

# KNÜRR® MOBILE EQUIPMENT CARRIERS

Universal Cart Systems Ergonomic. Modular. Future-Proof



## KNÜRR MOBILE <u>EQUIPMENT CARRIERS</u>

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#### **Mobility In Practice**

# MODULAR & INDUSTRIAL SOLUTIONS

Whether for the electronics laboratory, in the logistics and in the automotive sector, our extensive standard range provides diverse solutions for the safe and secure mobility of valuable equipment. Our modular designs enable versatile cart configurations, immediately or at any time later on. For demanding ESD environments Knürr provides various cart systems - ranging from robust transport trolleys through to the fully equipped measurements and diagnostics cart.

Ergonomic details also simplify daily tasks in a wide range of environments. An extensive range of accessories supplements Knürr's mobile equipment carriers as requested by the customer: Flat screen holders, ESD castors, isolating transformers and leakage detectors, cable routing elements and other practical accessories.



MOB20131







MET 20000 MOB20096





# **Mobile Equipment Carriers**

Knürr® DacoMobile

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#### Knürr® DacoMobile **Strong points**

#### Stability

- Total load rating of up to 2100 N
- Worktops each with up to 800 N load rating High stability with low-lying centre of gravity
- Distributed load drawer extension up to 200 N
- Torsional strength with stable aluminium extrusions on die-cast aluminium stabilizers and crosspiece of sheet steel
- Optimal stability for equipment set up in the trolley with raised edges all around the worktop

#### Convenience

- Optimised operation with additional module components, such as
  - Cable duct
  - Rear panel
  - Euro mains distributor
  - Master switch
  - Socket strip

- Ergonomically optimal adjustment with
  - Keyboard extension
  - Pull-out shelves
- Effortless management of obstacles and uneven floors with Ø 125 mm large smooth-running castors
- Positioning with 2 lockable castors
- No marks and scratches on the doors, panels and fittings due to the integrated plastic bumper cap

#### Variability

- Standard and ESD model components
- Modular designs enable numerous individual models
- Versatile applications ranging from the simple storage trolley to the complex laboratory station
- Simple and quick adjustment without special tools



MOB20095



MOB20053







MOB00274

Dimensions in mm: W = Width

H = Height
D = Depth
h = Installation height

d = Useful depth = Length

HU = Standard height unit, 1 HU = 44.45 mm 482.6 mm, (ideal for 19" components

in acc. with DIN 41494)
UP = Unit of packaging

ka = Weiaht

1 inch = 25,4 mm Conversion:

Replace "x" with the number of your color choice

= assemble to order (shipped within 10 working days)

Caution: In case of larger orders , delivery

#### Knürr® DacoMobile system components **Technical data**

- Modules can be installed in 50 mm increments in height
- Smooth-running castors, Ø 125 mm, two with stoppers

#### Material

#### Basic rack consists of:

- Extrusions: extruded aluminum
- Runners: die-cast aluminum
- Crosspiece: sheet steel

#### Worktop:

sheet steel

#### Other modules:

· combination of sheet steel with laminated particle board, or sheet steel.

#### • Finish

#### Metal parts:

powder-coated texture

#### Laminated sheet:

fine-textured

#### Color

#### Extrusions, runners, castors:

 RAL 5003, sapphire blue or RAL 7021 ESD or RAL 7035, light grey

#### Modules:

RAL 7035, light grey

#### **ESD** castors:

black

#### Maximum static load rating

#### Per basic rack:

• 2,100 N

Per castor: 750 N

Surface load per worktop:

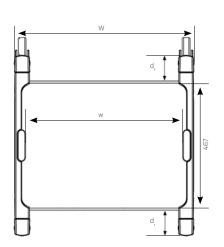
up to 800 N

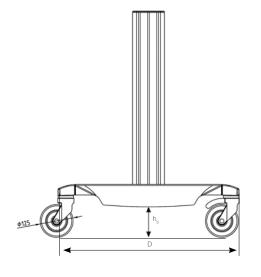
#### • How supplied

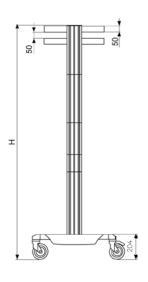
Fully assembled



MOR20051







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MOB20035

Installation position of the Knürr® DacoMobile elements in 50 mm increments, measured from above.

W (mm)	600	700	
w (mm)	496	596	

D = 680 mm

MOB20076

= 120 mm

 $d_f = 97 \text{ mm}$ 

d<sub>r</sub> = 97 mm



#### Knürr® DacoMobile 1515

#### • Material

- Worktops sheet steel
- Handle(s) aluminum extrusion
- Base unit crosspiece sheet steel

#### Dimensions

• Height 1,515 mm

#### Color

#### • Supply schedule

- 1 basic rack
- 2 handles
- 4 worktops

#### How supplied

Partially assembled





MOB20097

#### **Mobile ESD-Measuring and Analysis Station**

#### **Color combination**

Worktop, RAL 7035, light grey Extrusions and stabilizer, RAL 7021 black grey

Castor - Ø 125 mm

#### Load rating

Basic rack:

• 2,100 N

Per castor: • 750 N

Surface load per worktop:

• 800 N

#### Material / Finish

#### Basic rack consists of:

- Extrusions: extruded aluminum
- Rockers: die-cast aluminum, powder-coated;

Sliding handle – aluminum extrusion Base unit crosspiece - sheet steel Drawer unit, sheet steel Table top, sheet steel

#### • Supply schedule

- 1 ESD-basic rack
- 2 ESD-worktop
- 1 ESD-drawer
- 1 ESD-handle

#### How supplied

Assembled



MOB20098

W	Н	D	w	d	Order no.	UP
700	860	685	596	490	00.115.620.9	1 unit

Dimensions in mm: W = Width

H = Height
D = Depth
h = Installation height d = Useful depth L = Length

HU = Standard height unit, 1 HU = 44.45 mm 19"= 482.6 mm, (ideal for 19" components in acc. with DIN 41494) UP = Unit of packaging

kg = Weight

Conversion: 1 inch = 25,4 mm Replace "x" with the number of your

color choice

#### Knürr® DacoMobile Basic Rack

#### Finish

Replace "x" with the number of your color choice. Final digit of order number .1:

 Vertical extrusions, die-cast aluminium runners RAL 7035 light grey
 Bottom frame cover RAL 7035 light grey
 Castors, bumper-caps and end-caps black

