

# miracel

Network Racks

1.2 to 1.34

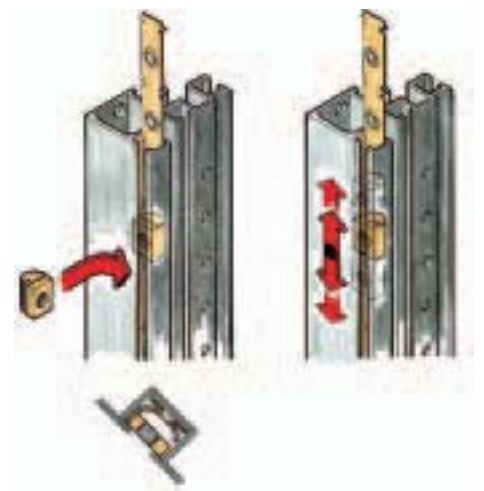


# 19" NetworkRack

<b>miracel</b>	
Strong points	1.3
<b>miracel NS 25</b>	
Distribution Rack	1.6
<b>miracel NS 26</b>	
Distribution Rack	1.7
<b>miracel NS 19.8</b>	
Distribution Rack	1.8
<b>miracel NS 19.6</b>	
Distribution Rack	1.9
<b>miracel NS 19.8 D</b>	
Distribution Rack	
With swing frame	1.10
<b>miracel NG 800</b>	
Network Equipment Rack	1.11
<b>miracel NO 19</b>	
Lab Rack	1.12
<b>miracel Accessories</b>	
Rack Connector	1.13
Extrusions	1.14
HU Tape Measure	1.15
Swing Frame	1.16
Design Doors	1.18
Doors	1.21
Plinth	1.24
Bottom Cover	1.26
Locking Set	1.27
Earthing Set	1.27
Side Panel	1.28
Rear Panel	1.29
Top Cover	1.30
Fan Units	1.32
Front Panel, Adjustable	1.34



MIR00528

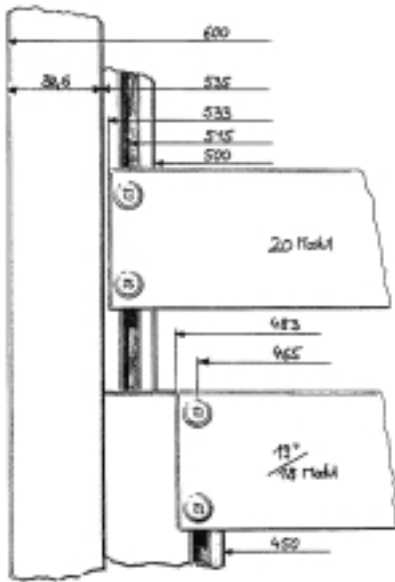


1 MIR00139

**miracel**  
Strong points

- 1 Modular construction**  
Simple mounting, including all non-standard components - variable and in the integrated 19" or 25 mm increments.
- 2 Forward-thinking**  
Security for the future and flexibility with integration of 19" and metric technology.
- 3 Expandable at all times**  
System expansions can be easily implemented while maintaining the IP protection rating.

- 4 Cable management**  
Guaranteed orderly and space-saving cable management. Adjustment at installation site, cable management can be selected from extensive range of accessory components.
- 5 Flexible ventilation components**  
The correct ventilation solution is always provided by the corresponding selection of accessory components. This allows the air-flow to be specially adapted to the built-in components. Through the perforated bottom covers, top covers and doors, for example.



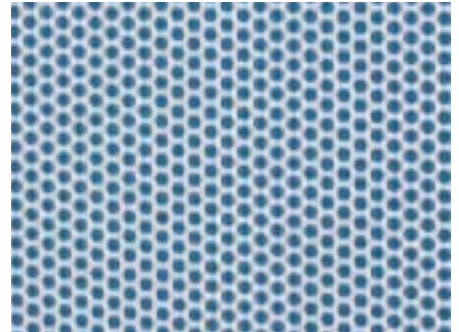
2 MIR20122



3 TEC00028



4 MEC20084



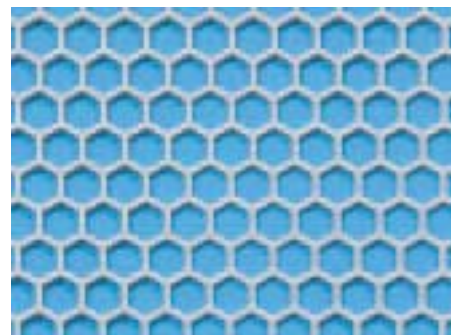
5 MIR20052



4 MIR00143



4 MIR00427

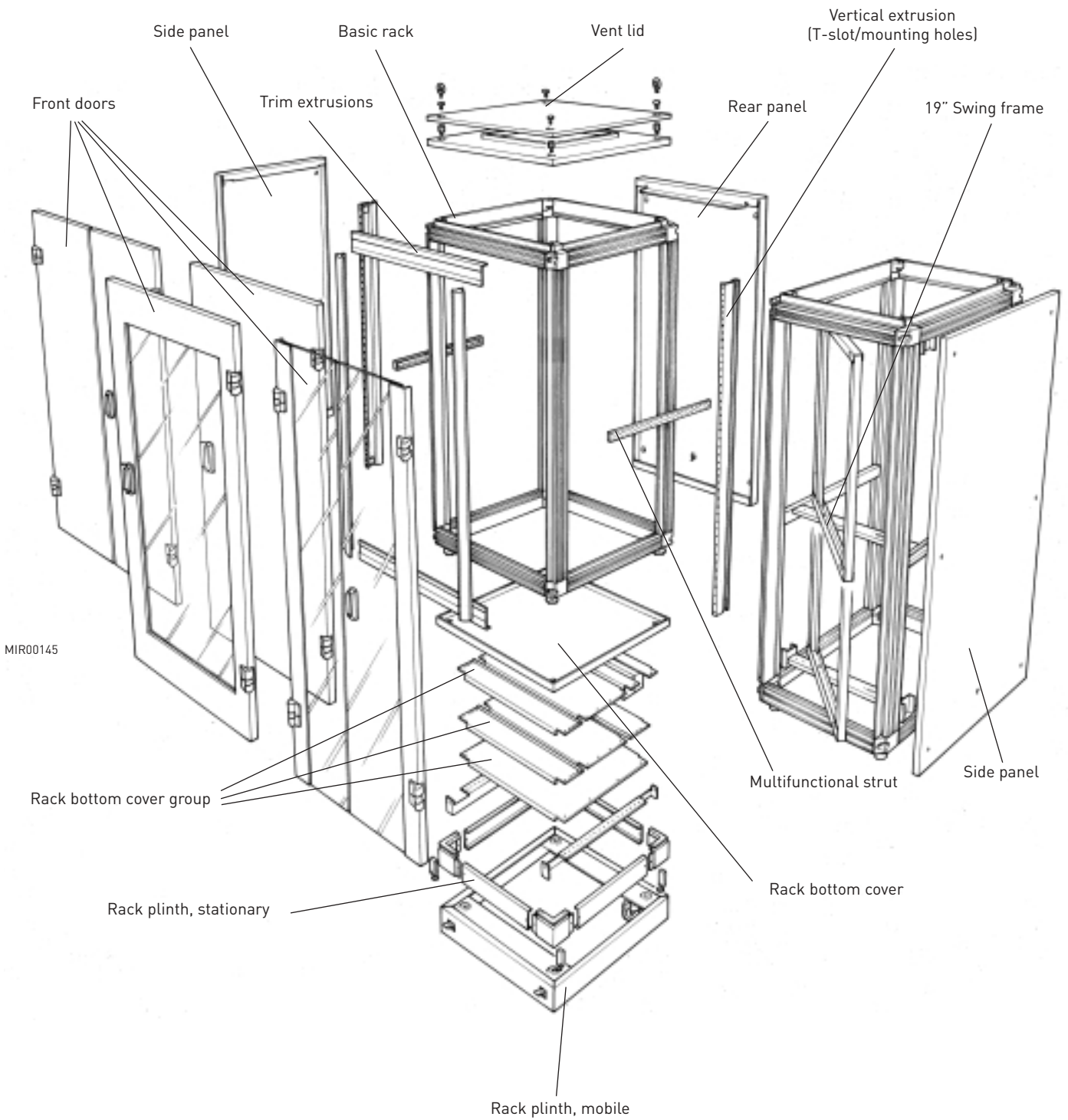


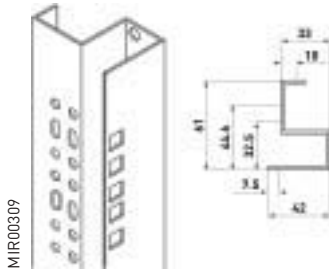
5 MIR20265



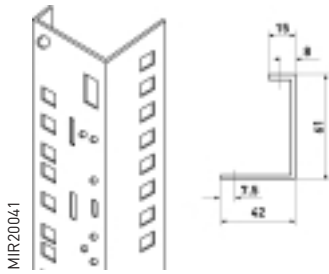
5 LUF20028

# 19" RACK

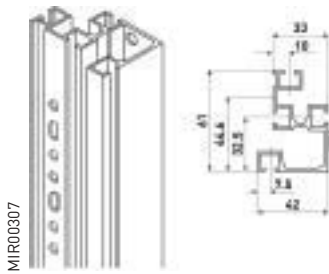




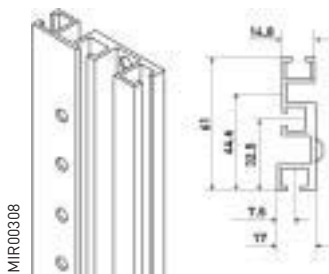
**Vertical extrusion with mounting holes**  
Steel for 19" racks



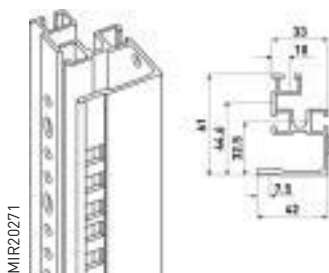
**19" Server extrusion**



**Vertical extrusion with T-slot**  
Aluminium for 19" construction



**Vertical extrusion with T-slot**  
Aluminium for metric construction, 20 module



**Vertical extrusion with mounting holes**  
Aluminium for 19" racks

## miracel 19" Rack Technical data

### Material

- Extruded aluminium
- Corner piece, die-cast aluminium
- Covers, sheet steel, zinc passivated
- Doors, sheet steel or with single safety glass panel, 4 mm or 6 mm (double doors)

### Installation dimensions in accordance with IEC 297-3 and IEC 917

- Height: 23 HU / 37 HU / 41 HU / 46 HU  
(1 HU (or 1U) = 44.45 mm)  
66 module / 74 module / 82 module  
(1 module = 25 mm)
- Width: 482.6 mm (19" construction)  
535 mm (20" module construction)

### Space solution

- 82% of the basic surface can be used as space for installation and cable routing
- Front jumpering space, 123 mm or 73 mm
- Door opening angle, 180°

### Configurations

- Stationary, on levelling feet
- Stationary with plinth
- Mobile with plinth and snib

### Finish / Colour

- Basic rack, polished
- Door trim, black, RAL 9011

- Visible surface of the covers, powder-coated, light-grey RAL 7035 or dark-grey RAL 7021

### Static load rating

- 5000 N with stationary version
- 3000 N with mobile plinth

### Heat transfer

- Power loss with
- Closed top cover, up to 500 W
- Vent lid, up to 700 W

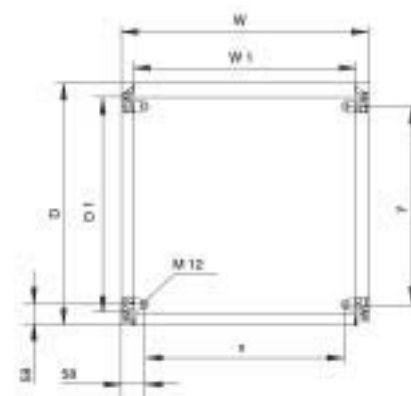
### Tests according to model

- Vibration test in accordance with MIL-STD 810 E
- IP test in accordance with IEC 529
- UL test 1244
- NEMA 12 Standard
- EMC shielding attenuation in accordance with MIL-STD 285 (10 MHz - 30 MHz) and VG 95 373 Part 15 (30 MHz-1GHz)
- Vibration and shock test in accordance with ETS 300 019
- Seismic test, Bellcore (NEBS) TR-NWT 000063 Zone 4
- Earthing, VDE 0 100 T 540

Further standards and tests on request.

