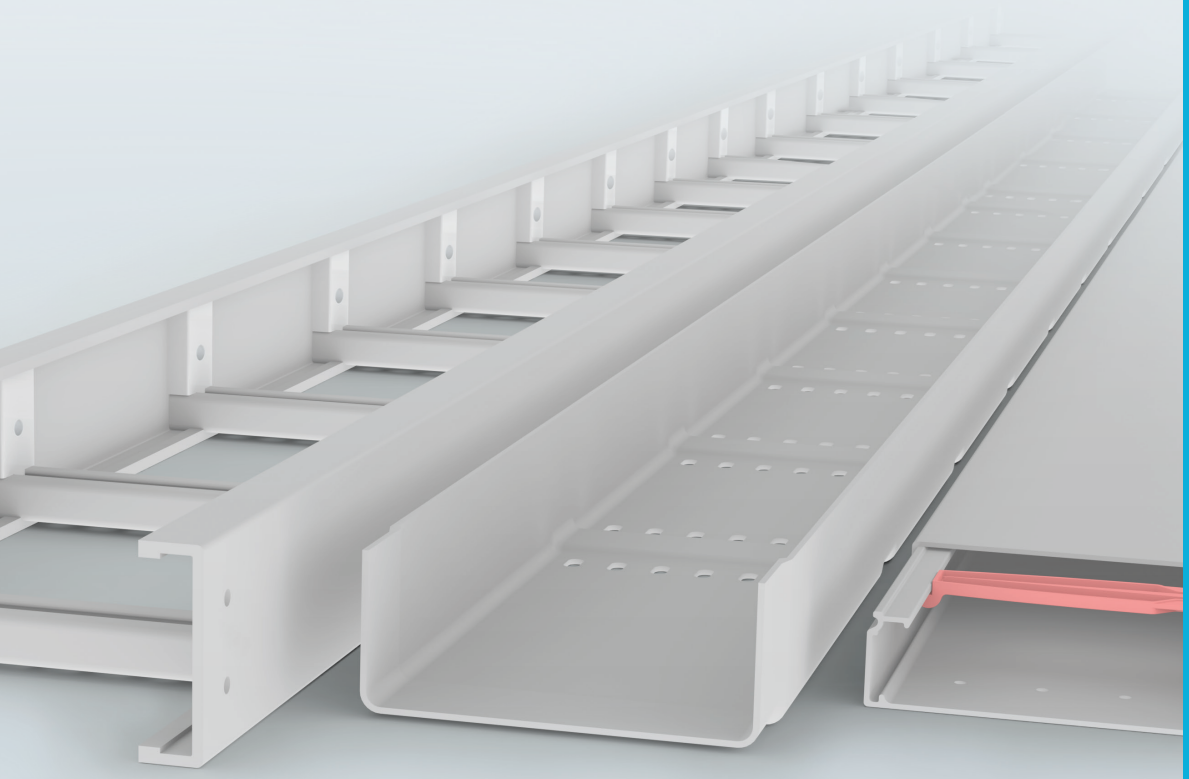
NIEDAX
Ebo Systems

GRP

CABLE SUPPORT SYSTEMS



Cable Support Systems in Glass Reinforced Polyester

are characterized by their extreme resistance because no other material is as strong as fiberglass reinforced polyester. In extreme conditions such as heat, sunlight (UV), cold or exposure to chemicals, material performs its function and for many years.

Qualities and advantages

- high temperature resistance (-80 ° C à +130 ° C)
- high mechanical resistance
- high chemical resistance
- high dielectric strength
- corrosion resistance
- extremely insulating material
- halogen free
- UV resistance
- food security
- low weight
- low thermal conductivity
- simple and without burr when changes
- extraordinary long lifetime
- self-extinguishing material
- no electrolytic corrosion
- no need to earth
- without toxic fumes
- optimal transportation and handling

The GRP cable support systems offer maximum flexibility and cost-effectiveness. The wide-ranging programme guarantees that the different applications for line and cable routing are covered. Special dimensions are possible on request.

Accessories specially adapted to the systems as well as the large range of standard fittings enable a simple and flexible installation technique. This means that horizontal and vertical changes of direction can be made on site without any problems.

Ebo has been certified since 1994 according to ISO 9001.
What does it mean for you as a client:

- ongoing evaluation and classification of suppliers
- the systematic control of raw materials and semi-finished goods receipt
- a regular review of technical data of materials in the laboratory
- perfect control of the manufacturing
- monitoring of the manufacturing process
- final inspection before shipment

Other certificates are available on our web site: www.niedax.com

! When processing our GRP products, we recommend wearing protective clothing:
Safety gloves, safety goggles, filter mask and long-sleeved cotton shirts and trousers,
to avoid possible skin irritation due to dusts.

