

# Shelving Systems

## Pallet and Cantilever Shelving System



Pallet shelving systems



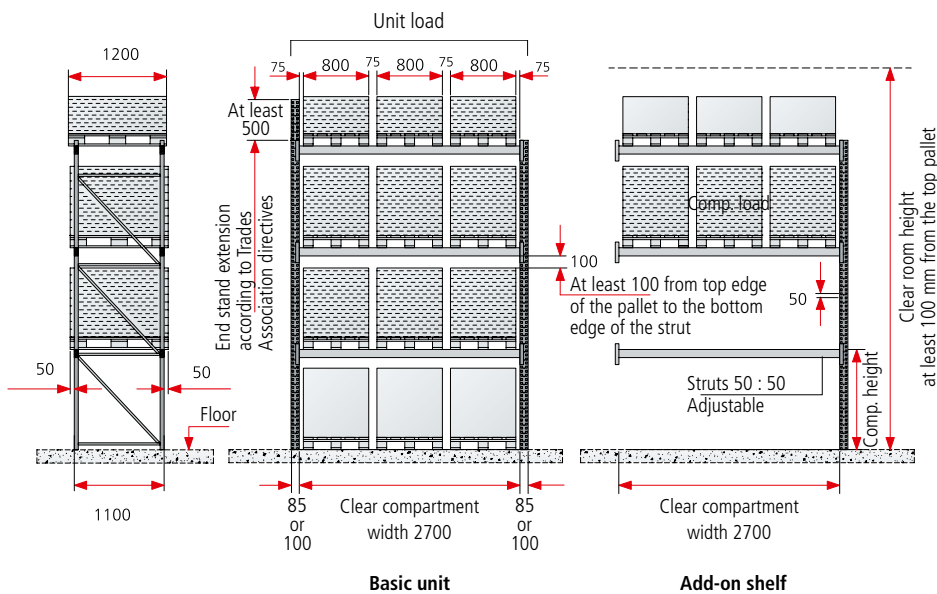
Cantilever shelving systems



## Pallet shelving systems

### Efficient, orderly and sturdy

Pallet shelving helps to store mainly palletised goods. Pallets and containers stand neatly on top of or next to each other. The items can be arranged from individual shelves to large installations, depending on the available space and stored goods. Pallet shelving systems are designed in such a way that almost the entire load capacity can be used.



### Planning note

Basic unit	Add-on shelf
Stand 85/17 + 85/20: Nominal length + 170 mm	Stand 85/17 + 85/20: Nominal length + 85 mm
Stand 100/20: Nominal length + 200 mm	Stand 100/20: Nominal length + 100 mm

### Selecting stands/struts

1. Determine the compartment load
2. Calculate the unit load from the sum of compartment loads
3. For selecting struts from stand type and compartment load, see page 7
4. For selecting the stand from unit load and compartment height, see page 6

# Pallet shelving is the ideal solution for efficient, orderly and flexible pallet and goods storage



## Safety Note

Load dimensions may exceed the nominal dimensions!

Control unit lifting height: Top edge of top strut + 200 mm.

The unit load specification refers to units which consist of one basic unit and at least three add-on units and have at least three strut pairs per unit.



# Pallet shelving systems 1500/2200/2400

## Pallet shelving systems

### Full packages



### Planning dimensions & load specs

Total width*:	Basic unit = Strut length + 170 mm Add-on shelf = Strut length + 85 mm
Total depth:	= Frame depth
Unit load	Up to 7500 kg
Comp. load	Up to 2400 kg

\* Specifications refer to the complete shelving systems on this double page.

### Safety Note

The compartment loads apply to even distribution of load. Additional compartment levels are possible up to the max. unit load.

### i Features

- Optimum solution for efficient, orderly and flexible pallet and goods storage
- Four metal brackets, height-adjustable in 50 mm increments
- Longitudinal and traverse storage possible
- Closed box sections ensure high stability
- Stands consisting of cold worked profiles which are bolted on the floor on-site
- The shelving system is a quality certified product according to RAL-RG 614/2 and bears the GS mark
- Static verification: based on DIN EN 15512

## Full packages for pallet shelving systems 1500/2400 for light to medium-heavy loading

Storage levels plus floor storage level. Load specifications for compartment height 1000 mm. Version: Stand galvanised. Struts plastic coated, RAL 2001 red orange.

### 2700 mm

Height mm	Depth mm	Number of shelves	Strut profile	Comp. load kg	Unit load kg	Basic unit		Add-on shelf	
						Art No.		Art No.	
2700	800	2	85/15	1500	5250	287.912.000		287.930.000	
2700	1100	2	85/15	1500	5250	287.913.000		287.931.000	
3300	800	2	85/15	1500	5250	287.918.000		287.936.000	
3300	1100	2	85/15	1500	5250	287.919.000		287.937.000	
4400	800	3	85/15	1500	6950	287.924.000		287.942.000	
4400	1100	3	85/15	1500	6950	287.925.000		287.943.000	
2700	800	2	100/20	2400	7500	287.914.000		287.932.000	
2700	1100	2	100/20	2400	7500	287.915.000		287.933.000	
3300	800	2	100/20	2400	7500	287.920.000		287.938.000	
3300	1100	2	100/20	2400	7500	287.921.000		287.939.000	
4400	800	3	100/20	2400	7450	287.926.000		287.944.000	
4400	1100	3	100/20	2400	7450	287.927.000		287.945.000	

## Full packages for pallet shelving systems 2200 for light to medium-heavy loading

Storage levels plus floor storage level. Load specifications for compartment height 1000 mm. Version: Stand galvanised. Struts plastic coated, RAL 2001 red orange.

### 1800 mm

Height mm	Depth mm	Number of shelves	Strut profile	Comp. load kg	Unit load kg	Basic unit		Add-on shelf	
						Art No.		Art No.	
2700	800	2	85/15	2200	7500	287.910.000		287.928.000	
2700	1100	2	85/15	2200	7500	287.911.000		287.929.000	
3300	800	2	85/15	2200	7500	287.916.000		287.934.000	
3300	1100	2	85/15	2200	7500	287.917.000		287.935.000	
4400	800	3	85/15	2200	7450	287.922.000		287.940.000	
4400	1100	3	85/15	2200	7450	287.923.000		287.941.000	



# Pallet shelving systems

## Shelving component parts Stands



### Stand disassembled

Version: Cold worked profiles which are bolted on the floor, galvanised.

