Vertiv™ Knürr™ Rack Portfolio Catalogue

Vertiv

Vertiv designs, builds and services mission critical technologies that enable the vital applications for data centers, communication networks, and commercial and industrial environments. We support today's growing mobile and cloud computing markets with our portfolio of power, thermal, infrastructure management products, software and solutions, all complemented by our global service network. Bringing together global reach and local knowledge, and our decades-long heritage including brands like Chloride®, Liebert® and NetSure™, our team of experts is ready to take on your most complex challenges, creating solutions that keep your systems running — and your business moving. Together, we're building the future of a world where critical technologies always work.

Your vision, Our passion.
Vertiv.com

Table of Contents

Vertiv™ Knürr™ MIR2
One system with Infinite Possibilities

Vertiv™ Knürr™ MIR, the classic amongst innovative racks, is demonstrated by the long-standing and continuous satisfaction of our customers.

Drawing on Vertiv's extensive experience with a wide range of applications, Miracel™ has now been adapted for network and server applications. The innovative Vertiv™ Knürr™ MIR2 has been designed to meet current requirements in order to ensure that it will continue to meet customers' needs well into the future.

For both network and server applications, the highly versatile Vertiv Knürr MIR2 combines various components and applications in one place.

Being a modular rack system, it can easily be expanded at any time and the cable entry points can be flexibly tailored for specific needs.

With a load rating of 800 kg, Vertiv Knürr MIR2 is a **cleverly designed space-saving rack** that offers ample space for a wide range of equipment and, thanks to the absence of depth members, also present at the sides, it provides maximum flexibility with the greatest possible space for cables and cooling components.

This rack's integrated castors and doors also make it easy to move without needing to be tilted.

Made from aluminum, Vertiv Knürr MIR2 is extremely **light**, minimizing raised floor loading and making it easy to transport and set up. The clever, fully-integrated T-slot system in the aluminum extrusions also allows for the free configuration of accessories and makes it easy to install each and every component.

Vertiv™ Knürr™ MIR2

Benefits of an All-in-One Server and Network Rack

Vertiv™ Knürr™ MIR2 – Technical Data

- **Material**

  - Extruded aluminum.

  - Corner piece: die-cast aluminum.

  - Casing: galvanized steel sheet.

  - Doors: steel sheet.

- **Installation dimensions in accordance with IEC 60297-1 and IEC 60297-2**

  - Height: 42 HE / 47 HE (1 HE (or 1U) = 44.45 mm).

  - Width: 482.6 mm (19" version).

- **Available space**

  - 80 mm jumpering space at the front, 215 mm ranges; customizable up on request.

- Internal hinge: 130° for rack suites: 160° for stand-alone racks.

- External hinge: 180° for stand-alone racks and rack suites.

- **Installation options**

  - Stationary: on levelling feet.

  - Mobile: with castor mounting and levelling feet.

- **Finish / Colour**

  - Basic rack: polished.

  - Visible surface of casing, powder-coated RAL 7021 dark-grey and RAL 7035 light-grey.

- **Static load rating**

  - 8000 N (stationary version).

  - 4000 N (mobile version).

- **Tests depending on the design**

  - Earthing and earth wire test in accordance with DIN EN 62368.

  - Other standards and certificates upon request.

- **Rack suites**

  To create a rack suite with "n" racks, you will need:

  - 1 x rack without side panels and one rack with side panels.

  - 1 x set of rack connectors per connection.

AIRFLOW

83% Perforation offers optimal airflow

EASY ACCESS

Easy access on all sides enables comfortable service and repair

RAISED HEIGHT

Raised height from 41/46U up to 42/47U

LOAD CAPACITY

800 KG

Load rate raised from 500kg up to 800kg

LIGHT WEIGHT

Light weight aluminium construction, minimizes raised floor loading

CLICK SYSTEM

Clickystem, easy mounting accessories

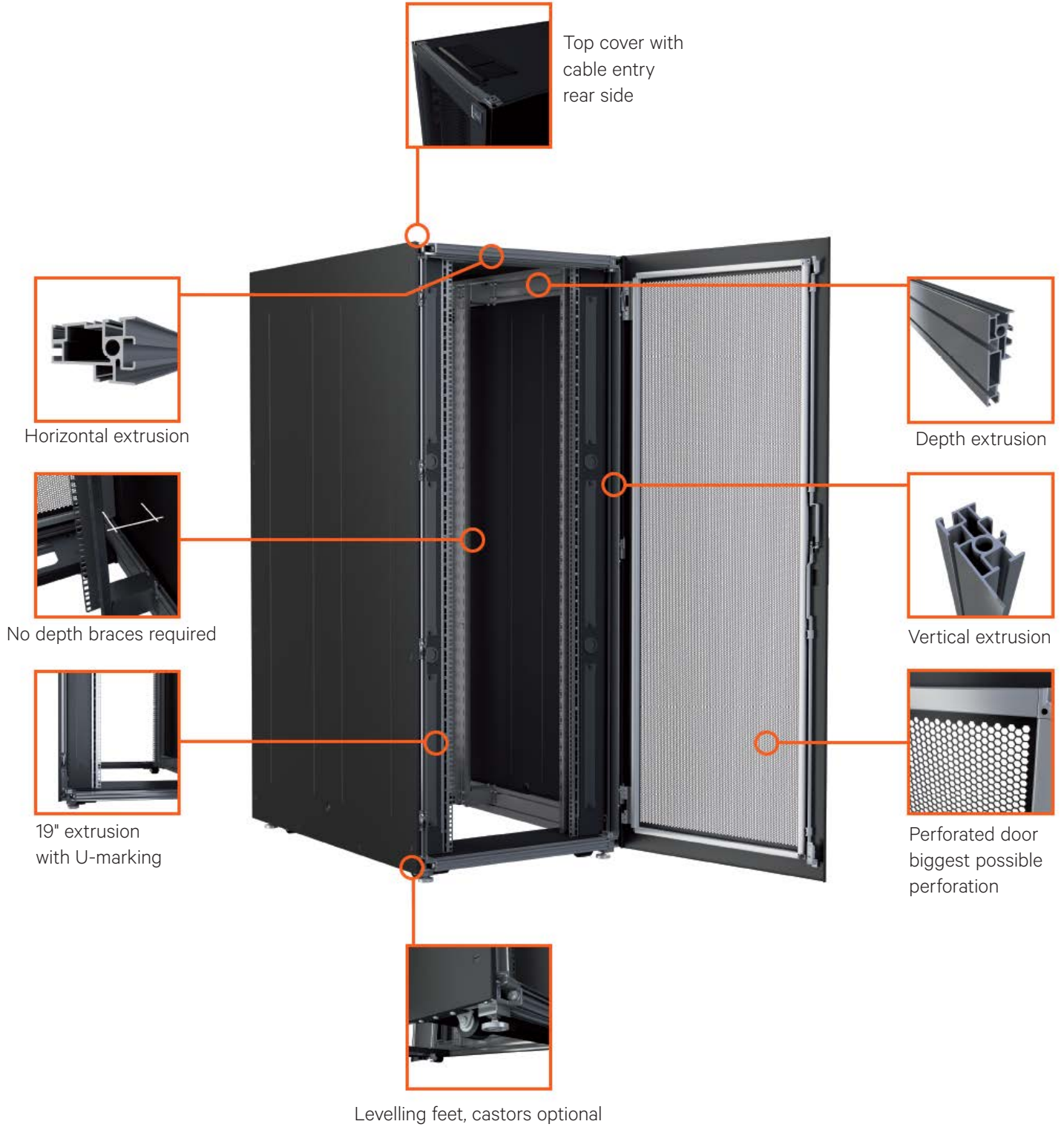## BENEFITS OF AN ALL IN ONE RACK

MODULAR

Modular design makes it easy to combine with DCM racks and SmartAisle™ Containment

CASTORS

Castors for easy transport

Vertiv™ Knürr™ MIR2 – Server Rack – Features

Top cover with cable entry rear side

Horizontal extrusion

No depth braces required

19" extrusion with U-marking

Levelling feet, castors optional

Depth extrusion

Vertical extrusion

Perforated door biggest possible perforation

Vertiv™ Knürr™ MIR2 – Server Rack

Vertiv™ Knürr™ MIR2 Server Rack
ITC20025

ITC20026

ITC20027

Vertiv™ Knürr™ MIR2 – Server Rack

- With fixed 19" mounting on the front and rear for IEC 297-3-compliant components.

- Perforated single leaf front and rear doors.

- Special 19" server extrusions for mounting all trade-standard 19" servers.

- Components compliant with IEC 297-3.

- Cable entry via base and top cover.

- Cable entry on the top cover, at the rear, can be completely removed, allowing the top cover to be fitted and removed after cabling.

- **Jumpering space**
  - Front: 80 mm.
- **Load rating**
  - 8000 N static.
- **Protection rating**
  - IP 20.
- **Tests**
  - Earthing complaint with VDE 0100 T540
  - Earthing complaint with DIN EN 62368
 - IP testing according IEC 60529
- **Material / Finish**
  - Basic rack: extruded aluminum.
  - Corner piece: die-cast aluminum, polished.
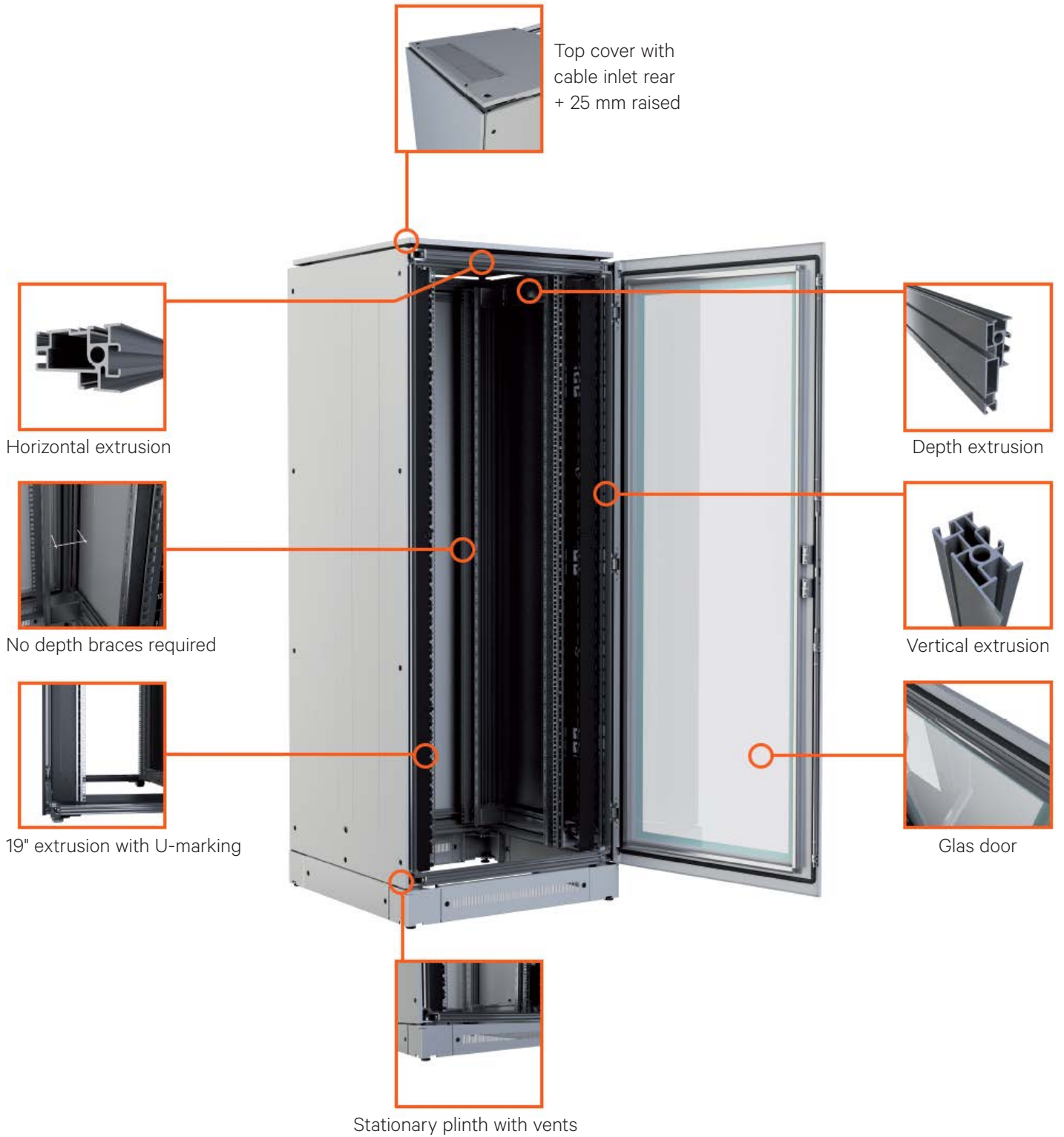 - Covers: galvanized steel sheet, powder-coated texture.

- Doors: steel sheet, powder-coated texture.
- 19" extrusions, 2.0 mm galvanized steel sheet.
- **Colour**
  - x = .1 visible surfaces and covers, RAL 7035 light-grey.
  - x = .8 visible surfaces and covers, RAL 7021 dark-grey.
- **Included in delivery**
  - 1 x basic rack.
  - 4 x 19" steel sheet server extrusions with HE markings.
  - 2 x side panels with quick connectors.
  - 1 x top cover with cable entry rear(three-piece sliding plates, can also be fully opened).
  - 1 x front door, single leaf, with handle and mounting for cylinder lock.
  - 1 x rear door, single leaf, with handle and mounting for cylinder lock.
  - 1 x complete earthing kit (VDE 0100).
  - 4 x levelling feet.
- **Delivered**
  - Assembled.
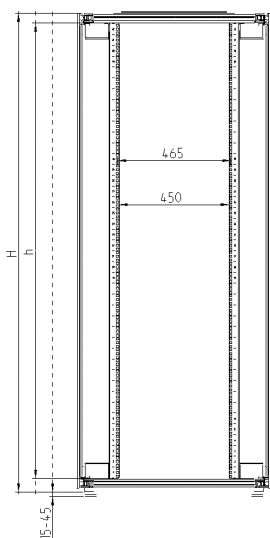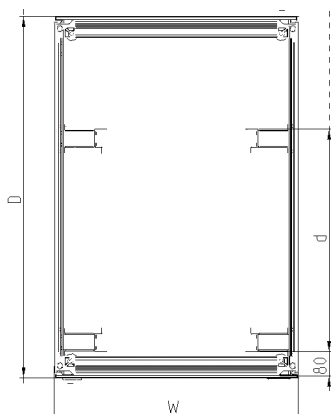
W	Nom. height	D	U	H	h	d	kg	Order No.	Units	
600	2000	1000	42	1969	1873	740	84	**01.157.007.x-026**	1 unit	
600	2200	1000	47	2191	2095	740	91	**01.157.007.x-036**	1 unit	
600	2000	1200	42	1969	1873	740	90	**01.157.007.x-028**	1 unit	
600	2200	1200	47	2191	2095	740	98	**01.157.007.x-038**	1 unit	
800	2000	1000	42	1969	1873	740	107	**01.157.011.x-026**	1 unit	P
800	2200	1000	47	2191	2095	740	116	**01.157.011.x-036**	1 unit	P
800	2000	1200	42	1969	1873	740	111	**01.157.011.x-028**	1 unit	P
800	2200	1200	47	2191	2095	740	123	**01.157.011.x-038**	1 unit	P

P = **assemble to order** (shipped within 5 working days). Caution: In case of larger orders, delivery times may increase.
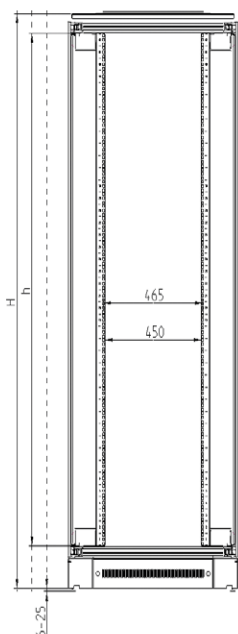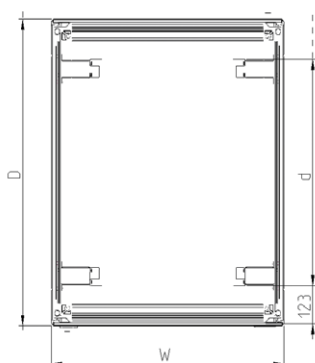
Vertiv™ Knürr™ MIR2 – LAN Rack – Features

Top cover with
cable inlet rear
+ 25 mm raised

Horizontal extrusion

Depth extrusion

No depth braces required

Vertical extrusion

19" extrusion with U-marking

Glas door

Stationary plinth with vents

Vertiv™ Knürr™ MIR2 – LAN Rack

Vertiv™ Knürr™ MIR2 Network Rack
ITC20028

ITC20029

ITC20030

Vertiv™ Knürr™ MIR2 – Network Rack

– With fixed 19" mounting on the front and rear for IEC 297-3-compliant components.

