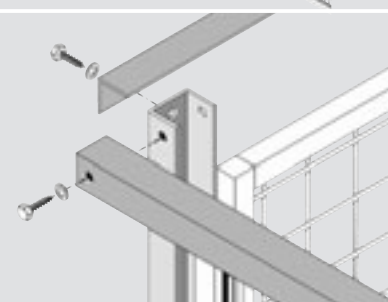
Fixing kit included. Finishing sections made of 50/50/4 mm angle profile are bolted to the top of the divider posts to stabilise the structure.

Silver grey

Item	Order no.
GSAL I	187500

Galvanised

Item	Order no.
GSAL v	187510



Secure areas in complex shelving installations





GREEN GALVANISED SILVER GREY



Shelf ladders and accessories

► **Bracket assembly**
fit together for quick and easy assembly



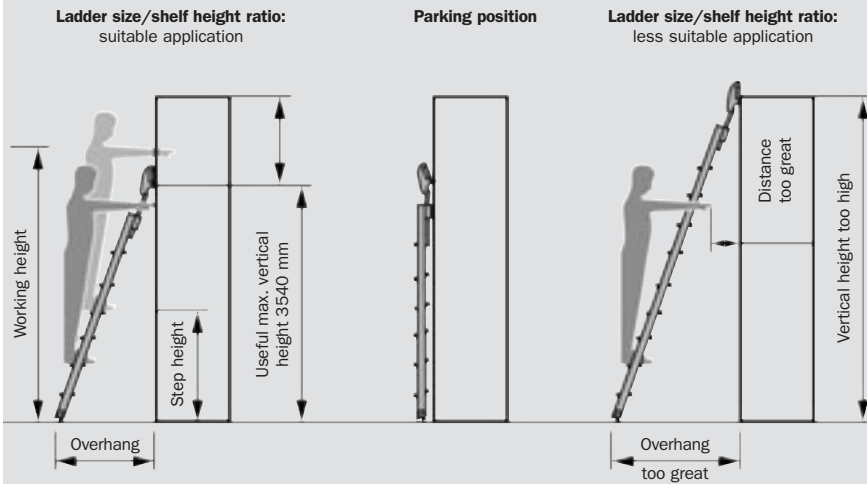
Mobile shelf ladders FRS

Runs parallel to the shelves. Top castor assembly telescopically mounted to enable ladder to be secured against being accidentally lifted out and stored flat against shelving when not in use.

Stringers of rectangular, lightweight steel tubing with rounded edges. Painted: Green, powder-coated.

Automatic-braking on top and bottom castor assemblies. Quiet running on 2 plastic castors, fully coated, castors Ø 100 mm.

Steps in varnished beech with non-slip grooves. Galvanised fittings. Ladder width 400 mm, step depth 80 mm. Distance between steps measured along the stringers 250 mm, measured vertically 235 mm.



FRS shelf ladder with guide rail (inclined)

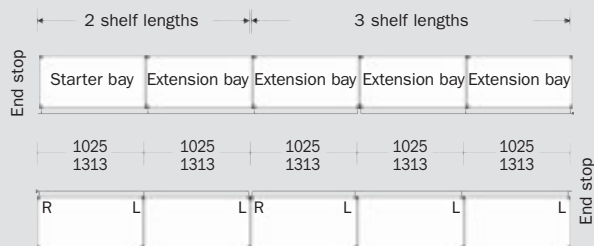


FRS shelf ladder stored against shelving

Item	For shelf height (mm)	Quantity steps	For vertical height from - to (mm)	Max. working height (mm)	Max. step height (mm)	Order no.
FRS 0	2171	6	1810 - 2080	2210	710	10820
FRS 1	2500	7	2060 - 2320	2440	940	10830
FRS 1.1	2800	8	2320 - 2550	2680	1180	10831
FRS 1.2	3100	9	2550 - 2790	2920	1420	10832
FRS 2	3400	10	2790 - 3060	3150	1650	10840
FRS 2.1	3700	11	3060 - 3330	3390	1890	10841
FRS 2.2	4000	12	3330 - 3540	3620	2120	10842
FRS 3	4300	13	3540 - 3770	3860	2360	10843

Guide rails

L-shaped steel bars with brackets bolted to the shelving uprights. Available in a variety of lengths. The guide rails are supplied with brackets for 2 or 3 bay lengths.