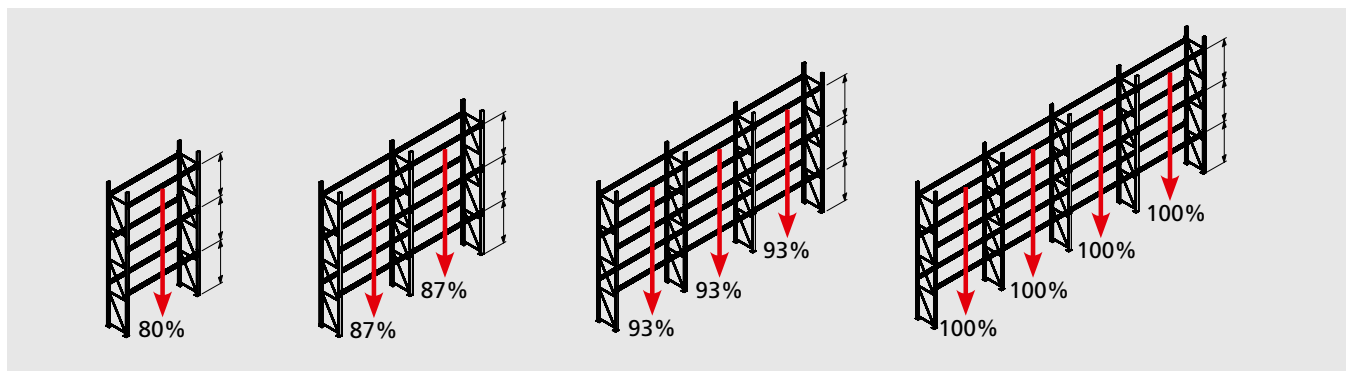
#### Stand 85/17

#### Stand 85/20

#### Stand 100/20

Height mm	Depth 800 mm		Depth 1100 mm		Depth 800 mm		Depth 1100 mm		Depth 800 mm		Depth 1100 mm	
	Art No.		Art No.		Art No.		Art No.		Art No.		Art No.	
2200	287.966.000		287.969.000		287.500.000		287.507.000		287.972.000		287.979.000	
2700	287.528.000		287.532.000		287.501.000		287.508.000		287.973.000		287.980.000	
3300	287.529.000		287.533.000		287.502.000		287.509.000		287.974.000		287.981.000	
3800	287.967.000		287.970.000		287.503.000		287.510.000		287.975.000		287.982.000	
4400	287.530.000		287.534.000		287.504.000		287.511.000		287.976.000		287.983.000	
4900	287.968.000		287.971.000		287.505.000		287.512.000		287.977.000		287.984.000	
5500	287.531.000		287.535.000		287.506.000		287.513.000		287.978.000		287.985.000	

### Unit loads



Unit loads		Compartment width ≤ 2700 mm						Compartment width > 2700 ≤ 3600 mm		
Stand type	Compartment height mm	Strut profiles						Strut profiles		
		85/15 kg	85/20 kg	100/20 kg	120/20 kg	140/15 kg	155/17 kg	120/20 kg	140/15 kg	155/17 kg
SR 85/17	1000	7300	7300	7300	7350	–	–	7250	–	–
	1500	6750	6750	6800	6800	–	–	6750	–	–
	2000	6300	6300	6400	6450	–	–	6300	–	–
SR 85/20	1000	9600	9700	9700	10000	10000	10000	9100	9300	9900
	1500	8650	8900	8950	9200	9200	9250	8300	8800	9150
	2000	7800	7950	8250	8600	8700	8750	7800	8500	8650
SR 100/20	1000	13100	13600	13300	13650	14000	14000	12600	12800	13000
	1500	9400	12100	12450	12800	13200	13200	11900	12250	12500
	2000	8000	10400	11250	12000	12200	12200	10850	11600	11950

The stand load refers to shelving with a max. height from 8 metres (top strut) to 12 m on request. The loads refer to shelving with:

■ at least 4 units ■ at least 3 strut levels ■ evenly distributed load ■ of a compartment width ≤ 2700 mm or > 2700 mm and ≤ 3600 mm.

For compartment widths larger than 2700, a strut of HN 120-20 should be used. Reduce the unit loads for smaller strut cross-sections of these compartment widths.

In this case, please arrange a consultation. The unit loads depend on the stand/strut combination. Please ask for specific information on the individual project.

Higher unit loads up to 25 t with the stand type 120/25 on request.



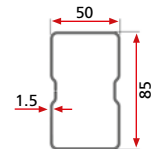
# Struts

## Struts

The specified loads of each stand type have max. loads (kg) for each strut pair for compartment height 1500 mm. For each shelving system structure, the max. compartment loads may vary. Version: plastic coated, RAL 2001 red orange.

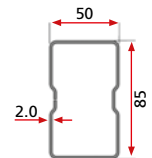
### Struts HN 85/15

Width mm	85/17	85/20	100/20	Art No.
1800	2200	2250	2300	<b>287.536.000</b>
2200	1900	1950	2000	<b>287.537.000</b>
2700	1500	1550	1600	<b>287.538.000</b>



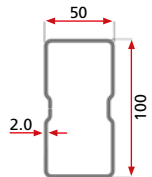
### Struts HN 85/20

Width mm	85/17	85/20	100/20	Art No.
1800	2650	2700	2750	<b>287.539.000</b>
2200	2250	2300	2300	<b>287.540.000</b>
2700	1700	1750	1800	<b>287.541.000</b>



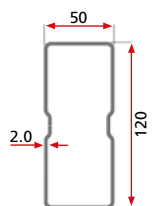
### Struts HN 100/20

Width mm	85/17	85/20	100/20	Art No.
1800	3300	3350	3400	<b>287.542.000</b>
2700	2400	2400	2450	<b>287.543.000</b>



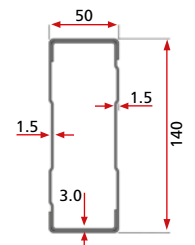
### Struts HN 120/20

Width mm	85/17	85/20	100/20	Art No.
1800	4000	4100	4150	<b>287.544.000</b>
2200	3400	3500	3500	<b>287.545.000</b>
2700	2900	3000	3000	<b>287.546.000</b>
3300	2450	2500	2500	<b>287.547.000</b>
3600	2100	2150	2200	<b>287.548.000</b>



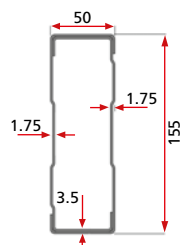
### Struts HN 140/15

Width mm	85/17	85/20	100/20	Art No.
2700	3700	4050	4400	<b>287.960.000</b>
3300	3000	3400	3750	<b>287.961.000</b>
3600	2750	3100	3450	<b>287.962.000</b>



### Struts HN 155/17

Width mm	85/17	85/20	100/20	Art No.
2700	-	5250	5500	<b>287.963.000</b>
3300	-	4350	4700	<b>287.964.000</b>
3600	-	4000	4350	<b>287.965.000</b>



# Pallet shelving systems

## Shelving accessories



### Safety stop for pallet shelving, lightweight specification

Surface galvanised or painted in RAL 2001 red orange.