### Rack suites

- To create a rack suite with number of racks "n", you require:
- n-1 racks without side panels and 1 rack with side panels
- In a rack suite, per connection you require one set of suite connectors



MIR00332

W [mm]	W1 [mm]	X [mm]
600	535	485
700	635	585
800	735	685
900	835	785

D [mm]	D1 [mm]	Y [mm]
600	530	485
800	730	685
900	830	785
1000	930	885
1200	1130	1085



MIR00470

## miracel 19" Distribution Rack, NS 25 Width 800, front glass door, T-slot extrusions

- With fixed 19" installation on the front and rear for components in accordance with IEC 297-3
- Installation of chassis rails and 19" shelves possible
- Flexible mounting of components with T-slot
- Cable entry via plinth and top cover
- Heat loss discharge via vent lid
- Door opening angle, 180°

**Jumping space**  
Front, 123 mm

**Load rating**  
5000 N static

**Protection rating**  
IP 40 (upgradeable to IP 55)

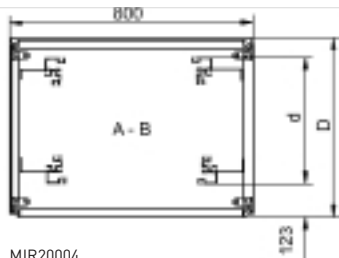
- Tests**
- Earthing in accordance with VDE 0100 T 540
  - Shock and vibration test in accordance with MIL-STD 810 E
  - IP test in accordance with DIN 40 050 / IEC 529

- Material / Finish**
- Basic rack, extruded aluminium, polished
  - Corner piece, die-cast aluminium, polished
  - Covers, zinc-passivated sheet steel, powder-coated texture
  - Doors, sheet steel, powder-coated texture
  - Glass infill, front door, single safety glass panel, 4 mm
  - Multifunctional strut, sheet steel, zinc-passivated

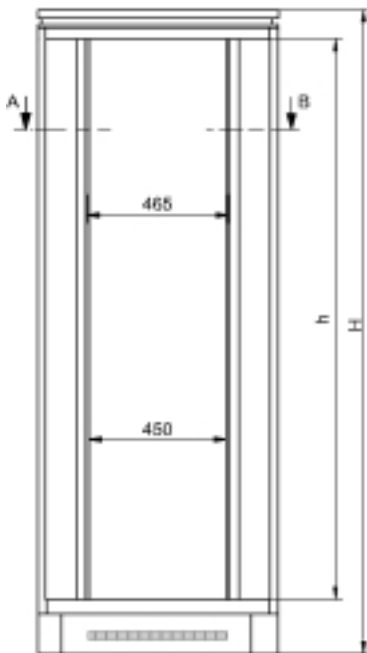
- Colour**
- Final digit of order number .1:**
- Door trims, RAL 9011 black
  - Visible surface of the covers, RAL 7035 light-grey
- Final digit of order number .8:**
- Door trim, RAL 9011 black
  - Visible surface of the covers, dark-grey RAL 7021

- Supply schedule**
- 1 Basic rack
  - 4 Aluminium vertical extrusions with T-slot and increment slide for spring nut M5
  - 2 Multifunctional struts for cable clamping and universal mounting options
  - 2 Side panels with quick connectors
  - 1 Top cover with vent lid and integrated cable entry
  - 1 Front door, single, single safety glass panel, with handle and mounting for cylinder lock
  - 1 Rear door, single, sheet steel, with handle and mounting for cylinder lock
  - 1 Plinth for cable management on the side and rear with levelling feet (0-25 mm)
  - 2 Plinth trims for front and rear, with vent slots and fixing for filter mat
  - 2 Plinth trims, closed
  - 1 Complete earthing set (VDE 0100)

**How supplied**  
Assembled



MIR20004



MIR20004

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

= Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

W	H	D	HU/U h	d	kg	Model	Order no.	UP
800	2120	600	41	1852	365	112	side panels/RAL 7035	<b>01.136.044.1</b> 1 unit
800	2120	600	41	1852	365	112	side panels/RAL 7021	<b>01.136.044.8</b> 1 unit
800	2120	800	41	1852	565	120	side panels/RAL 7035	<b>01.136.050.1</b> 1 unit
800	2120	800	41	1852	565	120	side panels/RAL 7021	<b>01.136.050.8</b> 1 unit
800	2320	800	46	2052	565	130	side panels/RAL 7035	<b>01.136.051.1</b> 1 unit
800	2320	800	46	2052	565	130	side panels/RAL 7021	<b>01.136.051.8</b> 1 unit
800	2120	900	41	1852	665	124	side panels/RAL 7035	<b>01.136.056.1</b> 1 unit
800	2120	900	41	1852	665	124	side panels/RAL 7021	<b>01.136.056.8</b> 1 unit
800	2320	900	46	2052	665	134	side panels/RAL 7035	<b>01.136.057.1</b> 1 unit
800	2320	900	46	2052	665	134	side panels/RAL 7021	<b>01.136.057.8</b> 1 unit
800	2120	1000	41	1852	740	140	side panels/RAL 7035	<b>01.127.970.1</b> 1 unit
800	2120	1000	41	1852	740	140	side panels/RAL 7021	<b>01.127.970.8</b> 1 unit
800	2120	600	41	1852	365	103	no side panels/RAL 7035	<b>01.136.244.1</b> 1 unit
800	2120	600	41	1852	365	103	no side panels/RAL 7021	<b>01.136.244.8</b> 1 unit
800	2120	800	41	1852	565	109	no side panels/RAL 7035	<b>01.136.250.1</b> 1 unit
800	2120	800	41	1852	565	109	no side panels/RAL 7021	<b>01.136.250.8</b> 1 unit
800	2120	900	41	1852	665	118	no side panels/RAL 7035	<b>01.136.256.1</b> 1 unit
800	2120	900	41	1852	665	118	no side panels/RAL 7021	<b>01.136.256.8</b> 1 unit
800	2120	1000	41	1852	740	128	no side panels/RAL 7035	<b>01.127.975.1</b> 1 unit
800	2120	1000	41	1852	740	128	no side panels/RAL 7021	<b>01.127.975.8</b> 1 unit



MIR00467

## miracel 19" Distribution Rack, NS 26 Width 800, front glass door, mounting hole extrusions

- With fixed 19" installation on the front and rear for components in acc. with IEC 297-3
- Installation of chassis rails and 19" shelves possible
- Door opening angle, 180°

**Jumping space**  
Front, 123 mm

**Load rating**  
5000 N static

**Protection rating**  
IP 40 (upgradeable to IP 55)

**Tests**

- Earthing in accordance with VDE 0100 T 540
- IP test in acc. with DIN 40 050 / IEC 529

**Material / Finish**

- Basic rack, extruded aluminium, polished
- Corner piece, die-cast aluminium, polished
- Covers, zinc-passivated sheet steel, powder-coated texture
- Doors, sheet steel, powder-coated texture, glass infill, front door, single safety glass panel, 4 mm
- Multifunctional struts and 19" extrusions, sheet steel, zinc-passivated

**Colour**

**Final digit of order number .1:**

- Door trim RAL 9011 black
- Visible surface of the covers, RAL 7035 light-grey

**Final digit of order number .8:**

- Door trims, RAL 9011 black
- Visible surface of the covers, dark-grey RAL 7021

**Supply schedule**

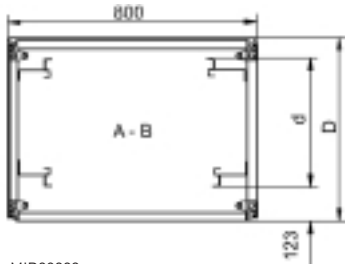
- 1 Basic rack
- 4 19" Vertical extrusions, sheet steel with mounting holes
- 2 Multifunctional struts for cable clamping and universal mounting options
- 2 Side panels with quick connectors
- 1 Top cover with integrated cable entry
- 1 Front door, single, single safety glass panel, with handle and mounting for cylinder lock
- 1 Rear door, single, sheet steel, with handle and mounting for cylinder lock
- 1 Complete earthing set (VDE 0100)
- 4 Levelling feet

**How supplied**

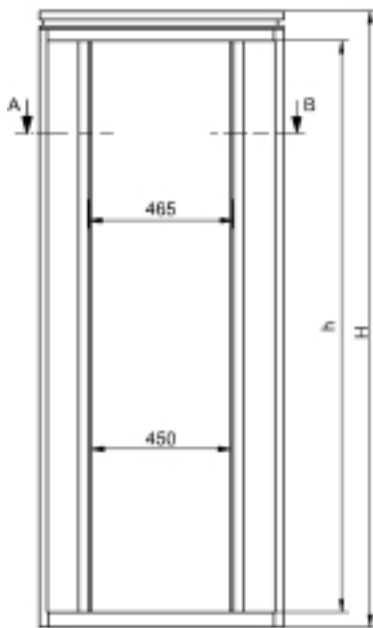
Assembled

**Note**

- Not available with double doors
- Not available with bottom covers



MIR20223



MIR20223

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

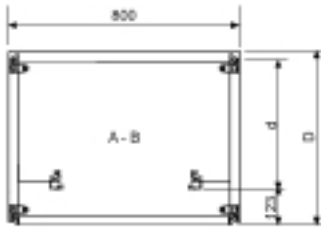
= Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

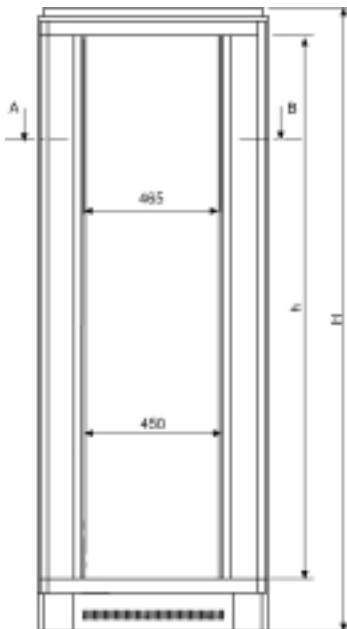
W	H	D	HU/U	h	d	kg	Model	Order no.	UP
800	2000	600	42	1900	365	108	side panels/RAL 7035	<b>01.136.274.1</b>	1 unit
800	2000	600	42	1900	365	108	side panels/RAL 7021	<b>01.136.274.8</b>	1 unit
800	2000	800	42	1900	565	116	side panels/RAL 7035	<b>01.136.280.1</b>	1 unit
800	2000	800	42	1900	565	116	side panels/RAL 7021	<b>01.136.280.8</b>	1 unit
800	2200	800	47	2100	565	126	side panels/RAL 7035	<b>01.136.281.1</b>	1 unit
800	2200	800	47	2100	565	126	side panels/RAL 7021	<b>01.136.281.8</b>	1 unit
800	2000	900	42	1900	665	120	side panels/RAL 7035	<b>01.136.286.1</b>	1 unit
800	2000	900	42	1900	665	120	side panels/RAL 7021	<b>01.136.286.8</b>	1 unit
800	2200	900	47	2100	665	120	side panels/RAL 7035	<b>01.136.287.1</b>	1 unit
800	2200	900	47	2100	665	120	side panels/RAL 7021	<b>01.136.287.8</b>	1 unit
800	2000	600	42	1900	365	99	no side panels/RAL 7035	<b>01.136.300.1</b>	1 unit
800	2000	600	42	1900	365	99	no side panels/RAL 7021	<b>01.136.300.8</b>	1 unit
800	2000	800	42	1900	565	105	no side panels/RAL 7035	<b>01.136.306.1</b>	1 unit
800	2000	800	42	1900	565	105	no side panels/RAL 7021	<b>01.136.306.8</b>	1 unit
800	2000	900	42	1900	665	116	no side panels/RAL 7035	<b>01.136.312.1</b>	1 unit
800	2000	900	42	1900	665	116	no side panels/RAL 7021	<b>01.136.312.8</b>	1 unit



MIR00469




MIR00607



MIR00607

Dimensions in mm: W = Width  
 H = Height  
 D = Depth  
 h = Installation height  
 d = Useable depth  
 L = Length

HU = Standard height unit  
 1 HU = 44.45 mm  
 UP = Unit of packaging  
 kg = Weight