– Installation of slot-in runners, drawers, pull-out shelves and cable management equipment.

– Cable entry via plinth and top cover.

– Cable entry on the top cover, at the rear; top cover can be attached / removed after equipment installation.

– Heat is discharged via the raised top cover.

– Door opening angle 160° internal hinges.

- **Jumpering space**
  - Front: 123 mm.
- **Load rating**
  - 8000 N static .
- **Protection rating**
  - IP 20.
- **Tests**
  - Earthing complaint with VDE 0100 T540
  - Earthing complaint with DIN EN 62368
  - IP testing according IEC 60529
- **Material / Finish**
  - Basic rack: extruded aluminum.
  - Corner piece: die-cast aluminum, polished.
  - Casing: galvanized steel sheet, powder-coated texture.

- Doors, steel sheet, powder-coated texture, glass infill front door, single safety-glass panel, 4 mm.

- 19" extrusions, 1.5 mm galvanized steel sheet.

- **Colour**
  - x = .1 visible surfaces and covers, RAL 7035 light-grey.
  - x = .8 visible surfaces and covers, RAL 7021 dark-grey.

- **Included in delivery**
  - 1 basic rack.
  - 4 x 19" perforated steel sheet extrusions with HE markings. Depth 600 2 x 19".
  - 2 x side panels with quick connectors.
  - 1 x raised top cover with cable entry rear (three-piece sliding plates, can also be fully opened) at the rear.
  - 1 x front door, single leaf, single safety-glass panel, with handle and mounting for cylinder lock.
  - 1 x rear door, single leaf, steel sheet, with handle and mounting for cylinder lock .
  - 1 x plinth with vents at the front and rear, including closed sides and mounting for filter mat.
  - 1 x complete earthing kit (VDE 0100).
  - 4 x levelling feet.

- **Delivered**
  - Assembled.

w	H	D	U	h	d	kg	Order No.	Units
800	2120	600	42	1873		88	**01.157.005.x-022**	1 unit
800	2340	600	47	2095		96	**01.157.005.x-032**	1 unit
800	2120	800	42	1873	565	115	**01.157.005.x-024**	1 unit
800	2340	800	47	2095	565	116	**01.157.005.x-034**	1 unit
800	2120	1000	42	1873	740	126	**01.157.005.x-026**	1 unit
800	2340	1000	47	2095	740	138	**01.157.005.x-036**	1 unit

Vertiv™ Knürr™ MIR2 Server and Network Rack

Configurator

Vertiv™ Knürr™ MIR2 – configured by you

Vertiv Knürr MIR2 is one of our configurable rack platforms.
You can easily select the options you need for your individual rack, based on the matrix.

Example product number

	Dimensions			Doors		19" Extrusions		Cover parts						Colours
Product	Height	Width	Depth	Front Door	Rear Door	19" Front Vertical Extrusion	19" Rear Vertical Extrusion	Top Cover	Plinth	Side Panel	Packaging	Jumpering Depth	Free	Colour
N	B	8	E	A	B	S	S	B	A	B	X	Q	X	8

Option Matrix

Dimensions — 2, 3, 4 | **Doors** — 5, 6 | **19" Extrusions** — 7, 8 | **Cover parts** — 9, 10, 11 | 12, 13, 14 | **Colour** — 15

Option Matrix	Rack Height (2)	Rack Width (3)	Rack Depth (4)	Front Door (5)	Rear Door (6)	19" Vertical Extrusion Front (7)	19" Vertical Extrusion Rear (8)	Top Cover (9)	Plinth (10)	Side Panel (11)	Packaging (12)	19" vertical extrusion, mounting position front and space between (13)	Free (14)	Colour (15)
N= Vertiv™ Knürr™ MIR2 Rack	B= 42 U	6= 600 mm	C= 800 mm	A= Glass single door right	A= Glass single door right	A= 19" vertical server extrusion with air partition and 3x1 U cut-outs*	H= 19" vertical extrusion with mounting holes	B= Top Cover, with cut out for fan units, with cable inlet rear	A= Plinth, stationary 100mm, all sides closed	B= Both sides	X = Standard packaging	A= 80/740mm*	X	1= RAL 7035
	D= 47 U	8= 800 mm	D= 900 mm	B= Sheet steel single door right	B= Sheet steel single door right	B= 19" vertical server extrusion with air partition	S= 19" vertical server extrusion	C= Top cover with cable inlet rear	B= Plinth, stationary 200mm, all sides closed	C= Partitioning wall fixed right		C= 115/740mm*		8= RAL 7021
			E= 1000 mm	C= Perforated single door	C= Perforated single door	C= 19" vertical server extrusion with cable management*	T= 19" Vertical Extrusion with T-Slot	E= Top cover short with lateral cable inlet closed	F= Without plinth. Adjustable feed only	D= Partitioning wall fixed left		D= 123/740mm*		X= blank**
			F= 1100 mm	D= 180° perforated single door right	D= 180° perforated single door right	H= 19" vertical extrusion with mounting holes	X= Without 19" extrusions	G= Top cover short	G= Plinth, stationary 100mm, with vent slots	L= Left		E= 200/740mm*		
			G= 1200 mm	E= Glass double door	E= Glass double door	S= 19" vertical server extrusion		S= Top cover without cut out for fan units, with cable inlet rear, with spacer	H= Plinth, stationary 200mm, with vent slots	R= Right		F= 215/740mm*		
				F= Sheet steel double door	F= Sheet steel double door	T= 19" Vertical Extrusion with T-Slot		X= Without top cover	R= Mobile casters	X= Without side panels		G= 150/740mm*		
				G= Sheet steel perforated double door	G= Sheet steel perforated double door	X= Without 19" extrusions						Q= 80/565mm*		
				H= 180° perforated double door	H= 180° perforated double door							T= 123/565mm*		
				M= 180° sheet steel single door right	M= 180° sheet steel single door right							U= 150/565mm*		
				N= 180° sheet steel double door	N= 180° sheet steel double door							V= 200/565mm*		
				P= 180° glass single door right	P= 180° glass single door right									
				Q= 180°glass double door	Q= 180°glass double door									
				X= Without door	R= rear panel									
					X= Without door									

← SELECT YOUR OPTIONS

Remarks:
* this options might not be possible with each Rack width, depth and 19" mounting position.
** use "X" if select no cladding parts.

Ⓟ = **assemble to order** (shipped within 5 working days). Caution: In case of larger orders, delivery times may increase.
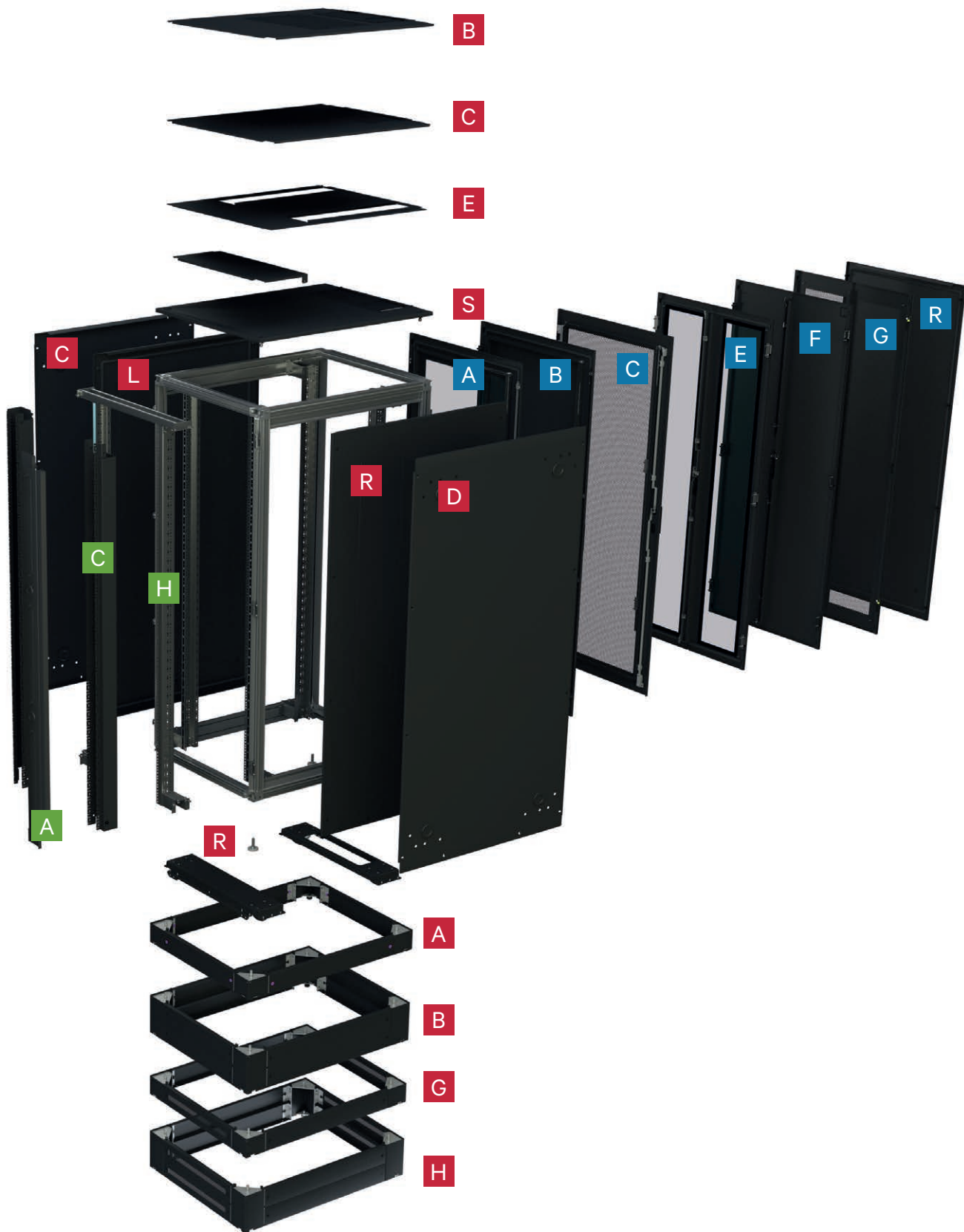
Vertiv™ Knürr™ MIR2 Server and Network Rack

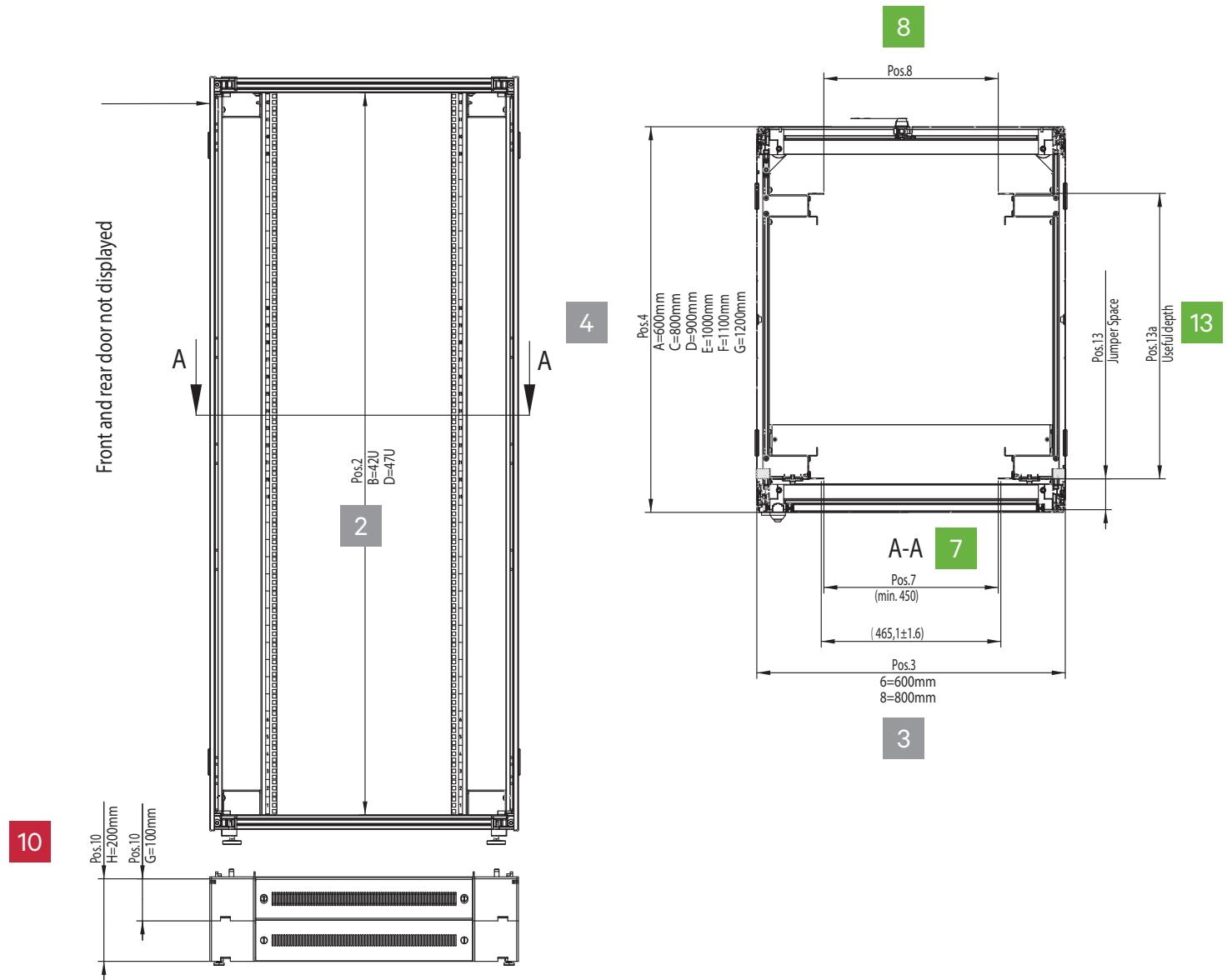Configurator – Technical Overview of selectable options

Overview of all mountable parts

Product	Height	Width	Depth	Front Door	Rear Door	19" Vertikal Extrusion front	19" Vertikal Extrusion rear	Top Cover	Plinth	Side Panel	Packaging	Jumpering Space	Free	Colour
	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Vertiv™ Knürr™ MIR2 Server and Network Rack

Configurator – Technical Overview of selectable options

8

Pos.8

Front and rear door not displayed

4

A — A

Pos.2
B=42U
D=47U

2

Pos.4
A=600mm
C=800mm
D=900mm
E=1000mm
F=1100mm
G=1200mm

Pos.13
Jumper Space

Pos.13a
Useful depth

13

A-A **7**

Pos.7
(min. 450)

(465,1±1.6)

Pos.3
6=600mm
8=800mm

3

10

Pos.10
H=200mm

Pos.10
G=100mm

Product	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Product	**Height**	**Width**	**Depth**	Front Door	Rear Door	**19" Vertikal Extrusion front**	**19" Vertikal Extrusion rear**	Top Cover	**Plinth**	Side Panel	Packaging	**Jumpering Space**	Free	Colour

MIR20336
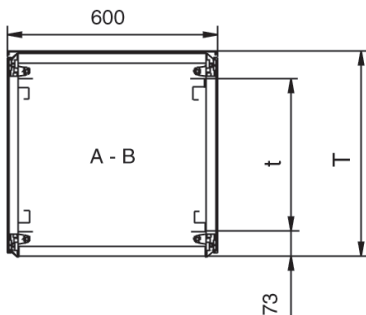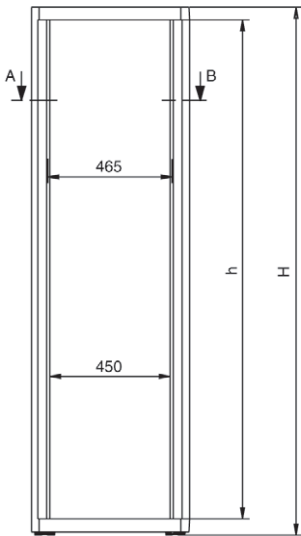
MIR00301

Vertiv™ Knürr™ MIR IP 54, on request
With single glass door, width 600 mm

- With fixed 19" component on the front and rear.

- For IEC 297-3-compliant components.

- Door opening angle, 180°.

- For installing 19" components on the front and rear.

- For installation equipment with a max. width of 450 mm.

- Installation accessories.

- **Jumpering space**
  - Front 73 mm.

- **Load rating**
  - 5000 N static.

- **Protection rating**
  - IP 54.