The positioning of the left and right brackets within the rows of shelving (top view)

Support brackets are fitted to the top of each upright. Where 2 rails meet, a left and right bracket is required for each rail.

For shelves R 2000 (see chapter H, from page H86) and FR 0 on request.

Item	Bay length (mm)	Shelf length quantity	Order no.
For shelf type R 3000			
LS 3002	995	2	145100
LS 3003	995	3	145110
LS 3132	1283	2	145120
LS 3133	1283	3	145130
LS-E	End stop, for fitting at the start and end		10870
For shelf type R 4000			
LS 4002	995	2	13052
LS 4003	995	3	13053
LS 9132	1283	2	37880
LS 9133	1283	3	37881
LS-E	End stop, for fitting at the start and end		10870

Shelf ladders and accessories

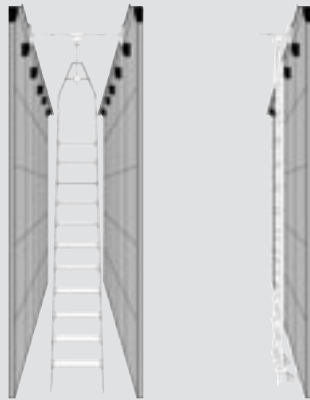
Mobile shelf ladders FRD

Runs on 2 rails between the rows of shelving, permitting both longitudinal and lateral movement. Automatic-braking on top and bottom castor assemblies. Quiet running on plastic castors, Ø 100 mm. Releasing a spring-loaded lock enables the ladder to be rotated 360° on the castor headpiece and it can therefore be ascended from either side, as required. The ladder can be retracted to enable it to be moved on the top castor gear.

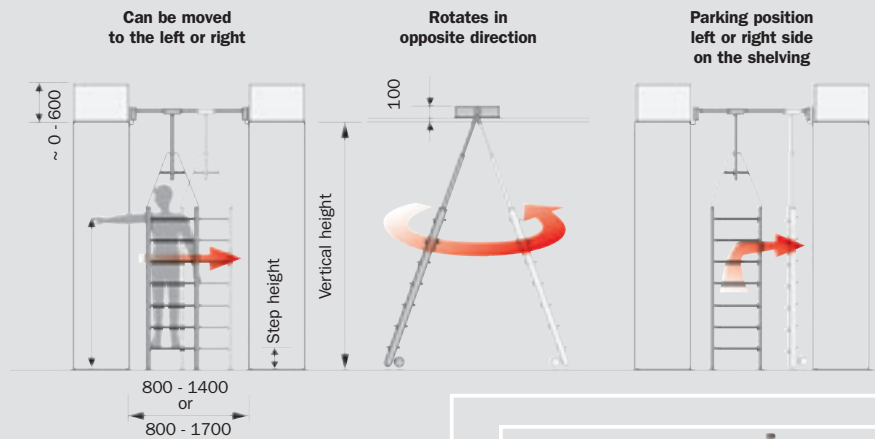
Stringers of rectangular, lightweight steel tubing with rounded edges. Painted: Green, powder-coated.

For aisle widths up to 1400 mm with guide tube for sideways motion; for aisle widths up to 1700 mm with swivel castor device for sideways motion. Ladder width 400 mm.

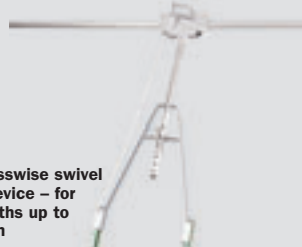
Steps in varnished beech with non-slip grooves. Galvanised fittings. Ladder width 400 mm, step depth 80 mm. Distance between steps measured along the stringers 250 mm, measured vertically 235 mm.



FRD ladder on the guide rails, and stored against shelving when not in use



With guide tube – for aisle widths up to 1400 mm



With crosswise swivel castor device – for aisle widths up to 1700 mm



Hand grip

Made from tubular steel, galvanised. For screwing onto the upper end of the stringer. Useable length approx. 500 mm. Self-assembly.