SYSTEMS AT A GLANCE

Cable Trays System K²

20 50 80 110 In the side heights 50 - 600 mm K23

- Mechanical strength due to special resin mixture
- Made of pressed fiber mats with long glass fibers
- Self-adjusting socket connection, no screws required
- 20 Cable tray dimensions with and without perforation
- 187 Fittings available
- Maximum fastening spacing 1.5 m

Application areas

including sewage treatment plants, PV / solar plants, chemical industry, onshore/offshore, tunnels, solar and photovoltaic facilities, industrial plants, power stations, mines, agricultural operations and food production

Cable Trays System KP

40 50 80 In the side heights 60 - 300 mm K23

- Made from pultruded glass fibers
- With clip connector, no screws necessary
- Automatic regulation of the expansion distance using clip connector KPGH...
- Cable trays with and without perforation
- Snap-on and form-fitting lid
- Maximum fastening spacing 4 m

Application areas

including sewage treatment plants, PV / solar plants, chemical industry, onshore/offshore, tunnels, solar and photovoltaic facilities, industrial plants, power stations, mines, agricultural operations and food production

Cable Ladder System UL

53 80 100 150 In the side heights 150 - 900 mm K23

- Made from pultruded glass fibers
- 30 Cable ladder dimensions
- Delivery assembled as standard
- Screwless assembly possible on site
- Considerable reduction in freight costs
- No metal connecting parts through patented clamp fastening of the rungs
- No damage to the cables during cable pulling
- Higher vibration resistance
- Turned rungs possible
- Fittings for all requirements
- Maximum fastening spacing 5 m

Application areas

including sewage treatment plants, PV / solar plants, chemical industry, onshore/offshore, tunnels, solar and photovoltaic facilities, industrial plants, power stations, mines, agricultural operations and food production

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Cable Routing Ducts System LFG

40 50 80 In the side heights 57 - 300 mm K23

- Made from pultruded glass fibers
- 8 Channel dimensions
- Secure cable retention using clamp technology
- Extreme resistance

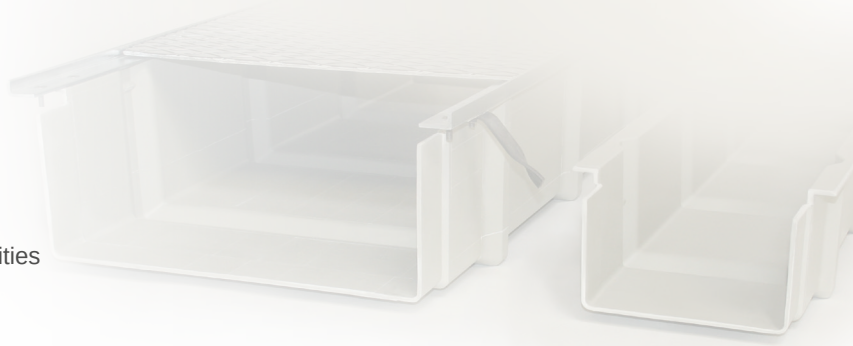
Application areas

including sewage treatment plants, stables, refineries, onshore, offshore platforms, PV systems, tunnel constructions, on building sites or in the food industry

Walkable Floor Duct System BK/BKS

140 155 176 191 In the side heights 200 - 400 mm K23

- Made from pressed glass fiber mats
- Socket connection, no screws necessary
- Pre-assembled fixing anchors
- Frost-resistant and particularly resistant to loads



Application areas

including bridge structures, tunnels, mines or port facilities

Stand System SP

150 In the side heights 150 - 250 mm K23

- Made from pultruded glass fibers
- Electrically non-conductive, no earthing required
- Low dead weight
- Electrical strength 30 kV with certificate from IPH Berlin