- **Tests**
  - Earthing complaint with VDE 0100 T540
  - Earthing complaint with DIN EN 62368
  - IP testing according IEC 60529

- **Material / Finish**
  - Basic rack, extruded aluminum, polished.
  - Corner piece, die-cast aluminum, 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 braces and 19" extrusions, sheet steel, zinc-passivated.

- **Colour**
  - Visible surface of the covers, RAL 7035 light-grey.

- **Scope of delivery**
  - 1 x basic rack.
  - 4 x 19"sheet steel angular extrusions with mounting holes.
  - 2 x multifunctional braces for cable clamping and universal mounting options.
  - 1 x top cover, closed, IP 54.
  - 1 x front door, single, single safety-glass panel, with handle and mounting for cylinder lock, IP54.
  - 1 x rear panel with quick connectors, IP 54.
  - 2 x side panels with quick connectors, IP 54.
  - 1 x floor, closed, IP 54.
  - 4 x leveling feet (0 - 25 mm).

- **How supplied**
  - Mounted.

- **Note on rack suites**

  To create a rack suite with "n" racks, the following is required:
  - (n-1) racks without side panels.
  - 1 rack with side panels.

  In a rack suite, per connection you will require a set of BN 01.130.935.7 suite connectors.

W	H	D	U	h	d	kg	Order No.	UP
600	1800	600	37	1652	440	75	**01.132.271.1**	1 unit
600	2000	600	41	1852	440	80	**01.132.272.1**	1 unit
600	1800	800	37	1652	640	83	**01.132.277.1**	1 unit
600	2000	800	41	1852	640	90	**01.132.278.1**	1 unit

Accessories for Vertiv™ Knürr™ MIR IP54 Rack on request
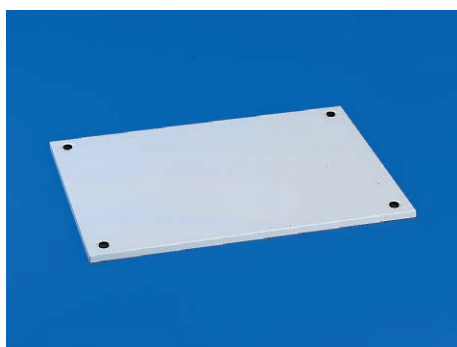
MIR00070

Vertiv™ Knürr™ MIR top cover Closed, IP54

- Can be optionally used as top cover or bottom cover (combination with stationary plinth in not possible with us as bottom cover).

- **Protection rating**

  - Installation in the Vertiv™ Knürr™ MIR (depending on other rack components), achieves a maximum protection rating of IP 54.

- **Finish**

  - Powder-coated texture, RAL 7035.

- **Scope of delivery**

  - 1 x cover, closed.

  - 1 x Mounting kit.

- **How supplied**

  - In sets.

W	D		Order No.	UP
600	600		**01.130.690.1**	1 unit
600	800		**01.130.691.1**	1 unit
600	900		**01.130.692.1**	1 unit
600	1000		**01.127.700.1**	1 unit
600	1200		**01.133.760.1**	1 unit
800	600		**01.130.691.1**	1 unit
800	800		**01.130.699.1**	1 unit
800	900		**01.130.700.1**	1 unit
800	1000		**01.127.702.1**	1 unit
800	1200		**01.133.762.1**	1 unit

Dimensions in mm: **Conversion:**

W	= Width	h	= Installation height	U	= Standard rack unit	kg	= Weight	1 mm	= 0.03937 inch
H	= Height	d	= Insertion depth		(1 U = 44.45 mm)			1 kg	= 2.2046 pounds
D	= Depth	L	= Length		UP = Packaging unit				

19

Vertiv™ Knürr™ DCM Rack System

Market-leading Data Center Technologies for your Company

Integrated solutions.

Integrated benefits.

Integrated energy efficiency.

- **Reliability:**
  Proven business-critical technologies that minimize failure sources and guarantee the greatest possible reliability for your IT systems.

- **Everything from one source:**
  One central provider for the provision, configuration, installation and support of your products and technologies.

- **Integration:**
  From the rack through to the entire room - our products and services form one integrated holistic system.

- **Technical support:**
  Where required, on-site and factory-site support is provided by application specialists. Vertiv has the largest team of customer service specialists in the world.

- **Flexible configuration options:**
  Our products and technologies deliver flexibility, adaptability and cost-effective solutions.

- **Energy efficiency:**
  We offer our customers "Green IT" solutions that set standards on the ITC market – a data-center infrastructure that stays abreast current and future requirements and facilitates management and automation of physical infrastructure.

Vertiv Knürr provides comprehensive products and services for all requirements – from compact racks and computer rooms, right through to global data centers.

Based on a variety of data centers' specific requirements, Vertiv has developed a customized, ready-made solution: rack systems with integrated thermal management, power supply cooling and monitoring. We also provide optional services such as on-site expertise and support, thereby ensuring that you can easily order, configure, manage and implement your Vertiv™ Knürr™ solution.

Cooling Rack

Power Rack

Telecom Rack

Colocation Rack

Server Rack

Network Rack

Cabling Rack

Integrated Racks

Rack Cooling

Rack PDU

KVM Switch

Serial Console

LCD Trays

UPS

Monitoring
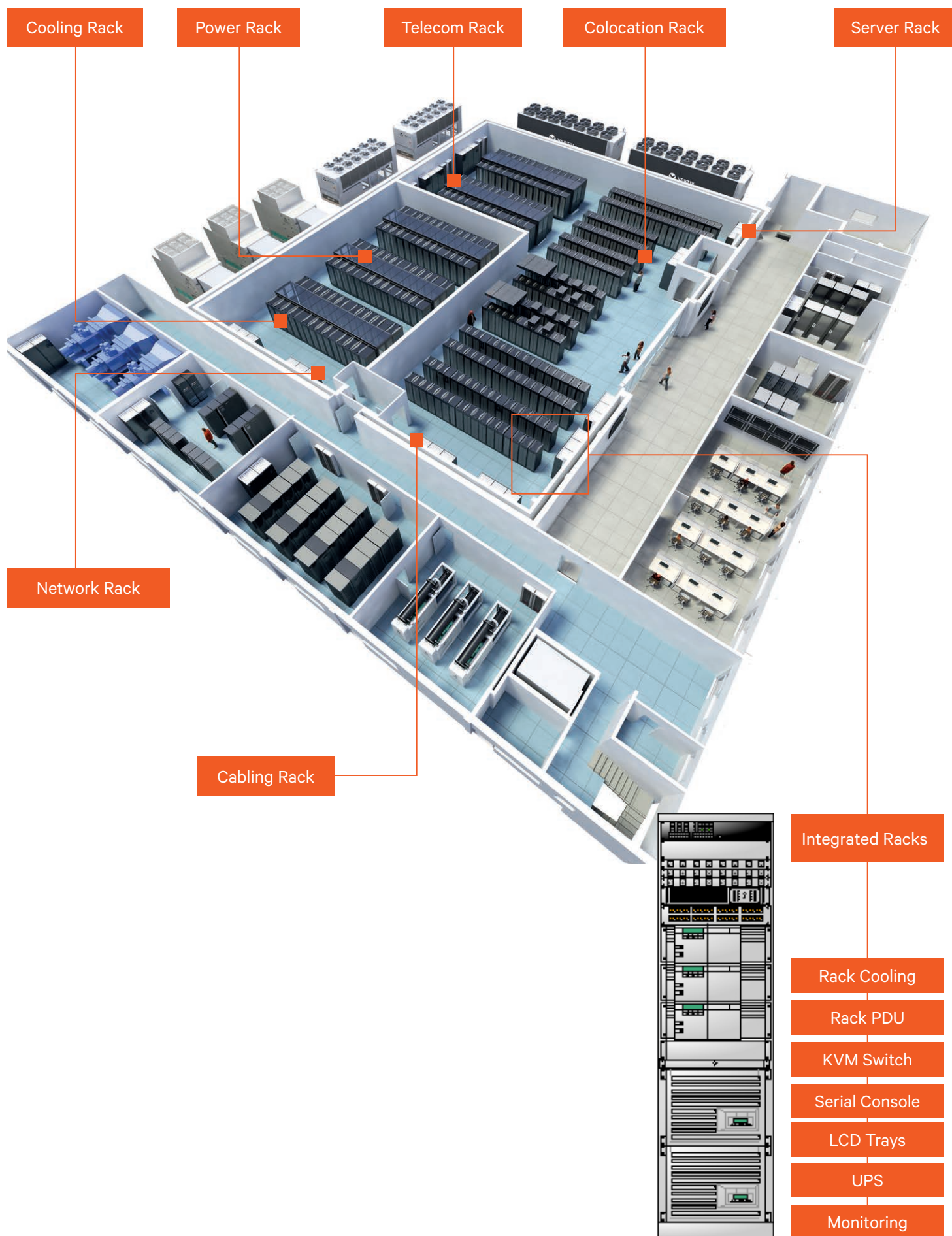
Vertiv™ Knürr DCM™

The Modular Rack Platform for a Future-proof Data Center

- Modular building box: quick, cost-effective and sustainable.

- Maximum space for power-supply and cabling components allowing them to be placed alongside the panels.

- Structural stability with low weight provided by light aluminum structure that can be disassembled.

- More variability with stepless, adjustable-depth air containment with vertical extrusions.

Everything in the data center begins with the Vertiv™ Knürr DCM™!

The Vertiv Knürr DCM is the modular building block for all "in row" applications of Vertiv's products. It's used as server racks, power racks, or storage racks.

COLD AISLE CONTAINMENT

Vertiv™ SmartAisle™

MODULAR UPS

Liebert® APM

Server rack

Vertiv™ Knürr DCM™
Vertiv™ Knürr DCM™ Colocation

Aisle cooler

Liebert® CRV
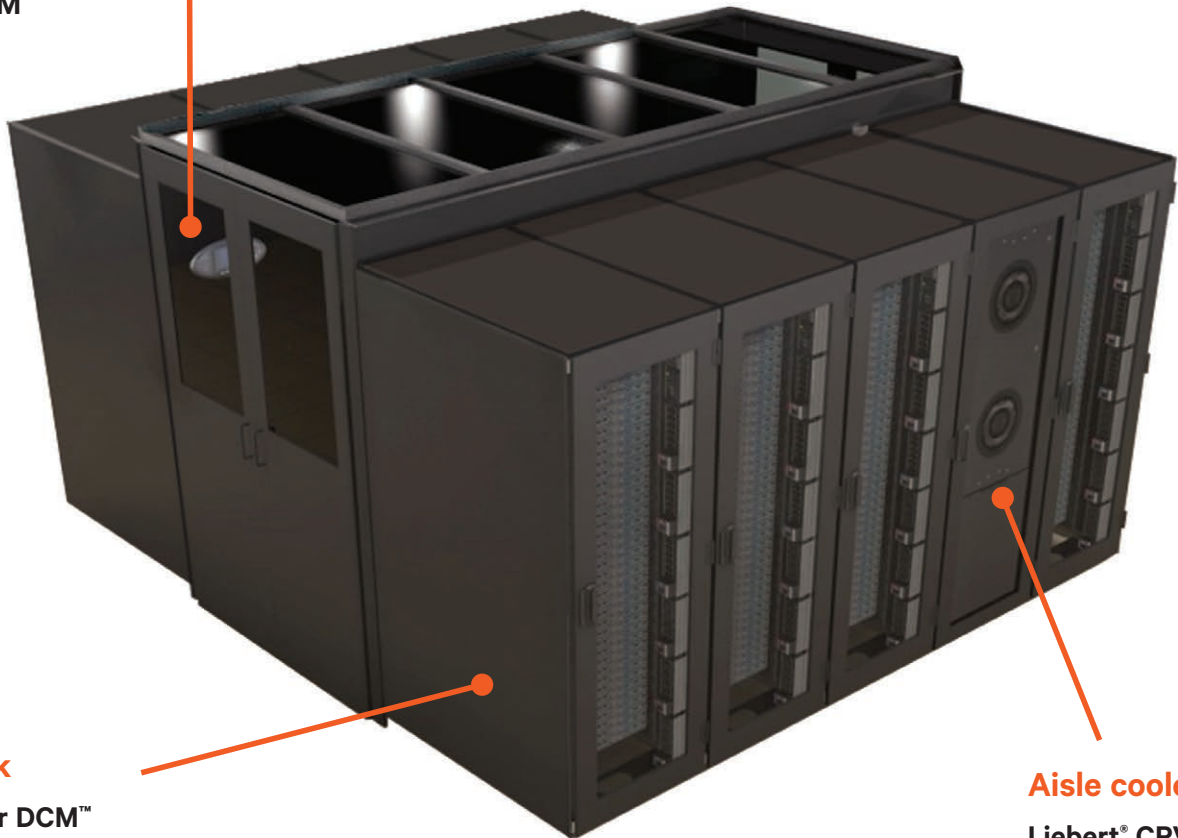
Vertiv™ Knürr DCM™

Application-optimized Server-Rack Solution – The Keystone for your IT Solutions

The right rack size for every application

- **Vertiv™ Knürr™ Data Center Module**
  The Vertiv™ Knürr DCM™ is Vertiv's globally available rack for world-wide, standardized data center planning.

- **Global standard**
  The 2000 mm height and 1100 mm depth rack version is the global platform for rack suites at Vertiv. Cooling racks, power racks and server racks based on the Knürr DCM™ platform guarantee easy integration into the rack suite.

- **Metric measurements**
  for global use.

- **Stable and secure**
  Vertiv Knürr DCM seismic-tested version available up on request. Static load of up to 1500 kg. Flexible use as a server or active network rack.

Height

2600 mm / 56 U

2400 mm / 52 U

2200 mm / 47 U

2000 mm / 42 U

1000 mm
1100 mm
1200 mm

Width

600 mm
800 mm

Depth

Vertiv™ Knürr DCM™

Features
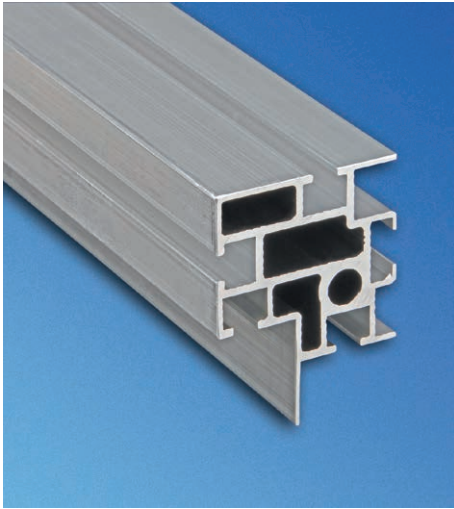
1. DCM20059

3. DCM20030

- **High-load cabinet**
  Static load of 1500 kg featuring a new design, more stable profiles and new high-load corner joints. (1)

- **Screw design**
  Since the rack can easily be dismantled, even to the most restricted areas are accessible. (2)

- **Light aluminum frame**
  Lower weight allows for easier, lighter transportation. (3)

- **Convenient**
  Tool-free door assembly (4)

- **Low, heavy-duty casters**
  Even fully equipped rack can be moved safely and conveniently. (5)

- **Integrated tilt restraint**
  Quick and easy installation and disassembly.

- **Cable management**
  Guaranteed orderly and space-saving cable management. Adaptable to site installation requirements: cable management can be selected from an extensive range of accessory components. (6)

- **Largest possible perforation**
  For improved airflow. (7)

- **Maximum space**
  PDUs and cable management can also be housed in the space between the 19" level and the side panel.