Length mm	Description	For pallet overhang 50 mm		For pallet overhang 100 mm	
		Art No.		Art No.	
1800	Galvanised	287.648.000		287.658.000	
2200	Galvanised	287.650.000		287.660.000	
2700	Galvanised	287.652.000		287.662.000	
3300	Galvanised	287.654.000		287.664.000	
3600	Galvanised	287.656.000		287.666.000	
1800	Painted, RAL 2001	287.649.000		287.659.000	
2200	Painted, RAL 2001	287.651.000		287.661.000	
2700	Painted, RAL 2001	287.653.000		287.663.000	
3300	Painted, RAL 2001	287.655.000		287.665.000	
3600	Painted, RAL 2001	287.657.000		287.667.000	



### Safety stop for pallet shelving, heavyweight specification

Surface painted in RAL 2001 red orange.

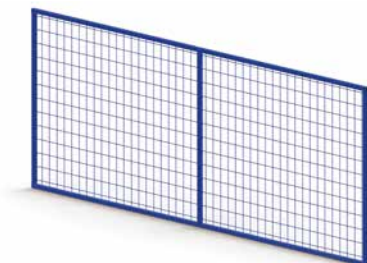
Length mm	Description	For pallet overhang 50 mm		For pallet overhang 100 mm	
		Art No.		Art No.	
1800	Painted, RAL 2001	288.152.000		288.157.000	
2200	Painted, RAL 2001	288.153.000		288.158.000	
2700	Painted, RAL 2001	288.154.000		288.159.000	
3300	Painted, RAL 2001	288.155.000		288.160.000	
3600	Painted, RAL 2001	288.156.000		288.161.000	



### Levelling plates

To level out uneven floors.

Height mm	Description	Art No.	
1	Galvanised	287.956.000	
2	Galvanised	287.957.000	



### Rear gratings

Following the BGR 234 guidelines, shelving with rear gratings protect stored goods from falling down; this applies to transport routes and work areas. Surface plastic coated, RAL 5010 gentian blue, without fixing accessory.

Length mm	Height mm	Description	Art No.	
1800	500	Plastic coated	287.636.000	
2200	500	Plastic coated	287.637.000	
2700	500	Plastic coated	287.638.000	
3300	500	Plastic coated	287.639.000	
3600	500	Plastic coated	287.640.000	
1800	1100	Plastic coated	287.641.000	
2200	1100	Plastic coated	287.642.000	
2700	1100	Plastic coated	287.643.000	
3300	1100	Plastic coated	287.644.000	
3600	1100	Plastic coated	287.645.000	





### Fastening sets for rear gratings

1 set per rear grating. Galvanised surface.

Fastening set with	Art No.	
Pallet overhang 50 mm, universal for all stand types	<b>287.646.000</b>	
Pallet overhang 100 mm, universal for all stand types	<b>287.647.000</b>	



### Locking pin for multiple struts

Description	Art No.	
For each strut, two locking pins should be inserted	<b>288.162.000</b>	



### Spacers

Required for double shelving systems.

Length mm	Description	Art No.	
<b>100</b>	Galvanised	<b>287.593.000</b>	
<b>200</b>	Galvanised	<b>287.594.000</b>	



### Upright guard

Protects shelving uprights at entrances and passages, in compliance with the requirements of BGR234 and DIN EN 15512, complete with 4 screw anchors.

Height mm	Description	Art No.	
<b>400</b>	Signal colours black/yellow	<b>287.597.000</b>	



### U-shaped upright guard

Protects shelving uprights, complete with screw anchors.

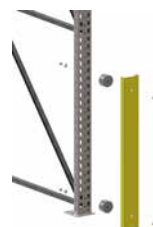
Height mm	Description	Art No.	
<b>400</b>	Signal colours black/yellow	<b>286.000.000</b>	



### Upright protection

With rubber buffer, complete with assembly accessories. Surface painted in RAL 1003 signal yellow. Protects the lower area of the stand uprights against industrial truck damage.

Stand width mm	Height mm	Art No.	
<b>85</b>	970	<b>287.598.000</b>	
<b>100</b>	970	<b>287.599.000</b>	



### Guard panel for shelving fronts

Upright guard in signal colours black /yellow, complete with assembly accessories, protects shelving fronts. Height 400 mm.

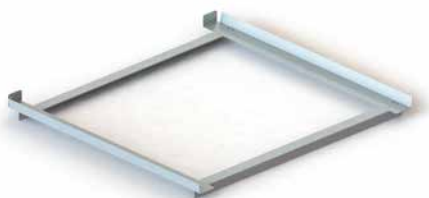
Description	Art No.	
For single shelf unit 800	<b>287.600.000</b>	
For single shelf unit 1100	<b>287.601.000</b>	
For double shelf unit 800 + spacer 200	<b>287.602.000</b>	
For double shelf unit 1100 + spacer 200	<b>287.603.000</b>	





## Shelving accessories

### Angle and depth supports



#### Lightweight angle support

With side and rear raised edges as safety stop, supplied disassembled. Load 250 kg (per pair). Surface galvanised or painted in RAL 2001 red orange.

Shelving depth mm	Description	Art No.	
800	Galvanised	<b>287.585.000</b>	
1100	Galvanised	<b>287.586.000</b>	
800	Painted, RAL 2001	<b>287.587.000</b>	
1100	Painted, RAL 2001	<b>287.588.000</b>	

#### Heavy angle support

With side and rear raised edges as safety stop, supplied disassembled. Load 1150 kg (per pair). Surface galvanised or painted in RAL 2001 red orange.