 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

## miracel 19" Distribution Rack, NS 19.8 Width 800, front glass door

- With fixed 19" installation on the front for components in accordance with IEC 297-3
- Flexible mounting of components using T-slot
- Cable entry via plinth and top cover
- Heat loss discharge via vent lid
- Door opening angle, 180°

### Jumping space

Front, 123 mm

### Load rating

5000 N static

### Protection rating

IP 40 (upgradeable to IP 55)

### Tests

- Earthing in accordance with VDE 0100 T 540
- Shock and vibration test in acc. with MIL-STD 810 E
- IP test in acc. with DIN 40 050 / IEC 529

### Material / Finish

- Basic rack, extruded aluminium, polished
- Corner piece, die-cast aluminium, polished
- Covers, zinc-passivated sheet steel, powder-coated texture
- Doors, sheet steel, powder-coated texture, glass infill, front door, single safety glass panel
- Multifunctional struts, sheet steel, zinc-passivated

### Colour

- Door trim RAL 9011 black
- Visible surface of the covers, RAL 7035 light-grey

### Supply schedule

- 1 Basic rack
- 2 19" aluminium vertical extrusions with T-slot and increment slide for spring nut M5
- 2 Multifunctional struts for cable clamping and universal mounting options
- 1 Top cover with vent lid and integrated cable entry
- 1 Front door, single or double, single safety glass panel, with handle and mounting for cylinder lock
- 1 Rear door, single or double, sheet steel, with handle and mounting for cylinder lock
- 2 Side panels with quick connectors (according to model)
- 1 Plinth for cable management on the side and rear with levelling feet (0-25 mm)
- 2 Lateral plinth trims, closed (according to model)
- 2 Plinth trims for front and rear, with vent slots and fixing for filter mat
- 1 Complete earthing test (VDE 0100)

### How supplied

Assembled

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
800	1320	600	23	1052	435	78	Glass door, side panel	<b>01.135.001.1</b>	1 unit
800	1920	600	37	1652	435	103	Glass door, side panel	<b>01.135.003.1</b>	1 unit
800	2120	600	41	1852	435	112	Glass door, side panel	<b>01.135.004.1</b>	1 unit
800	2320	600	46	2052	435	121	Glass door, side panel	<b>01.135.005.1</b>	1 unit
800	1320	800	23	1052	635	80	Glass door, side panel	<b>01.135.019.1</b>	 1 unit
800	1920	800	37	1652	635	111	Glass door, side panel	<b>01.135.021.1</b>	 1 unit
800	2120	800	41	1852	635	120	Glass door, side panel	<b>01.135.022.1</b>	 1 unit
800	2320	800	46	2052	635	129	Glass door, side panel	<b>01.135.023.1</b>	1 unit
800	1320	600	23	1052	435	70	Glass door, no side panel	<b>01.135.007.1</b>	1 unit
800	1920	600	37	1652	435	95	Glass door, no side panel	<b>01.135.009.1</b>	1 unit
800	2120	600	41	1852	435	103	Glass door, no side panel	<b>01.135.010.1</b>	1 unit
800	2320	600	46	2052	435	112	Glass door, no side panel	<b>01.135.011.1</b>	1 unit
800	1320	800	23	1052	635	73	Glass door, no side panel	<b>01.135.025.1</b>	1 unit
800	1920	800	37	1652	635	101	Glass door, no side panel	<b>01.135.027.1</b>	1 unit
800	2120	800	41	1852	635	109	Glass door, no side panel	<b>01.135.028.1</b>	 1 unit
800	2320	800	46	2052	635	118	Glass door, no side panel	<b>01.135.029.1</b>	1 unit
800	1320	800	23	1052	635	80	Double glass door, side panel	<b>01.135.037.1</b>	1 unit
800	1920	800	37	1652	635	111	Double glass door, side panel	<b>01.135.039.1</b>	1 unit
800	2120	800	41	1852	635	120	Double glass door, side panel	<b>01.135.040.1</b>	 1 unit
800	2320	800	46	2052	635	121	Double glass door, side panel	<b>01.135.041.1</b>	1 unit
800	1320	800	23	1052	635	73	Double glass, no side panel	<b>01.135.043.1</b>	1 unit
800	1920	800	37	1652	635	101	Double glass, no side panel	<b>01.135.045.1</b>	1 unit
800	2120	800	41	1852	635	109	Double glass, no side panel	<b>01.135.046.1</b>	 1 unit
800	2320	800	46	2052	635	118	Double glass, no side panel	<b>01.135.047.1</b>	1 unit



MIR00031

## Distribution Rack, NS 19.6 Width 600, with front glass doors

- With fixed 19" installation on the front for components in acc. with IEC 297-3
- Flexible mounting of components using T-slot
- Cable entry via plinth and top cover
- Heat loss discharge via vent lid
- Door opening angle, 180°

**Jumpering space**  
Front, 123 mm

**Load rating**  
5000 N static

**Protection rating**  
IP 40 (upgradeable to IP 55)

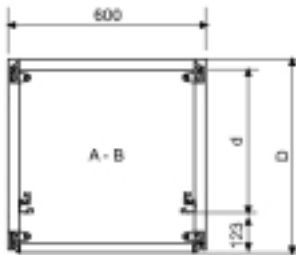
- Tests**
- Earthing in acc. with VDE 0100 T 540
  - Shock and vibration test in acc. with MIL-STD 810 E
  - IP test in acc. with DIN 40 050 / IEC 529

- Material / Finish**
- Basic rack, extruded aluminium, polished
  - Corner piece, die-cast aluminium, polished
  - Covers, zinc-passivated sheet steel, powder-coated texture
  - Doors, sheet steel, powder-coated texture, glass infill, front door, single safety glass panel, 4 mm
  - Multifunctional struts, sheet steel, zinc-passivated

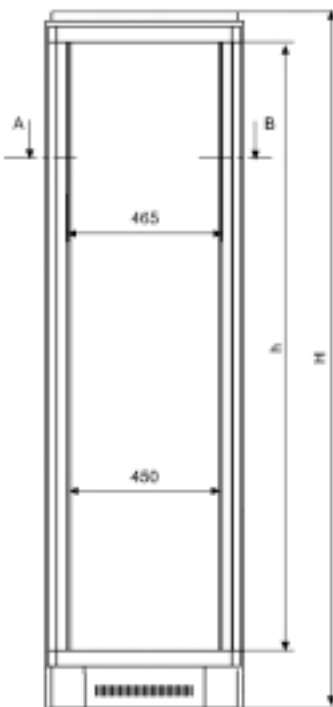
- Colour**
- Door trim, RAL 9011 black
  - Visible surface of the covers, RAL 7035 light-grey

- Supply schedule**
- 1 Basic rack
  - 2 19" aluminium vertical extrusions with T-slot and increment slide for spring nut M5
  - 2 Multifunctional struts for cable clamping and universal mounting options
  - 1 Top cover with vent lid and integrated cable entry
  - 1 Front door, single, single safety glass panel, with handle and mounting for cylinder lock
  - 1 Rear door, single, sheet steel, with handle and mounting for cylinder lock
  - 2 Side panels with quick connectors
  - 1 Plinth for cable management on the side and rear with levelling feet (0-25 mm)
  - 2 Lateral plinth trims, closed
  - 2 Plinth trims for front and rear, with vent slots and fixing for filter mat
  - 1 Complete earthing test (VDE 0100)

- How supplied**  
Assembled



MIR00056



MIR00116

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

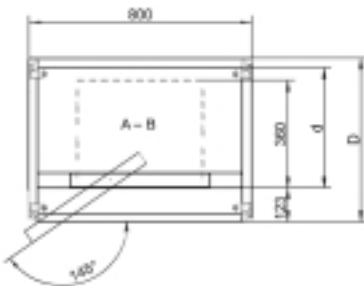
= Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

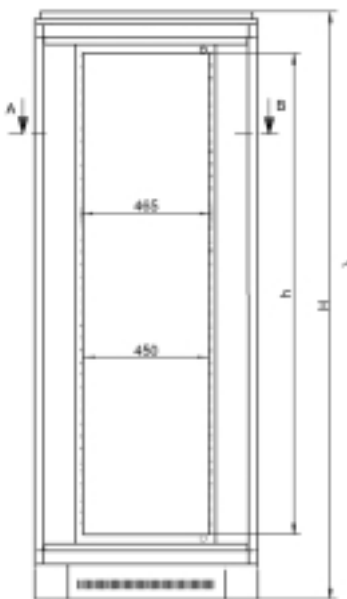
W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600	1320	600	23	1052	435	72	side panel	<b>01.135.109.1</b>	1 unit
600	1920	600	37	1652	435	95	side panel	<b>01.135.111.1</b>	1 unit
600	2120	600	41	1852	435	103	side panel	<b>01.135.112.1</b>	1 unit
600	2320	600	46	2052	435	112	side panel	<b>01.135.113.1</b>	1 unit
600	1320	800	23	1052	635	74	side panel	<b>01.135.127.1</b>	1 unit
600	1920	800	37	1652	635	102	side panel	<b>01.135.129.1</b>	1 unit
600	2120	800	41	1852	635	110	side panel	<b>01.135.130.1</b>	1 unit
600	2320	800	46	2052	635	119	side panel	<b>01.135.131.1</b>	1 unit
600	1320	600	23	1052	435	68	no side panel	<b>01.135.115.1</b>	1 unit
600	1920	600	37	1652	435	94	no side panel	<b>01.135.117.1</b>	1 unit
600	2120	600	41	1852	435	99	no side panel	<b>01.135.118.1</b>	1 unit
600	2320	600	46	2052	435	106	no side panel	<b>01.135.119.1</b>	1 unit
600	1320	800	23	1052	635	68	no side panel	<b>01.135.133.1</b>	1 unit
600	1920	800	37	1652	635	94	no side panel	<b>01.135.135.1</b>	1 unit
600	2120	800	41	1852	635	99	no side panel	<b>01.135.136.1</b>	1 unit
600	2320	800	46	2052	635	106	no side panel	<b>01.135.137.1</b>	1 unit



MIR00472



MIR0047



MIR0047

Dimensions in mm: W = Width  
 H = Height  
 D = Depth  
 h = Installation height  
 d = Useable depth  
 L = Length

HU = Standard height unit  
 1 HU = 44.45 mm  
 UP = Unit of packaging  
 kg = Weight

= Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

## miracel 19" Distribution Rack with Swing Frame, NS 19.8 D Width 800, with front glass door, single

- With 19" swing frame for components in acc. with IEC 297-3
- Cable entry via plinth and top cover
- Heat loss discharge via vent lid
- Door opening angle, 180°

**Load rating**  
 800 N static

**Protection rating**  
 IP 40 (upgradeable to IP 55)

**Tests**

- Earthing in acc. with VDE 0100 T 540
- Shock and vibration test in acc. with MIL-STD 810 E
- IP test in acc. with DIN 40 050 / IEC 529

**Material / Finish**

- Extruded aluminium
- Corner piece die-cast aluminium
- Covers, zinc-passivated sheet steel, powder-coated texture
- Doors, sheet steel, powder-coated texture, glass infill, front door, single safety glass panel, 4 mm
- Swing frame, sheet steel, powder-coated, front board support, zinc-passivated
- Multifunctional struts and 19" swing frame, sheet steel, zinc-passivated

**Colour**

- Door trim, RAL 9011 black
- Visible surface of the covers, RAL 7035 light-grey

**Supply schedule**

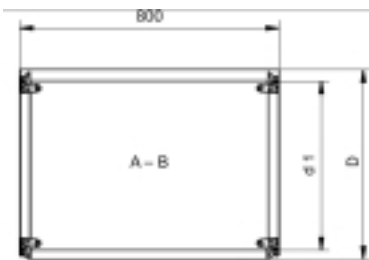
- 1 Basic rack
- 1 19" swing frame with mounting holes for caged nuts M5
- 2 Multifunctional struts for cable clamping and universal mounting options
- 1 Cover with vent lid and integrated cable entry
- 1 Front door, single, single safety glass panel, with handle and mounting for cylinder lock
- 1 Rear panel with quick connectors
- 2 Side panels with quick connectors
- 1 Plinth for cable entry on the side and rear with levelling feet (0-25mm)
- 2 Plinth trims for front and rear, with vent slots and fixing for filter mat
- 1 Complete earthing test (VDE 0100)