- **Adjustable-depth air separation**
  Cold/warm air is sealed alongside the panels, permitting adjustment of the depth. The standard air-containment accessory (with 1 U slot) can be used to increase the usable space of your server rack up to 6 U. (8)

2. *DCM20008*

4. *DCM20006*

5. *DCM20028*
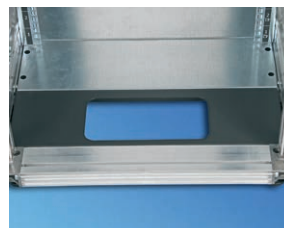
6. *DCM20027*
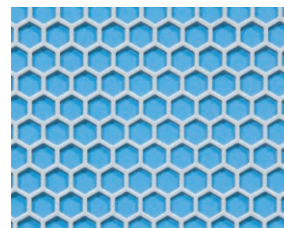
7. *MIR20265*
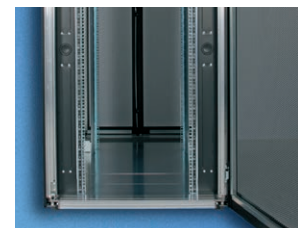
8. *DCM20000*

Vertiv™ Knürr DCM™
Technical Data
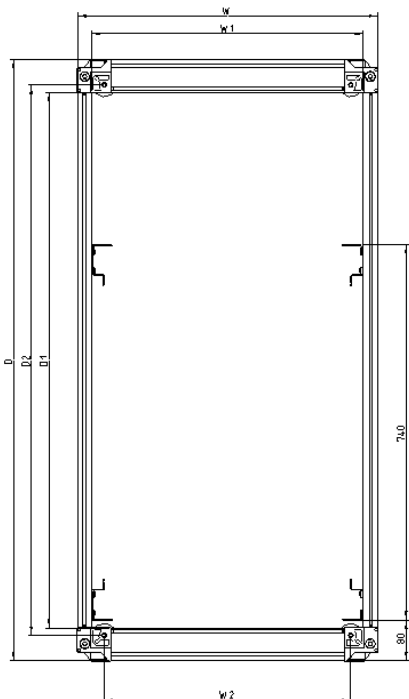
DCM20066
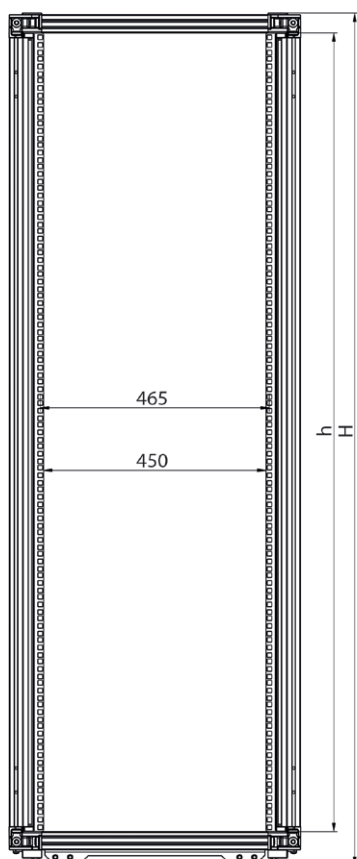
- **Material**
  - Extruded aluminum.
  - Corner piece, die-cast aluminum.
  - Covers, steel sheet, zinc-passivated.
  - Steel sheet doors.

- **Installation dimensions compliant with IEC 60297-1 and IEC 60297-2**
  - Height: 42 U / 47 U / 52 U / 56 U (1U = 44.45 mm)
  - Width: 482.6 mm (19" construction).

- **Available space**
  - Jumpering space, 80 mm.
  - 130° door opening angle in the rack suite and 160° as individual rack.

- **Configurations**
  - Stationary on leveling feet.
  - Mobile with caster mounting and leveling feet.

- **Finish/Colour**
  - Basic rack, polished.
  - Visible surface of covers RAL 7021 dark-grey.

- **Static load rating**
  - 15000 N (stationary model).
  - 10000 N (mobile model).

- **Tests depending on design**
  - Earthing complaint with VDE 0100 T540
  - Earthing complaint with DIN EN 62368
  - IP testing according IEC 60529

Further standards and tests may be provided upon on request.

- **Rack suites**

  To create a rack suite with "n" racks, the following is required:
  - n-1 racks without side panels and 1 rack with side panels.
  - In a rack suite, per connection you one set of rack connectors.

Nom. dimension	W	W1	W2	D	D1	D2
W 600 / D 1000	591	535	485	986	856	885
W 600 / D 1100	591	535	485	1086	956	985
W 600 / D 1200	591	535	485	1186	1056	1085
W 800 / D 1000	791	735	685	986	856	885
W 800 / D 1100	791	735	685	1086	956	985
W 800 / D 1200	791	735	685	1186	1056	1085

Nom. height	H	h
H 2000	1983	1872
H 2200	2205	2095
H 2400	2428	2317
H 2600	2605	2495

Dimensions in mm:

					Conversion:	
W = Width	h = Installation height	U = Standard rack unit	kg = Weight		1 mm = 0.03937 inch	
H = Height	d = Insertion depth	(1 U = 44.45 mm)			1 kg = 2.2046 pounds	
D = Depth	L = Length	UP = Packaging unit				

Vertiv™ Knürr DCM™
Configurator

- Up to 2.5 million different assembly options
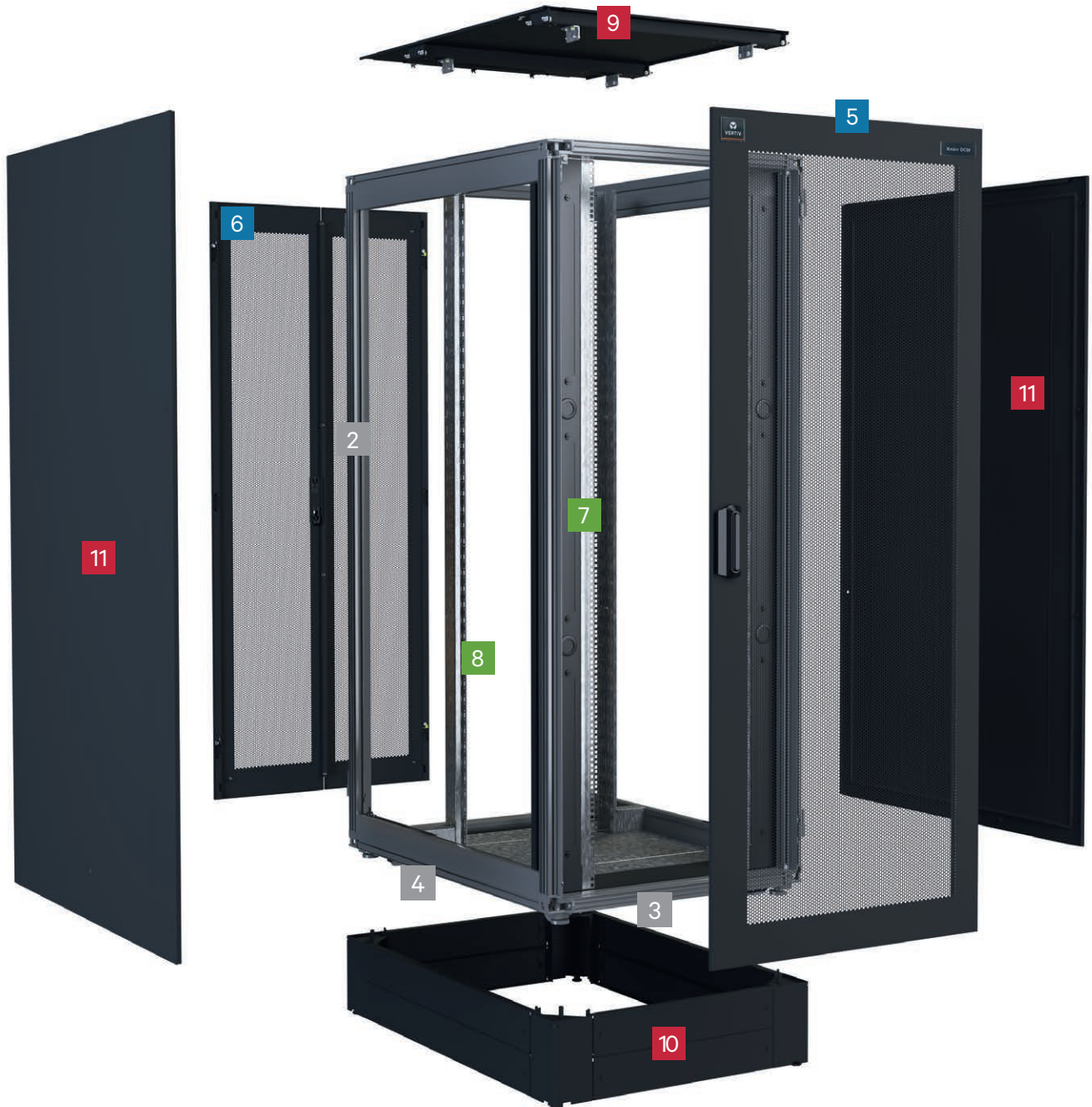
Vertiv™ Knürr DCM™
Configured by you

Impressive number of variations:

There are now up to 2.5 million options for a configuration with the 'Configurable Article Number' (which replaces the old order numbers).

A system building box that significantly simplifies your combinations.

This 'Configurable Article Number' reproduces all requested properties via multiple choice (see chart below), without requiring detailed rack descriptions.

Definite identification is also possible with a repeat order or upgrade.

The 'Configurable Article Number' makes a significant contribution to simplifying the selection and ordering process.

Product line
Vertiv™ Knürr DCM™

	Dimensions			Doors		19" Extrusions		Covers			Packaging			Colour
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
	Rack Height	Rack Width	Rack Depth	Front Door	Rear Door	19"-Front Vertical Extrusion	19"-Rear Vertical Extrusion	Cover	Plinth	Side Panel	Packaging	19" vertical extrusion, mounting position front and space between	Free	Colour
D= [P] Vertiv™ Knürr™ DCM Rack	**B=** [P] 42 U	**6=** 600 mm	**E=** [P] 1000 mm	**A=** [P] Single glass door	**A=** [P] Single glass door	**A=** 19" vertical server extrusion with air containment and 3x1 U cut-outs*	**S=** [P] 19" vertical server extrusion	**C=** [P] Top cover with cable entry	**A=** Fixed plinth, 100 mm	**B=** [P] Both sides	**X=** [P] Standard packaging	**A=** [P] 80/740mm	**X** [P]	**1=** [P] RAL 7035
	D= [P] 47 U	**8=** [P] 800 mm	**F=** 1100 mm	**B=** [P] Single steel sheet door	**B=** [P] Single steel sheet door	**B=** 19" vertical server extrusion with air containment	**X=** [P] Without 19" extrusions	**E=** [P] Cover with lateral cable entry	**B=** Fixed plinth, 200 mm	**C=** Partitioning wall fixed right		**B=** 85/740 mm		**8=** [P] RAL 7021
			G= 1200 mm	**C=** [P] Perforated single door	**C=** [P] Perforated single door	**C=** 19" Server extrusion with vertical cablemanger*		**G=** Cover short	**F=** [P] Fixed without plinth. Only feet are height-adjustable	**D=** Partitioning wall fixed left		**C=** 115/740 mm		**X=** [P] without colour **
				D= [P] 180° perforated single door right	**D=** [P] 180° perforated single door right	**S=** [P] 19" vertical server extrusion		**S=** Top cover without cut out for fan units, with cable inlet rear, with spacer	**G=** [P] Plinth, stationary 100mm, with vent slots	**L=** [P] Left		**D=** [P] 123/740 mm		
				E= Glass double door	**E=** Glass double door			**X=** [P] Without cover	**H=** Plinth, stationary 200mm, with vent slots	**R=** [P] Right		**E=** 200/740 mm*		
				F= [P] Sheet steel double door	**F=** [P] Sheet steel double door				**R=** [P] With casters	**X=** [P] Without		**F=** 215/740 mm*		
				G= [P] Sheet steel perforated double door	**G=** [P] Sheet steel perforated double door							**G=** [P] 150/740 mm		
				H= 180° perforated double door	**H=** 180° perforated double door									
				M= 180° sheet steel single door right	**M=** 180° sheet steel single door right									
				N= 180° sheet steel double door	**N=** 180° sheet steel double door									
				P= 180° glass single door right	**P=** 180° glass single door right									
				Q= 180°glass double door	**Q=** 180°glass double door									
				X= [P] Without door	**R=** Back cover									
					X= [P] Without door									

Configuration example:

Product	Height	Width	Depth	Front Door	Rear Door	19"- Front Vertical Extrusion	19"- Rear Vertical Extrusion	Cover	Plinth	Side Panel	Packaging	19" extrusion inseration depth	Free	Colour
D	**B**	**8**	**F**	**G**	**X**	**A**	**X**	**C**	**B**	**L**	**X**	**A**	**X**	**8**

Remarks:
*   *this options might not be possible with each Rack width, depth and 19" mounting position.*
** *use "X" if select no cladding parts.*
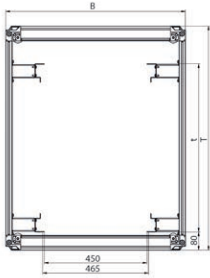
[P] = **assemble to order** (shipped within 5 working days).
Caution: In case of larger orders, delivery times may increase.

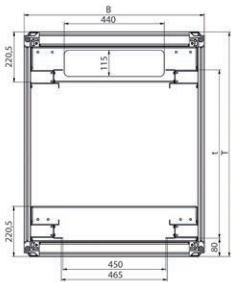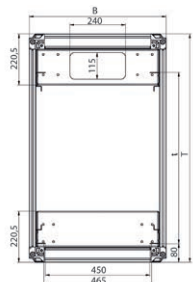DCM20003 stationary   DCM20022 mobile

DCM20063 Average width 800 mm, stationary

DCM20062 Average width 600 mm, stationary

DCM20065 Average width 800 mm, mobile

DCM20064 Average width 600 mm, mobile

P = **assemble to order** (shipped within 5 working days).
Caution: In case of larger orders, delivery times
may increase.

Vertiv™ Knürr DCM™ 19" Heavy Duty Server Rack
Width 600 and 800, Stationary and Mobile

- Perforated front door.
- Perforated rear double door.
- Special 19" server extrusions for mounting all off-the-shelf 19" servers.
- Components compliant with IEC 297-3.
- Cable entry via top and bottom cover.
- Cable entry on the top cover can be completely removed at the rear allowing installing and removal of top cover after cabling.
- Mobile design includes heavy-duty casters with ample floor clearance.

- **Jumpering space**
  - Front 80 mm.
- **Load rating**
  - 15000 N static.
  - 10000 N mobile in data center with load.
- **Protection rating**
  - IP 20.
- **Tests**
  - Earthing complaint with VDE 0100 T540
  - Earthing complaint with DIN EN 62368
  - IP testing according IEC 60529
- **Airflow circulation**
  - Perforation: 83 %.
- **Material / Finish**
  - Basic rack, extruded aluminum, polished.
  - Corner piece, die-cast aluminum, polished.
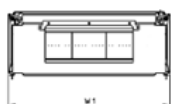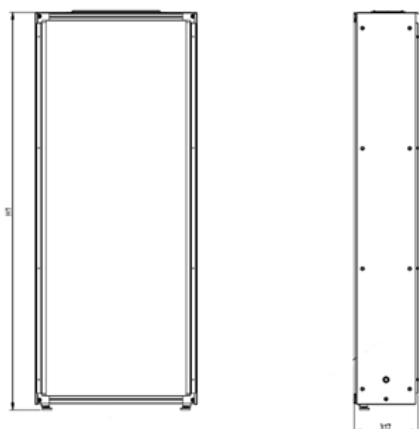
- Doors, steel sheet, powder-coated texture.
- Covers, zinc-passivated steel sheet, powder-coated texture.
- 19" extrusions, 2.0 mm zinc-passivated steel sheet.
- **Colour**
  - Visible surfaces and covers coated with RAL 7021, dark-grey.
- **Scope of delivery**
  - 1 x basic rack.
  - 4 x 19" server extrusions, steel sheet inclusive U marking.
  - 2 x side panels with quick connectors.
  - 1 x top cover with cable entry (three-piece sliding plates can also be opened completely).
  - 1 x front door, single, perforated, with handle and mounting for cylinder lock.
  - 1 x rear door, double, perforated, steel sheet, with handle and mounting for cylinder lock.
  - 4 x leveling feet.
  - 1 x complete earthing test (VDE 0100).
  - Mobile design: additionally 2 caster mountings with heavy-duty casters and integrated cable entry.
- **How supplied**
  - Mounted.

W	H	D	U	d	kg	Model	Order No.	UP
600	2000	1200	42	740	117	Stationary with side panels	**DB6GCGSSCFBXXX8**	1 unit
600	2200	1200	47	740	121	Stationary with side panels	**DD6GCGSSCFBXXX8**	1 unit
800	2000	1200	42	740	132	Stationary with side panels	**DB8GCGSSCFBXXX8**	1 unit **P**
800	2200	1200	47	740	136	Stationary with side panels	**DD8GCGSSCFBXXX8**	1 unit **P**
600	2000	1200	42	740	75	Stationary, no side panels	**DB6GCGSSCFXXXX8**	1 unit
600	2200	1200	47	740	81	Stationary, no side panels	**DD6GCGSSCFXXXX8**	1 unit
800	2000	1200	42	740	92	Stationary, no side panels	**DB8GCGSSCFXXXX8**	1 unit **P**
800	2200	1200	47	740	94	Stationary, no side panels	**DD8GCGSSCFXXXX8**	1 unit **P**
600	2000	1200	42	740	127	Mobile with side panels	**DB6GCGSSCRBXXX8**	1 unit
800	2200	1200	47	740	146	Mobile with side panels	**DD8GCGSSCRBXXX8**	1 unit **P**
600	2000	1200	42	740	85	Mobile, no side panels	**DB6GCGSSCRXXXX8**	1 unit
800	2200	1200	47	740	104	Mobile, no side panels	**DD8GCGSSCRXXXX8**	1 unit **P**
600	2400	1200	52	740		Stationary with side panels	**on request**	1 unit
800	2600	1200	56	740		Stationary with side panels	**on request**	1 unit
600	2400	1200	52	740		Stationary with side panels	**on request**	1 unit
800	2600	1200	56	740		Stationary with side panels	**on request**	1 unit

Vertiv™ Knürr DCM™ / Knürr™ Miracel™ 2 Extension Kit

The Knurr DCM™ / Knurr™ Miracel™ 2 Extension kit is ideal for assembling on existing Racks, if the equipment needs more space. The assembling of PDU's, cable management accessories is also possible within the frame.