Shelving depth mm	Description	Art No.	
800	Galvanised	<b>287.589.000</b>	
1100	Galvanised	<b>287.590.000</b>	
800	Painted, RAL 2001	<b>287.591.000</b>	
1100	Painted, RAL 2001	<b>287.592.000</b>	



#### Stepped depth support

For chipboard of 19 mm or 38 mm. Lifting capacity increase, see table of chipboard shelves Price per piece. Surface painted in RAL 2001 red orange.

Depth mm	Description	Height 19 mm		Height 38 mm	
		Art No.		Art No.	
800	Painted, RAL 2001	<b>287.561.000</b>		<b>287.563.000</b>	
1100	Painted, RAL 2001	<b>287.562.000</b>		<b>287.564.000</b>	



#### Lightweight depth support

Required for traverse storage of Euro pallets. Load capacity per pair. Surface galvanised or painted in RAL 2001 red orange.

Depth mm	Description	kg	Art No.	
800	Galvanised	1100	<b>287.553.000</b>	
1100	Galvanised	1100	<b>287.554.000</b>	
800	Painted, RAL 2001	1100	<b>287.555.000</b>	
1100	Painted, RAL 2001	1100	<b>287.556.000</b>	



#### Heavyweight depth support

Required for traverse storage of Euro pallets. Load capacity per pair. Surface hot-dip galvanised or painted in RAL 2001 red orange.

Depth mm	Description	kg	Art No.	
800	Hot-dip galvanised	1500	<b>287.557.000</b>	
1100	Hot-dip galvanised	1500	<b>287.558.000</b>	
800	Painted, RAL 2001	1500	<b>287.559.000</b>	
1100	Painted, RAL 2001	1500	<b>287.560.000</b>	

## Shelves

### Chipboard shelf with stepped depth support, without struts

Chipboard 38 mm, the chipboard top edge is flush with the strut top edge to prevent damage to chipboard during storage and retrieval. Compartment load increase per additional depth support = 600 kg, depth support RAL 2001 red orange.

Compartment width mm	Compartment depth mm	Comp. load kg	Number of supports	Art No.
1800	800	1220	3	287.575.000
2200	800	1020	3	287.576.000
2700	800	1710	4	287.577.000
3300	800	1410	4	287.578.000
3600	800	2440	6	287.579.000
1800	1100	1680	3	287.580.000
2200	1100	1400	3	287.581.000
2700	1100	2360	4	287.582.000
3300	1100	2020	4	287.583.000
3600	1100	3360	6	287.584.000



### Chipboard shelf complete with centring plate, without struts

Chipboard shelf 38 mm, surface natural, complete with centring plate on the strut. To provide protection during passage in vehicles and on foot – in accordance with BGR 234 directives. Application in order picking areas, carton and box storage.

Compartment width mm	Compartment depth mm	Comp. load kg	Art No.
1800	800	1406	287.626.000
2200	800	1718	287.627.000
2700	800	2109	287.628.000
3300	800	2577	287.629.000
3600	800	2811	287.630.000
1800	1100	706	287.631.000
2200	1100	863	287.632.000
2700	1100	1059	287.633.000
3300	1100	1295	287.634.000
3600	1100	1413	287.635.000



### Wire mesh in place, without struts

Mesh size 50 x 40 mm. Wire mesh shelf made up of several elements, secure supports through overlaying rim (outside edge 50 mm). Surface hot-dip galvanised.

Compartment width mm	Compartment depth mm	Support rod mm	Pallet load kg	Art No.
1800	800	30 x 1.7	850	288.163.000
2200	800	30 x 1.7	850	288.164.000
2700	800	30 x 1.7	850	288.165.000
3300	800	30 x 1.7	850	288.166.000
3600	800	30 x 1.7	850	288.167.000
1800	1100	40 x 2.0	850	288.168.000
2200	1100	40 x 2.0	850	288.169.000
2700	1100	40 x 2.0	850	288.170.000
3300	1100	40 x 2.0	850	288.171.000
3600	1100	40 x 2.0	850	288.172.000





## Cantilever shelving systems

### For light and medium loads requirements

The cantilever shelving systems can be adapted to local requirements. Goods of widely differing dimensions and weights can be stored at the same time. The cantilevers are screwed to the vertical stands in increments of 100 mm. This means that the individual storage levels can be adjusted to suit the goods to be stored. This space-saving storage system minimizes the amount of space required. Cantilever shelving systems can be used from one side or from both sides. Any change in the storage requirements can be catered for at any time by adapting and extending the shelf units since the cantilevers are height-adjustable.



#### Cantilever shelving system for boards

For safe, space-saving storage, the packaged boards rest on a flat surface.



#### Cantilever shelving systems for pallet-stored goods

Ideal for storing packaged goods of varying dimensions.



#### Cantilever shelving system for cut timber

For neat and orderly storage of various timber products.

### i Benefits

- Fast access to goods
- Enables neat arrangement and orderly storage
- Complete safety in the workplace

Cantilever shelving systems for heavy load requirements on request.

Cantilever shelving systems are the practical solution for the horizontal storage of heavy and long goods.



**Standard colour**



Gentian blue  
RAL 5010

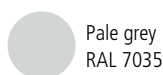
**Galvanised cantilevers and other standard colours available on request**