#### Final digit of order number .2:

 Vertical extrusions, die-cast aluminium runners RAL 5003 sapphire blue Bottom frame cover RAL 7035 light grey Castors, bumper-caps and end-caps black RAL 5003 sapphire blue

#### ESD finish .9:

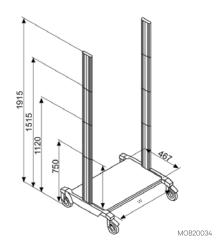
 Vertical extrusions, die-cast aluminum runners RAL7021 black grey, ESD bottom cover RAL 7035, light grey, ESD Conductive castors, impact protection caps and end-caps, black

#### Supply schedule

- 1 bottom cover made of sheet steel
- 2 die-cast aluminum runners with plastic bumper caps
- 4 smooth-running castors Ø 125 mm, 2 with snib
- 2 vertical aluminum extrusions with threaded strips for mounting the modules

### Design your own individual equipment carrier as follows:

- 1. Choose ESD or Standard
- 2. Select a width
- 3. Select the height of the basic rack
- Coose the appropriate accessories on the following pages



600 750 496 <b>00.101.505.</b> x 1 un 600 750 496 • <b>00.101.614.9</b> 1 un	it
600 750 496 • <b>00.101.614.9</b> 1.up	
700 100 101	٠.
700 750 596 <b>00.101.605.x</b> 1 un	IT
700 750 596 • <b>00.101.615.9</b> 1 un	it
600 1120 496 <b>00.103.505.x</b> 1 un	it
600 1120 496 • <b>00.103.614.9</b> 1 un	it
700 1120 596 <b>00.103.605.x</b> 1 un	it
700 1120 596 • <b>00.103.615.9</b> 1 un	it
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600 1515 496 • <b>00.104.614.9</b> 1 un	it
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700 1515 596 • <b>00.104.615.9</b> 1 un	it
600 1915 496 <b>00.105.505.x</b> 1 un	it
600 1915 496 • <b>00.105.614.9</b> 1 un	it
700 1915 596 <b>00.105.605.x</b> 1 un	it
700 1915 596 • <b>00.105.615.9</b> 1 un	it



MOB00333

#### Knürr<sup>®</sup> DacoMobile Cable Duct Large

- With convenient hinged cover with two quicklocks
- Separate cable routing via mounting strip
- Cable exit via sealing lips at any height
- Can be mounted left or right

#### Material

 Sheet steel, powder-coated RAL 7035, light grey, antistatic ESD: RAL 7021, black-grey, antistatic

#### Supply schedule

- 1 cable duct
- Mounting material

W	н	D	ESD	Order no. UP
85	1120	190		<b>00.118.014.1</b> 1 unit
85	1515	190		<b>00.118.015.1</b> 1 unit
85	1915	190		<b>00.118.016.1</b> 1 unit
85	1120	190	•	<b>00.118.214.9</b> 1 unit
85	1515	190	•	<b>00.118.215.9</b> 1 unit
85	1915	190	•	<b>00.118.216.9</b> 1 unit



MOB20057



#### Knürr® DacoMobile Castor Set

- Load capacity: 750 N per castor – ø 125 mm
- Color

#### Standard castors:

- RAL 5003, sapphire blue ESD:
- Black

#### Supply schedule

- 4 smooth-running castors
- 2 with stopper



MOB20067

ESD	Order no.	UP
	00.128.965.2	1 unit
•	00.128.975.9	1 unit

#### Knürr\* DacoMobile Worktop

· Sheet steel, powder-coated

#### • Color

- RAL 7035, light grey ESD version:
- RAL 7035, light grey, ESD

#### Supply schedule

- 1 worktop
- Mounting material

• Please order handle and anti-slide mats separately.



version: sheet steel MOB20071

Н	D	w	Model	ESD	Order no.	UP
50	490	496	Sheet steel		00.101.530.1	1 unit
50	490	596	Sheet steel		00.101.630.1	1 unit
50	490	496	Sheet steel, ESD	•	00.101.540.1	1 unit
50	490	596	Sheet steel, ESD	•	00.101.640.1	1 unit

#### Knürr® DacoMobile Worktop Handle

- · For sheet steel worktops
- Can be mounted from front and/or rear

#### Material

 Sheet steel Aluminum extrusion handle

#### Color

- RAL 7035, light grey ESD:
- RAL 7021, dark grey, antistatic

#### · Supply schedule

- 1 handle
- 2 mounting brackets
- Mounting material

w	Model	ESD	Order no.	UP
496	Dacomobile worktop handle		00.101.045.1	1 unit
596	Dacomobile worktop handle		00.101.050.1	1 unit
496	Dacomobile worktop handle ESD	•	00.101.145.1	1 unit
596	Dacomobile worktop handle ESD	•	00.101.150.1	1 unit



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Dimensions in mm: W = Width

L = Length

H = Height
D = Depth
h = Installation height
d = Useful depth

HU = Standard height HU = Standard neight unit, 1HU = 44.45 mm 19"= 482.6 mm, (ideal for 19" components in acc. with DIN 41494) UP = Unit of packaging kg = Weight

Conversion: 1 inch = 25,4 mm

Replace "x" with the number of your color choice

#### **Tiltable Mounting Plate**

- Universal mounting plate. Can be mounted in three different angle positions
- Maximum static surface load: 20kg

#### Material

Sheet-steel, powder-coated

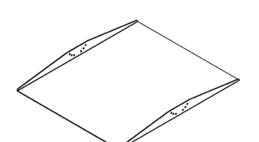
#### Finish

RAL 7035 light grey

#### Supply schedule

- 1 mounting plate
- Mounting material

D	٧	v	Order no.	UP
60	00 4	96	00.101.134.1	1 unit
60	00 5	596	00.101.135.1	1 unit
70	00 4	<b>.</b> 96	00.101.137.1	1 unit
70	00 5	596	00.101.138.1	1 unit



MOB20132

#### Knürr<sup>®</sup> DacoMobile Cross Extrusion

• For cross-bracing the basic rack with heavy components or with high carts

#### Material

• Sheet steel, powder-coated

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

RAL 7035 light grey

#### Final digit of order number .2:

RAL 5003 sapphire blue

#### Final digit of order number .9:

ESD version, RAL 7021 black grey ESD

#### Supply schedule

- 1 cross extrusion
- Mounting material



MOB20063

w	Model	ESD	Order no.	UP
496	Sheet steel	,	00.122.510.X	1 unit
596	Sheet steel		00.122.611.X	1 unit
496	Sheet steel, ESD	•	00.122.510.9	1 unit
596	Sheet steel, ESD	•	00.122.611.9	1 unit