Features:

- Extends the depth of the Rack.

- Rear door from the existing Rack can be used on the extension kit.

- Cable entry via base and top cover.

- Cable entry on the top cover, at the rear, can be completely removed, allowing the top cover to be fitted and removed after cabling.

- **Protection rating**

    - IP 20.

- **Tests**

    - Earthing compliant with VDE 0100 T 540.

    - Earthing compliant with DIN EN 62368.

    - IP test EN 60529.

- **Material / Finish**

    - Basic rack: extruded aluminum.

    - Corner piece: die-cast aluminum, polished.

    - Covers: galvanized steel sheet, powder-coated texture.

- **Colour**

    - x = .1, visible surfaces and covers, RAL 7035 light grey.

    - x = .8, visible surfaces and covers, RAL 7021 dark grey.

- **Included in delivery**

    - 1 x Basic Rack extension kit.

    - 2 x side panels with quick connectors.

    - 1 x top cover with cable entry rear (three-piece sliding plates, can also be fully opened).

    - 2 x levelling feet.

- **Delivered**

    - Assembled

Width mm	Height mm	Depth mm	U	Order No.	UP
600	2000	300	42	01.157.150.x-001	1 unit
600	2200	300	47	01.157.150.x-002	1 unit
800	2000	300	42	01.157.150.x-004	1 unit
800	2200	300	47	01.157.150.x-005	1 unit

Extension Kit Depth 300mm

DCM20085

DCM20086

DCM20087

DCM20088

Vertiv™ Knürr DCM™ Colocation Rack

Width 800 mm

- Perforated front doors with one-point lock.

- Perforated rear doors with one-point lock.

- Special 19" server extrusions for mounting all off-the-shelf 19" servers.

- Components compliant with IEC 297-3.

- Standard cable entry with fixed cable duct on the right.

- Optional cable entry left and right via cover and shelf by reconfiguration of the cable ducts.

- Secure partitioning of the individual bays using securely mounted partition shelves.

- With lateral air containment at the front left and right, each with 1 U opening for mounting different components.

- Doors with handle and mounting for cylinder lock.

- Adjustment of the 19" extrusions in 50 mm increments.

- **Jumpering space**
  - Front 80 mm.

- **Load rating**
  - 25 kg per rack unit (stationary).
  - e.g.: 15 U x 25 kg = 375 kg load for one bay.

- **Protection rating**
  - IP 20.

- **Tests**
  - Earthing complaint with VDE 0100 T540
  - Earthing complaint with DIN EN 62368
  - IP testing according IEC 60529

- **Airflow circulation**
  - Perforation: 83 %.

- **Material / Finish**
  - Basic rack, extruded aluminum, polished.
  - Corner piece, die-cast aluminum, polished.
  - Doors, steel sheet, powder-coated texture.
  - Partitioning walls, zinc-passivated steel sheet.
  - 19" extrusions, 2.0 mm zinc-passivated steel sheet.
  - Shelf supports, zinc-passivated.

- **Colour**
  - Visible cover surface Final digit of Order No. .1: RAL 7035 light-grey. Final digit of Order No. .8: RAL 7021 dark-grey.

- **Scope of delivery**
  - 1 x basic rack.
  - 4 x 19" server extrusions with regular perforations, steel sheet with rack unit marking for each bay.
  - 1 x top cover, including cable-inlet covers on the left and right sides.
  - 1 x shelf, including cable-inlet cover on the right; open on the left for cable duct = cable entry.
  - 2 x partitioning shelves for 3-way colocation.
  - 1 x partitioning shelf for 2-way colocation.
  - 3 x perforated front and rear doors for 3-way colocation.
  - 2 x perforated front and rear doors for 2-way colocation.
  - Air containment at the front with covered 1 U cut-out.

- **How supplied**
  - Mounted.

W	H	D	U	d	kg	Model	Order No.	UP
800	2000	1100	13	740	136	3-way colocation without side panels	**01.143.000.X-001**	1 unit
800	2000	1200	13	740	142	3-way colocation without side panels	**01.143.000.X-002**	1 unit
800	2200	1100	15	740	145	3-way colocation without side panels	**01.143.000.X-003**	1 unit
800	2200	1200	15	740	150	3-way colocation without side panels	**01.143.000.X-004**	1 unit
800	2000	1100	20	740	95	2-way colocation without side panels	**01.143.001.X-001**	1 unit
800	2000	1200	20	740	122	2-way colocation without side panels	**01.143.001.X-002**	1 unit
800	2200	1100	23	740	125	2-way colocation without side panels	**01.143.001.X-003**	1 unit
800	2200	1200	23	740	123	2-way colocation without side panels	**01.143.001.X-004**	1 unit
800	2000	1100	13	740	175	3-way colocation with side panels	**01.143.002.X-001**	1 unit
800	2000	1200	13	740	184	3-way colocation with side panels	**01.143.002.X-002**	1 unit
800	2200	1100	15	740	178	3-way colocation with side panels	**01.143.002.X-003**	1 unit
800	2200	1200	15	740	194	3-way colocation with side panels	**01.143.002.X-004**	1 unit
800	2000	1100	20	740	155	2-way colocation with side panels	**01.143.003.X-001**	1 unit
800	2000	1200	20	740	164	2-way colocation with side panels	**01.143.003.X-002**	1 unit
800	2200	1100	23	740	165	2-way colocation with side panels	**01.143.003.X-003**	1 unit
800	2200	1200	23	740	170	2-way colocation with side panels	**01.143.003.X-004**	1 unit
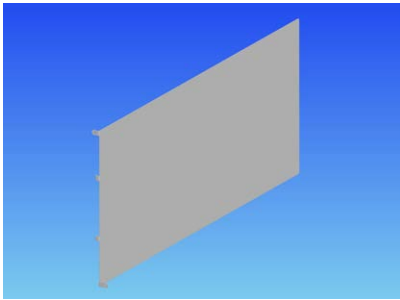
DCM20110
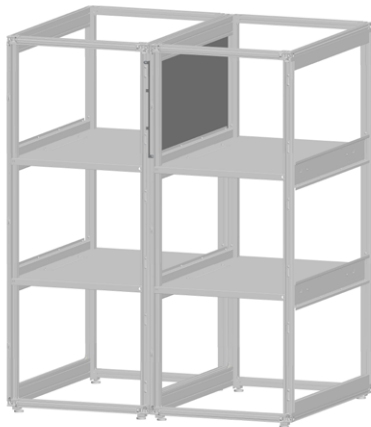
DCM20109

Partitioning Wall for Retrofitting

- To secure the partitions between the individual bays against unauthorized access

- Each bay can be closed off separately after initial installation.

- The partitioning wall is inserted above and below on mounting strips provided for this purpose.

- The partitioning wall is screwed into place at the front and covered by the door.

- **Colour**

  - Order no.1: Powder-coated RAL 7035, light-grey texture.

  - Order no.8: Powder-coated RAL 7021, dark-grey texture.

- **Finish / Colour**

  - Zinc-passivated steel sheet.

- **Scope of delivery**

  - 1 x partitioning wall for retrofitting.

  - 1 x Mounting kit.

- **How supplied**

  - In sets.

- **Note**

  Partitioning wall can be installed from every position (top, middle, bottom, left and right).

H	D	Model	Order No.	UP
2000	1100	For 3-way colocation	**01.143.100.X-001**	1 unit
2000	1200	For 3-way colocation	**01.143.100.X-002**	1 unit
2200	1100	For 3-way colocation	**01.143.100.X-003**	1 unit
2200	1200	For 3-way colocation	**01.143.100.X-004**	1 unit
2000	1100	For 2-way colocation	**01.143.100.X-005**	1 unit
2000	1200	For 2-way colocation	**01.143.100.X-006**	1 unit
2200	1100	For 2-way colocation	**01.143.100.X-007**	1 unit
2200	1200	For 2-way colocation	**01.143.100.X-008**	1 unit

Dimensions in mm:

			Conversion:	
W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch
H = Height	d = Insertion depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds
D = Depth	L = Length	UP = Packaging unit		

DCM20099

DCM20100

Cable Duct for Retrofitting

- Secure cabling for data and power-supply lines.

- Subsequent installation in 2- or 3-way colocation.

- Cable duct can be rebuilt at any time.

- **Material**
  - Steel sheet 1.0 mm.

- **Finish / Colour**
  - Zinc-passivated steel sheet.

- **Scope of delivery**
  - 1 x cable duct for retrofitting.
  - 1 x Covers.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.
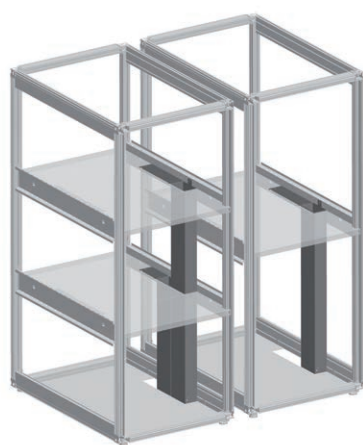
H	Model	Order No.	UP
2000	Short, for 3-way colocation	**01.143.101.0-001**	1 unit
2000	Long, for 3-way colocation	**01.143.101.0-002**	1 unit
2200	Short, for 3-way colocation	**01.143.101.0-003**	1 unit
2200	Long, for 3-way colocation	**01.143.101.0-004**	1 unit
2000	For 2-way colocation	**01.143.101.0-005**	1 unit
2200	For 2-way colocation	**01.143.101.0-006**	1 unit
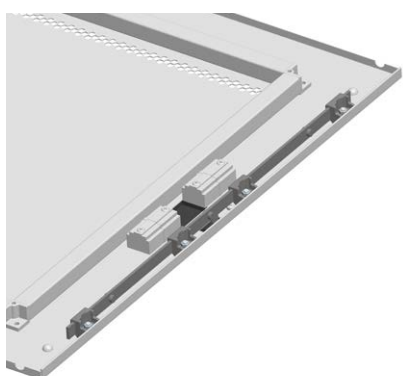
DCM20111

3-point Locking Upgrade Kit

- Upgrade kit for conversion to 3-point locking.

- Additional security.

- Can be upgraded at any time.

- Suitable for heights of 2000 and 2200 mm.

- Scope of delivery
  - 1 x Rod for locking unit.
  - 1 x Rod guide.

- How supplied
  - In sets.

H	Model	Order No.	UP
2000, 2200	for 3-way colocation	**01.143.102.7-001**	1 unit
2000, 2200	for 2-way colocation	**01.143.102.7-002**	1 unit

ACCESSORIES

Doors

- **Material**
  - Steel sheet: 1.0 mm.
- **Colour**
  - digit X of order number .1: RAL 7035 light-grey.
  - digit X of order number .8: RAL 7021 dark-grey.

- **Included in delivery**
  - 1 x door, single, double leaf or rear panel.
  - Mounting kit.
- **Delivered**
  - Pre-assembled.

- **Note**
  - Perforated doors (83 % free surface) allow for optimum airflow throughout the rack.

Image	Description	Version	Dimensions		Dimensions	
			H 2000 mm		H 2200 mm	
			W 600 mm	W 800 mm	W 600 mm	W 800 mm
DCM20097	Steel sheet door with perforation, single leaf	160° opening angle, interal hinges	01.147.803.X	01.147.805.X	01.147.806.X	01.147.808.X
		180° opening angle, external hinges	01.157.092.X-007	01.157.092.X-009	01.157.092.X-010	01.157.092.X-012
DCM20096	Steel sheet door with perforation, double leaf	160° opening angle, interal hinges	01.147.921.X	01.147.929.X	01.147.922.X	01.147.930.X
		180° opening angle, external hinges	01.157.093.X-007	01.157.093.X-009	01.157.093.X-010	01.157.093.X-012
DCM20127	Steel sheet door without perforation, single leaf	160° opening angle, interal hinges	01.147.534.X	01.147.536.X	01.147.537.X	01.147.539.X
		180° opening angle, external hinges	01.157.094.X-007	01.157.094.X-009	01.157.094.X-010	01.157.094.X-012
DCM20129	Steel sheet door without perforation, double leaf	160° opening angle, interal hinges	01.147.570.X-002	01.147.570.X-010	01.147.570.X-003	01.147.570.X-011
		180° opening angle, external hinges	01.157.095.X-007	01.157.095.X-009	01.157.095.X-010	01.157.095.X-012
DCM20128	Glass door, single leaf	160° opening angle, interal hinges	01.147.540.X	01.147.542.X	01.147.543.X	01.147.545.X
		180° opening angle, external hinges	01.157.090.X-007	01.157.090.X-009	01.157.090.X-010	01.157.090.X-012
DCM20130	Glass door, double leaf	160° opening angle, interal hinges	01.147.571.X-002	01.147.571.X-010	01.147.571.X-003	01.147.571.X-011
		180° opening angle, external hinges	01.157.091.X-007	01.157.091.X-009	01.157.091.X-010	01.157.091.X-012
MIR20315	Rear panel		01.157.080.X-003	01.157.080.X-004	01.157.080.X-005	01.157.080.X-006

Top Cover

- With cable entry (sliding plates).
- For orderly cable management in the rack.

- **Material**
  - Steel, 1.5 mm.

- **Finish / Colour**
  - digit X of order number .1: RAL 7035 light-grey, powder-coated texture.
  - digit X of order number .8: RAL 7021 dark-grey, powder-coated texture.

- **Included in delivery**
  - 1 top panel with cable entry.
  - Mounting kit.
- **Delivered**
  - In sets.
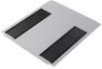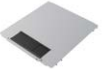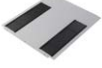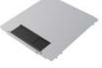
Image	Description	Dimensions				
		W 600 mm				
		D 600 mm	D 800 mm*	D 1000 mm	D 1100 mm	D 1200 mm
ITC20001	Top cover with lateral cable inlet		01.147.570.X	01.147.572.X	01.147.573.X	01.147.574.X
ITC20002	Top cover with rear cable entry	01.157.050.X-007	01.157.050.X-008	01.157.050.X-001	01.157.050.X-002	01.157.050.X-003
ITC20003	Top cover with cut out for fan units and cable inlet rear. Cut out closed with screwed blanking panel.*	*Note: For D800 only 3-fan unit possible!	01.157.052.X-001*	01.157.052.X-003	01.157.052.X-007	01.157.052.X-008
ITC20004	Top cover with cable inlet rear and 25 mm raised	01.157.051.X-001	01.157.051.X-002	01.157.051.X-004	01.157.051.X-011	01.157.051.X-012
ITC20005	Top cover, short d 250mm	01.147.268.X				
	Top cover extension Kit d 300mm	01.157.049.X-001				

Image	Description	Dimensions				
		W 800 mm				
		D 600 mm	D 800 mm*	D 1000 mm	D 1100 mm	D 1200 mm
ITC20001	Top cover with lateral cable inlet		01.147.575.X	01.147.577.X	01.147.578.X	01.147.579.X
ITC20002	Top cover with rear cable entry	01.157.050.X-011	01.157.050.X-012	01.157.050.X-004	01.157.050.X-005	01.157.050.X-006
ITC20003	Top cover with cut out for fan units and cable inlet rear. Cut out closed with screwed blanking panel.*	*Note: For D800 only 3-fan unit possible!	01.157.052.X-004*	01.157.052.X-006	01.157.052.X-009	01.157.052.X-010
ITC20004	Top cover with cable inlet rear and 25 mm raised	01.157.051.X-005	01.157.051.X-006	01.157.051.X-008	01.157.051.X-009	01.157.051.X-010
ITC20005	Top cover, short d 250mm	01.147.269.X				
	Top cover extension Kit d 300mm	01.157.049.X-003				

Bottom Plates

- For covering the rack underneath.
- With foam rubber seals and brush strips; cable entry at the front and rear.
- For racks with and without castor mounting.

- **Material / Finish**
  - Steel sheet, 1.5 mm, galvanized.
  - For foam rubber seals (foam rubber, 50x30 mm).