**How supplied**  
 Assembled

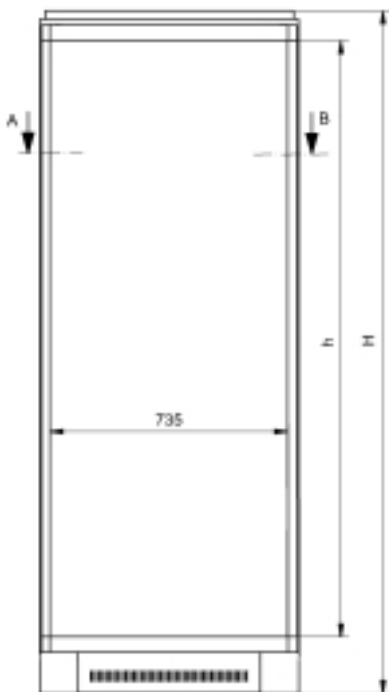
W	H	D	HU/U	h	d	kg	Model	Order no.	UP
800	1320	600	20	892.7	435	77	side panels	<b>01.135.271.1</b>	1 unit
800	1920	600	33	1470.5	435	102	side panels	<b>01.135.273.1</b>	1 unit
800	2120	600	38	1692.8	435	111	side panels	<b>01.135.274.1</b>	1 unit
800	2320	600	42	1870.6	435	120	side panels	<b>01.135.275.1</b>	1 unit
800	1320	800	20	892.7	635	79	side panels	<b>01.135.289.1</b>	1 unit
800	1920	800	33	1470.5	635	110	side panels	<b>01.135.291.1</b>	1 unit
800	2120	800	38	1692.8	635	119	side panels	<b>01.135.292.1</b>	1 unit
800	2320	800	42	1870.6	635	128	side panels	<b>01.135.293.1</b>	1 unit
800	1320	600	20	892.7	435	69	no side panel	<b>01.135.277.1</b>	1 unit
800	1920	600	33	1470.5	435	94	no side panel	<b>01.135.279.1</b>	1 unit
800	2120	600	38	1692.8	435	102	no side panel	<b>01.135.280.1</b>	1 unit
800	2320	600	42	1870.6	435	111	no side panel	<b>01.135.281.1</b>	1 unit
800	1320	800	20	892.7	635	72	no side panel	<b>01.135.295.1</b>	1 unit
800	1920	800	33	1470.5	635	100	no side panel	<b>01.135.297.1</b>	1 unit
800	2120	800	38	1692.8	635	108	no side panel	<b>01.135.298.1</b>	1 unit
800	2320	800	42	1870.6	635	117	no side panel	<b>01.135.299.1</b>	1 unit



MIR00039



MIR00053a



MIR00053

Dimensions in mm: W = Width  
 H = Height  
 D = Depth  
 h = Installation height  
 d = Useable depth  
 L = Length

HU = Standard height unit  
 1 HU = 44.45 mm  
 UP = Unit of packaging  
 kg = Weight

= Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

## miracel Network Equipment Rack, NG 800 Width 800, with glass door, single

- Cable entry via plinth and cover
- Heat loss discharge via vent lid
- Door opening angle, 180°

### For installation of

- Equipment with maximum width of 735 mm, shelves, installation accessories

### Load rating

5000 N static

### Protection rating

IP 40 (upgradeable to IP 55)

### Tests

- Earthing in acc. with VDE 0100 T 540
- Shock and vibration test in acc. with MIL-STD 810 E
- IP test in acc. with DIN 40 050 / IEC 529

### Material / Finish

- Basic rack, extruded aluminium, polished
- Corner piece, die-cast aluminium, polished
- Covers, zinc-passivated sheet steel, powder-coated texture
- Doors, sheet steel, powder-coated texture, glass infill, front door, single safety glass panel, 4 mm
- Multifunctional struts, sheet steel, zinc-passivated

### Colour

- Door trim, RAL 9011 black
- Visible surface of the covers, RAL 7035 light-grey

### Supply schedule

- 1 Basic rack
- 2 Multifunctional struts for cable clamping and universal mounting options
- 1 Cover with vent lid and integrated cable routing
- 1 Front door, single, single safety glass panel, with handle and mounting for cylinder lock
- 1 Rear door, single, sheet steel, with handle and mounting for cylinder lock
- 2 Side panels with quick connectors
- 1 Plinth for cable management on the side and rear with levelling feet (0-25 mm)
- 2 Lateral plinth trims, closed
- 2 Plinth trims for front and rear, with vent slots and fixing for filter mat
- 1 Complete earthing test (VDE 0100)

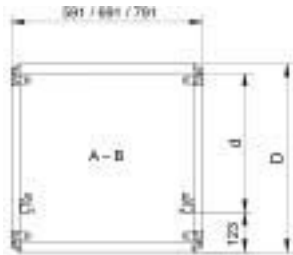
### How supplied

Assembled

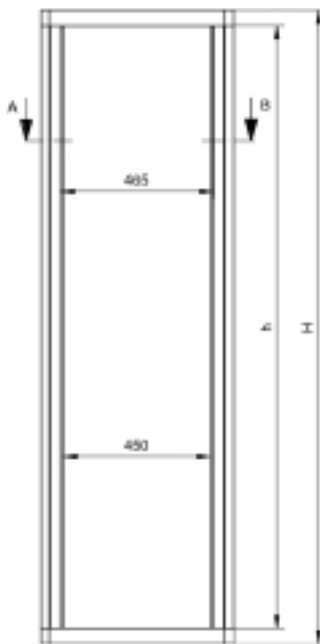
W	H	D	HU/U	h	d	kg	Model	Order no.	UP
800	1320	800	23	1052	730	77	side panel	<b>01.135.649.1</b>	1 unit
800	1920	800	37	1652	730	107	side panel	<b>01.135.651.1</b>	1 unit
800	2120	800	41	1852	730	115	side panel	<b>01.135.652.1</b>	1 unit
800	2320	800	46	2052	730	124	side panel	<b>01.135.653.1</b>	1 unit
800	1320	800	23	1052	730	70	no side panel	<b>01.135.655.1</b>	1 unit
800	1920	800	37	1652	730	97	no side panel	<b>01.135.657.1</b>	1 unit
800	2120	800	41	1852	730	104	no side panel	<b>01.135.658.1</b>	1 unit
800	2320	800	46	2052	730	113	no side panel	<b>01.135.659.1</b>	1 unit



MIR00041



MIR00043a



MIR20002

Dimensions in mm: W = Width  
 H = Height  
 D = Depth  
 h = Installation height  
 d = Useable depth  
 L = Length

HU = Standard height unit  
 1 HU = 44.45 mm  
 UP = Unit of packaging  
 kg = Weight

= Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

## miracel Lab Rack, NO 19 With T-slot extrusion, width, 600 / 700 / 800

- With fixed 19" installation on the front for components in acc. with IEC 297-3
- Flexible mounting of components using T-slot

**Jumpering space**  
 Front, 123 mm

**Load rating**  
 5000 N static

- Tests**
- Earthing in acc. with VDE 0100 T 540
  - Shock and vibration test in acc. with MIL-STD 810 E

- Material / Finish**
- Basic rack, extruded aluminium, polished
  - Corner piece, die-cast aluminium
  - Multifunctional struts, sheet steel, zinc-passivated

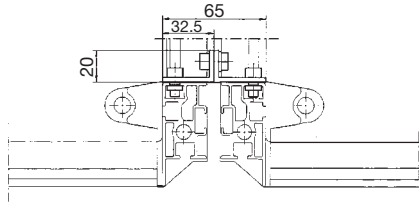
- Supply schedule**
- 1 Basic rack
  - 2 19" aluminium vertical extrusions with T-slot and increment slide for spring nut M5
  - 2 Multifunctional struts for cable clamping and universal mounting options
  - 4 Levelling feet (0-25 mm)

**How supplied**  
 Assembled

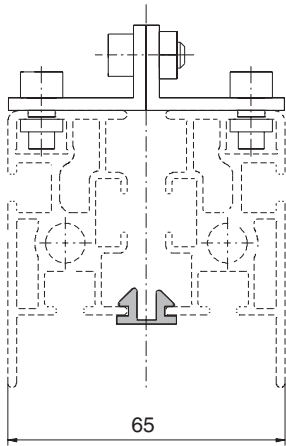
W	H	D	HU/U h	d	kg	Model	Order no.	UP
600	1200	600	23	1052	435	14	<b>01.135.793.3</b>	1 unit
600	1800	600	37	1652	435	16	<b>01.135.795.3</b>	1 unit
600	2000	600	41	1852	435	17	<b>01.135.796.3</b>	1 unit
600	2200	600	46	2052	435	18	<b>01.135.797.3</b>	1 unit
600	1200	800	23	1052	635	16	<b>01.135.817.3</b>	1 unit
600	1800	800	37	1652	635	18	<b>01.135.819.3</b>	1 unit
600	2000	800	41	1852	635	19	<b>01.135.820.3</b>	1 unit
600	2200	800	46	2052	635	20	<b>01.135.821.3</b>	1 unit
600	1800	900	37	1652	735	19	<b>01.135.842.0</b>	1 unit
600	2000	900	41	1852	735	20	<b>01.135.843.0</b>	1 unit
600	2200	900	46	2052	735	21	<b>01.135.844.0</b>	1 unit
700	1200	600	23	1052	435	15	<b>01.135.799.3</b>	1 unit
700	1800	600	37	1652	435	17	<b>01.135.801.3</b>	1 unit
700	2000	600	41	1852	435	18	<b>01.135.802.3</b>	1 unit
700	2200	600	46	2052	435	19	<b>01.135.803.3</b>	1 unit
700	1200	800	23	1052	635	17	<b>01.135.823.3</b>	1 unit
700	1800	800	37	1652	635	19	<b>01.135.825.3</b>	1 unit
700	2000	800	41	1852	635	20	<b>01.135.826.3</b>	1 unit
700	2200	800	46	2052	635	21	<b>01.135.827.3</b>	1 unit
800	1200	600	23	1052	435	16	<b>01.135.805.3</b>	1 unit
800	1800	600	37	1652	435	18	<b>01.135.807.3</b>	1 unit
800	2000	600	41	1852	435	19	<b>01.135.808.3</b>	1 unit
800	2200	600	46	2052	435	20	<b>01.135.809.3</b>	1 unit
800	1200	800	23	1052	635	18	<b>01.135.829.3</b>	1 unit
800	1800	800	37	1652	635	20	<b>01.135.831.3</b>	1 unit
800	2000	800	41	1852	635	21	<b>01.135.832.3</b>	1 unit
800	2200	800	46	2052	635	22	<b>01.135.833.3</b>	1 unit
800	1800	900	37	1652	735	21	<b>01.135.847.0</b>	1 unit
800	2000	900	41	1852	735	22	<b>01.135.848.0</b>	1 unit
800	2200	900	46	2052	735	23	<b>01.135.849.0</b>	1 unit



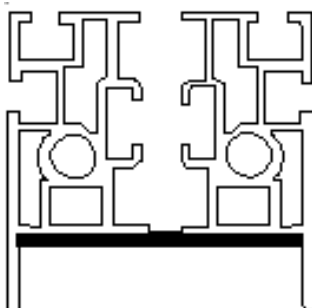
MIR00100



MIR00168




MIR00320



MIR20036

Dimensions in mm: W = Width  
 H = Height  
 D = Depth  
 h = Installation height  
 d = Useable depth  
 L = Length

HU = Standard height unit  
 1 HU = 44.45 mm  
 UP = Unit of packaging  
 kg = Weight

 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

### miracel Rack Connector Internal mounting

- For mechanical, stable connection of rack and cabinet suites

**Material / Finish**  
 - Sheet steel, 2 mm, zinc passivated

**Supply schedule**  
 8 Mounting brackets  
 (for connecting 2  
 racks / cabinets)  
 Mounting material



**How supplied**  
 Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>01.130.935.7</b> 	1 unit

### miracel Cover Extrusion for Rack Suites, IP 20

**Material**  
 PVC extruder extrusion, black

**Supply schedule**  
 2 vertical lengths  
 2 depth lengths

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
1200	D 600	23						<b>01.131.270.9</b>	1 unit
1800	D 600	37						<b>01.131.273.9</b>	1 unit
2000	D 600	41						<b>01.131.274.9</b>	1 unit
2200	D 600	46						<b>01.131.275.9</b>	1 unit
1200	D 800	23						<b>01.131.276.9</b>	1 unit
1800	D 800	37						<b>01.131.279.9</b>	1 unit
2000	D 800	41						<b>01.131.280.9</b> 	1 unit
2200	D 800	46						<b>01.131.281.9</b> 	1 unit
1200	D 900	23						<b>01.131.282.9</b>	1 unit
1800	D 900	37						<b>01.131.285.9</b>	1 unit
2000	D 900	41						<b>01.131.286.9</b>	1 unit
2200	D 900	46						<b>01.131.287.9</b>	1 unit
2000	D 1000	41						<b>01.127.760.9</b>	1 unit
2200	D 1000	46						<b>01.127.761.9</b>	1 unit