#### Knürr® DacoMobile Telescopic shelf

- ESD or standard version
- Shelf with telescopic slides
- Locking in closed an extended position
- Maximum static load: 22kg

#### Material

Sheet steel, powder-coated Tray handle - plastic

#### Color

• Extension board, RAL 7035 light grey, antistatic Standard tray handle, RAL 7035 light grey ESD handle, black

#### Supply schedule

- 1 Telescopic shelf, pre-assembled
- Mounting material

Н	D	w	Model	ESD	Order no.	UP
50	490	496	Sheet steel		00.125.525.2	1 unit
50	490	596	Sheet steel		00.125.625.2	1 unit
50	490	496	Sheet steel, ESD	•	00.125.530.1	1 unit
50	490	596	Sheet steel, ESD	•	00.125.630.1	1 unit



H = Height

d = Useful depth

unit, 1 HU = 44.45 mm 19"= 482.6 mm, (ideal for 19" components

in acc. with DIN 41494) UP = Unit of packaging kg = Weight

Replace "x" with the number of your color choice





## Knürr<sup>®</sup> DacoMobile Keyboard Extension

- ESD or standard version
- Closed sheet steel carcass
- Main unit cover recessed for optional anti-slide mats
- Extension board with telescopic slides
- Mouse table can be moved to the left or right with or without lock
- Maximum static load for telescopic shelf: 10kg

#### Material

 Sheet steel, powder-coated Tray handle – plastic

#### • Color

 Main unit, extension board, mouse table: RAL 7035, light grey, antistatic
 Standard tray handle, RAL 7035, light grey
 ESD handle, black

#### Supply schedule

- 1 keyboard extension, closed, with mouse table
- Mounting material



## H D

Н	D	w	Model	ESD	Order no.	UP
100	490	496	With loc		00.127.516.2	1 unit
100	490	596	With loc		00.127.616.2	1 unit
100	490	496	With loc	•	00.127.526.1	1 unit
100	490	596	With loc	•	00.127.626.1	1 unit

#### Knürr\* DacoMobile Drawer Module

- ESD or standard version
- · With or without lock
- Height 100 or 150 mm
- Sheet steel main unit
- Main unit cover with depression for optional anti-slide mats
- Maximum static load:
   10 kg for drawer
   20 kg for corpus

#### • Material

Sheet steel, powder-coated
 Tray handle – plastic

#### • Color

 Main unit, drawer RAL 7035, light grey, antistatic Tray handle: Standard RAL 7035, light grey ESD handle: Black

#### • Supply schedule

- 1 drawer module
- Mounting material





MOB200

		ע	w	модеі	E9D	Order no.	UP
1	100	490	496	With lock		00.117.536.2	1 unit
1	100	490	596	With lock		00.117.616.2	1 unit
1	100	490	496	With lock	•	00.117.526.1	1 unit
1	100	490	596	With lock	•	00.117.626.1	1 unit
1	150	490	496	With lock		00.117.538.2	1 unit
1	150	490	596	With lock		00.117.618.2	1 unit
1	150	490	496	With lock	•	00.117.528.1	1 unit
1	150	490	596	With lock	•	00.117.628.1	1 unit

#### Knürr\* DacoMobile Storage Tray

- Tray for paper, cables or small parts
- Height 80 mm
- With perforation Ø 8 mm

#### Material

Sheet steel, powder-coated

#### Color

RAL 7035, light grey, antistatic

#### • Supply schedule

- 1 storage tray
- Mounting material

н	D	w	Model	ESD	Order no.	UP
80	490	496	ESD	•	00.111.512.1	1 unit
80	490	596	ESD	•	00.111.612.1	1 unit



MOB20068

## Knürr® DacoMobile Mounting Kit, Fixed For 19" DoubleProRack Enclosures

- Installation option for two different enclosure depths in the basic rack
- Maximum static load rating, 800 N
- Only for Knürr DacoMobile width 600 mm!
- Only for Knürr DoubleProRack Enclosure Width 600; depth 500 mm, 600 mm, 700 mm

#### • Supply schedule

• 1 pair of mounting brackets

#### Note

#### More information on 'DoubleProRack':

www.pdb.knuerr.com

W	н	D	Order no.	UP
		500	00.101.130.1	1 unit
		600	00.101.131.1	1 unit
		700	00.101.132.1	1 unit



MOB2006



MOB20082

#### **Spacer set for DoubleProRack**

 Recommended for DoubleProRack enclosures, mounted in DacoMobile trolley to stabilize the enclosure

#### Material

 Aluminium extrusion, powder-coated RAL 7035 light grey

#### • Supply schedule

- 2x spacer 20mm length
- 2x Cylinder head screw M6x60
- 2x Spring nut M6
- 2x Star washer 6.4mm

W	Н	D		Order no.	UP
				00.101.016.1	1 unit







#### Knürr® DoubleProRack 19" Stand-alone Enclosure

#### • Description

- For components compliant with IEC 297-3
- Side covers and rear panel may be
- Flexible assembly of components using T-slot (also available with mounting holes)
- Cable entry via rear panel
- Heat loss discharge via convection on the rear panel (optional with fan unit)

#### Jumpering space

• Front 125 mm

#### Load rating

• 1500 N static

#### **Protection rating**

• IP 20

#### Material / Finish

- Covers, sheet steel, powder-coated texture
- Die-cast aluminum frame
- Extruded aluminum extrusions
- Front door glass infill, single safety glass panel

#### Color

- Panels RAL 7035 light grey
- Frame and extrusions, RAL 5008, grey-blue

#### Scope of delivery

- 1 x frame rack incl. side covers
- 1 x full glass door
- 1 x rear panel with cable entry, 3 parts
- 1 x panel, above, with vent slots
- 1 x panel, below, with vent slots
- 1 x 19" component set (4 vertical extrusions with T-slot)
- 1 x grounding set with M8 grounding bolt

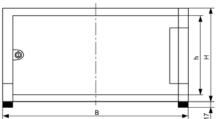
#### How supplied

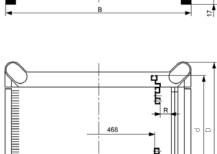
Assembled

• When using a DoublePro rack in combination with a DacoMobile, we recommend to choose the DacoMobile in color combination .1 (light grey)