Flame red  
RAL 3000



Sky blue  
RAL 5015



Pale grey  
RAL 7035



Narcissus yellow  
RAL 1007



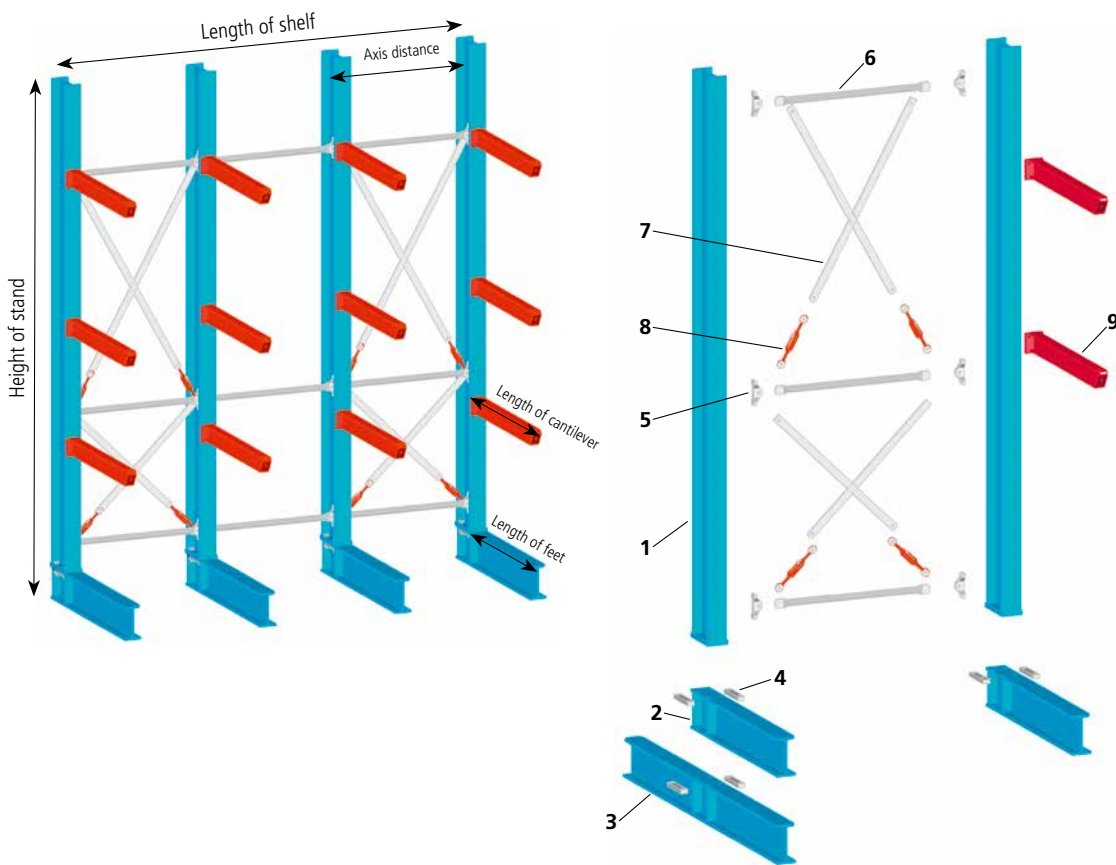
Reseda green  
RAL 6011

Due to the printing process, these colour samples may deviate from the original colours.

## Cantilever shelving systems for light load requirements with height-adjustable cantilevers



- 1 Stand
- 2 Foot, single-sided
- 3 Foot, double-sided
- 4 Liner
- 5 Mount for horizontal brace
- 6 Horizontal brace
- 7 Diagonal brace
- 8 Turnbuckle
- 9 Cantilever



### **i** Features

- For vertical and horizontal long load storage, storage of boards and panels
- Hot-rolled profiles
- Cantilevers, height-adjustable in increments of 100 mm
- Design: Cantilever screwed to stand, painted in RAL 5010 gentian blue

### Planning dimensions & load specs

Width of basic unit:	Axis dimension + 64 mm
Depth of single-sided unit:	Depth + 120 mm
Depth of double-sided unit:	2 x depth + 120 mm

### Safety Note

Protect shelf units with a height/depth ratio  $\geq 5:1$  against tilting (wall or floor anchor).

## **D ↗** 400 mm

### Cantilever shelving systems **kg 220, height-adjustable**

Basic unit is supplied with 2 cantilever stands, add-on unit is supplied with 1 cantilever stand.

## **W →** 1000 mm Axis dimension

<b>H ↑</b> mm	Number of arms	Stand load, single-sided <b>kg</b>	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
2000	4	1750	Single-sided	289.300.000		289.303.000	
2500	4	1610	Single-sided	289.301.000		289.304.000	
3000	5	1500	Single-sided	289.302.000		289.305.000	
2000	2 x 4	1750	Double-sided	289.306.000		289.309.000	
2500	2 x 4	1610	Double-sided	289.307.000		289.310.000	
3000	2 x 5	1500	Double-sided	289.308.000		289.311.000	

## **W →** 1300 mm Axis dimension

<b>H ↑</b> mm	Number of arms	Stand load, single-sided <b>kg</b>	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
2000	4	1750	Single-sided	289.312.000		289.315.000	
2500	4	1610	Single-sided	289.313.000		289.316.000	
3000	5	1500	Single-sided	289.314.000		289.317.000	
2000	2 x 4	1750	Double-sided	289.318.000		289.321.000	
2500	2 x 4	1610	Double-sided	289.319.000		289.322.000	
3000	2 x 5	1500	Double-sided	289.320.000		289.323.000	

### Cantilever stands **kg 220, height-adjustable**

<b>H ↑</b> mm	Depth mm	Stand load, single-sided <b>kg</b>	Description	Ref. No.	
2000	400	1750	Single-sided	289.324.000	
2500	400	1610	Single-sided	289.325.000	
3000	400	1500	Single-sided	289.326.000	
2000	400	1750	Double-sided	289.327.000	
2500	400	1610	Double-sided	289.328.000	
3000	400	1500	Double-sided	289.329.000	

### Additional cantilever **kg 220**

Arm load <b>kg</b>	Depth mm	Height mm	Ref. No.	
220	400	80	289.330.000	




## Cantilever shelving systems for light load requirements with height-adjustable cantilevers

### 500 mm




#### Cantilever shelving systems 175, height-adjustable

Basic unit is supplied with 2 cantilever stands, add-on unit is supplied with 1 cantilever stand.