### miracel Rack Connector External mounting

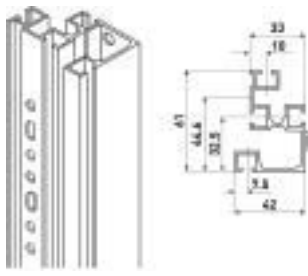
- For secure connection of several ISP racks  
 - Front and rear external mounting

**Material**  
 - Sheet steel, 1 mm,  
 zinc-passivated

**Supply schedule**  
 8 Mounting straps  
 Mounting material

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>01.127.114.9</b>	1 unit

MIR00307



## miracel 19" Vertical Extrusion, Aluminium With T-slot and increment slide

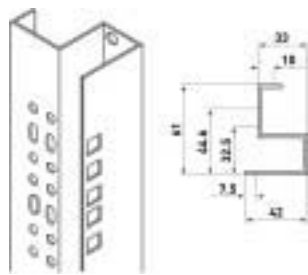
- For front and rear installation in the rack
- Spring nut, variable and adjustable in HU increment (19")
- Please also order assembly kit with initial installation of vertical extrusions

**Material**  
Extruded aluminium, polished

**Supply schedule**  
2 Vertical extrusions with increment slides

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
			16	714			short inst.	<b>01.130.830.0</b>	1 unit
			23	1025			short inst.	<b>01.130.832.0</b>	1 unit
	1200		23	1100				<b>01.130.828.0</b>	1 unit
	1600		32	1500				<b>01.130.833.0</b>	1 unit
	1800		37	1700				<b>01.130.834.0</b>	1 unit
	2000		41	1900				<b>01.130.835.0</b>	1 unit
	2200		46	2100				<b>01.130.836.0</b>	1 unit

MIR00309



## miracel 19" Vertical Extrusion, Steel With mounting holes

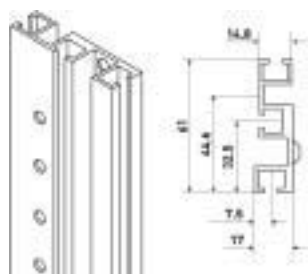
- For front and rear installation in the rack
- Caged nut mountable in HU increments (19")
- Please also order assembly kit with initial installation of vertical extrusions

**Material**  
Sheet steel, 1.5 mm, zinc-passivated

**Supply schedule**  
2 Vertical extrusions with mounting holes

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
			16	714			short inst.	<b>01.130.805.0</b>	1 unit
			23	1025			short inst.	<b>01.130.807.0</b>	1 unit
	1200		23	1100				<b>01.130.803.0</b>	1 unit
	1600		32	1500				<b>01.130.808.0</b>	1 unit
	1800		37	1700				<b>01.130.809.0</b>	1 unit
	2000		41	1900				<b>01.130.810.0</b>	1 unit
	2200		46	2100				<b>01.130.811.0</b>	1 unit

MIR00308



## miracel Vertical Extrusion, MEPS 20 Module

- For metric racks, 20 module
- Spring nut, variable and adjustable in standard increment
- Please order suitable assembly kit for rack widths 700 / 800

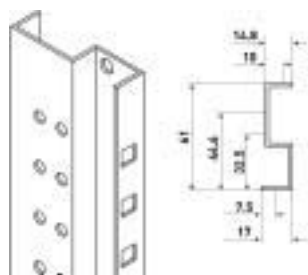
**Material**  
- Type 1: Extruded aluminium, polished  
- Type 2: Sheet steel, 1.5 mm, zinc-passivated

**Supply schedule**  
2 Vertical extrusions

Type 1

W	H	D	Module	h	d	kg	Model	Order
no.	1800		66	1700			Alu T-SLOT	<b>01.130.847.0</b> 1 unit
	2000		74	1900			Alu T-SLOT	<b>01.130.848.0</b> 1 unit
	2200		82	2100			Alu T-SLOT	<b>01.130.849.0</b> 1 unit
	1800		66	1700			St. mount. holes	<b>01.130.822.0</b> 1 unit
	2000		74	1900			St. mount. holes	<b>01.130.823.0</b> 1 unit
	2200		82	2100			St. mount. holes	<b>01.130.824.0</b> 1 unit

MIR00311

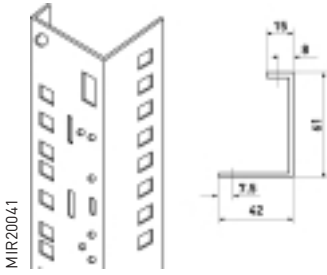


Type 2



**Note:**

19" alu extrusions with mounting holes on request



MIR20041

## miracel 19" Server Extrusion, Steel With mounting holes

- For mounting trade standard 19" servers
- Please order suitable assembly kit for rack widths 700 / 800
- Please order mounting adapter for Knürr standard components

**Material**  
Sheet steel, 2 mm, zinc-passivated

**Supply schedule**  
4 19" server extrusions

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
	2000		41					<b>01.127.214.0</b>	1 unit
	2200		46					<b>01.127.215.0</b>	1 unit



MIR20044

## miracel Mounting Adapter for 19" Server Extrusion

- For mounting Knürr standard components (storage shelves, drawers, chassis rails, keyboard runners, etc.) in 19" installation space

**Material**  
Sheet steel, zinc-passivated

**Supply schedule**  
4 Adapters

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
			1					<b>01.127.119.9</b>	1 unit



MIR00510

## miracel Assembly Kits for Extrusions

- Supply schedule**
- 4 Node brackets (full installation)
  - 2 Node brackets (shortened installation)
  - 2 Z brackets (shortened installation)
  - Mounting material

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
	700						short inst.	<b>01.131.219.7</b>	1 unit
	800						short inst.	<b>01.131.221.7</b>	1 unit
	700						full inst.	<b>01.131.220.7</b>	1 unit
	800						full inst.	<b>01.131.222.7</b>	1 unit



MIR20263

## HU Tape Measure

- To stick on miracel 19" extrusions
- Enables rapid component positioning on the correct HU position
- Standard length, 42 HU, shorten as required

**Supply schedule**  
1 Tape measure

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>01.128.400.9</b>	1 unit



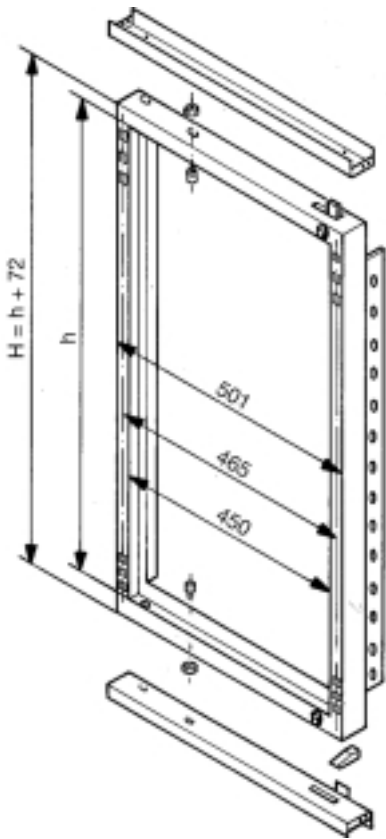
MIR20264

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

= Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound



MIR00162

## miracel Swing Frame, 90° / 105° / 130°

**Maximum installation weight**  
80 kg

**Also order assembly kit**  
01.131.317.1

**Swing frame earthing set**  
01.110.610.9

**Material**  
Sheet steel, 2 mm

**Finish**  
Powder-coated texture, RAL 7035  
light-grey

**Note**

The rack's nominal installation height is reduced by 3 HU with the installation of a swing frame

**Supply schedule**

1 Frame  
2 Horizontal rails  
1 Square spanner  
Mounting material

**How supplied**

Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
800	1800	33	1470.5					<b>01.117.078.1</b>	1 unit
800	2000	38	1692.8					<b>01.117.079.1</b>	1 unit
800	2200	42	1870.6					<b>01.117.080.1</b>	1 unit

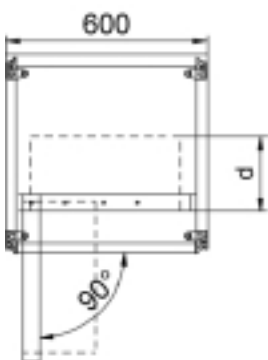
## Useful depth according to rack type and pivot point

**A** External installation, external pivot point  
**B** Central installation, pivot point 1

**C** Central installation, pivot point 2  
**D** Central installation, pivot point 3

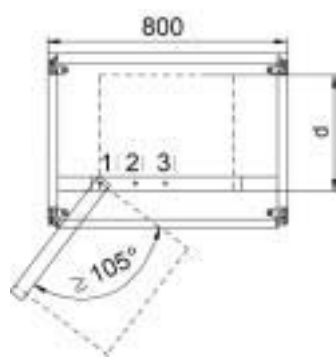
W [mm]	H [mm]	D [mm]
600		600/800
700		600/800
800		600
800		800

A	B	C	D
150		160	140
370	280	290	205
390	370	360	285
535	370	360	285



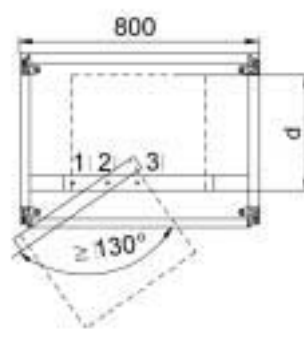
MIR00321

**A**



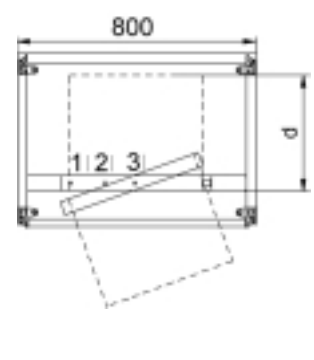
MIR00322

**B**



MIR00323

**C**



MIR00324

**D**

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

= Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound



MIR00209

## 19" Swing Frame, 180° Up to 200 kg

- With swing frame use the rack must be screwed to the floor.
- Installation of the swing frame reduces the rack's nominal installation height by 2 HU.
- With load rating → 80 kg installation weight, please also order additional assembly kit, side panel screwing!

### 190" Swing frame, 180°

- For mounting 19" components in accordance with IEC 297-3
- Enables free accessibility to the second mounting level and to the installation components in the swing frame
- Load capacity, max. 2000 N (please read note)
- Can be mounted in rack widths 600 and 800 mm

### Material

- Frame, 2 mm sheet steel
- Die-cast aluminium pivot bearing

### Finish/Colour

- Frame and horizontal rail, powder-coated texture, RAL 7035 light-grey
- Front panel support on the vertical extrusion, zinc-passivated

### Supply schedule

- 1 19" swing frame, complete
- 1 Horizontal mounting, below
- 1 Horizontal mounting, above
- 1 Square spanner
- Mounting material

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
800	1800	35	1559					<b>01.131.426.1</b>	1 unit
800	2000	39	1737					<b>01.131.430.1</b>	1 unit
800	2200	44	1959					<b>01.131.434.1</b>	1 unit

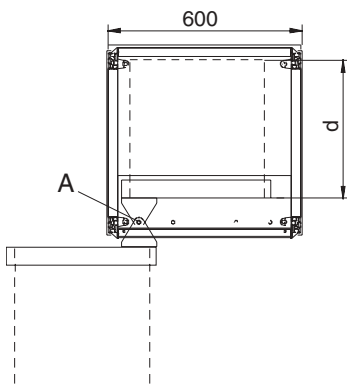
## Useful depth according to rack type and pivot point

A External installation, external pivot point  
B Central installation, pivot point 1

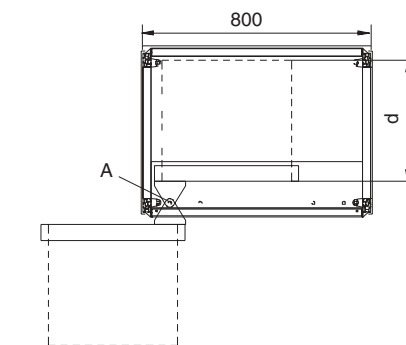
C Central installation, pivot point 2  
D Central installation, pivot point 3

W [mm]	H [mm]	D [mm]
600		600/800
800		600/800

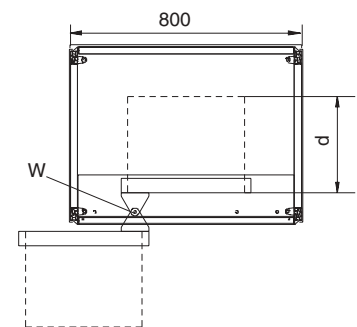
A	B
125	
420	290



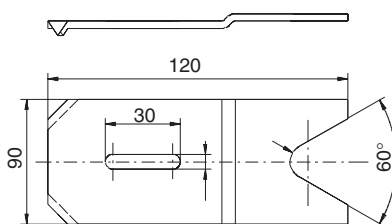
MIR00314



MIR00315



MIR00316



MIR00319

## Base Fixing Assembly Kit

**Material**  
Sheet steel, 3.0 mm

**Finish**  
Zinc-passivated

**Supply schedule**  
4 Clamping plates

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>01.130.934.7</b>	1 unit



ALICE  
GRIP ADJUSTOR

## Design – A Compulsory Requirement

Design does not just mean structuring shape. Design also creates a level of communication between product **and person!**

Both functional via usage visualization and emotional via presentation and overall appearance, products are incorporated into a dialogue concerning the environment! The designer is not just a skilled provider of form, but rather he must also be able to precisely direct this dialogue.