DOP00256





465 450

DOP00230

W	Н	D	U	h	d (max.)	Model	Order no.	UP
554.4	577	600	12	532	435	With full glass door	01.246.643.1	1 unit
554.4	711	600	15	666	435	With full glass door	01.246.644.1	1 unit
554.4	844	600	18	799	435	With full glass door	01.246.645.1	1 unit
554.4	978	600	21	932	435	With full glass door	01.246.646.1	1 unit
554.4	1111	600	24	1066	435	With full glass door	01.246.647.1	1 unit

Dimensions in mm: W = Width

H = Height
D = Depth
h = Installation height

d = Useful depth L = Length

HU = Standard height unit, 1 HU = 44.45 mm 19"= 482.6 mm, (ideal for 19" components

in acc. with DIN 41494)
UP = Unit of packaging ka = Weiaht

1 inch = 25,4 mm Conversion:

Replace "x" with the number of your color choice

#### Knürr® DoubleProRack 19" Enclosure without Front Door

#### Description

- For components compliant with IEC 297-3
- Side covers and rear panel may be
- · Heat loss discharge via convection on the rear panel (optional with fan unit)

#### Load rating

1500 N static

#### **Protection rating**

• IP 20

#### Material / Finish

- Covers, sheet steel, powder-coated texture
- · Die-cast aluminum frame
- · Extruded aluminum extrusions

#### Color

- Panels RAL 7035 light grey
- Frame and extrusions, RAL 5008, greyblue

#### Scope of delivery

- 1 x frame rack incl. side covers
- 1 x panel, above, with vent slots
- 1 x panel, below, with vent slots
- 1 x rear panel (from 12 U enclosure height incl. 3 U vented cover plate)
- 2 x 19" extrusions, front, with mounting holes
- · 2 x 19" extrusions at the rear, T-slot

#### How supplied

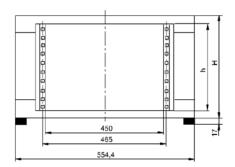
Assembled

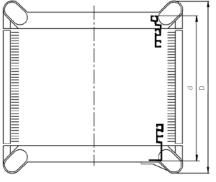
When using a DoublePro rack in combination with a DacoMobile, we recommend to choose the DacoMobile in color combination .1 (light grey)





DOP00253





DOP00052

Dimensions in mm: W = Width

h = Installation height

unit, 1 HU = 44.45 mm 482.6 mm, (ideal for 19" components in acc. with DIN 41494) UP = Unit of packaging d = Useful depth L = Length

HU = Standard height

kg = Weight

Conversion: 1 inch = 25,4 mm

Replace "x" with the number of your color choice



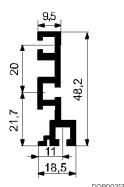
#### Knürr® DoubleProRack 19" Installation, Front with T-slot

- Can also be used as second mounting level
- Material
  - Aluminum extrusions
- Finish
  - Polished

- · Scope of delivery
  - 2 x 19" extrusions at the front, T-slot
  - 1 x Mounting kit
- How supplied
  - In sets

U	Order no.	UP
6	01.240.440.9	1 set
9	01.240.443.9	1 set
12	01.240.445.9	1 set
15	01.240.446.9	1 set
18	01.240.447.9	1 set
21	01.240.448.9	1 set
24	01.240.449.9	1 set

# DOP20004



DOP00313

#### Knürr® DoubleProRack 19" Installation, Front with Mounting Holes

- Can also be used as second mounting level
- Material
  - Extruded aluminum extrusions
- Finish
  - Polished

#### · Scope of delivery

- 2 x 19" extrusions at the front, mounting holes
- In sets

DOP200	IC
11 18.5 4.5.5 4.5.5 4.5.5 4.5.5	

U	Order no.	UP
6	01.240.490.9	1 set
9	01.240.493.9	1 set
12	01.240.495.9	1 set
15	01.240.496.9	1 set
18	01.240.497.9	1 set
21	01.240.498.9	1 set

#### Knürr® DoubleProRack Fan Rear Panel 3 U

- · With thermostat
- Technical data for single fan

Max. volume flow (free blowing):

162 m3/h

Noise emission (free blowing):

• 37 dB(A)

Technical data for thermostat

Setting range:

0 to 60°C

Mains supply:

240 V / 50 Hz

Nominal current:

• 16 A

#### How supplied

	Order no.	UP
6	01.240.490.9	1 set
9	01.240.493.9	1 set
12	01.240.495.9	1 set
15	01.240.496.9	1 set
18	01.240.497.9	1 set
21	01.240.498.9	1 set
24	01.240.499.9	1 set

#### • With axial fans

- · Scope of delivery
  - 1 x Mounting kit

• 1 x fan rear panel, wired

#### • Finish / Color

 Powder-coated texture, RAL 7035 light grey

#### How supplied

Assembled

• Cannot be used in the enclosure's lowest U

ļ	18,5	DOP00055
	P	Mana

DOP20035



DOP20036

w	н	U	Model	Order no.	UP
554.4	132.5	3	With thermostat	01.243.428.1	1 unit

#### Knürr® DoubleProRack Rear Panel, closed

- For DoubleProRack width 554.4 mm
- Material / Finish
  - Sheet steel, 0.8 mm, powder-coated texture
- Color
  - RAL 7035, light grey

#### Scope of delivery

- 1 x rear panel, closed
- 1 x Mounting kit

#### How supplied

In sets



W	U	Order no. l	JP
554.4	6	<b>01.240.454.1</b> 1	unit
554.4	9	<b>01.240.457.1</b> 1	unit
554.4	12	<b>01.240.459.1</b> 1	unit
554.4	15	<b>01.240.460.1</b> 1	unit
554.4	18	<b>01.240.461.1</b> 1	unit
554.4	21	<b>01.240.462.1</b> 1	unit

#### Knürr® Double ProRack **Connection Panel with Brush Strip**

- To cover rear panel along with the corresponding rear panel shortened by 3 U
- For DoubleProRack width 554.4 mm
- With brush strip for cable routing and strain relief

#### Finish / Color

• Powder-coated texture, RAL 7035 light

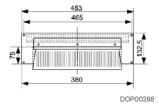
•	Scope	of	do	livar	١.