- **Included in delivery**
  - Bottom plates.
  - 2 x mounting brackets.
  - Mounting kit.
- **Delivered**
  - In sets.
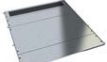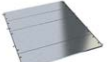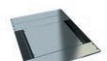
Image	Description	Dimensions			
		W 600 mm			
		D 800 mm	D 1000 mm	D 1100 mm	D 1200 mm
ITC20006	Bottom plate closed, used with castor bracket	01.157.042.0-001	01.147.834.0	01.147.835.0	01.147.840.0
ITC20007	Bottom plate for cable entry with foam rubber seal	01.157.041.0-001	01.147.846.0	01.147.847.0	01.147.852.0
ITC20008	Bottom plate, modular	01.157.040.0-001	01.157.040.0-003	01.157.040.0-004	01.157.040.0-005
ITC20009	Bottom plate for cable entry with brush strip	01.157.045.0-001	01.157.045.0-003	01.157.045.0-004	01.157.045.0-005
ITC20010	Perforated bottom plate d 155mm	01.157.025.0-001			
	Bottom cover extension Kit with cable entry d 300mm	01.157.026.0-001			

Image	Description	Dimensions			
		W 800 mm			
		D 800 mm	D 1000 mm	D 1100 mm	D 1200 mm
ITC20006	Bottom plate closed, used with castor bracket	01.157.042.0-003	01.147.838.0	01.147.839.0	01.147.844.0
ITC20007	Bottom plate for cable entry with foam rubber seal	01.157.041.0-003	01.147.850.0 [P]	01.147.851.0	01.147.856.0 [P]
ITC20008	Bottom plate, modular	01.1570.040.0-006	01.157.040.0-008	01.157.040.0-009	01.157.040.0-010
ITC20009	Bottom plate for cable entry with brush strip	01.157.045.0-006	01.157.045.0-008	01.157.045.0-009	01.157.045.0-010
ITC20011	Bottom plate for cable entry with brush strip	01.157.043.X.001	01.157.043.X.003	01.157.043.X.004	01.157.043.X.005
ITC20010	Perforated bottom plate d 155mm	01.157.025.0-003			
	Bottom cover extension Kit with cable entry d 300mm	01.157.026.0-003			

Plith

- Stationary, including levelling options.
- Cable entry accessible from all sides.
- Removable cover plates.
- Installation option for filter mat.
- **Load rating**
  - 10,000 N static.
- **Material**
  - Steel sheet.
- **Colour**
  - Digit X of order number .1: RAL 7035 light-grey.

- Digit X of order number .8: RAL 7021 dark-grey.
- **Included in delivery**
  - 4 x plinth corners, including levelling feet.
  - 8 x cover plates without vents (for a height of 200 mm), 4 x cover plates without vents (for a height of 100 mm).
  - 8 x cover plates (for a height of 200 mm), 4 without and

4 with vents, 4 cover plates (for a height of 100 mm, 2 without vents and 2 x with vents).
- Mounting kit.
- **Delivered**
  - In sets.

Image	Description	Dimensions				
		W 600 mm				
		D 600 mm	D 800 mm	D 1000 mm	D 1100 mm	D 1200 mm
ITC20012	Stationary plinth, 100 mm high, without vents	01.157.055.X-001	01.157.055.X-002	01.147.738.X	01.147.739.X	01.147.740.X
ITC20013	Stationary plinth, 100 mm high, with vents	01.157.060.X-001	01.157.060.X-002	01.157.060.X-004	01.157.060.X-005	01.157.060.X-006
ITC20014	Stationary plinth, 200 mm high, without vents	01.157.056.X-001	01.157.056.X-002	01.147.788.X	01.147.789.X	01.147.790.X
ITC20015	Stationary plinth, 200 mm high, with vents	01.157.065.X-001	01.157.065.X-002	01.157.065.X-004	01.157.065.X-005	01.157.065.X-006
	Stationary plinth for Extension Kit 100mm high D300 without vents	01.157.067.X-001				
	Stationary plinth for Extension Kit 200mm high D300 without vents	01.157.068.X-001				

Image	Description	Dimensions				
		W 800 mm				
		D 600 mm	D 800 mm	D 1000 mm	D 1100 mm	D 1200 mm
ITC20012	Stationary plinth, 100 mm high, without vents	01.157.055.X-007	01.157.055.X-008	01.147.746.X	01.147.747X	01.147.748.X
ITC20013	Stationary plinth, 100 mm high, with vents	01.157.060.X-007	01.157.060.X-008	01.157.060.X-010	01.157.060.X-011	01.157.060.X-012
ITC20014	Stationary plinth, 200 mm high, without vents	01.157.056.X-007	01.157.056.X-008	01.147.796.X	01.147.797X	01.147.798.X
ITC20015	Stationary plinth, 200 mm high, with vents	01.157.065.X-007	01.157.065.X-008	01.157.065.X-010	01.157.065.X-011	01.157.065.X-012
	Stationary plinth for Extension Kit 100mm high D300 without vents	01.157.067.X-002				
	Stationary plinth for Extension Kit 200mm high D300 without vents	01.157.068.X-002				

P = **assemble to order** (shipped within 5 working days). Caution: In case of larger orders, delivery times may increase.

Side Panel

- Side panel module for Miracel™ 2 and Knurr DCM™ Rack

- **Material**
  - Steel sheet: 1.0 mm.

ITC20016

- **Finish / Colour**
  - digit X of order number .1: RAL 7035 light-grey.
  - digit X of order number .8: RAL 7021 dark-grey.

- **Included in delivery**
  - 1 x side panel.
  - Mounting kit.
- **Delivered**
  - In sets.

H	D	Version	Order No.	Units
2000	300	Side panel Extension Kit	**01.147.871.X-014**	1 unit
2200	300	Side panel Extension Kit	**01.147.871.X-015**	1 unit
2000	600	Side panel	**01.147.871.X-004**	1 unit
2000	800	Side panel	**01.147.871.X-005**	1 unit
2000	1000	Side panel	**01.147.876.X**	1 unit
2000	1100	Side panel	**01.147.877.X**	1 unit
2000	1200	Side panel	**01.147.878.X**	1 unit
2200	600	Side panel	**01.147.871.X-007**	1 unit
2200	800	Side panel	**01.147.871.X-008**	1 unit
2200	1000	Side panel	**01.147.880.X**	1 unit
2200	1100	Side panel	**01.147.881.X**	1 unit
2200	1200	Side panel	**01.147.882.X**	1 unit

Partition Wall

Partition wall for retro-fitting

- For air containment between two fixed adjacent racks.
- The partition wall is fitted between two racks and can be inserted from one side of the linking racks.
- Guided along the upper rear extrusion of one of the linked racks.
- After the partition wall has been inserted, fasteners are bent or welded on one side of the wall and screwed into the vertical T-slot to secure the structure. The rack connectors supplied upon delivery are used on the opposite side.

Mounted partition wall fixed

- For air containment between two fixed adjacent racks.
- The partition wall is only mounted on one rack and must be mounted before the other racks are installed.
- The partition wall is slotted in at the top of the rear extrusion and attached to the basic rack with quick connectors.
- The rack connectors are then fitted to the top and bottom of the frame extrusions from the inside.
- Plastic cover extrusions are provided to seal the gap between the two racks. These can be clipped into place at the front and back of the gap.

- **Material**
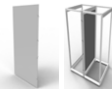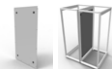 - Steel sheet: 1.0 mm.
- **Finish / Colour**
  - Digit X of order number .1: RAL 7035 light-grey, powder-coated texture.
  - Digit X of order number .8: RAL 7021 dark-grey, powder-coated texture.
- **Included in delivery**
  - 1 x partition wall.
  - 1 x set of rack connectors.
  - 2 x cover extrusions , earthing set (for fixed partition wall only).
  - Mounting kit.
- **Delivered**
  - In sets.

Image	Description	Dimensions			Dimensions		
		H 2000 mm			H 2200 mm		
		D 1000 mm	D 1100 mm	D 1200 mm	D 1000 mm	D 1100 mm	D 1200 mm
DCM20105 DCM20106	Partition wall for retro-fitting	01.147.644.X	01.147.645.X	01.147.646.X	01.147.647.X	01.147.648.X	01.147.649.X
DCM20103 DCM20104	Mounted, fixed partition wall	01.147.690.X	01.147.691.X	01.147.692.X	01.147.693.X	01.147.694.X	01.147.695.X

Air Containment

- The cold/warm area partition can be quickly and easily retrofitted into the rack.

- Side cover plates with 2 cut-outs each for cables (for 800 mm wide racks).

- 3 x 1 HE cut-outs, covered with cover plates (only in versions with vents).

- Bolted to the sides of the 19" extrusions (in 800 mm wide racks).

- Sealed off from the side panels or from the same level of adjoining racks.

- Foam components allow for infinite adjustability in terms of depth.

- **Material**
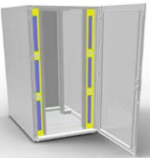 - Steel sheet.

- **Colour**
  - Digit X of order number .1: RAL 7035 light-grey.
  - Digit X of order number .8: RAL 7021 dark-grey.

- **Included in delivery**
  - 2 x side cover plates (for 800 mm wide racks).
  - 1 x cover plate, bottom.
  - 1 x foam block for the top.
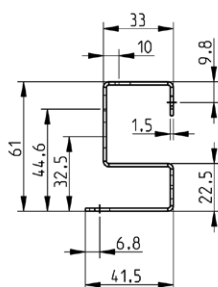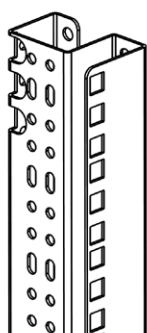 - Mounting kit.

- **Delivered**
  - In sets.

Image	Description	Version	Dimensions H 2000 mm		Dimensions H 2200 mm	
			W 600 mm	W 800 mm	W 600 mm	W 800 mm
LUF20350	Air containment without vents	for Racks with castor brackets	01.147.898.X	01.147.889.X	01.147.899.X	01.147.890.X
		for Racks without castor brackets	01.147.901.X	01.147.895.X	01.147.902.X	01.147.896.X
LUF20351	Air containment with 3 x 1 HE cover plates, vertical	for Racks with castor brackets		01.147.904.X		01.147.905.X
		for Racks without castor brackets		01.147.907.X		01.147.908.X

Dimensions in mm:

W	= Width	h	= Installation height	U	= Standard rack unit	kg = Weight
H	= Height	d	= Insertion depth		(1 U = 44.45 mm)	
D	= Depth	L	= Length	UP	= Packaging unit	

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

19" Vertical Extrusion with Mounting Holes and U Measure Tape

ITC20017

- For mounting 19" rack components.
- For mounting cable management systems and components.
- For mounting slot-in runners, intermediate fixed and pull-out shelves. (no adapter neccesary)
- For mounting drawers.

• **Material / Finish**

  • Steel sheet: 1.5 mm, galvanized.
  • Measure Tape printed.

• **Included in delivery**

  • Front (2 x 19" vertical extrusions with cross beam and 2 x 19" mountings – for 600 mm wide racks without cross beam and 19" mountings).
  • Rear (2 x 19" vertical extrusions with 4 x 19" mountings – for 600 mm wide racks without 19" mountings).
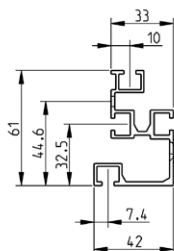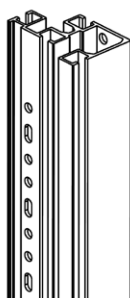
• **Delivered**

  • In sets.

W	H	U	Description	Order No.	Units
600	2000	42	19" Vertical extrusion, front	01.157.110.7.003	1 pair
600	2000	42	19" Vertical extrusion, rear	01.157.110.7.003	1 pair
600	2200	47	19" Vertical extrusion, front	01.157.110.7.004	1 pair
600	2200	47	19" Vertical extrusion, rear	01.157.110.7.004	1 pair
800	2000	42	19" Vertical extrusion, front	01.157.113.7.003	1 pair
800	2000	42	19" Vertical extrusion, rear	01.157.114.7.003	1 pair
800	2200	47	19" Vertical extrusion, front	01.157.113.7.004	1 pair
800	2200	47	19" Vertical extrusion, rear	01.157.114.7.004	1 pair

19" vertical extrusion
aluminum with T-slot and increment slide

ITC20018

- For front and rear installation with in the rack.
- Spring nut, variable and adjustable, in U increments (19").

• **Material**

  • Extruded aluminum, polished.

• **Scope of delivery**

  • 1 pair 19" LAN T-Slot, with cross beam (depends on order number), with mounting kit.

• **Note**
  Maximal loading per pair 400 kg.

| W	H	U	Description	Order No.	Units
800	2000	42	19"-LAN T-Slot, with cross beam, for front side	01.157.105.0.003	1 pair
800	2200	47	19"-LAN T-Slot, with cross beam, for front side	01.157.105.0.004	1 pair
800	2000	42	19"-LAN T-Slot, without cross beam, for back side	01.157.106.0.003	1 pair
800	2200	47	19"-LAN T-Slot, without cross beam, for back side	01.157.106.0.004	1 pair
600	2000	42	19"-LAN T-Slot, without cross beam, for front and back side	01.157.102.0.003	1 pair
600	2200	47	19"-LAN T-Slot, without cross beam, for front and back side	01.157.102.0.004	1 pair

U tape measure

- For sticking on 19" extrusions.

- Enables fast component positioning at the correct U position.

- Standard length, 48 U; shorten as required.

- Scope of delivery

  - 1 x tape measure.

LUF20337

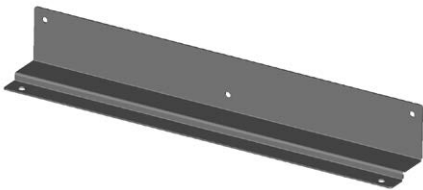| U	Order No.	UP
48	**01.128.400.9**	1 unit
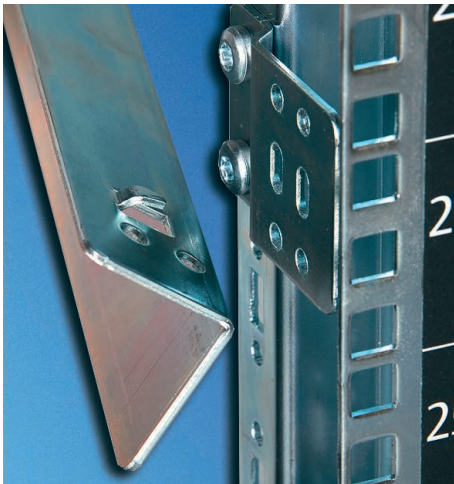
Mounting Adapter for 19" Server Extrusion

- For mounting standard Vertiv™ Knürr™ components (shelves, drawers, slot-in runners, keypad drawers, etc.) inside 19" racks.

- **Material**

  - Steel sheet: 2 mm, galvanized.

- **Included in delivery**

  - 4 x adapters.

ITC20019

W	H	U	Order No.	Units
63	44	1	**01.147.640.9**	1 set **P**

Mounting-Kit, wall

- **Material**

  - Sheet steel 3 mm.

- **Finish**

  - Powder coated, textured.

- **Colour**

  - Digit X = .1. RAL 7035 light-grey.

  - Digit X = .8. RAL 7021 dark-grey.

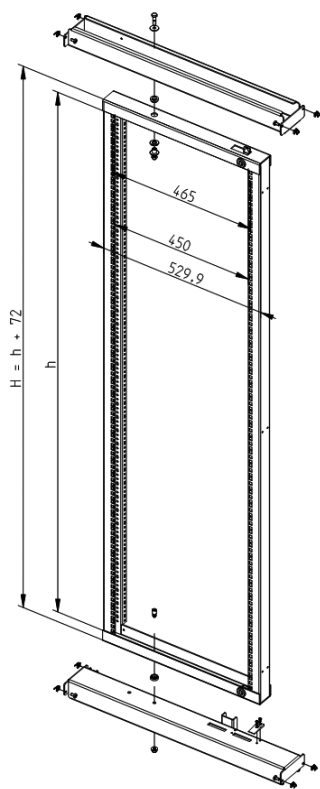- **Supply schedule**

  - 1 unit, with 2 top cover screws.

ITC20021

W	Order No.	Units
800	**01.157.140.X.001**	1 unit

Dimensions in mm:

						Conversion:	
W	= Width	h	= Installation height	U	= Standard rack unit	kg	= Weight	1 mm	= 0.03937 inch
H	= Height	d	= Insertion depth		(1 U = 44.45 mm)			1 kg	= 2.2046 pounds
D	= Depth	L	= Length			UP	= Packaging unit		

P = **assemble to order** (shipped within 5 working days). Caution: In case of larger orders, delivery times may increase.

ITC20020

19"-Swing frame

for open angle 135° or 145°

- Caution: The cabinet must be screwed to the floor and wall when using the swing frame!
- **19"-Swing frame**
  - For installation of 19"-components to IEC 297-3.
  - Permits easy access to second mounting level and to components installed in the swing frame.
  - Mountable into Racks with 800 mm widths only.
- **Load rating**
  - 200 kg at mounting position A.
  - 300 kg at mounting position B.
- **Material**
 - Sheet steel 2 mm.