### 1000 mm Axis dimension

 	Number of arms	Stand load, single-sided 	Description	Basic unit		Add-on unit	
				mm	Ref. No.	Ref. No.	Ref. No.
2000	4	1450	Single-sided		<b>289.331.000</b>		<b>289.334.000</b>
2500	4	1300	Single-sided		<b>289.332.000</b>		<b>289.335.000</b>
3000	5	1200	Single-sided		<b>289.333.000</b>		<b>289.336.000</b>
2000	2 x 4	1450	Double-sided		<b>289.337.000</b>		<b>289.340.000</b>
2500	2 x 4	1300	Double-sided		<b>289.338.000</b>		<b>289.341.000</b>
3000	2 x 5	1200	Double-sided		<b>289.339.000</b>		<b>289.342.000</b>


### 1300 mm Axis dimension

 	Number of arms	Stand load, single-sided 	Description	Basic unit		Add-on unit	
				mm	Ref. No.	Ref. No.	Ref. No.
2000	4	1450	Single-sided		<b>289.343.000</b>		<b>289.346.000</b>
2500	4	1300	Single-sided		<b>289.344.000</b>		<b>289.347.000</b>
3000	5	1200	Single-sided		<b>289.345.000</b>		<b>289.348.000</b>
2000	2 x 4	1450	Double-sided		<b>289.349.000</b>		<b>289.352.000</b>
2500	2 x 4	1300	Double-sided		<b>289.350.000</b>		<b>289.353.000</b>
3000	2 x 5	1200	Double-sided		<b>289.351.000</b>		<b>289.354.000</b>

#### Cantilever stands 175, height-adjustable

 	Depth mm	Stand load, single-sided 	Description	Ref. No.
mm				
2000	500	1450	Single-sided	<b>289.355.000</b>
2500	500	1300	Single-sided	<b>289.356.000</b>
3000	500	1200	Single-sided	<b>289.357.000</b>
2000	500	1450	Double-sided	<b>289.358.000</b>
2500	500	1300	Double-sided	<b>289.359.000</b>
3000	500	1200	Double-sided	<b>289.360.000</b>

#### Additional cantilever 175

Arm load 	Depth mm	Height mm	Ref. No.
<b>175</b>	500	80	<b>289.361.000</b>





## **D ↗ 600 mm**

### Cantilever shelving systems **kg 140, height-adjustable**

Basic unit is supplied with 2 cantilever stands, add-on unit is supplied with 1 cantilever stand.

## **W → 1000 mm** Axis dimension

<b>H ↑</b> mm	Number of arms	Stand load, single-sided <b>kg</b>	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
<b>2000</b>	4	1300	Single-sided	<b>289.362.000</b>		<b>289.365.000</b>	
<b>2500</b>	4	1120	Single-sided	<b>289.363.000</b>		<b>289.366.000</b>	
<b>3000</b>	5	1000	Single-sided	<b>289.364.000</b>		<b>289.367.000</b>	
<b>2000</b>	2 x 4	1300	Double-sided	<b>289.368.000</b>		<b>289.371.000</b>	
<b>2500</b>	2 x 4	1120	Double-sided	<b>289.369.000</b>		<b>289.372.000</b>	
<b>3000</b>	2 x 5	1000	Double-sided	<b>289.370.000</b>		<b>289.373.000</b>	

## **W → 1300 mm** Axis dimension

<b>H ↑</b> mm	Number of arms	Stand load, single-sided <b>kg</b>	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
<b>2000</b>	4	1300	Single-sided	<b>289.374.000</b>		<b>289.377.000</b>	
<b>2500</b>	4	1120	Single-sided	<b>289.375.000</b>		<b>289.378.000</b>	
<b>3000</b>	5	1000	Single-sided	<b>289.376.000</b>		<b>289.379.000</b>	
<b>2000</b>	2 x 4	1300	Double-sided	<b>289.380.000</b>		<b>289.383.000</b>	
<b>2500</b>	2 x 4	1120	Double-sided	<b>289.381.000</b>		<b>289.384.000</b>	
<b>3000</b>	2 x 5	1000	Double-sided	<b>289.382.000</b>		<b>289.385.000</b>	

### Cantilever stands **kg 140, height-adjustable**

<b>H ↑</b> mm	Depth mm	Stand load, single-sided <b>kg</b>	Description	Ref. No.	
<b>2000</b>	600	1300	Single-sided	<b>289.386.000</b>	
<b>2500</b>	600	1120	Single-sided	<b>289.387.000</b>	
<b>3000</b>	600	1000	Single-sided	<b>289.388.000</b>	
<b>2000</b>	600	1300	Double-sided	<b>289.389.000</b>	
<b>2500</b>	600	1120	Double-sided	<b>289.390.000</b>	
<b>3000</b>	600	1000	Double-sided	<b>289.391.000</b>	

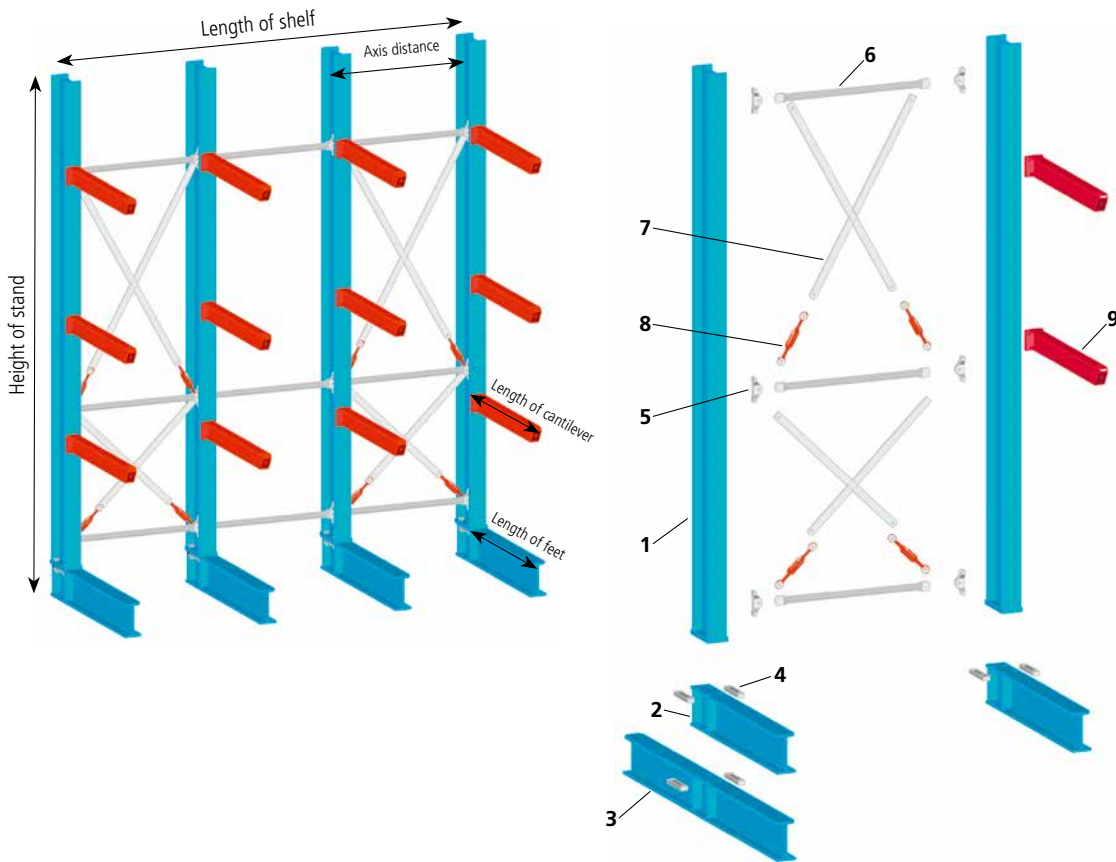
### Additional cantilever **kg 140**

Arm load <b>kg</b>	Depth mm	Height mm	Ref. No.	
<b>140</b>	600	80	<b>289.392.000</b>	