Using the relevant individual components, our designers create an overall statement that more than does justice to the criteria consisting of, technology, ergonomics, ecology, economy and aesthetics, and unites these criteria in one product that reflects the highest standard of quality. Knürr very specifically ensure that the design performance is not just used for standards, but rather is also provided for the benefit of our customers!

Powerful design is a characteristic with which Knürr demonstrate their quality concepts. Knürr products therefore have, among so many other attributes, a high long-life value.



**knürr**  
environments for electronics



**Customer Applications - Design Studies**



## **Design – A Brandname Ambassador**

Design is an extremely important part of a product's and a company's total differentiation potential.

A successful design stirs emotions, awakens enthusiasm and strengthens the brandname.

In this respect, individual design solutions highlight the characteristics of the brand, and support the profiling of the company with the customer and in competing with others.



MIR20276

### miracel Sheet Steel Door with Perforation, Single

**Material**

Sheet steel, 1.0 mm

**Finish**

.1 = powder-coated texture, RAL 7035  
.8 = powder-coated texture, RAL 7021

**Supply schedule**

1 Door  
Mounting material

**Volume flow**

A large surface perforation (83% free surface) enables optimum airflow through the rack

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600	1200						door compl. RAL 7035	<b>01.128.230.1</b>	1 unit
600	1200						door compl. RAL 7021	<b>01.128.230.8</b>	1 unit
700	1200						door compl. RAL 7035	<b>01.128.231.1</b>	1 unit
700	1200						door compl. RAL 7021	<b>01.128.231.8</b>	1 unit
800	1200						door compl. RAL 7035	<b>01.128.232.1</b>	1 unit
800	1200						door compl. RAL 7021	<b>01.128.232.8</b>	1 unit
600	1800						door compl. RAL 7035	<b>01.128.242.1</b>	1 unit
600	1800						door compl. RAL 7021	<b>01.128.242.8</b>	1 unit
700	1800						door compl. RAL 7035	<b>01.128.243.1</b>	1 unit
700	1800						door compl. RAL 7021	<b>01.128.243.8</b>	1 unit
800	1800						door compl. RAL 7035	<b>01.128.244.1</b>	1 unit
800	1800						door compl. RAL 7021	<b>01.128.244.8</b>	1 unit
600	2000						door compl. RAL 7035	<b>01.128.246.1</b>	1 unit
600	2000						door compl. RAL 7021	<b>01.128.246.8</b>	1 unit
700	2000						door compl. RAL 7035	<b>01.128.247.1</b>	1 unit
700	2000						door compl. RAL 7021	<b>01.128.247.8</b>	1 unit
800	2000						door compl. RAL 7035	<b>01.128.248.1</b>	1 unit
800	2000						door compl. RAL 7021	<b>01.128.248.8</b>	1 unit
600	2200						door compl. RAL 7035	<b>01.128.250.1</b>	1 unit
600	2200						door compl. RAL 7021	<b>01.128.250.8</b>	1 unit
700	2200						door compl. RAL 7035	<b>01.128.251.1</b>	1 unit
700	2200						door compl. RAL 7021	<b>01.128.251.8</b>	1 unit
800	2200						door compl. RAL 7035	<b>01.128.252.1</b>	1 unit
800	2200						door compl. RAL 7021	<b>01.128.252.8</b>	1 unit



MIR20277

### miracel Sheet Steel Door with Perforation, Double

**Material**

Sheet steel, 1.0 mm

**Finish**

.1 = powder-coated texture, RAL 7035  
.8 = powder-coated texture, RAL 7021

**Supply schedule**

1 Door  
Mounting material

**Volume flow**

A large surface perforation (83% free surface) enables optimum airflow through the rack

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600	2000						double door RAL 7035	<b>01.128.260.1</b>	1 unit
600	2000						double door RAL 7021	<b>01.128.260.8</b>	1 unit
700	2000						double door RAL 7035	<b>01.128.261.1</b>	1 unit
700	2000						double door RAL 7021	<b>01.128.261.8</b>	1 unit
800	2000						double door RAL 7035	<b>01.128.262.1</b>	1 unit
800	2000						double door RAL 7021	<b>01.128.262.8</b>	1 unit
600	2200						double door RAL 7035	<b>01.128.263.1</b>	1 unit
600	2200						double door RAL 7021	<b>01.128.263.8</b>	1 unit
700	2200						double door RAL 7035	<b>01.128.264.1</b>	1 unit
700	2200						double door RAL 7021	<b>01.128.264.8</b>	1 unit
800	2200						double door RAL 7035	<b>01.128.265.1</b>	1 unit
800	2200						double door RAL 7021	<b>01.128.265.8</b>	1 unit



MIR00057




MIR00058



MIR00216

Dimensions in mm: W = Width  
 H = Height  
 D = Depth  
 h = Installation height  
 d = Useable depth  
 L = Length

HU = Standard height unit  
 1 HU = 44.45 mm  
 UP = Unit of packaging  
 kg = Weight

 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

## miracel Glass Door

### Material

Sheet steel, 1.0 mm,  
 single safety glass panel, 4.0 mm,  
 clear glass, double door, 6.0 mm

### Finish / Colour

Powder-coated texture, RAL 7035  
 Door trim, RAL 9011

### Supply schedule

1 Glass door, 1 design trim, mounting material

### Protection rating

With installation in the miracel rack  
 (depending on the other rack compo-  
 nents) a maximum protection class of  
 IP 55 can be achieved.

### How supplied

Preassembled

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600	1200	23					single door	<b>01.130.600.1</b>	1 unit
600	1800	37					single door	<b>01.130.612.1</b>	1 unit
600	2000	41					single door	<b>01.130.616.1</b>	1 unit
600	2200	46					single door	<b>01.130.620.1</b>	1 unit
700	1200	23					single door	<b>01.130.601.1</b>	1 unit
700	1800	37					single door	<b>01.130.613.1</b>	1 unit
700	2000	41					single door	<b>01.130.617.1</b>	1 unit
700	2200	46					single door	<b>01.130.621.1</b>	1 unit
800	1200	23					single door	<b>01.130.602.1</b>	1 unit
800	1800	37					single door	<b>01.130.614.1</b>	1 unit
800	2000	41					single door	<b>01.130.618.1</b>	1 unit
800	2200	46					single door	<b>01.130.622.1</b>	1 unit
600	1200	23					double door	<b>01.131.850.1</b>	1 unit
600	1800	37					double door	<b>01.131.862.1</b>	1 unit
600	2000	41					double door	<b>01.131.866.1</b>	1 unit
600	2200	46					double door	<b>01.131.870.1</b>	1 unit
700	1200	23					double door	<b>01.131.851.1</b>	1 unit
700	1800	37					double door	<b>01.131.863.1</b>	1 unit
700	2000	41					double door	<b>01.131.867.1</b>	1 unit
700	2200	46					double door	<b>01.131.871.1</b>	1 unit
800	1200	23					double door	<b>01.131.852.1</b>	1 unit
800	1800	37					double door	<b>01.131.864.1</b>	1 unit
800	2000	41					double door	<b>01.131.868.1</b>	1 unit
800	2200	46					double door	<b>01.131.872.1</b>	1 unit

## Door Earthing Set

- For safe earthing of the doors

### How supplied

Flat packed kit

### Supply schedule

1 Earthline  
 Mounting material

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>01.130.624.9</b> 	1 unit



MIR0059



MIR0060



MIR00210

## miracel Sheet Steel Door

**Material**

Sheet steel, 1.0 mm

**Finish / Colour**

Powder-coated texture, RAL 7035  
Door trim, RAL 9011

**Supply schedule**

1 Sheet steel door, 1 design trim,  
mounting material

**Protection rating**

With installation in the miracel rack  
(depending on the other rack compo-  
nents) a maximum protection class of  
IP 55 can be achieved.

**How supplied**

Preassembled

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600	1200	23					single door	<b>01.130.576.1</b>	1 unit
600	1800	37					single door	<b>01.130.588.1</b>	1 unit
600	2000	41					single door	<b>01.130.592.1</b>	1 unit
600	2200	46					single door	<b>01.130.596.1</b>	1 unit
700	1200	23					single door	<b>01.130.577.1</b>	1 unit
700	1800	37					single door	<b>01.130.589.1</b>	1 unit
700	2000	41					single door	<b>01.130.593.1</b>	1 unit
700	2200	46					single door	<b>01.130.597.1</b>	1 unit
800	1200	23					single door	<b>01.130.578.1</b>	1 unit
800	1800	37					single door	<b>01.130.590.1</b>	1 unit
800	2000	41					single door	<b>01.130.594.1</b>	1 unit
800	2200	46					single door	<b>01.130.598.1</b>	1 unit
600	1200	23					double door	<b>01.131.820.1</b>	1 unit
600	1800	37					double door	<b>01.131.835.1</b>	1 unit
600	2000	41					double door	<b>01.131.840.1</b>	1 unit
600	2200	46					double door	<b>01.131.845.1</b>	1 unit
700	1200	23					double door	<b>01.131.821.1</b>	1 unit
700	1800	37					double door	<b>01.131.836.1</b>	1 unit
700	2000	41					double door	<b>01.131.841.1</b>	1 unit
700	2200	46					double door	<b>01.131.846.1</b>	1 unit
800	1200	23					double door	<b>01.131.822.1</b>	1 unit
800	1800	37					double door	<b>01.131.837.1</b>	1 unit
800	2000	41					double door	<b>01.131.842.1</b>	1 unit
800	2200	46					double door	<b>01.131.847.1</b>	1 unit

## Door Stop

- Variable adjustment, max. 180°

**Material**

Flat rolled steel, 15 x 3 mm

**Finish**

Zinc-passivated, colourless chrome-  
plated

**Supply schedule**

1 Door stop  
Mounting material

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>01.130.764.7</b>	1 unit



MIR00414



**Note:**

Plinth with tilt restraint see 1.46

## miracel Plinth Stationary, height 100 mm

- Stationary
- Cable entry possible from all sides
- Panel front and rear with vent slots and installation option for filter mat

**Load rating**  
5000 N static

**Material**  
Sheet steel

**Finish**  
Powder-coated texture, RAL 7035

**Supply schedule**  
4 Plinth corners with levelling  
2 Plinth panels with slots  
2 Plinth panels closed on the side  
Mounting material

**How supplied**  
Flat-packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600	100	600						<b>01.130.538.1</b>	1 unit
600	100	800						<b>01.130.539.1</b>	1 unit
600	100	900						<b>01.130.540.1</b>	1 unit
700	100	600						<b>01.130.544.1</b>	1 unit
700	100	800						<b>01.130.545.1</b>	1 unit
700	100	900						<b>01.130.546.1</b>	1 unit
800	100	600						<b>01.130.550.1</b>	1 unit
800	100	800						<b>01.130.551.1</b>	1 unit
800	100	900						<b>01.130.552.1</b>	1 unit
600	100	1000						<b>01.127.650.1</b>	1 unit
700	100	1000						<b>01.127.651.1</b>	1 unit
800	100	1000						<b>01.127.652.1</b>	1 unit