- **Finish**
  - Powder coated, textured.
- **Colour**
  - Digit X = .1. RAL 7035 light-grey.
  - Digit X = .8. RAL 7021 dark grey.
- **Supply schedule**
  - 1 x 19"–Swing frame.
  - 1 x Mounting frames top and bottom.
  - 1 x Square Key.
  - 1 x Mounting hardware.
- **Delivered**
  - Assembled.
- **Note**

Installation of a swing-frame reduces the nominal installation height of the rack at 4U.

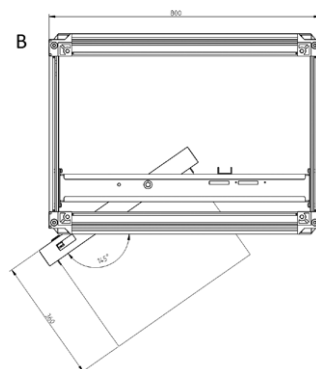| W	H	U	h	Order No.	Units
800	2000	39	1732	**01.157.130.X.003**	1 unit
800	2200	44	1954	**01.157.130.X.004**	1 unit

19"-Swing frame

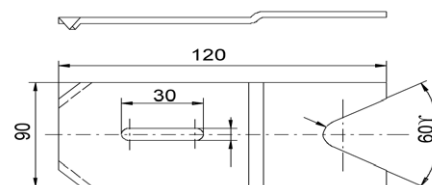for open angle 135° or 145°
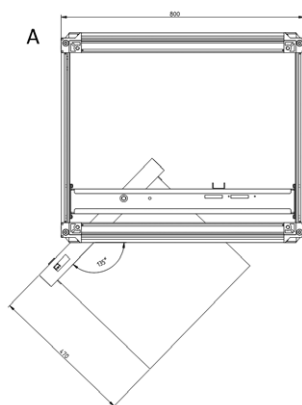
ITC20022

ITC20023

- **Mounting position A**
  - Load rating max. 200 kg.
  - Opening angle 135°.
  - Useful depth in swing frame 470 mm.
  - For Racks with 800 mm width only.

- **Mounting position B**
  - Load rating max. 300 kg.
  - Opening angle 145°.
  - Useful depth in swing frame 360 mm.
  - For Racks with 800 mm width only.
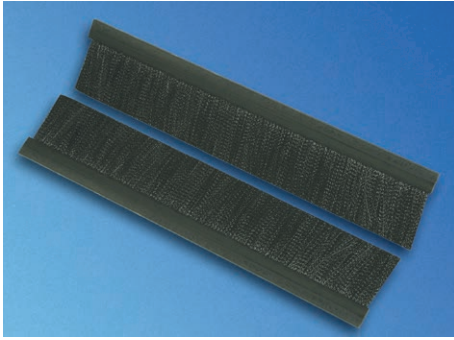
Mounting-Kit, floor mounting

MIR00319

- **Material**
  - Sheet steel, 3,0 mm.
- **Finish**
  - Zinc passivized.
- **Supply schedule**
  - 4 piece.

Order No.	Units
01.130.934.7	1 unit

MIR20093

Brush strip

- Brush strip for all covers with cable entry.

- For dust-protected and flexible cable entry.

- Can be used instead of mounting the sliding covers in the top cover.

- **Scope of delivery**

  - 2 x brush strips.

- **How supplied**

  - In sets.

B	Version	Order No.	UP
for Rack width 600/800 mm	lenght 436 mm	01.130.998.9	2 units

Brush strips for covers   *MIR20093*

Brush Strips for Covers with Cable Entry on the Side

- Brush strip for all covers with cable entry.

- For dust-protected and flexible cable entry.

- Can be used instead of mounting the sliding covers in the top cover.

- **Included in delivery**

  - 4 x brush strips.

- **Delivered**

  - In sets.

H	Version	Order No.	Units
800	Brush strip lateral	01.157.016.9-001	1 unit
1000	Brush strip lateral	01.157.016.9-003	1 unit
1100	Brush strip lateral	01.157.016.9-004	1 unit
1200	Brush strip lateral	01.157.016.9-005	1 unit

Cross beam   *ITC20024*

Castor Bracket

- Mobile version: an additional 2 castor mountings with castors including integrated cable entry.

- Set is loadable up to 4000N.

- **Material / Finish**

 - Steel sheet: powder-coated texture.

- **Colour**

  - RAL 7021 dark-grey.

- **Included in delivery**

  - 1 set of castor brackets.

  - Mounting kit.

- **Delivery**

  - In sets.

W	Version	Order No.	Units
600	MIR 2.0 castor bracket	01.157.073.8 001	1 set
800	MIR 2.0 castor bracket	01.157.073.8 003	1 set

P = **assemble to order** (shipped within 5 working days). Caution: In case of larger orders, delivery times may increase.

MIR00100
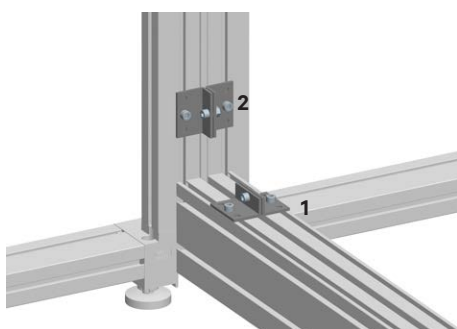
DCM20084

Internal Mounting Rack Connector

- For mechanical, stable joining of rack and enclosure suites.

- **Material / Finish**

  - Steel sheet: 2 mm, galvanised.

- **Installation positions**

  - 1. On the horizontal extrusions (top & bottom and front & back).

  - 2. Vertically on the vertical extrusion (front & back and top & bottom).

- **Included in delivery**

  - 8 x mounting brackets (for connecting 2 racks / frames).

  - Mounting kit.

- **Delivery**

  - In sets.

Order No.	Units
01.130.935.7	1 set

MIR00161

Filter mat for plinth cover plate

for installation in plinth cover plate at the front and rear

- **Scope of delivery**

  - 2 x filter mats.

- **How supplied**

  - In sets.

W	Version	Order No.	UP
600	MIR2/DCM	**01.130.530.9**	2 units
700	MIR2/DCM	**01.130.531.9**	2 units
800	MIR2/DCM	**01.130.532.9**	2 units

MIR00318

Assembly kit

Side panel threaded connection

- Used to screw on the side walls instead of quick connectors.

- Renders rack more sturdy.

- **Material**

  - Countersunk washers and mounting nuts, stainless steel.
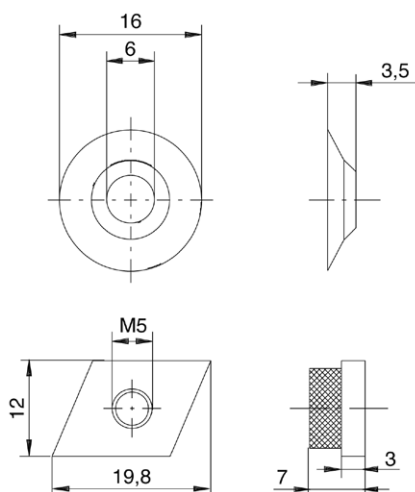
- **Scope of delivery** (for 2 side panels)

  - 16 x countersunk washers.

  - 16 x mounting nuts, M5.

  - 16 x countersunk screws, M5 x 12.

- **How supplied**

  - In sets.

Order No.	UP
01.130.937.9	1 set

Dimensions in mm:

W	= Width	h	= Installation height	U	= Standard rack unit
H	= Height	d	= Insertion depth		(1 U = 44.45 mm)
D	= Depth	L	= Length	UP	= Packaging unit

Conversion:

1 mm	= 0.03937 inch
1 kg	= 2.2046 pounds

kg = Weight
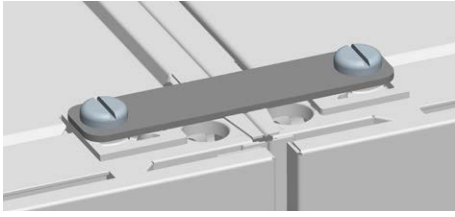
DCM20082

DCM20083

Vertiv™ Knürr™ Connector Installed on Top

- For mechanical, stable joining of rack and enclosure suites.

- Can be installed on racks from the top directly into the die-cast corner piece.

- Easy access for installation from the outside.

- **Material / Finish**
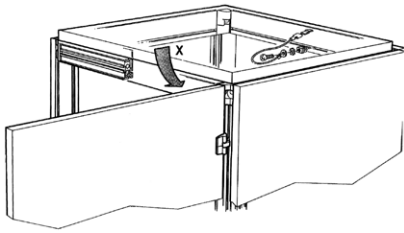
  - Steel sheet: 3 mm, galvanized.

- **Included in delivery**

  - 2 x rack connectors (for connecting 2 racks / frames).

  - 4 x knurled screws, M12.

- **Delivery**

  - In sets.

Version	Order No.	Units
30 x 140	**01.147.642.7**	1 set

MIR00216

MIR00217

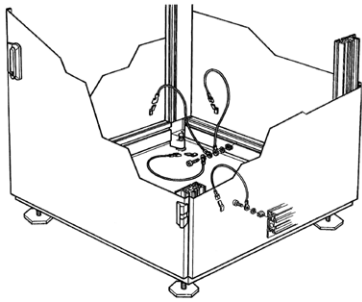## Earthing set / doors / top cover / side panel / rear panel

- For safe earthing of doors and panels.

- **Scope of delivery**

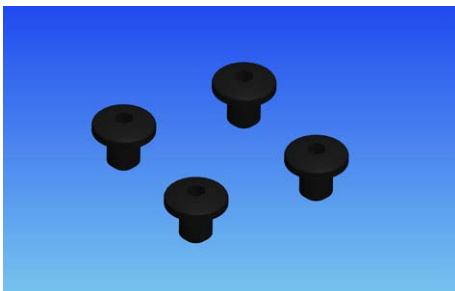 - 1 x earthing connection.

  - 1 x Mounting kit.

- **How supplied**

  - In sets.

Model	Order No.	UP
for side panel/backside panel	**01.157.015.9-001**	1 set
for top cover	**01.157.015.9-002**	1 set
for single doors	**01.157.015.9-003**	1 set
for split doors	**01.157.015.9-004**	1 set

MIR20447

Cover screws

- **Material**

  - Plastic.

- **How supplied**

  - Sets of 4 units.

Order No.	UP
01.131.751.9	4 units

Dimensions in mm:

W	= Width	h	= Installation height	U	= Standard rack unit	kg	= Weight
H	= Height	d	= Insertion depth		(1 U = 44.45 mm)		
D	= Depth	L	= Length		UP = Packaging unit		

Conversion:

1 mm	= 0.03937 inch
1 kg	= 2.2046 pounds
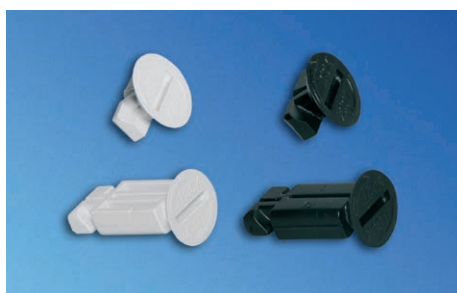
MIR20331

Quick connectors

For side and rear panels
- Covers can be secured quickly
  by rotating the locks 90°.

- Easy to turn with wide
  flat-head screwdriver.

- **Material / Colour**

  - Final digit of order number 1:
    Polyamide PA66, RAL 7035,
    light-grey.

- Final digit of order number 9:
  Polyamide PA66, RAL 9011,
  dark-grey.

- **How supplied**

  - Sets of 50 units.

Model	Order No.	UP
for side panel RAL 7035	**01.133.900.1**	1 set
for side panel RAL 9011	**01.133.900.9**	1 set
for rear panel RAL 7035	**01.133.910.1**	1 set
for rear panel RAL 9011	**01.133.910.9**	1 set

MIR20464

Spacer bolt

- M12 bolts.

- **Scope of delivery**

  - Set of 4 units spacer bolt.

Order No.	UP
01.131.752.7	4 units

65

MIR00320
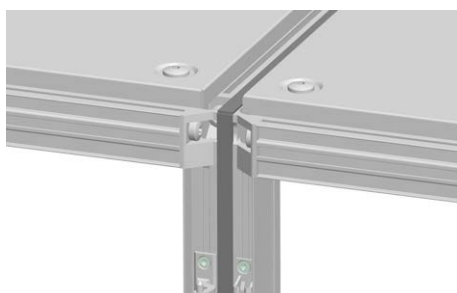

MIR20443
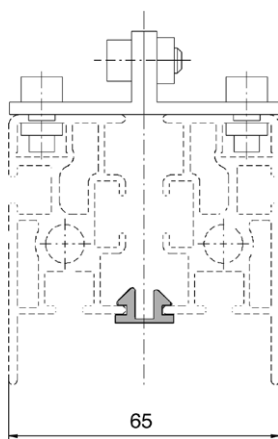
Cover extrusion for rack suites, IP 20

- **Material**
  - PVC extruder cover, black.

- **Scope of delivery**
  - 2 x vertical lengths.
  - 2 x depth lengths.

H	D	U	Order No.	UP
1200	600	23	**01.131.270.9**	1 set
1800	600	37	**01.131.273.9**	1 set
2000	600	41	**01.131.274.9**	1 set
2200	600	46	**01.131.275.9**	1 set
1200	800	23	**01.131.276.9**	1 set
1800	800	37	**01.131.279.9**	1 set
2000	800	41	**01.131.280.9**	1 set
2200	800	46	**01.131.281.9**	1 set
1200	900	23	**01.131.282.9**	1 set
1800	900	37	**01.131.285.9**	1 set
2000	900	41	**01.131.286.9**	1 set
2200	900	46	**01.131.287.9**	1 set
2000	1000	41	**01.127.760.9**	1 set
2200	1000	46	**01.127.761.9**	1 set
2000	1200	41	**01.127.762.9**	1 set
2200	1200	46	**01.127.763.9**	1 set

Crane eyes

MEC00074

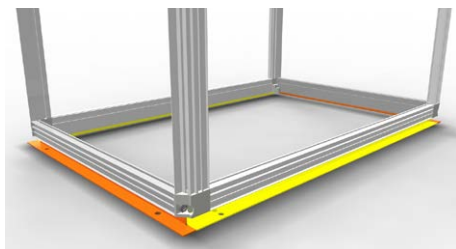| Order No.	UP
01.131.745.9	1 set
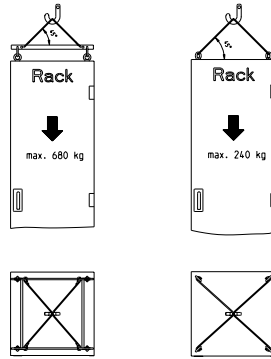
MEC20194

- For hanging on crane hooks.
- The crane eyes are screwed into the threads provided on the basic frame.

- **Load rating**
  - Max. 6,800 N.
- **Material**
  - Tool steel, forged.
- **Scope of delivery**
  - 4 x ring bolts.
  - 4 x washers.
- **How supplied**
  - In sets.

Mounting bracket
Fixed

DCM20090

MIR20449

- Sits flush ("airtight").
- Even load distribution on base.
- Also compatible with Knurr DCM™ racks.

- **Load rating**
  - 15,000 N static.
- **Material**
  - Sheet steel 3.0 mm.
- **Finish**
  - Order no. 1: Powder-coated texture, RAL 7035 light-grey.
  - Order no. 8: Powder-coated texture, RAL 7021 dark-grey.
- **Scope of delivery**
  - 2 x mounting brackets for the depth.
  - 2 x mounting brackets for the width.
  - 1 x Mounting kit.
- **How supplied**
  - In sets.

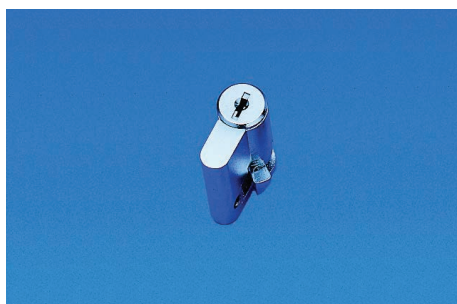| W	H	D	Order No.	UP
600	27	300	**01.147.507.X-001**	1 unit
600	27	600	**01.147.509.X**	1 unit
600	27	700	**01.147.510.X**	1 unit
600	27	800	**01.147.511.X**	1 unit
600	27	900	**01.147.512.X**	1 unit
600	27	1000	**01.147.513.X**	1 unit
600	27	1100	**01.147.514.X**	1 unit
600	27	1200	**01.147.515.X**	1 unit
800	27	300	**01.147.507.X-003**	1 unit
800	27	600	**01.147.525.X**	1 unit
800	27	700	**01.147.526.X**	1 unit
800	27	800	**01.147.527.X**	1 unit
800	27	900	**01.147.528.X**	1 unit
800	27	1000	**01.147.529.X**	1 unit
800	27	1100	**01.147.530.X**	1 unit
800	27	1200	**01.147.531.X**	1 unit

MIR20095

Combination lock

- Mechanical solution for a top-quality locking system.
- Access either via a three-digit code that can be individually set on the handle or via a master key for access to the rack independent of the code setting.