- 1 x connection plate
- 1 x Mounting kit

#### How supplied

In sets

DOF	00274



w	Н	U	Order no.	UP
554.4	132.5	3	01.243.438.1	1 unit

#### **Grounding Bar**

- For safe grounding or potential equalization of equipment and components
- Material
  - Electrolyte copper 9 x 9

Scope	of	delivery

- 1 x grounding bar
- 2 x brackets • 1 x Mounting kit



U	Order no. UP	
12	<b>01.110.703.9</b> 1 uni	t
21	<b>01.240.545.9</b> 1 uni	t



#### Knürr® DoubleProRack **Grounding Set for Enclosures**

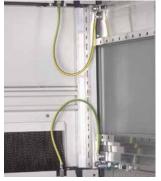
- For grounding top/bottom cover
- With central grounding bolt
- Scope of delivery
  - 2 x grounding connections, length 250 mm
  - 4 x spring nuts, M5

- 2 x washers
- 4 x cylinder screws, M5 x 10
- 1x grounding bolt
- How supplied
  - In sets

Order no.	UP
01.243.400.9	1 set



MEC20122



#### Knürr® DoubleProRack **Grounding Set for Doors and Trims**

- For grounding doors and/or cover plates
- Scope of delivery
  - 5 x grounding connections, length 250 mm
  - 1 x grounding connection, 250 mm, two-sided AMP plug
  - 5 x spring nuts, M5

- 5 x cylinder screws, M5 x 10 with toothlock washer
- 5 x washers
- How supplied
  - In sets

Order no.	UP	
01.245.400.9	1 set	







DOP00286

#### **Contact Clamp**

- Enables safe connection of equipment and components to grounding bar
- For cables up to 25 mm

- Scope of delivery
  - 120 x contact clamps

Order no.	UP
01.110.715.9	20 units



DOP20016

Dimensions in mm: W = Width

H = Height

D = Depth
h = Installation height
d = Useful depth L = Length

unit, 1 HU = 44.45 mm 19"= 482.6 mm, (ideal for 19" components in acc. with DIN 41494) UP = Unit of packaging kg = Weight

HU = Standard height

Conversion: 1 inch = 25,4 mm

Replace "x" with the number of your

color choice

#### **ESD** mounting set for isolating transformer

- Tray: Mount on underside of base unit
- Secure fixing of the isolating transformers
- With ventilation perforations

#### Material

• Sheet steel, powder-coated

120

520

• RAL 7035, light grey, antistatic

350

#### Supply schedule

- 1 mounting set
- Mounting material

#### Note

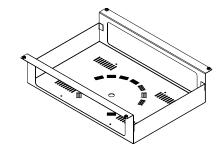
Tray

 Only for Knürr Dacomobile: W 696 mm, w 596 mm

00.101.262.1

1 unit





#### Knürr\* DacoMobile Master Switch Module

- For mounting on the vertical extrusions
- With lit on/off switch, white
- Pre-wired with H05VV-F3G cable, 1.5 mm²
- Sheet steel, powder-coated
- Color

#### Standard:

• RAL 7035, light grey, antistatic

#### • Supply schedule

- 1 master switch module
- Mounting material

w	Н	D	Order no.	UP
40	76	90	00.118.001.1	1 unit



MOB20048

#### Knürr® DacoMobile Rubber Mat

#### Material

• Self-adhesive rubber-mat made of open pore sponge rubber

#### Colour

• Standard: grey, ESD: black

W	w	Model	ESD	Order no.	UP
600	496	Standard, for sheet-steel table top and drawer unit top		00.101.195.0	1 unit
700	596	Standard, for sheet-steel table top and drawer unit top		00.101.200.9	1 unit
600	496	Standard, for sheet-steel keyboard extension open		00.101.196.0	1 unit
700	596	Standard, for sheet-steel keyboard extension open		00.101.202.9	1 unit
600	496	ESD, for sheet-steel tabletop and drawer unit top	•	00.101.198.0	1 unit
700	596	ESD, for sheet-steel tabletop and drawer unit top	•	00.101.208.9	1 unit
600	496	ESD, for sheet-steel keyboard extension open	•	00.101.199.0	1 unit
700	596	ESD, for sheet-steel keyboard extension open	•	00.101.210.9	1 unit



MOB00298

Dimensions in mm: W = Width

H = Height

L = Length

D = Depth
h = Installation height
d = Useful depth

HU = Standard height unit, 1 HU = 44.45 mm 19"= 482.6 mm, (ideal for 19" components in acc. with DIN 41494) UP = Unit of packaging kg = Weight

Conversion: 1 inch = 25,4 mm

Replace "x" with the number of your color choice



#### Knürr® DacoMobile 19"

- Color
  - RAL 5003, sapphire blue / RAL 7035 light grey
- Supply schedule
  - 1 Basic rack
  - 1 Cross extrusion

- 2 19" Extrusions10 Chassis runners
- How supplied
  - Part assembled



MOB00402

W	Н	D	HU/U	h	Order no. UP	
606	1865	685	36	1600	<b>01.316.016.2</b> 1 unit	
606	2000	685	39	1733	<b>01.316.019.2</b> 1 unit	

#### Knürr® DacoMobile Chassis Runner Set For mounting 19" equipment

- - Sheet steel, zinc passivated
- Supply schedule
  - 2 Chassis runners
  - Mounting material

#### • Dimensions

#### Length:

• 200 mm

#### Thickness:

#### • 2 mm

#### Angle bracket:

			•	44 x 50 mm		
W	Н	D			Order no.	UP
50	44	200			01.316.026.7	1 unit



MOB00336

# **Mobile Equipment Carriers**

Knürr® MetraMobil

Page 20 to 27







#### Knürr<sup>®</sup> MetraMobil Strong points

#### Variability

- A completely individual cart can be configured from a basic frame in 2 heights, 3 colors and 5 module components.
- Ideal height adjustment with variable height setting of the shelves

#### • Stability

- High load rating: up to 600 N per worktop up to 2200 N for full trolley
- Distributed load drawer extension up to 100 N
- High stability with advanced sheet steel construction

#### Functionality

 Suitable for the most varied areas of application: PC or printer station, IT-cart, logistics or laboratory

#### • Cable management

- Safe cable routing with two cable ducts integrated in the extrusion
- Clear and orderly cable management with integration of accessory parts,
   e.g. a socket strip, which can be mounted on the extrusion.

#### • Well-thought out solutions

- Vision and contact protection provided by the easy "on-off" rear panel, no tools needed
- Orderly arrangement of small material with drawer module with removeable small parts tray
- Smooth running 3/4 pull-out "Quattro" guide

#### • ESD versions

 Safety and protection in demanding ESD environments provided by ESD castors and ESD powder coating.