Item	For ladders	Order no.
FRS-HG	FRS	16310

Item	For shelf height (mm)	Quantity steps	For vertical height from - to (mm)	Max. working height (mm)	Max. step height (mm)	Order no.
For aisle widths up to 1400 mm – with guide tube						
FRD 1-14	2171	5	1910 - 2060	1970	470	14330
FRD 2-14	2500	6	2140 - 2290	2210	710	14340
FRD 3-14	2700	7	2380 - 2530	2440	940	14341
FRD 4-14	2900	8	2610 - 2760	2680	1180	14342
FRD 5-14	3100	9	2850 - 3000	2920	1420	14343
FRD 6-14	3300	10	3080 - 3230	3150	1650	14344
FRD 7-14	3500	11	3320 - 3470	3390	1890	14345
FRD 8-14	3800	12	3550 - 3700	3620	2120	14346
FRD 9-14	4000	13	3790 - 3940	3860	2360	14347
For aisle widths up to 1700 mm – with crosswise swivel castor device						
FRD 1-17	2171	5	1970 - 2120	1970	470	14351
FRD 2-17	2500	6	2210 - 2360	2210	710	14352
FRD 3-17	2700	7	2440 - 2590	2440	940	14353
FRD 4-17	2900	8	2680 - 2830	2680	1180	14354
FRD 5-17	3100	9	2910 - 3060	2920	1420	14355
FRD 6-17	3300	10	3150 - 3300	3150	1650	14356
FRD 7-17	3500	11	3380 - 3530	3390	1890	14357
FRD 8-17	3800	12	3620 - 3770	3620	2120	14358
FRD 9-17	4000	13	3850 - 4000	3860	2360	14359



Hand rails

Made from tubular steel, galvanised. For anchor fitting left and right to the stringer. Tilted outwards giving more freedom of movement on the ladder. Self-assembly.

Item	For ladders	Order no.
FR-HL 1	FRS 0+1/FRD 1-3	16311
FR-HL 2	FRS 1.1-2/FRD 4-6	16312
FR-HL 3	FRS 2.1-3/FRD 7-9	16313

i More information on shelf ladders and accessories

on request



Mobile platform and step ladders



FPR mobile platform ladders

Stringers of rectangular, lightweight steel tubing with rounded edges, green powdercoated. Varnished beech steps, 150 mm wide. Inclination 60°. Platform 600 x 800 mm. Accessible from both sides. With 4 swivel castors, Ø 125 mm. Stops automatically when stepped on to. For interior use.

Item	Height* (mm)	Quantity steps*	Base W x L (mm)	Order no.
FPR 1	730	3	750 x 1500	16761
FPR 2	970	4	800 x 1770	16760
FPR 3	1210	5	850 x 2050	16762
FPR 4	1450	6	900 x 2330	16770
FPR 5	1690	7	950 x 2600	16771

* up to platform

FSZ step ladder

Stringers of rectangular, lightweight steel tubing with rounded edges, green powdercoated. Steps and safety bridge in varnished beech. Folds up. Stops automatically when stepped on to.

Accessible on both sides. Can be folded up using extension- und compression-proof spreader lock.

Dimensions: step depth 80 mm, step spacing 250 mm, castors Ø 100 mm.



Item	Height (mm)	Quantity steps*	Stringer length (mm)	Order no.
With 4 brake castors – can be moved in the longitudinal direction				
FSZ 0-4B	710	3	1310	16781
FSZ 1-4B	940	4	1540	16780
FSZ 11-4B	1180	5	1780	16782
FSZ 2-4B	1410	6	2010	16790
FSZ 21-4B	1650	7	2250	16791
With 2 swivel and 2 brake castors – can be moved around corners				
FSZ 0-2B	710	3	1310	16300
FSZ 1-2B	940	4	1540	16301
FSZ 11-2B	1180	5	1780	16302
FSZ 2-2B	1410	6	2010	16303
FSZ 21-2B	1650	7	2250	16304