## Cantilever shelving systems for medium load requirements with height-adjustable cantilevers



- 1 Stand
- 2 Foot, single-sided
- 3 Foot, double-sided
- 4 Liner
- 5 Mount for horizontal brace
- 6 Horizontal brace
- 7 Diagonal brace
- 8 Turnbuckle
- 9 Cantilever



### **i** Features

- For vertical and horizontal long load storage, storage of boards and panels
- Hot-rolled profiles
- Cantilevers, height-adjustable in increments of 100 mm
- Design: Cantilever screwed to stand, painted in RAL 5010 gentian blue

### Planning dimensions & load specs

Width of basic unit:	Axis dimension + 73 mm
Depth of single-sided unit:	depth + 140 mm
Depth of double-sided unit:	2 x depth + 140 mm

### Safety Note

Protect shelf units with height/depth ratio  $\geq 5:1$  against tilting (wall or floor anchor).



## **D ↗ 400 mm**

### **Cantilever shelving systems 535, height-adjustable**

Basic unit is supplied with 2 cantilever stands, add-on unit is supplied with 1 cantilever stand.

## **W → 1000 mm** Axis dimension

<b>H ↑</b> mm	Number of arms	Stand load, single-sided	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
2000	4	2880	Single-sided	<b>289.393.000</b>		<b>289.396.000</b>	
2500	4	2500	Single-sided	<b>289.394.000</b>		<b>289.397.000</b>	
3000	5	2300	Single-sided	<b>289.395.000</b>		<b>289.398.000</b>	
2000	2 x 4	2880	Double-sided	<b>289.399.000</b>		<b>289.402.000</b>	
2500	2 x 4	2500	Double-sided	<b>289.400.000</b>		<b>289.403.000</b>	
3000	2 x 5	2300	Double-sided	<b>289.401.000</b>		<b>289.404.000</b>	

## **W → 1300 mm** Axis dimension

<b>H ↑</b> mm	Number of arms	Stand load, single-sided	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
2000	4	2880	Single-sided	<b>289.405.000</b>		<b>289.408.000</b>	
2500	4	2500	Single-sided	<b>289.406.000</b>		<b>289.409.000</b>	
3000	5	2300	Single-sided	<b>289.407.000</b>		<b>289.410.000</b>	
2000	2 x 4	2880	Double-sided	<b>289.411.000</b>		<b>289.414.000</b>	
2500	2 x 4	2500	Double-sided	<b>289.412.000</b>		<b>289.415.000</b>	
3000	2 x 5	2300	Double-sided	<b>289.413.000</b>		<b>289.416.000</b>	

### **Cantilever stands 535, height-adjustable**

<b>H ↑</b> mm	Depth mm	Stand load, single-sided	Description	Ref. No.	
2000	400	2880	Single-sided	<b>289.417.000</b>	
2500	400	2500	Single-sided	<b>289.418.000</b>	
3000	400	2300	Single-sided	<b>289.419.000</b>	
2000	400	2880	Double-sided	<b>289.420.000</b>	
2500	400	2500	Double-sided	<b>289.421.000</b>	
3000	400	2300	Double-sided	<b>289.422.000</b>	

### **Additional cantilever 535**

Arm load 	Depth mm	Height mm	Ref. No.	
<b>535</b>	400	80	<b>289.423.000</b>	




## Cantilever shelving systems for medium load requirements with height-adjustable cantilevers

### 500 mm




#### Cantilever shelving systems 430, height-adjustable

Basic unit is supplied with 2 cantilever stands, add-on unit is supplied with 1 cantilever stand.




### 1000 mm Axis dimension

  mm	Number of arms	Stand load, single-sided 	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
2000	4	2340	Single-sided	289.424.000		289.427.000	
2500	4	2200	Single-sided	289.425.000		289.428.000	
3000	5	2000	Single-sided	289.426.000		289.429.000	
2000	2 x 4	2340	Double-sided	289.430.000		289.433.000	
2500	2 x 4	2200	Double-sided	289.431.000		289.434.000	
3000	2 x 5	2000	Double-sided	289.432.000		289.435.000	

### 1300 mm Axis dimension

  mm	Number of arms	Stand load, single-sided 	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
2000	4	2340	Single-sided	289.436.000		289.439.000	
2500	4	2200	Single-sided	289.437.000		289.440.000	
3000	5	2000	Single-sided	289.438.000		289.441.000	
2000	2 x 4	2340	Double-sided	289.442.000		289.445.000	
2500	2 x 4	2200	Double-sided	289.443.000		289.446.000	
3000	2 x 5	2000	Double-sided	289.444.000		289.447.000	

#### Cantilever stands 430, height-adjustable

  mm	Depth mm	Stand load, single-sided 	Description	Ref. No.	
2000	500	2340	Single-sided	289.448.000	
2500	500	2200	Single-sided	289.449.000	
3000	500	2000	Single-sided	289.450.000	
2000	500	2340	Double-sided	289.451.000	
2500	500	2200	Double-sided	289.452.000	
3000	500	2000	Double-sided	289.453.000	

#### Additional cantilever 430

Arm load 	Depth mm	Height mm	Ref. No.	
430	500	80	289.454.000	



## **D ↗ 600 mm**

### Cantilever shelving systems 355, height-adjustable

Basic unit is supplied with 2 cantilever stands, add-on unit is supplied with 1 cantilever stand.