MET 20000



MET00034







MET00003 MET00037

21

#### Knürr<sup>®</sup> MetraMobil Basic Configurations

 Replace "x" with the number of your color choice.

#### • Final digit of order number .1:

 Worktops, RAL 7035, light grey Extrusions, RAL 9006, white aluminium Handle, RAL 9011, graphite black

#### Final digit of order number .9:

 Worktops, RAL 7016, anthracite grey Extrusions, RAL 9006, white aluminium Handle, RAL 9011, graphite black

#### • ESD versions:

Note: ESD only in color variant .1 (light grey)

Final digit of order number .1:

Worktops, RAL 7035, antistatic light grey Extrusions, RAL 9006, white aluminum

Handle: RAL 7021, dark grey, antistatic

#### • Design your individual trolley as follows:

- 1. Select height of the basic trolley
- 2. Select ESD or standard model
- 3. Pick out additional modules
- The basic model can be easily expanded with system components (bear ESD in mind!)
- Worktops: set at any height

#### • Dimensions

- Height, 900 mm or 1120 mm
- Full width, 550 mm
- Useful width, 500 mm

- Depth, 580 mm
- Useful depth, 440 mm
- Castor Ø 125 mm

#### Load rating

Basic rack:

#### 2200 N

Per castor: • 750 N

#### Surface load per worktop:

• 600 N

#### • Material/Finish

#### Basic rack consists of:

- Extrusions: extruded aluminium, powder-coated
- Worktops: sheet steel, powder-coat textured

#### Handle:

• aluminium tube, powder-coat textured

#### • Supply schedule, Basic Configuration

#### a. Height 900 mm

- 1 Basic rack
- 1 Worktop with handle
- 1 Worktop

#### b. Height 1120 mm

- 1 Basic rack
- 1 Worktop with handle
- 2 Worktops

#### • Supply schedule Metramobil Light

- 1 Basic rack
- 1 Worktop with handle

#### How supplied

Modules for self installation



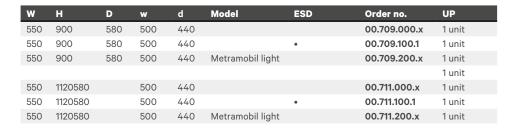
Metramobil Basic height 1120 mm

MET00018



Metramobil Basic height 900 mm

MET00014





Metramobil light

MET20008

Dimensions in mm: W = Width

H = Height

L = Length

D = Depth h = Installation height d = Useful depth HU = Standard height unit, 1 HU = 44.45 mm 19"= 482.6 mm, (ideal for 19" components

(ideal for 19" component in acc. with DIN 41494) UP = Unit of packaging

kg = Weight

Conversion: 1 inch = 25,4 mm

Replace "x" with the number of your color choice



#### Knürr<sup>®</sup> MetraMobil 900

 Replace "x" with the number of your color choice.

#### • Final digit of order number .1:

 Worktops, RAL 7035, light grey Extrusions, RAL 9006, white aluminium Handle, RAL 9011, graphite black

#### Final digit of order number .9:

- Worktops, RAL 7016, anthracite grey Extrusions, RAL 9006, white aluminium Handle, RAL 9011, graphite black
- · Worktops: set at any height
- Castor: Ø 125 mm

#### Load rating

#### Basic rack:

• 2200 N

#### Per castor:

• 750 N

#### Surface load per worktop:

• 600 N

#### • Material/Finish

#### Basic rack consists of:

- Extrusions: extruded aluminium, powder-coated
- Worktops: sheet steel, powder-coat textured

#### Handle:

• aluminium tube, powder-coat textured

#### • Supply schedule

- 1 Basic rack
- 1 Worktop with handle
- 1 Worktop
- 1 Keyboard extension with mouse table

#### How supplied

· Modules for self installation



MET00058

W	Н	D	w	d	Order no.	UP
550	900	580	500	440	00.709.002.x	1 unit

#### Knürr<sup>®</sup> MetraMobil 1120

- Replace "x" with the number of your color choice.
- Final digit of order number .1:
  - Worktops, RAL 7035, light grey Extrusions, RAL 9006, white aluminium Handle, RAL 9011, graphite black

#### Final digit of order number .9:

- Worktops, RAL 7016, anthracite grey Extrusions, RAL 9006, white aluminium Handle, RAL 9011, graphite black
- Worktops: set at any height
- Castor: Ø 125 mm

#### Load rating

Basic rack:

• 2200 N

Per castor:

750 N
 Surface load per worktop:

• 600 N

#### Material/Finish

#### Basic rack consists of:

- Extrusions: extruded aluminium, powder-coated
- Worktops: sheet steel, powder-coat textured

#### Handle:

aluminium tube, powder-coat textured

#### • Supply schedule

- 1 Basic rack
- 1 Worktop with handle
- 2 Worktops
- 1 Keyboard extension with mouse table

#### How supplied

• Modules for self installation



MET00060

W	Н	D	w	d	Order no.	UP
550	1120	580	500	440	00.711.002.x	1 unit

#### Knürr® MetraMobil 1120 with drawer module

• Replace "x" with the number of your color choice.

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

• Worktops, RAL 7035, light grey Extrusions, RAL 9006, white aluminium Handle, RAL 9011, graphite black

#### Final digit of order number .9:

- Worktops, RAL 7016, anthracite grey Extrusions, RAL 9006, white aluminium Handle, RAL 9011, graphite black
- Worktops: set at any height
- Castor: Ø 125 mm
- Load rating

#### Basic rack:

• 2200 N

#### Per castor:

• 750 N

#### Surface load per worktop:

• 600 N

#### • Material/Finish

#### Basic rack consists of:

- Extrusions: extruded aluminium, powder-coated
- Worktops: sheet steel, powder-coat textured

#### Handle:

• aluminium tube, powder-coat textured

#### • Supply schedule

- 1 Basic rack
- 1 Worktop with handle
- 2 Worktops
- 1 Drawer module

#### How supplied

Modules for self installation



MET00017

W	Н	D	w	d	Order no.	UP
550	1120	580	500	440	00.711.004.x	1 unit

Dimensions in mm: W = Width

H = Height
D = Depth
h = Installation height d = Useful depth L = Length

HU = Standard height

HU = Standard height unit, 1 HU = 44.45 mm 19" = 482.6 mm, (ideal for 19" components in acc. with DIN 41494) UP = Unit of packaging

kg = Weight

Conversion: 1 inch = 25,4 mm

Replace "x" with the number of your color choice



#### Knürr<sup>®</sup> MetraMobil Worktop

- Replace "x" with the number of your color choice.
- Standard versions:

Final digit of order number .1:

RAL 7035 light grey

Final digit of order number .9:

- RAL 7016 anthracite grey
- ESD version: Note: ESD only in color variant .1 (light grey) Final digit of order number .1:
  - RAL 7035 anti-static, light grey

- For storage and work purposes
- Variable setting between the vertical extrusions

#### ESD model in accordance with EN 100015

- Supply schedule
  - 1 Worktop
  - Mounting material
- How supplied

  - Flat-packed kit

w	Н	D	Model	ESD	Order no.	UP
500	25	440			00.701.020.x	1 unit
500	25	440		•	00.701.120.1	1 unit
500	25	440	with handle		00.701.021.x	1 unit
500	25	440	with handle	•	00.701.121.1	1 unit



#### Knürr\* MetraMobil Anti-Slide Mat Set

#### Note:

Anti-slide mats are not possible at the same time with keyboard extension!