MIR00076

## miracel Plinth Stationary, height 200 mm

- Stationary
- Cable entry possible from all sides
- Panel front and rear with vent slots and installation option for filter mat

**Load rating**  
3000 N static

**Material**  
Sheet steel

**Finish**  
Powder-coated texture, RAL 7035


**Supply schedule**  
4 Plinth corners  
8 Panels  
Mounting material

**How supplied**  
Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600	200	600						<b>01.130.958.1</b>	1 unit
600	200	800						<b>01.130.959.1</b>	1 unit
600	200	900						<b>01.130.960.1</b>	1 unit
700	200	600						<b>01.130.964.1</b>	1 unit
700	200	800						<b>01.130.965.1</b>	1 unit
800	200	600						<b>01.130.970.1</b>	1 unit
800	200	800						<b>01.130.971.1</b>	1 unit

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound



MIR20088

### miracel Castors

- Can be mounted on the threaded eyelet of the basic rack
- Castor diameter, 75 mm
- Threaded bolt, M12
- Load capacity per castor: 100 kg

**Supply schedule**  
4 Castors

**How supplied**  
Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
109.5								<b>05.031.057.9</b>	4 units



MIR00521

### miracel Plinth Trim With brush strip

- For cable entry on the side, front and rear

**Finish**  
Powder-coated texture, RAL 7035

**Supply schedule**  
1 Plinth trim with brush strip  
Mounting material

**How supplied**  
Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600		600						<b>01.130.744.1</b>	1 unit
800		800						<b>01.130.745.1</b>	1 unit



MIR00161

### miracel Filter Mat for Plinth Trim For installation in plinth trim on the front and rear

**Supply schedule**  
2 Filter mats

**How supplied**  
Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600								<b>01.130.530.9</b>	1 unit
700								<b>01.130.531.9</b>	1 unit
800								<b>01.130.532.9</b>	1 unit



MIR00077

### miracel Plinth Mobile, height 100 mm

- Mobile
- Cable entry possible on the rear
- With levelling feet for stationary model

**Load rating**  
3000 N static

**Material**  
Sheet steel, 2 mm

**Finish**  
Powder-coated texture, RAL 7035

**Supply schedule**  
1 Plinth frame  
2 Fixed castors with snib  
2 Swivel castors  
Mounting material

**How supplied**  
Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600	100	600						<b>01.130.561.1</b>	1 unit
600	100	800						<b>01.130.562.1</b>	1 unit
600	100	900						<b>01.130.563.1</b>	1 unit
700	100	600						<b>01.130.565.1</b>	1 unit
700	100	800						<b>01.130.566.1</b>	1 unit
800	100	600						<b>01.130.569.1</b>	1 unit
800	100	800						<b>01.130.570.1</b>	1 unit
800	100	900						<b>01.130.571.1</b>	1 unit
600	100	1000						<b>01.127.250.1</b>	1 unit
700	100	1000						<b>01.127.253.1</b>	1 unit
800	100	1000						<b>01.127.254.1</b>	1 unit



**Note:**  
Plinth with tilt restraint see 1.46

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

= Express item

Conversion: 1 mm = 0.03937 inch  
1 kg = 2.2046 pound



MIR00357


## miracel Bottom Cover 3-Piece

- For covering the rack underside
- For flexible cable entry on the front and rear

**Material / Finish**  
Sheet steel, 1.5 mm, zinc passivated

**Supply schedule**  
3 Bottom covers  
2 Mounting brackets  
Mounting material

**How supplied**  
Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600		600						<b>01.130.750.0</b>	1 unit
600		800						<b>01.130.751.0</b>	1 unit
600		900						<b>01.130.752.0</b>	1 unit
600		1000						<b>01.127.660.0</b>	1 unit
700		600						<b>01.130.753.0</b>	1 unit
700		800						<b>01.130.754.0</b>	1 unit
700		900						<b>01.130.755.0</b>	1 unit
700		1000						<b>01.127.662.0</b>	1 unit
800		600						<b>01.130.756.0</b>	1 unit
800		800						<b>01.130.757.0</b>	1 unit 
800		900						<b>01.130.758.0</b>	1 unit
800		1000						<b>01.127.663.0</b>	1 unit



MIR00355

## miracel Bottom Cover For flexible cable entry with rubber sealing, IP 40



- For covering the rack underside
- With rubber sealing for flexible cable entry on the front and rear

**Protection rating**  
With installation in the miracel rack (depending on the other rack components), a maximum protection class of IP 40 can be achieved.

**Material / Finish**  
Sheet steel, 1.5 mm, zinc-passivated  
Sponge rubber, 50 mm x 50 mm


**Supply schedule**  
1 Cable entry  
2 Bottom covers  
2 Mounting brackets  
Mounting material

**How supplied**  
Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600		600						<b>01.130.732.0</b>	1 unit
600		800						<b>01.130.733.0</b>	1 unit 
600		900						<b>01.130.734.0</b>	1 unit
600		1000						<b>01.127.670.0</b>	1 unit
700		600						<b>01.130.735.0</b>	1 unit
700		800						<b>01.130.736.0</b>	1 unit
700		900						<b>01.127.671.0</b>	1 unit
700		1000						<b>01.127.672.0</b>	1 unit
800		600						<b>01.130.738.0</b>	1 unit
800		800						<b>01.130.739.0</b>	1 unit 
800		900						<b>01.130.740.0</b>	1 unit
800		1000						<b>01.127.673.0</b>	1 unit

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound



MIR00066

### Door Locking Set

**Supply schedule**

- 1 Lock set
- 2 Keys (half-cylinder)

**Note**

Further cylinder locks on request!

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>05.041.299.9</b>	1 unit



MIR00069

### Locking Set, Complete

**Supply schedule**

- 2 Cylinders with 4 keys
- 2 Lockable fasteners for side panel with 4 keys

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>01.130.940.9</b>	1 unit



MIR00216

### Door Earthing Set

- For safe earthing of the doors

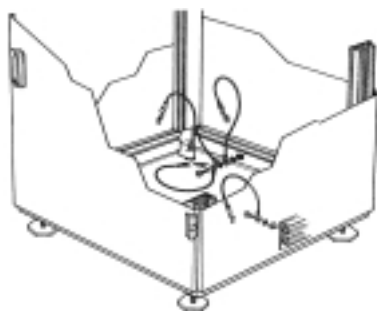
**How supplied**

Flat packed kit

**Supply schedule**

- 1 Earthline
- Mounting material

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>01.130.624.9</b>	1 unit



MIR00217

### Rack Earthing Set

- For safe rack earthing
- Standard protective conductor connection

**Supply schedule**

- 5 Earthlines
- Mounting material

**Standards**

- IEC 950
- VDE 0100

**How supplied**

Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>01.130.529.9</b>	1 unit

Dimensions in mm: W = Width  
 H = Height  
 D = Depth  
 h = Installation height  
 d = Useable depth  
 L = Length

HU = Standard height unit  
 1 HU = 44.45 mm  
 UP = Unit of packaging  
 kg = Weight

= Express item

Conversion: 1 mm = 0.03937 inch      1 kg = 2.2046 pound



MIR00064

## miracel Side Panel

### Protection rating

With installation in the miracel rack (depending on the other rack components), a maximum protection class of IP 55 can be achieved.

### Material

Sheet steel, 1.0 mm

### Finish/Colour

Powder-coated texture, RAL 7035

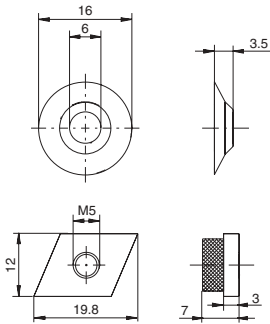
### Supply schedule

1 Side panel  
Mounting material

### How supplied

Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
1200	600	23						<b>01.130.643.1</b>	1 unit
1800	600	37						<b>01.130.646.1</b>	1 unit
2000	600	41						<b>01.130.647.1</b>	1 unit
2200	600	46						<b>01.130.648.1</b>	1 unit
1200	800	23						<b>01.130.649.1</b>	1 unit
1800	800	37						<b>01.130.652.1</b>	1 unit
2000	800	41						<b>01.130.653.1</b>	1 unit
2200	800	46						<b>01.130.654.1</b>	1 unit
1200	900	23						<b>01.130.655.1</b>	1 unit
2000	900	41						<b>01.130.659.1</b>	1 unit
2200	900	46						<b>01.130.660.1</b>	1 unit
2000	1000	41						<b>01.127.739.1</b>	1 unit
2200	1000	46						<b>01.127.740.1</b>	1 unit



MIR00318

## miracel Assembly Kit, Side Panel Screwing

- For screwing the side panels instead of using quick connectors
- Provides additional rack strength

### Material

Countersunk washers and mounting nuts  
High-grade steel

### Supply schedule

16 Countersunk washers  
16 Mounting nuts, M5  
16 Countersunk screws, M5 x 12


### How supplied

Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
								<b>01.130.937.9</b>	1 unit

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

 = Express item

Conversion: 1 mm = 0.03937 inch    1 kg = 2.2046 pound



MIR00064

## miracel Rear Panel

### Protection rating

With installation in the miracel rack (depending on the other rack components), a maximum protection class of IP 55 can be achieved.

### Material

Sheet steel, 1.0 mm

### Finish/Colour

Powder-coated texture, RAL 7035

### Supply schedule

1 Rear panel  
Mounting material


### How supplied

Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600	1200		23					<b>01.130.662.1</b>	1 unit
600	1800		37					<b>01.130.665.1</b>	1 unit
600	2000		41					<b>01.130.666.1</b>	1 unit
600	2200		46					<b>01.130.667.1</b>	1 unit
700	1200		23					<b>01.130.668.1</b>	1 unit
700	1800		37					<b>01.130.671.1</b>	1 unit
700	2000		41					<b>01.130.672.1</b>	1 unit
700	2200		46					<b>01.130.673.1</b>	1 unit
800	1200		23					<b>01.130.674.1</b>	1 unit
800	1800		37					<b>01.130.677.1</b>	1 unit
800	2000		41					<b>01.130.678.1</b>	1 unit
800	2200		46					<b>01.130.679.1</b>	1 unit

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound



MIR00070

## miracel Top Cover Closed, IP 55

- Can be optionally used as top cover or bottom cover (combination with stationary plinth is not possible with use as bottom cover)

### Protection rating

With installation in the miracel rack (depending on the other rack components), a maximum protection class of IP 55 can be achieved.

### Finish

Powder-coated texture, RAL 7035

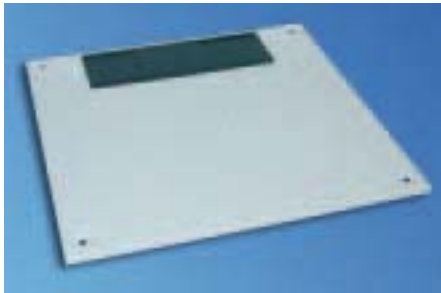
### Supply schedule

1 Top cover, closed  
Mounting material

### How supplied

Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600		600						<b>01.130.690.1</b>	1 unit
600		800						<b>01.130.691.1</b>	1 unit
600		900						<b>01.130.692.1</b>	1 unit
600		1000						<b>01.127.700.1</b>	1 unit
700		600						<b>01.130.694.1</b>	1 unit
700		800						<b>01.130.695.1</b>	1 unit
700		900						<b>01.130.696.1</b>	1 unit
700		1000						<b>01.127.701.1</b>	1 unit
800		600						<b>01.130.691.1</b>	1 unit
800		800						<b>01.130.699.1</b>	1 unit
800		900						<b>01.130.700.1</b>	1 unit
800		1000						<b>01.127.702.1</b>	1 unit



MIR20224

## miracel Top Cover With cable entry, IP 40

### Protection rating

With installation in the miracel rack (depending on the other rack components), a maximum protection class of IP 40 can be achieved.