- Suitable for Knurr™ Miracel™ 2 / Knurr DCM™ rack single doors with swing handle.
- Subsequent retrofitting also possible without mechanical alteration.

Model	Order No.	UP
Single doors MIR2 / DCM / Smaract™ Doors, with swing handle	**01.137.013.9**	1 unit

MIR20460

Door locking set

- **Scope of delivery**
  - 1 lock set.
  - 2 keys (half-cylinder).

Model	Order No.	UP
MIR2 / Knurr DCM™ / Smaract™ Doors, with swing handle	**05.041.299.9**	1 set

MIR00069

Complete locking set

- **Scope of deliver**
  - 2 cylinders with 2 keys each.
  - 2 lockable fasteners for side panel with 2 keys each.

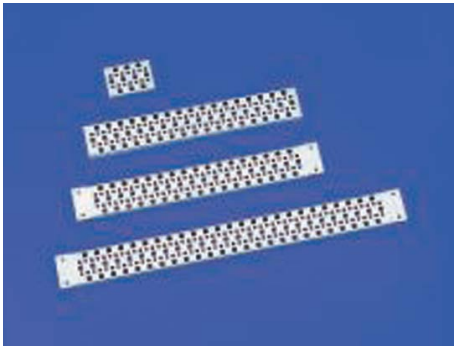| Model	Order No.	UP
MIR2 / DCM	**01.130.940.9**	1 set

MIR20461

Spare key for door

- **Scope of delivery**
  - 2 x keys.

	Order No.	UP
	00.078.467.9	1 unit

MIR00089

Pos.2

Pos.1

Pos.4   Pos.3
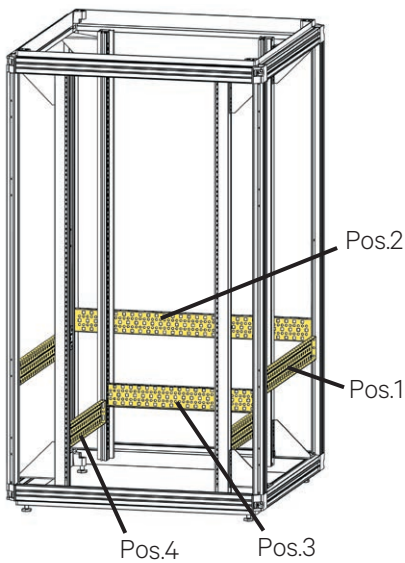
MIR88003

Multifunctional brace

- For routing cables with cable ties.
- For universal mounting option.
- Holes for mounting caged nuts.
- Distance between two multifunctional braces can be selected using T-slot.
- Installation on the extrusions of the rack frame or on the 19" extrusions, diagonal and lateral.

- **Installation positions**
  - 1 toward rear of basic frame.
  - 2 across width of basic frame.
  - 3 across width of 19" extrusions.
  - 4 toward rear of 19" extrusions.

- **Material**
  - Sheet steel 1.5 mm.
- **Finish**
  - Zinc-passivated.
- **Scope of delivery**
  - 4 x multifunctional braces.
- **How supplied**
  - In sets.
- **Remark**

  Pos. 4 fits only with LAN or T-Nut 19" extrusion.

| D_Rack	d	Installation position	For rack type	Order No.	UP
300		1	Extension Kit 300mm	05.040.160.9-001	4 units
600		1	MIR2 / Knurr DCM™	05.040.160.9	4 units
800		1	MIR2 / Knurr DCM™	05.040.161.9	4 units
900		1	MIR2 / Knurr DCM™	05.040.162.9	4 units
1000		1	MIR2 / Knurr DCM™	05.040.163.9	4 units
1100		1	MIR2 / Knurr DCM™	05.040.164.9	4 units
1200		1	MIR2 / Knurr DCM™	05.040.165.9	4 units
600		2	MIR2 / Smaract™	05.040.173.9	4 units
800		2	MIR2	05.040.174.9	4 units
		3	MIR2 / Knurr DCM™ / Smaract™ / DPR	05.040.175.9	4 units
600	365	4	MIR2 / Smaract™	05.040.168.9	4 units
800	565	4	MIR2 / Smaract™	05.040.169.9	4 units
600	440	4	MIR2 / Smaract™	05.040.170.9	4 units
800	640	4	MIR2 / Smaract™	05.040.171.9	4 units
900	740	4	MIR2 / Smaract™	05.040.172.9	4 units
1000	740	4	MIR2 / Smaract™	05.040.172.9	4 units

MEC20091

MEC20078

Pos.2

Pos.1

Pos.3

MIR88001
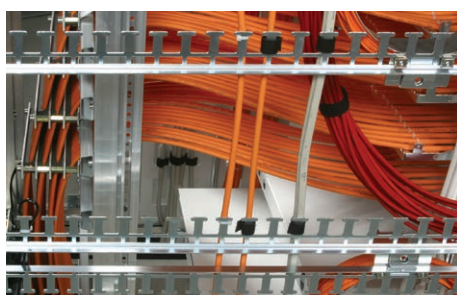
Cable routing brace

- Fitted to the Miracel™ 2 / Knurr DCM™/ Smaract™ basic frame and the 19" extrusion.
- Cables fastened using Velcro and cable ties.
- For organized cable management with in the rack.
- Two-sided installation.
- Provides universal mounting using caged nuts (all dimensions can be accommodated; caged nuts are flexible).

- **Material**
  - Sheet steel, 1.5 mm.
- **Finish**
  - Zinc-passivated.
- **Scope of delivery**
  - 4 x cable routing braces.
  - 1 x Mounting kit.
- **How supplied**
  - Single items.
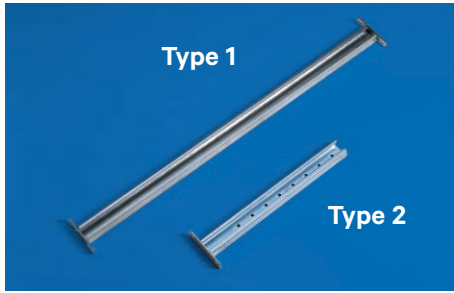- **Note**

  If required, please also order Velcro rolls .
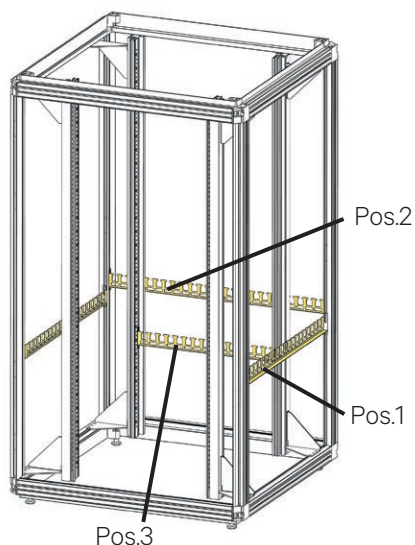
D	L	Model	For rack type	Order No.	UP
300	193,5	Pos. 1	Extension Kit 300mm	**05.040.200.9-001**	4 units
600	455	Pos. 1	MIR2 / Knurr DCM™	**05.040.200.9**	4 units
800	655	Pos. 1	MIR2 / Knurr DCM™	**05.040.201.9**	4 units
900	755	Pos. 1	MIR2 / Knurr DCM™	**05.040.202.9**	4 units
1000	855	Pos. 1	MIR2 / Knurr DCM™	**05.040.203.9**	4 units
1200		Pos. 1	MIR2 / Knurr DCM™	**05.040.205.9**	4 units
	534	Pos. 2	Smaract™	**05.040.213.9**	4 units
	468	Pos. 3	Smaract™/DPR	**05.040.215.9**	4 units

P = **assemble to order** (shipped within 5 working days). Caution: In case of larger orders, delivery times may increase.

Dimensions in mm:

W	= Width	h	= Installation height	U	= Standard rack unit	kg	= Weight	
H	= Height	d	= Insertion depth		(1 U = 44.45 mm)			
D	= Depth	L	= Length			UP	= Packaging unit	

Conversion:

1 mm	= 0.03937 inch
1 kg	= 2.2046 pounds

Type 1

Type 2

MEC00113

Pos.1

Pos.2

MIR88004

C extrusion rail

- Cables secured with U-clamps or cable clamping bars.
- Space-saving installation between the extrusions on the basic rack.
- Two-sided installation.

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

- **Finish**
  - Zinc-passivated.

- **Scope of delivery**
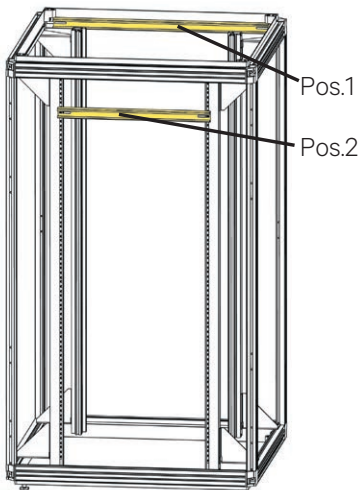 - 4 x extrusion rails.
  - 1 x Mounting kit.
- **How supplied**
  - In sets.
- **Note**

  Please also order U-clamps, cable clamping bars or threaded plates.

D	W	Installation position	For rack type	Order No.	UP
300	1	Extension Kit 300mm	**05.040.180.9-001**	4 units
800	1	MIR2 / Knurr DCM™	**05.040.181.9**	4 units
900	1	MIR2 / Knurr DCM™	**05.040.182.9**	4 units
1000	1	MIR2 / Knurr DCM™	**05.040.183.9**	4 units
1200	1	MIR2 / Knurr DCM™	**05.040.185.9**	4 units
	600	2	Smaract™	**05.040.193.9**	4 units
	800	2	MIR2	**05.040.194.9**	4 units

MIR00096

Pos.1

Pos.2

MIR88002

C extrusion rail

- Cables secured with U-clamps or cable clamping bars.
- Cable clamping close to entry point (type 1).
- Suitable for use with cover panel including cable entry.

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

- **Scope of delivery**
  - 1 x C extrusion rail.
  - 1 x Mounting kit.
- **How supplied**
  - In sets.
- **Note**

  Please also order U-clamps, cable clamping bars or threaded plates.

W	L	Model	Order No.	UP
600	482.5	Pos. 1: MIR2 / Knurr DCM™	**05.040.080.0**	1 unit
800	682.5	Pos. 1: MIR2 / Knurr DCM™	**05.040.082.0**	1 unit
19"	482.5	Pos. 2: MIR2 / Knurr DCM™ / Smaract™ / DoubleProRack	**01.110.719.9**	1 unit

DCM20077

DCM20076

# Vertiv™ Knürr™ MIR2 / Vertiv™ Knürr DCM™ PDU Bracket

- For orderly cable management in the rack.

- For hanging in trade-standard PDUs without tools.

- Especially suited to Vertiv™ Geist™ rPDUs.

- **Material / Finish**

  - Steel sheet, 1.5 mm, zinc passivated, powder-coated.

- **Colour**

  - Final digit of order number .1: RAL 7035 light-grey.

  - Final digit of order number .8: RAL 7021 dark-grey.

- **Scope of delivery**

  - 1 x PDU bracket.

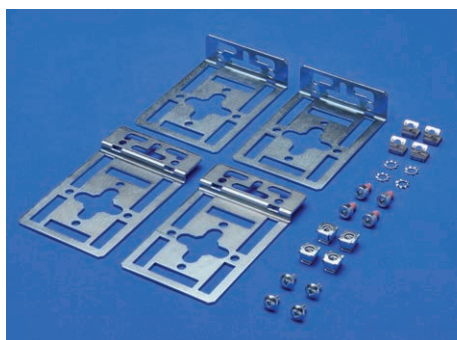 - 1 x Mounting kit.

- **How supplied**

  - In sets.
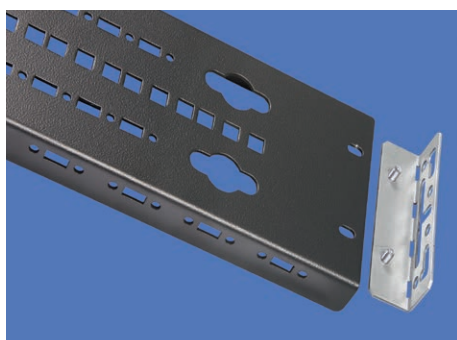
W	H_**Rack**	D	U		Order No.	UP
125	2000	25	42		**01.147.816.X**	1 unit
125	2200	25	47		**01.147.817.X**	1 unit

MEC20222   *Type 1*

MEC20223   *Type 2*

PDU mounting kit

- For securing various rack PDUs.

- Suitable for Miracel™ 2 and Knurr DCM™ racks.

- For installing 1 or 2 PDUs.

- Installation options are described in the "Installation instructions for PDUs" manual.
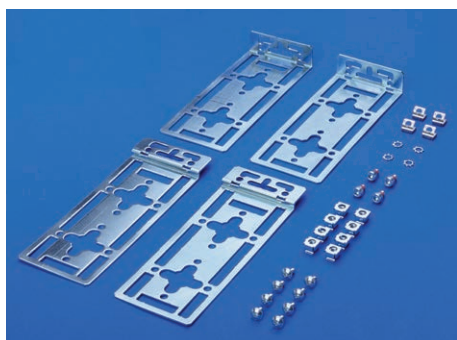
- **Material / Finish**

  - Sheet steel, 2 mm, zinc passivated.

- **Scope of delivery**

  - 2 x L mounting brackets.

  - 2 x angular mounting brackets.

  - 1 x Mounting kit.

- **How supplied**

  - In sets.

Model	For rack type	Order No.	UP	
Type 1: short	MIR2 / Knurr DCM™	**01.147.813.9**	1 set	**P**
Type 2: long	MIR2 / Knurr DCM™	**01.147.814.9**	1 set	

P = **assemble to order** (shipped within 5 working days). Caution: In case of larger orders, delivery times may increase.

Dimensions in mm: **Conversion:**

W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch
H = Height	d = Insertion depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds
D = Depth	L = Length	UP = Packaging unit		

DCM20107

Vertiv™ Knürr DCM™ Seismic Kit

- Retrofitting set for Knurr DCM™ racks.

- Installed on site.

- Rack with installed seismic kit tested in accordance with Telcordia GR63 Zone 4.

- Maximum total load for seismic application: 500 kg per rack.

- **Material / Finish**
  - Steel sheet, powder-coated.

- **Colour**
  - RAL 7021, dark-grey.

- **Scope of delivery**
  - 2 x seismic frames.
  - Support for rear EIA-compliant level.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.

W	H	Model	Order No.	UP
600	2000	Knurr DCM™ USA	**01.147.909.8**	1 set
600	2000	Knurr DCM™ Standard	**01.147.912.8**	1 set
for Knurr DCM™ Rack only				

DSC00194

DSC00202

Vertiv™ Knürr DCM™ gap sealing depth profil

- Quick and easy retrofitting.

- Gap sealing between the linked rack.

- **Material**
  - Steel sheet, zinc-passivated 1,5 mm.

- **Scope of delivery**
  - 2 gab sealings.
  - Mounting kit.

- **How supplied**
  - In Sets.

Description	Order No.	UP
for Knurr DCM™ Rack only	01.147.643.9	1 unit

MIR20051

Tilt restraint for Vertiv™ Knürr™ MIR2 only 2 Racks, Quick Assembly System

- Quick and easy mounting
- Used as required

- **Included in delivery**
  - 2 x tilt restraints.
- **Delivery**
  - In sets.

Description	Order No.	UP
for MIR2 Rack only	01.127.310.9	2 units

Knurr DCM™ Rack

DCM20026

Tilt Restraint for Vertiv™ Knürr DCM™

- Quick and easy mounting and removal.
- Can be integrated in the Vertiv™ Knürr DCM™ rack.
- Use only as required.
- **Scope of delivery**
  - 2 x anti-tilt restrainers.
- **How supplied**
  - In sets.

Description	Order No.	UP
for Knurr DCM™ Rack only	01.147.641.9	2 unit

Dimensions in mm:						Conversion:	
W	= Width	h	= Installation height	U	= Standard rack unit	kg	= Weight	1 mm	= 0.03937 inch
H	= Height	d	= Insertion depth		(1 U = 44.45 mm)			1 kg	= 2.2046 pounds
D	= Depth	L	= Length	UP	= Packaging unit		

MKA4L0UKVKRR1-10/2022 (R11/22)

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