- Consists of 4 anti-slide mats
- For slide-proof storage of parts to be transported
- As scratch protection for the worktop
- Material
  - Industrial rubber, self-adhesive
- Color
  - Black

- · Supply schedule
  - 4 Anti-slide mats
- How supplied
  - Flat-packed kit

#### **Antistatic version**

- · Consisting of four anti-slip mats, antistatic, self-adhesive
- Material
  - Industrial rubber, antistatic
- Color
  - Black

W	Н	D	Antistatic	Order no.	UP
475		430		00.701.070.9	1 unit
475		430	•	00.701.170.9	1 unit



MET00040

#### Knürr<sup>®</sup> MetraMobil Keyboard Extension

- Replace "x" with the number of your color choice.
- Standard versions:

Final digit of order number .1:

RAL 7035 light grey

Final digit of order number .9:

RAL 7016 anthracite grey

ESD version: Note: ESD only in color variant .1 (light grey) Final digit of order number .1:

- RAL 7035 anti-static, light grey
- For mounting on Knürr MetraMobil worktop and worktop with handle

- With side mouse table, left/right
- Extension 200 mm

#### ESD model in accordance with EN 100015

- · Supply schedule
  - 1 Keyboard extension
  - Mounting material
- How supplied
  - Flat-packed kit
- Note
  - · With worktop with keyboard extension, an anti-slide mat is not possible!



W	Н	D	ESD Order no.	UP
505	45	200	00.701.060.x	1 unit
505	45	200	• 00.701.160.1	1 unit

#### Knürr® MetraMobil Drawer Module

- Replace "x" with the number of your color choice.
- Standard versions:

Final digit of order number .1:

RAL 7035 light grey

Final digit of order number .9:

RAL 7016 anthracite grey

- ESD version: Note: ESD only in color variant .1 (light grey) Final digit of order number .1:
  - RAL 7035 anti-static, light grey

- · For holding small material
- Including divider set
- Material/Finish
  - · Sheet steel, powder-coat textured

#### ESD model in accordance with EN 100015

- Supply schedule
  - 1 Drawer module
  - Mounting material
- How supplied
  - Flat-packed kit

w	Н	D	ESD Order no.	UP
500	165	440	00.701.001.x	1 unit
505	165	440	• 00.701.101.1	1 unit



MET00017

Dimensions in mm: W = Width

H = Height
D = Depth
h = Installation height

d = Useful depth L = Length

HU = Standard height unit, 1 HU = 44.45 mm 19"= 482.6 mm, (ideal for 19" components

in acc. with DIN 41494)
UP = Unit of packaging

ka = Weiaht

1 inch = 25,4 mm Conversion:

Replace "x" with the number of your color choice



#### Knürr<sup>®</sup> MetraMobil Rear Panel

- Replace "x" with the number of your color choice.
- Standard versions:

Final digit of order number .1:

RAL 7035 light grey

Final digit of order number .9:

• RAL 7016 anthracite grey

• ESD version:

900

1120

900

1120

380

380

380

380

Note: ESD only in color variant .1 (light grey)

Final digit of order number .1:

• RAL 7035 anti-static, light grey

- With cable entry
- ESD model in accordance with EN 100015
- Material/Finish
  - Sheet steel, powder-coat textured
- Supply schedule
  - 1 Rear panel
  - Mounting material
- How supplied
  - Flat-packed kit

ESD	Order no.	UP
	00.701.010.x	1 unit
	00.701.011.x	1 unit
•	00.701.110.1	1 unit

00.701.111.1

1 unit



MET00033

#### Knürr® MetraMobil Cable Management Set

- Consists of:
  - Di-Strip socket strip, 4-way, without switch
  - Strain relief
  - Two cable reel elements

- Supply schedule
  - 1 Cable management set
  - Mounting material
- How supplied
  - Flat-packed kit

Order no.	UP
00.701.050.1	1 unit



MET00037

#### Knürr<sup>®</sup> MetraMobil Castor Set

- Load rating, 750 N per castor, Ø 125 mm
- Color
  - RAL 9011, graphite black

- Supply schedule
  - 4 smooth-running castors,
  - 2 with brake

ESD	Order no.	UP
	00.701.965.9	1 unit
•	00.128.975.9	1 unit



MET00021

# **Mobile Equipment Carriers**

Accessories

(for DacoMobile and MetraMobil)

Page 28 to 31





#### Spring nuts M5 and M6

- For clipping into T-slots at any positionFor mounting chassis rails and other components

#### • Material

• Steel, St 1203 Spring band, Nirosta 4310

#### Supply schedule

• 50 spring nuts

W	н	D	Model	Order no.	UP
			M6	01.350.405.9	1 unit
			M5	01.350.431.9	1 unit



MEC00060

#### **Antistatic Castor Set**

- Load capacity 90 kg
- Color
  - RAL 9011, graphite black

Sur	nlv	sche	adule

- 4 smooth-running castors
- 2 with brake



Type	Color	Diameter	Order no.	UP
ESD	Black	125	00.128.975.9	1 unit

MOB20083

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

HU = Standard height unit, 1 HU = 44.45 mm 19"= 482.6 mm, (ideal for 19" components in acc. with DIN 41494) UP = Unit of packaging kg = Weight

Conversion: 1 inch = 25,4 mm Replace "x" with the number of your color choice

## Cable routing set Mounting on the vertical extrusions

- Material
  - Plastic
- Color
  - RAL 7035, light grey

- Supply schedule
  - 1 cable routing set
  - Mounting material

w	н	D		Order no.	UP
	500			00.101.001.9	1 unit



MOB00331

## Cable Winder For up to 5 m of cable

- Material
  - Plastic
- Color
  - RAL 7035 light grey

•	Supply	schedule
	PP-)	