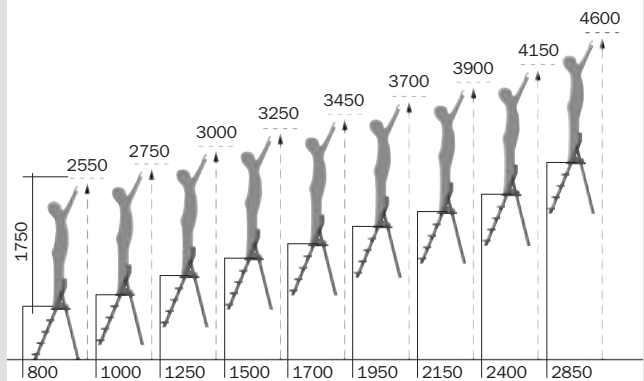
* incl. safety bridge

Mobile platform ladders

- ▶ **Stringers**
of rectangular, lightweight steel tubing with rounded edges
- ▶ **Accessible on both sides**
- ▶ **Automatic braking**
- ▶ **Smooth-running**
thanks to large castors (Ø 125 mm)
- ▶ **High level of safety**
thanks to the 2-sided platform rails with knee and foot panels, excellent stability

Maximum achievable working heights

Dimensions in mm



FSZ 3 step ladder

As for FSZ, but with 2 lifting castors.

Hand grips not included. Please order separately – see page B77.

Dimensions: step depth 80 mm, step spacing 250 mm, castors Ø 100 mm.



Item	Height (mm)	Quantity steps*	Stringer length (mm)	Order no.
With 2 lifting castors – can be moved using a push cart principle				
FSZ 3-2 HR	1880	3	2480	16800
FSZ 4-2 HR	2120	4	2720	16801
FSZ 5-2 HR	2350	5	2950	16802
FSZ 6-2 HR	2820	6	3420	16803

* incl. safety bridge

Accessories for platform and step ladders, shelf trolley

FSZ hand grips

For simple lifting and moving, galvanised.



Item	For ladders	Order no.
Z-HG	FSZ	16314

FSZ shelves

Attached to the safety hook, with edging.



Item	For ladders	Order no.
FSZ-AB	FSZ	16315

On-line trolley with shelves

Sturdy welded tubular steel frame. With adjustable shelves for Euro-Fix containers. The height, depth and angle of the shelves can be individually adjusted. Light grey, RAL 7035.

Item	Number of bases	W x D x H (mm)	Order no.
BSWL6K	2	685 x 510 x 1100	167320
ALB06	Matching support base	610 x 410	167340
BSWL10K	3	1030 x 645 x 1730	167330
ALB10	Matching support base	950 x 410	167350



Fix table trolley

Reinforced tubular steel design (Ø 25 mm), 2 plate metal bases and 4 rubber-edged unit swivel castors (Ø 75 mm) with thread protection, including 2 with locks. Optional handrails available, height can be adjusted between 850 - 950 mm.

Painted silver.

Load bearing capacity 50 kg. Dimensions L 680 x W 540 x H 680 mm.



Item	Dim. (mm)	Order no.
FT 1	For containers 14/7-1	10720
FTB 1	Handrail for FT 1 W 480	15070
FT 2	For containers 14/7-2	10730
FTB 2	Handrail for FT 2 W 325	15080

Rolla-Fix

One fixed and 4 adjustable height transverse arms for housing semi-open front storage containers 14/7-2, 14/7-3 or 14/7-4. Slots in the transverse arms for push-on mandrels.

Painted reseda green, RAL 6011.

Load bearing capacity 600 kg. Dimensions: L 725 x D 600 x H 1600 mm.



Item	Dim. (mm)	Order no.
RF-a	With 4 feet H 100	10650
RF-b	With swivel/fixed castors Ø 200	10660
RF-D	Push-on mandrels L 400 x Ø 14	10670
RF-T	Worktable L 630 x W 450 x H 200/25	10680
RF-Q	Transverse arms (incl. screws)	10690

Shelf trolleys with ladders

For order-picking and parts access. Sturdy steel construction. Lightweight steel ladder with rounded edges, painted silver. Plastic handrail. Beech steps with non-slip grooves, ladder automatically stops when stepped on.

2 recessed shelves to secure stored goods when in motion with. With 2 swivel and 2 fixed castors, Ø 125 mm, rubber tyres.

When not in use, the ladder runs on 2 swivel castors.

Shelf trolleys with conductive finish available on request.

Item	L x W x H/overall height (mm)	No. of steps/ to height (mm)	Order no.
RWL 4579	705 x 530 x 790/1740	5/1200	20610
RWL 4509	1055 x 530 x 790/1740	5/1200	20630
RWL 4512	1055 x 530 x 1105/1976	6/1436	20650