Application areas

including rail transport and rail technology

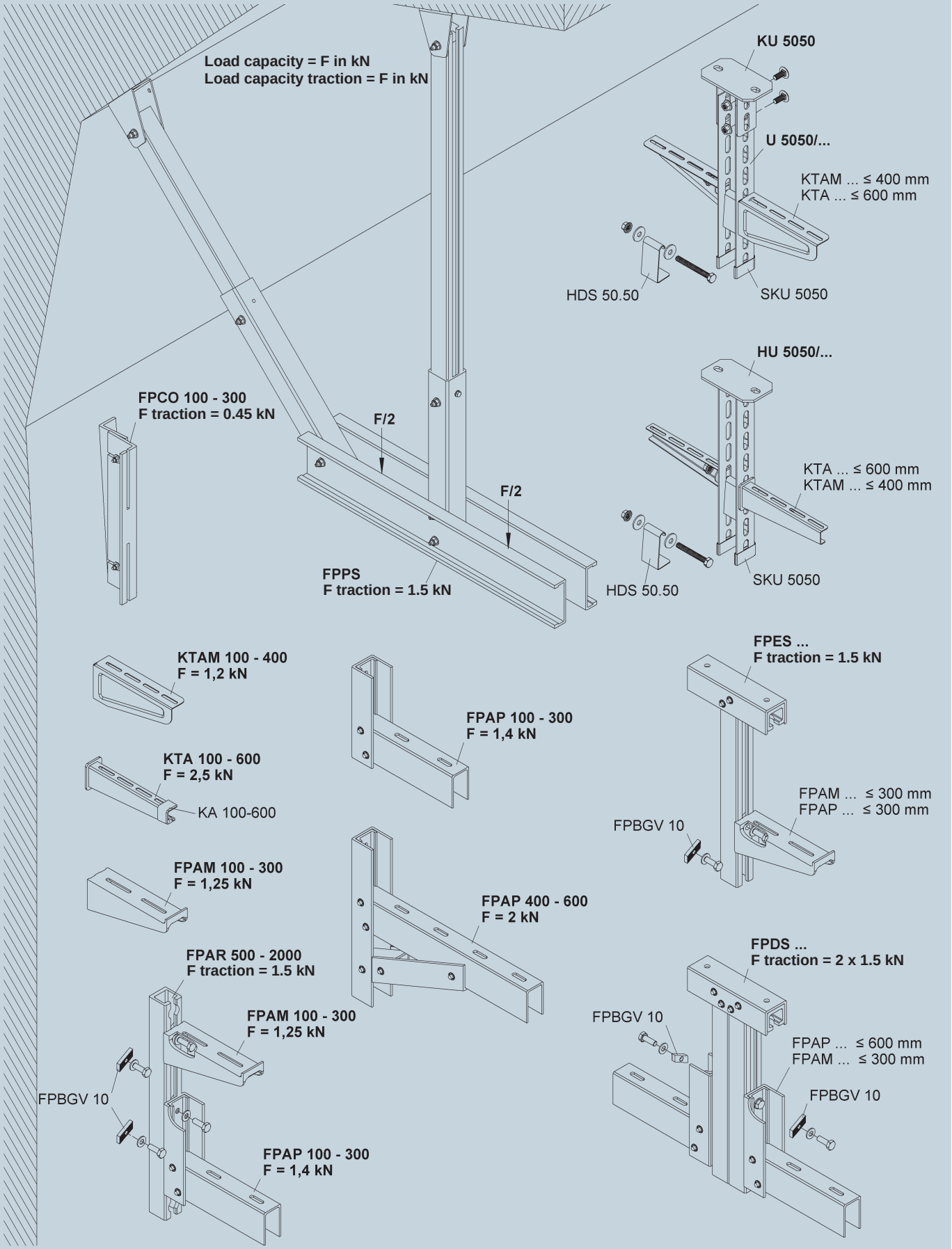
Handrail Systems TUBE and MC

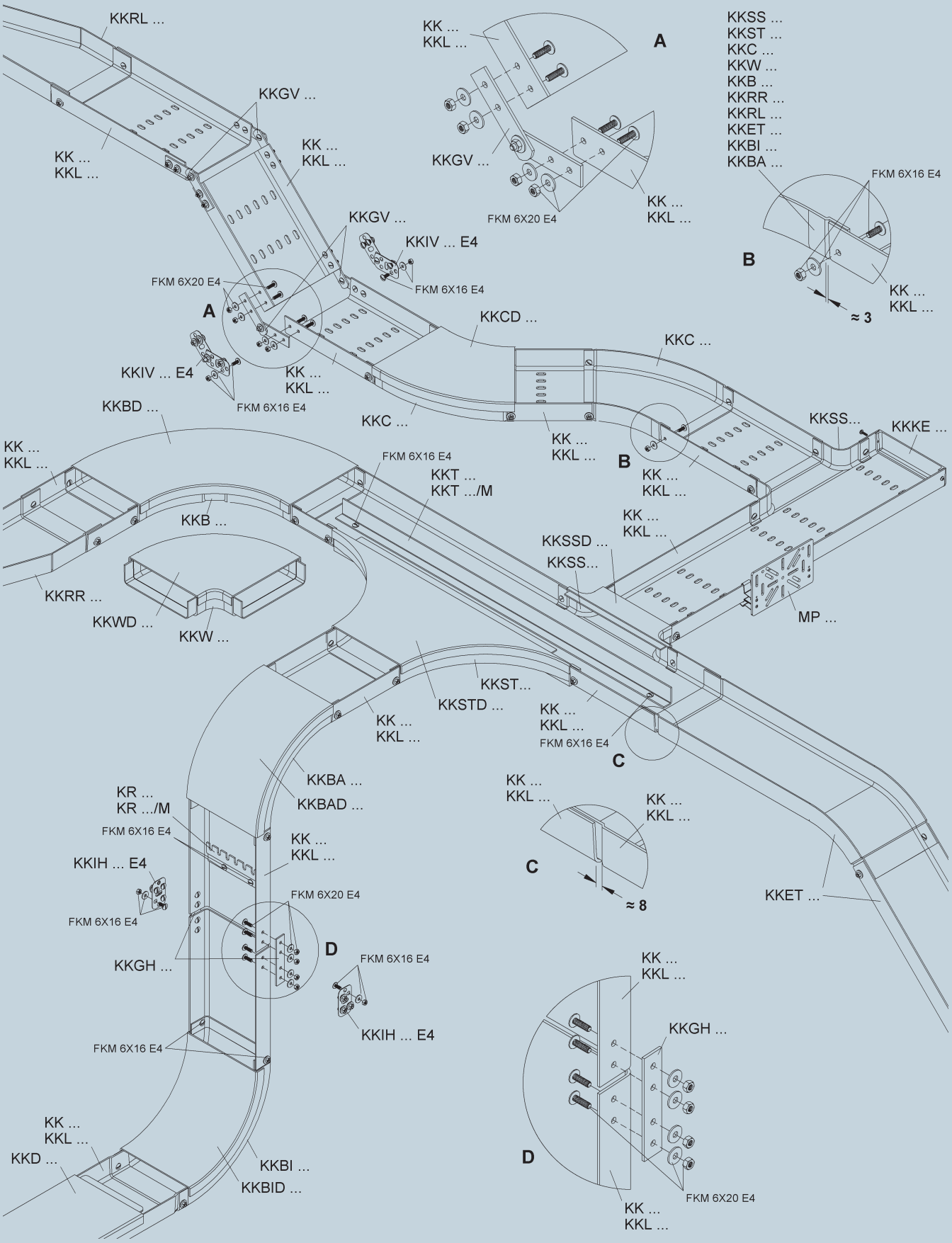
K23