- 2 Cable winders
- Mounting material

W	н	D	Order no.	UP
	-		00.306.9571	1 unit



MOB00338

#### **Isolating Transformers**

**NTC:** For switch-on peak limit are NTCs in the input power circuit before the transformer.

Basis of EC Declaration of Conformity in acc. with Directive 93/42 EEC, Annex I:

- EN60601-1, EN60601-1-1
- EN60601-1-1-2 (EMC)
- EN14971

- Supply schedule
  - 1 isolating transformer
  - 1 mains cable, 2.5 m with protective contact plug
- How supplied
  - Flat-packed kit
- Note
  - Further versions and leakage detectors on request





MOB20099



#### Side Shelf

#### For Knürr DacoMobile and Knürr EliMobil

#### • Material

• Laminated 3-layer particle board Folding brackets: sheet steel Finish: RAL 7035 light grey

#### • Delievery Schedule

- 1 side shelf
- 1 set of folding brackets
- Mounting hardware

w	н	D		Order no.	UP
300		400		00.101.250.1	1 unit



MOB20053

#### **Multi-Functional Extrusions for Flat Screen Supports**

- For mounting between the Knürr Mobile vertical extrusions
- Sturdy and stable Knürr TFT Adapter connection

#### Note

• TFT adapters are not included in the supply schedule, please order separately

#### Material

- Extruded aluminum extrusions
- Sheet steel mounting plates

#### • Finish

• Metal parts - powder-coated, RAL 9006, white aluminum

#### How supplied

• Flat-packed kit

#### • Supply schedule

- 2 Funktional rails
- Mounting material





MOB20061

W	Model	Order no.	UP
496	Knürr® DacoMobile	00.101.007.9	1 unit
596	Knürr® DacoMobile	00.101.008.9	1 unit
500	Knürr® MetraMobil	00.701.055.9	1 unit

H = Width
H = Height
D = Depth
h = Installation height
d = Useful depth
L = Length

HU = Standard height unit, 1 HU = 44.45 mm 19"= 482.6 mm, (ideal for 19" components in acc. with DIN 41494) UP = Unit of packaging

Conversion: 1 inch = 25,4 mm

Replace "x" with the number of your

#### Right from the very beginning

## PROJECT MANAGEMENT

Take advantage of our expert knowledge, which we have been gathering for decades in numerous customer projects in various industries.

Our **project managers** are your contact partners. They are the interface to you and are responsible for the project planning in accordance with your individual requirements profile. Depending on the complexity of the task at hand, they put together a **professional team** of specialists from the most diverse disciplines. Numerous factors are incorporated – from the creation of a list of functional specifications, budgeting and deadline

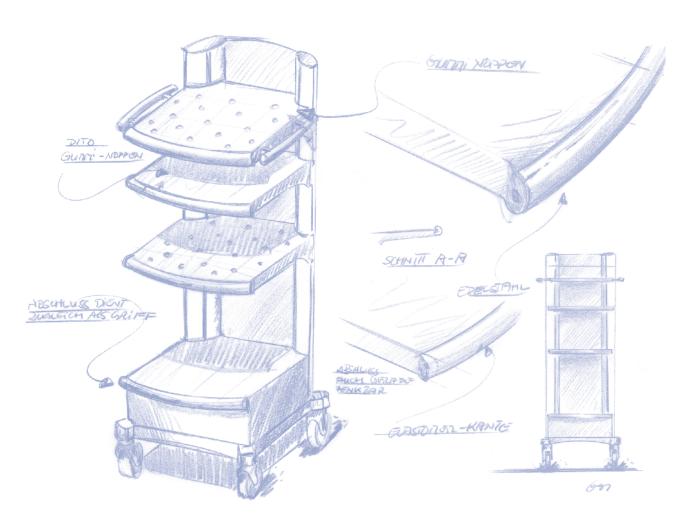
planning, through to special design specifications and technical integration, right on through to compliance with standards and guidelines.

During the **product design** phase, industrial designers and technicians work closely together to harmonize form and function. With the assistance of 3D-CAD models, you check the result and can integrate your suggestions at any time.

**Prototyping** is also firmly in the hands of experts who are hard at work incorporating your requests and suggestions into an initial specific product.







#### **Design and function**

#### **DESIGN**

Using the most modern CAD applications, we design your products, which set new standards in terms of technology and aesthetics. On the basis of the planned details, 3-D views, design studies and volume models emerge, which represent the most realistic state of development progress and enable modifications in line with your wishes at absolutely any time.

Your company-own corporate design is also integrated with our proposals for materials and color. Ultimately we ensure a smooth technical and technological integration while complying with UL, CSA, VDE or TÜV/GS standards. Only when these stages have been fully completed, can the first prototype be produced.



#### **Exemplary results**

## **PRODUCTION AND LOGISTIC**

After production release by the customer our sophisticated **logistics concepts** go into operation.

Customized planning procedures are integrated and smoothly implemented in our **Supply Chain**Management.

We produce application-specific equipment trolleys in ultra-modern **industrial production procedures**.

And in the production phase our employees guarantee the best possible end product with their long years of experience in parts production, packaging and shipping, supported by our integrated **quality assurance procedures**.

This also includes extensive **packaging expertise**, equipped for global shipping and the toughest environmental conditions.









#### OEM

## INDIVIDUAL SOLUTION

Our standard modules mean the possibilities for unique originals are practically unlimited.

Help us with your requests! Ask us about your original and stand out on the market with your equipment trolley with customized design, harmonized with your company image (CI/CD). Our expert Design and Technology Team will be happy to optimally and specifically meet all customerspecific requirements — assuming the appropriate batch sizes.

"Avail of our long years of **experience**, which we use to ergonomically, technically and optimally incorporate our mature and flexibly adjusted product platforms and components into your **individual solution**."





## **Our Quality Promise:**



## **Ergonomically designed products and solutions from a single source**

**Knürr** is worldwide known as competent and reliable partner for holistic control room solutions and mobile equipment carrier. The ergonomically designed products are internationally in use and convince in demanding 24h-Mission-Critical Control Room environment of multiple industrial sectors

Learn more about Knürr solutions and services at www.knuerr-consoles.com.

#### Knürr GmbH

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## KNÜRR® MOBILE EQUIPMENT CARRIERS

Notes:



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