### Supply schedule

1 Top cover with cable entry  
Sliding covers for cable entry  
Mounting material

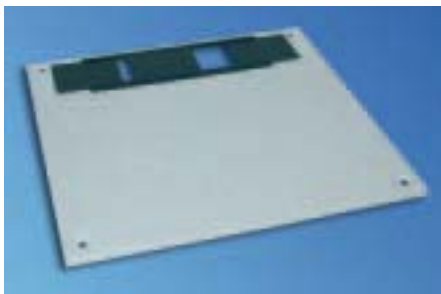
### Finish

Powder-coated texture, RAL 7035

### How supplied

Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600		600						<b>01.130.900.1</b>	1 unit
600		800						<b>01.130.901.1</b>	1 unit
600		900						<b>01.130.902.1</b>	1 unit
600		1000						<b>01.127.710.1</b>	1 unit
700		600						<b>01.130.903.1</b>	1 unit
700		800						<b>01.130.904.1</b>	1 unit
700		900						<b>01.127.711.1</b>	1 unit
700		1000						<b>01.127.712.1</b>	1 unit
800		600						<b>01.130.906.1</b>	1 unit
800		800						<b>01.130.907.1</b>	1 unit
800		900						<b>01.130.908.1</b>	1 unit
800		1000						<b>01.127.713.1</b>	1 unit



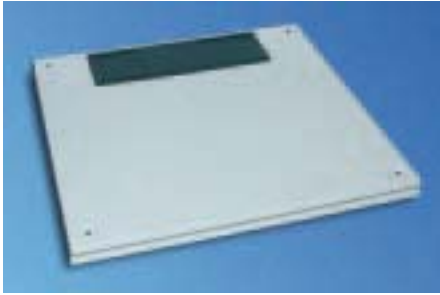
MIR20225

Dimensions in mm: W = Width  
H = Height  
D = Depth  
h = Installation height  
d = Useable depth  
L = Length

HU = Standard height unit  
1 HU = 44.45 mm  
UP = Unit of packaging  
kg = Weight

= Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

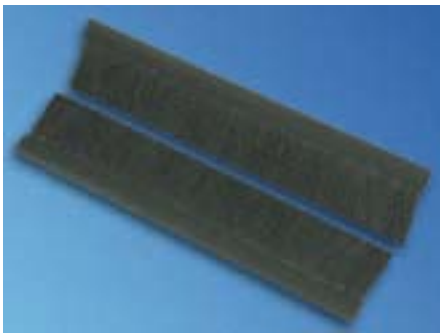


MIR20226

### miracel Top Cover With vent lid and cable entry, IP 40

- Protection rating**  
With installation in the miracel rack (depending on the other rack components), a maximum protection class of IP 40 can be achieved.
- Supply schedule**  
1 Vent lid, complete  
Covers for cable entry  
Mounting material
- Finish**  
Powder-coated texture, RAL 7035
- How supplied**  
Flat packed kit


W	H	D	HU/U	h	d	kg	Model	Order no.	UP
600		600						<b>01.130.500.1</b>	1 unit
600		800						<b>01.130.501.1</b>	1 unit
600		900						<b>01.130.502.1</b>	1 unit
600		1000						<b>01.127.720.1</b>	1 unit
700		600						<b>01.130.503.1</b>	1 unit
700		800						<b>01.130.504.1</b>	1 unit
700		900						<b>01.130.505.1</b>	1 unit
700		1000						<b>01.127.721.1</b>	1 unit
800		600						<b>01.130.506.1</b>	1 unit
800		800						<b>01.130.507.1</b>	1 unit
800		900						<b>01.130.508.1</b>	1 unit
800		1000						<b>01.127.722.1</b>	1 unit



MIR20093


### miracel Brush Strip

- Brush strip for all covers with cable entry
- For dust-protected and flexible cable entry
- Instead of mounting the sliding covers in the cover
- Supply schedule**  
2 Brush strips
- How supplied**  
Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
							for rack width 700/800	<b>01.130.999.9</b> 	1 unit
							for rack width 600	<b>01.130.998.9</b>	1 unit

Dimensions in mm: W = Width  
 H = Height  
 D = Depth  
 h = Installation height  
 d = Useable depth  
 L = Length

HU = Standard height unit  
 1 HU = 44.45 mm  
 UP = Unit of packaging  
 kg = Weight

 = Express item

Conversion: 1 mm = 0.03937 inch    1 kg = 2.2046 pound



LUF20019



LUF20020

## Fan Cover

- Compatible for installation in miracel
- Easy installation also possible at a later stage
- With cable entry (brush strip)
- With 2 fans (108 m<sup>3</sup>/h per fan)
- Upgrade at any time to 8 fans (rack depth 800) or 11 fans (rack depth 900, 1000)
- Cover divided in two parts for later upgrades

### Material

Cover, sheet steel, 1.5 mm  
Fan support panel, sheet steel, 1.0 mm, zinc-passivated

### Finish / Colour

Cover, powder-coated texture, RAL 7035 light-grey

### Approvals

CE Label in accordance with the low potential guideline 79/23/EWG, EMC guideline 89/336/EWG

### Technical data, thermostat

Setting range: +10°C ... +60°C  
Switching temperature differential (hysteresis): 2 K  
Contact type: 1 changeover contact  
Sensor: thermostatic bimetal  
Contact rating: 230 VAC/10 A (heating), 5 A (cooling)  
Interference suppression: in accordance with DIN 55014

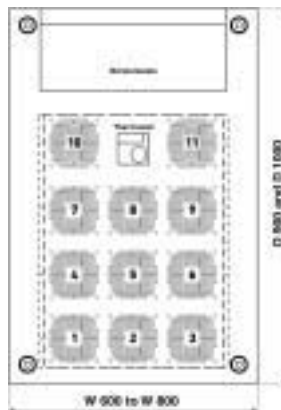
### Supply schedule

1 Cover with perforations for fans  
2 Fans  
1 Thermostat  
1 Connection cable, 3.0 m with safety plug

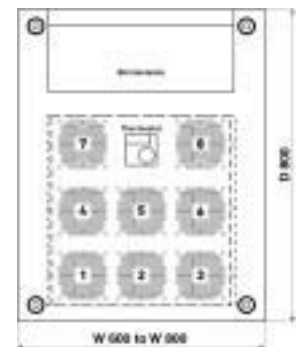
### How supplied

Assembled, wired and tested

W	H	D	For rack type	Order no.	UP
600		800	miracel	<b>03.026.306.1</b>	1 unit
700		800	miracel	<b>03.026.307.1</b>	1 unit
800		800	miracel	<b>03.026.308.1</b>	1 unit
600		900	miracel	<b>03.026.311.1</b>	1 unit
700		900	miracel	<b>03.026.312.1</b>	1 unit
800		900	miracel	<b>03.026.313.1</b>	1 unit
600		1000	miracel	<b>03.026.316.1</b>	1 unit
700		1000	miracel	<b>03.026.317.1</b>	1 unit
800		1000	miracel	<b>03.026.318.1</b>	1 unit



LUF20045



LUF20046



LUF20023

## Single Fan for Fan Cover

- For later installation in the fan cover
- For increasing the cooling output and removal of hotspots

### Supply schedule

1 Fan  
Mounting material

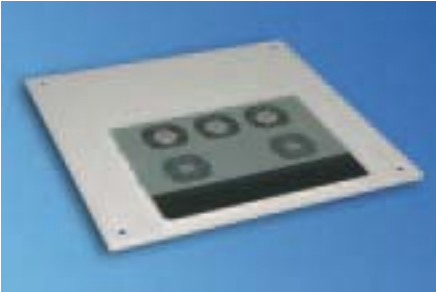
### How supplied

Flat packed kit

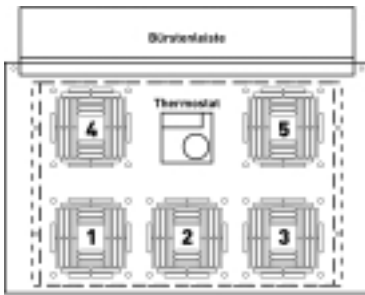
W	H	D	Order no.	UP
			<b>03.026.333.9</b>	1 unit



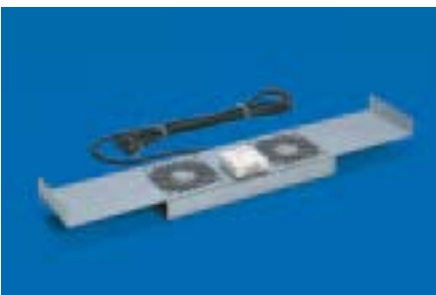
LUF20028



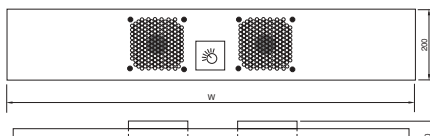
LUF20029



LUF20047



LUF00266



ELM00139

Dimensions in mm: W = Width, H = Height, D = Depth, h = Installation height, d = Useable depth, L = Length  
 HU = Standard height unit, 1 HU = 44.45 mm, UP = Unit of packaging, kg = Weight  
 = Express item  
 Conversion: 1 mm = 0.03937 inch, 1 kg = 2.2046 pound

## Ventilation Unit

- Suitable for all rack widths and depths
- For forced exhaustion
- With cable entry (brush strip)
- Installation in cover area, no loss of 19" installation space
- Easy installation also possible at a later stage
- Incl. 3 fans (117 m<sup>3</sup>/h per fan), (upgrade to 5 fans possible)
- Mains supply: 230 V / 50 Hz

**Material / Finish**  
 Sheet steel, 1.5 mm, zinc-passivated

**Approvals**  
 CE Label in accordance with the low potential guideline 73/23/EWG, EMC guideline 89/336/EWG

### Technical data, thermostat

Setting range: +10°C ... +60°C  
 Switching temperature differential (hysteresis): 2 K  
 Contact type: 1 changeover contact  
 Sensor: thermostatic bimetal  
 Contact rating: 230 VAC/10 A (heating), 5 A (cooling)  
 Interference suppression: in accordance with DIN 55014

### Supply schedule

1 Ventilation unit  
 1 2.0 m connection cable with protective contact plug  
 Type 1: with thermostat  
 Type 2: without thermostat  
 Mounting material

### How supplied

Assembled, wired and tested

W	H	D	For rack type	Order no.	UP
			Type 1	For miracel with thermostat	<b>03.026.111.9</b> 1 unit
			Type 2	For miracel without thermostat	<b>03.026.112.9</b> 1 unit

## Fan Installation Set

- For quick and easy forced exhaustion of racks
- Miracel / Tecoras Indoor
- Installation in the cover area
- No loss of 19" installation space
- Easy installation also possible at a later stage
- Incl. 2 fans (160 m<sup>3</sup>/h per fan)

**Material / Finish**  
 Sheet steel, 1.5 mm, zinc-passivated

**Approvals**  
 CE Label in accordance with the low potential guideline 73/23/EWG, EMC guideline 89/336/EWG

### Technical data, thermostat

Setting range: +10°C ... +60°C  
 Switching temperature differential (hysteresis): 2 K  
 Contact type: 1 changeover contact  
 Sensor: thermostatic bimetal  
 Contact rating: 230 VAC/10 A (heating), 5 A (cooling)  
 Interference suppression: in accordance with DIN 55014

### Supply schedule

1 Mounting panel for fan  
 2 Fans (160 m<sup>3</sup>/h)  
 1 Connection cable, 2.0 m with safety plug  
 Type 1: with thermostat  
 Type 2: without thermostat  
 Mounting material

### How supplied

Assembled, wired and tested

W	H	D	For rack type	Order no.	UP
534			miracel / B 600 / with thermostat	<b>01.113.430.0</b> 1 unit	
734			miracel / B 800 / with thermostat	<b>01.113.431.0</b> 1 unit	
534			miracel / B 600 / without thermostat	<b>01.113.330.0</b> 1 unit	
734			miracel / B 800 / without thermostat	<b>01.113.331.0</b> 1 unit	



ELM00103a

## Front Panel, Pivots

- For covering the lateral jumping space on the front in miracel racks, width 800
- Easy to open with jumpering work

**Material / Finish**  
Sheet steel, 1.0 mm, powder-coated texture

**Colour**  
RAL 7035 light-grey

**Supply schedule**  
2 Front panels  
Mounting material

**How supplied**  
Flat packed kit

W	H	D	HU/U	h	d	kg	Model	Order no.	UP
	1003		23				for rack width 800	<b>01.113.044.1</b>	1 unit
	1803		41				for rack width 800	<b>01.113.048.1</b>	1 unit
	2002		46				for rack width 800	<b>01.113.049.1</b>	1 unit