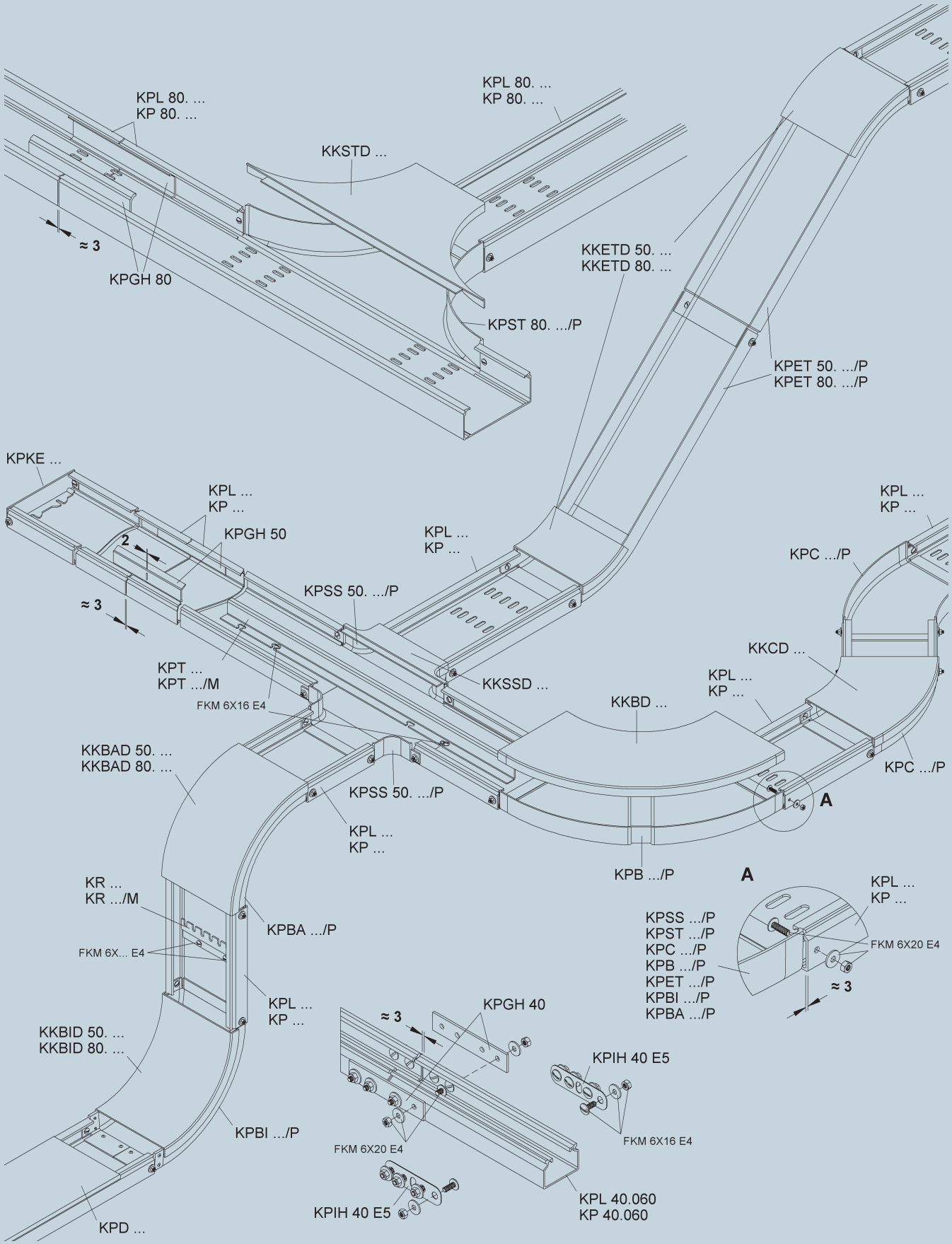
- Made from pultruded glass fibers
- Normal flammability and self-extinguishing
- Low thermal conductivity
- Maximum fastening spacing 1.5 m