## **W → 1000 mm** Axis dimension

<b>H ↑</b> mm	Number of arms	Stand load, single-sided	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
2000	4	2000	Single-sided	<b>289.455.000</b>		<b>289.458.000</b>	
2500	4	1900	Single-sided	<b>289.456.000</b>		<b>289.459.000</b>	
3000	5	1750	Single-sided	<b>289.457.000</b>		<b>289.460.000</b>	
2000	2 x 4	2000	Double-sided	<b>289.461.000</b>		<b>289.464.000</b>	
2500	2 x 4	1900	Double-sided	<b>289.462.000</b>		<b>289.465.000</b>	
3000	2 x 5	1750	Double-sided	<b>289.463.000</b>		<b>289.466.000</b>	

## **W → 1300 mm** Axis dimension

<b>H ↑</b> mm	Number of arms	Stand load, single-sided	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
2000	4	2000	Single-sided	<b>289.467.000</b>		<b>289.470.000</b>	
2500	4	1900	Single-sided	<b>289.468.000</b>		<b>289.471.000</b>	
3000	5	1750	Single-sided	<b>289.469.000</b>		<b>289.472.000</b>	
2000	2 x 4	2000	Double-sided	<b>289.473.000</b>		<b>289.476.000</b>	
2500	2 x 4	1900	Double-sided	<b>289.474.000</b>		<b>289.477.000</b>	
3000	2 x 5	1750	Double-sided	<b>289.475.000</b>		<b>289.478.000</b>	

### Cantilever stands 355, height-adjustable

<b>H ↑</b> mm	Depth mm	Stand load, single-sided	Description	Ref. No.	
2000	600	2000	Single-sided	<b>289.479.000</b>	
2500	600	1900	Single-sided	<b>289.480.000</b>	
3000	600	1750	Single-sided	<b>289.481.000</b>	
2000	600	2000	Double-sided	<b>289.482.000</b>	
2500	600	1900	Double-sided	<b>289.483.000</b>	
3000	600	1750	Double-sided	<b>289.484.000</b>	

### Additional cantilever 355

Arm load 	Depth mm	Height mm	Ref. No.	
<b>355</b>	600	80	<b>289.485.000</b>	




## Cantilever shelving systems for medium load requirements with height-adjustable cantilevers

### 800 mm




#### Cantilever shelving systems 250, height-adjustable

Basic unit is supplied with 2 cantilever stands, add-on unit is supplied with 1 cantilever stand.




### 1000 mm Axis dimension

  mm	Number of arms	Stand load, single-sided 	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
2000	4	1650	Single-sided	289.486.000		289.489.000	
2500	4	1500	Single-sided	289.487.000		289.490.000	
3000	5	1250	Single-sided	289.488.000		289.491.000	
2000	2 x 4	1650	Double-sided	289.492.000		289.495.000	
2500	2 x 4	1500	Double-sided	289.493.000		289.496.000	
3000	2 x 5	1250	Double-sided	289.494.000		289.497.000	


### 1300 mm Axis dimension

  mm	Number of arms	Stand load, single-sided 	Description	Basic unit		Add-on unit	
				Ref. No.		Ref. No.	
2000	4	1650	Single-sided	289.498.000		289.501.000	
2500	4	1500	Single-sided	289.499.000		289.502.000	
3000	5	1250	Single-sided	289.500.000		289.503.000	
2000	2 x 4	1650	Double-sided	289.504.000		289.507.000	
2500	2 x 4	1500	Double-sided	289.505.000		289.508.000	
3000	2 x 5	1250	Double-sided	289.506.000		289.509.000	

#### Cantilever stands 250, height-adjustable

  mm	Depth mm	Stand load, single-sided 	Description	Ref. No.	
				2000	800
2500	800	1500	Single-sided	289.511.000	
3000	800	1250	Single-sided	289.512.000	
2000	800	1650	Double-sided	289.513.000	
2500	800	1500	Double-sided	289.514.000	
3000	800	1250	Double-sided	289.515.000	

#### Additional cantilever 250

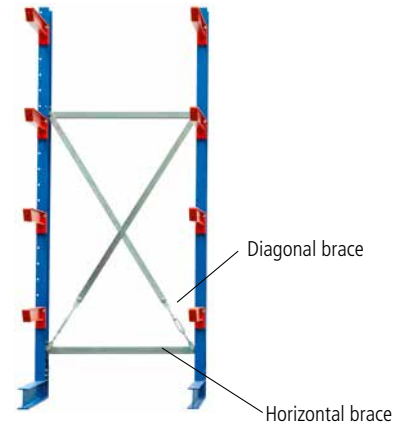
Arm load 	Depth mm	Height mm	Ref. No.	
250	800	80	289.516.000	

## Shelving accessories for light and medium load requirements

### Diagonal brace

The diagonal braces serve to strengthen the cantilever shelving system and are fastened to the horizontal braces between the shelving units by means of adjustable turnbuckles. For a normal load, these are fitted at every fifth or sixth section. At least one diagonal brace per shelf unit.

For shelf height mm	Ref. No.	
2000	289.517.000	
2500	289.518.000	
3000	289.531.000	



### Horizontal brace

The horizontal braces are fitted between the stands and ensure that the axis distance between the stands is correct (2 connectors needed for each section).

For axis dimension mm	Ref. No.	
1000	289.519.000	
1300	289.520.000	

### Roll stop

To prevent the stored goods from rolling off the shelf. The roll stop can be inserted into the end section of the cantilever, made from hot-dip galvanized tapered steel tube.

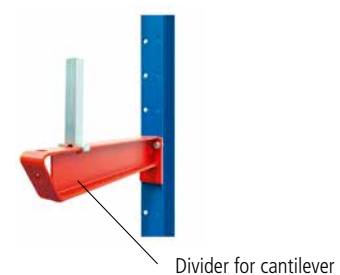
Height mm	Ref. No.	
100	289.521.000	



### Divider

Dividers are used to subdivide the cantilevers or the feet of the stands; made from hot-dip galvanized tubular steel.

Height mm	For cantilever		For foot of stand	
	Ref. No.		Ref. No.	
120	289.522.000		289.526.000	
200	289.523.000		289.527.000	
300	289.524.000		289.528.000	
400	289.525.000		289.529.000	



### Floor anchor

Anchor for fastening feet of stand to load-bearing floor plate (2 anchors required for each foot).

Designation	Ref. No.	
Floor anchor	289.530.000	