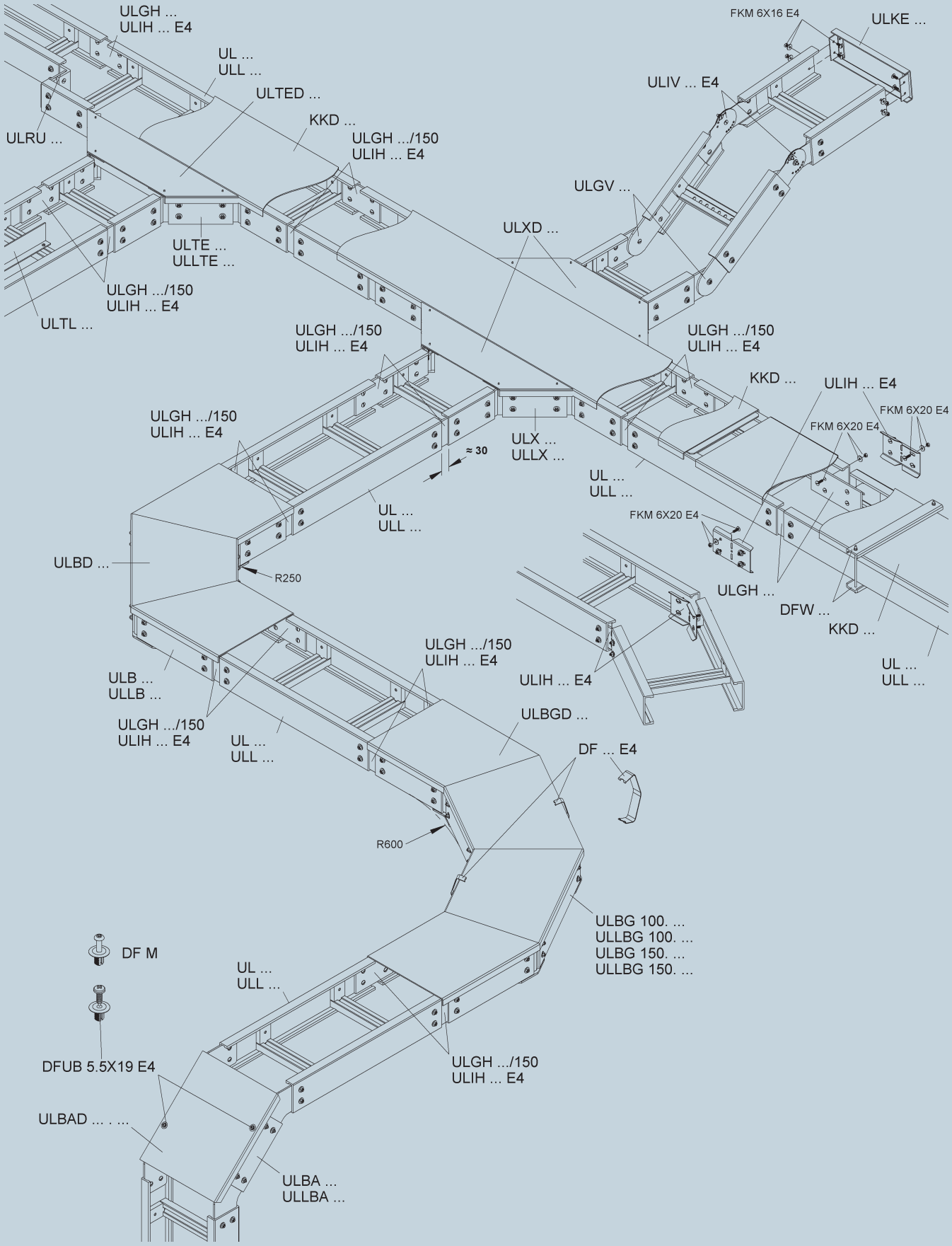
Application areas

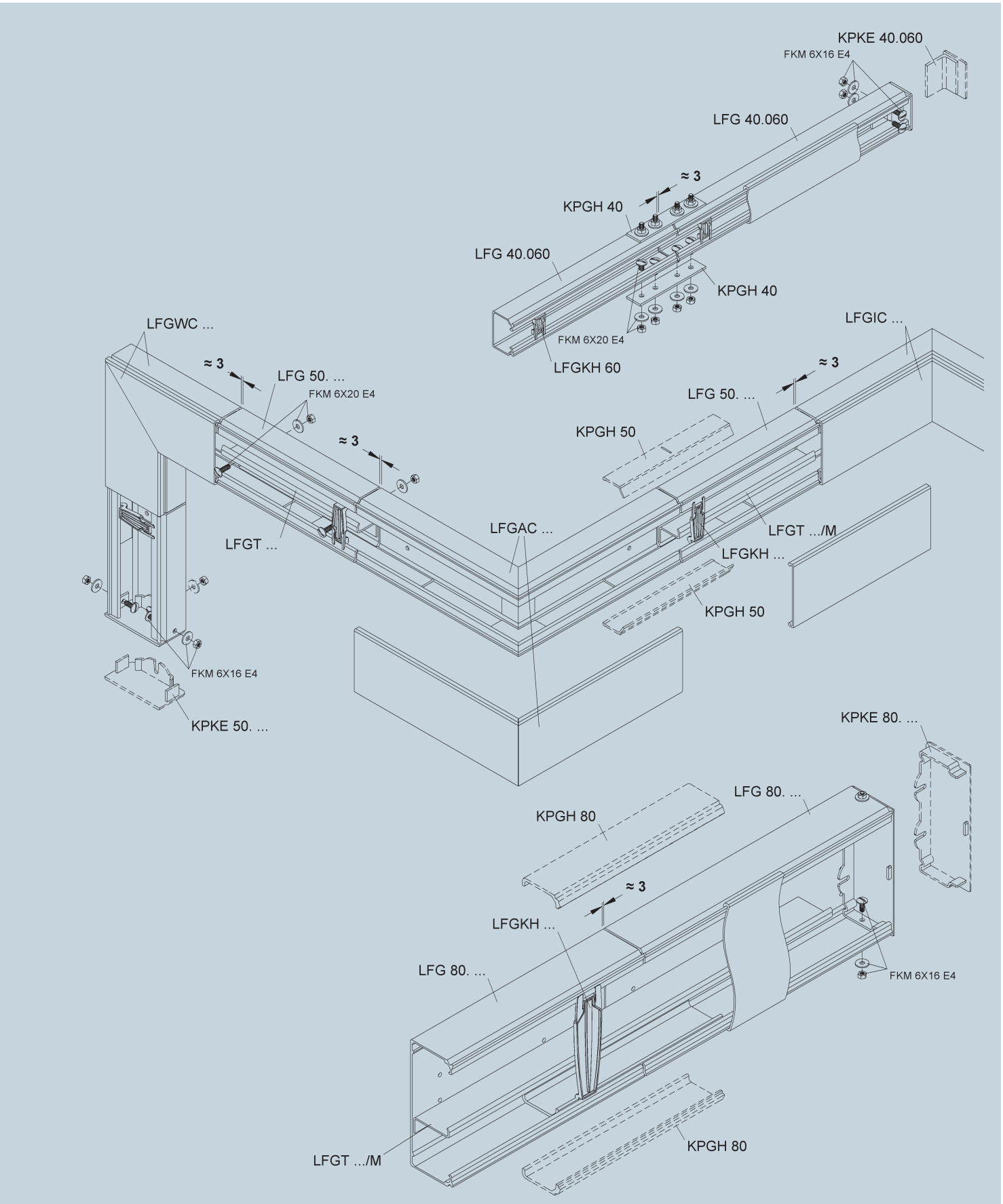
including industrial and tunnel systems


Load capacity = F in kN
Load capacity traction = F in kN
KU 5050
U 5050/...
KTAM ... ≤ 400 mm
KTA ... ≤ 600 mm
HDS 50.50
SKU 5050
HU 5050/...
KTA ... ≤ 600 mm
KTAM ... ≤ 400 mm
SKU 5050
HDS 50.50
FPCO 100 - 300
F traction = 0.45 kN
F/2
F/2
FPPS
F traction = 1.5 kN
KTAM 100 - 400
F = 1,2 kN
KTA 100 - 600
F = 2,5 kN
KA 100-600
FPAM 100 - 300
F = 1,25 kN
FPAR 500 - 2000
F traction = 1.5 kN
FPAM 100 - 300
F = 1,25 kN
FPBGV 10
FPAP 100 - 300
F = 1,4 kN
FPAP 100 - 300
F = 1,4 kN
FPAP 400 - 600
F = 2 kN
FPES ...
F traction = 1.5 kN
FPAM ... ≤ 300 mm
FPAP ... ≤ 300 mm
FPBGV 10
FPDS ...
F traction = 2 x 1.5 kN
FPBGV 10
FPAP ... ≤ 600 mm
FPAM ... ≤ 300 mm
FPBGV 10


KKRL ...
KKGV ...
KK ...
KKL ...
KKGV ...
KKIV ... E4
FKM 6X16 E4
FKM 6X20 E4
A
KKIV ... E4
FKM 6X16 E4
KK ...
KKL ...
KKCD ...
KKC ...
KKC ...
KK ...
KKL ...
KKBD ...
KK ...
KKL ...
FKM 6X16 E4
KKT ...
KKT .../M
KKB ...
KKRR ...
KKWD ...
KKW ...
B
KK ...
KKL ...
KKSS...
KKKE ...
KK ...
KKL ...
KKSSD ...
KKSS...
MP ...
KKST...
KKSTD ...
KK ...
KKL ...
FKM 6X16 E4
C
KKBA ...
KKBAD ...
KR ...
KR .../M
FKM 6X16 E4
KK ...
KKL ...
KKIH ... E4
FKM 6X16 E4
FKM 6X20 E4
KKGH ...
D
FKM 6X16 E4
KKIH ... E4
FKM 6X16 E4
KK ...
KKL ...
KKD ...
KKBI ...
KKBID ...
KKSS ...
KKST ...
KKC ...
KKW ...
KKB ...
KKRR ...
KKRL ...
KKET ...
KKBI ...
KKBA ...
FKM 6X16 E4
B
≈ 3
KK ...
KKL ...
KK ...
KKL ...
KKGV ...
FKM 6X20 E4
KK ...
KKL ...
KK ...
KKL ...
C
≈ 8
KKET ...
KK ...
KKL ...
KKGH ...
D
FKM 6X20 E4
KK ...
KKL ...

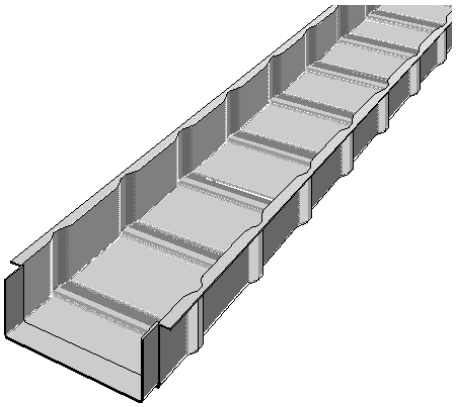

KPL 80. ...
KP 80. ...
KKSTD ...
KPL 80. ...
KP 80. ...
≈ 3
KPGH 80
KKETD 50. ...
KKETD 80. ...
KPST 80. .../P
KPET 50. .../P
KPET 80. .../P
KPKE ...
KPL ...
KP ...
KPGH 50
2
≈ 3
KPT ...
KPT .../M
FKM 6X16 E4
KPSS 50. .../P
KPL ...
KP ...
KKSSD ...
KKBD ...
KPC .../P
KKCD ...
KKBAD 50. ...
KKBAD 80. ...
KPSS 50. .../P
KPL ...
KP ...
KPB .../P
A
KR ...
KR .../M
KPBA .../P
FKM 6X... E4
KPL ...
KP ...
KKBID 50. ...
KKBID 80. ...
KPBI .../P
KPD ...
≈ 3
KPGH 40
KPIH 40 E5
FKM 6X20 E4
FKM 6X16 E4
KPIH 40 E5
KPL 40.060
KP 40.060
KPSS .../P
KPST .../P
KPC .../P
KPB .../P
KPET .../P
KPBI .../P
KPBA .../P
FKM 6X20 E4
≈ 3

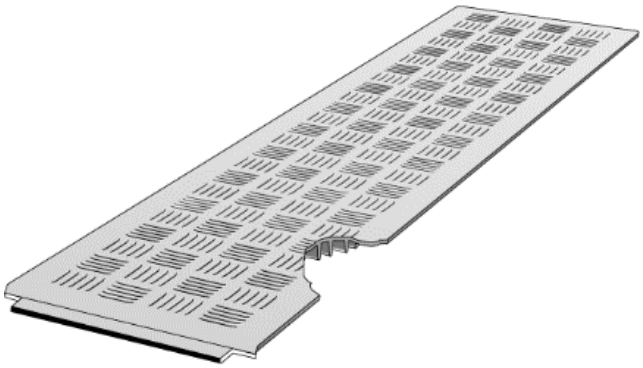

ULGH ...
ULIH ... E4
UL ...
ULL ...
ULTED ...
KKD ...
ULRU ...
ULGH .../150
ULIH ... E4
ULTE ...
ULLTE ...
ULGH .../150
ULIH ... E4
ULTL ...
ULXD ...
FKM 6X16 E4
ULKE ...
ULIV ... E4
ULGV ...
ULGH .../150
ULIH ... E4
ULGH .../150
ULIH ... E4
KKD ...
ULIH ... E4
FKM 6X20 E4
FKM 6X20 E4
ULGH .../150
ULIH ... E4
≈ 30
ULX ...
ULLX ...
UL ...
ULL ...
UL ...
ULL ...
FKM 6X20 E4
ULBD ...
R250
ULGH ...
DFW ...
KKD ...
UL ...
ULL ...
ULGH .../150
ULIH ... E4
ULIH ... E4
ULB ...
ULLB ...
ULBGD ...
ULGH .../150
ULIH ... E4
UL ...
ULL ...
DF ... E4
R600
ULBG 100. ...
ULLBG 100. ...
ULBG 150. ...
ULLBG 150. ...
DF M
UL ...
ULL ...
DFUB 5.5X19 E4
ULGH .../150
ULIH ... E4
ULBAD ... .
ULBA ...
ULLBA ...

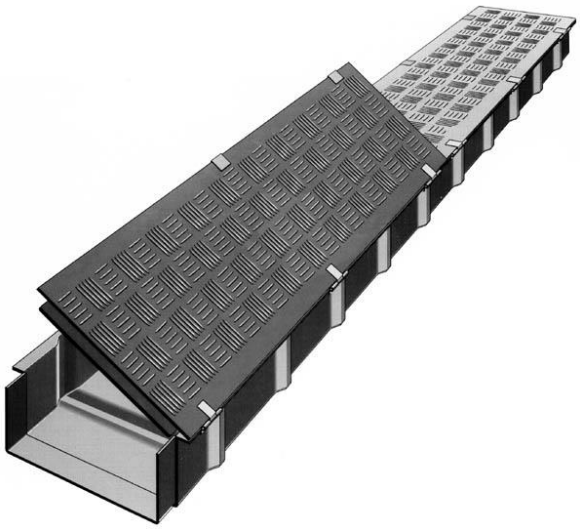

KPKE 40.060
FKM 6X16 E4
LFG 40.060
≈ 3
KPGH 40
LFG 40.060
KPGH 40
FKM 6X20 E4
LFGKH 60
LFGWC ...
≈ 3
LFG 50. ...
FKM 6X20 E4
≈ 3
LFGT ...
LFGIC ...
≈ 3
LFG 50. ...
KPGH 50
LFGAC ...
LFGT .../M
LFGKH ...
KPGH 50
FKM 6X16 E4
KPKE 50. ...
KPKE 80. ...
LFG 80. ...
KPGH 80
≈ 3
LFGKH ...
LFG 80. ...
FKM 6X16 E4
LFGT .../M
KPGH 80

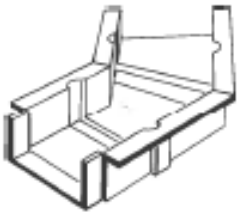
Walkable Floor Duct System BK/BKS

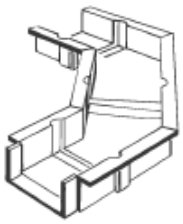
140 155 176 191 In the side heights 200 - 400 mm K23

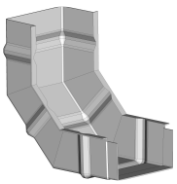


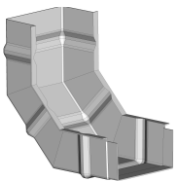


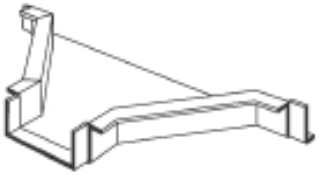


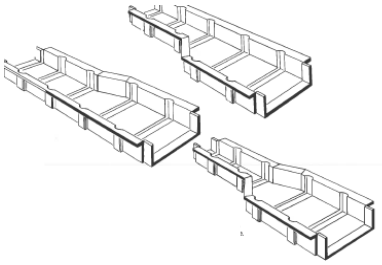


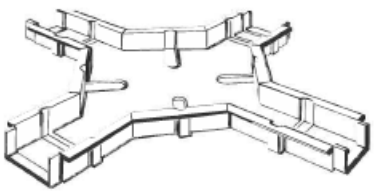






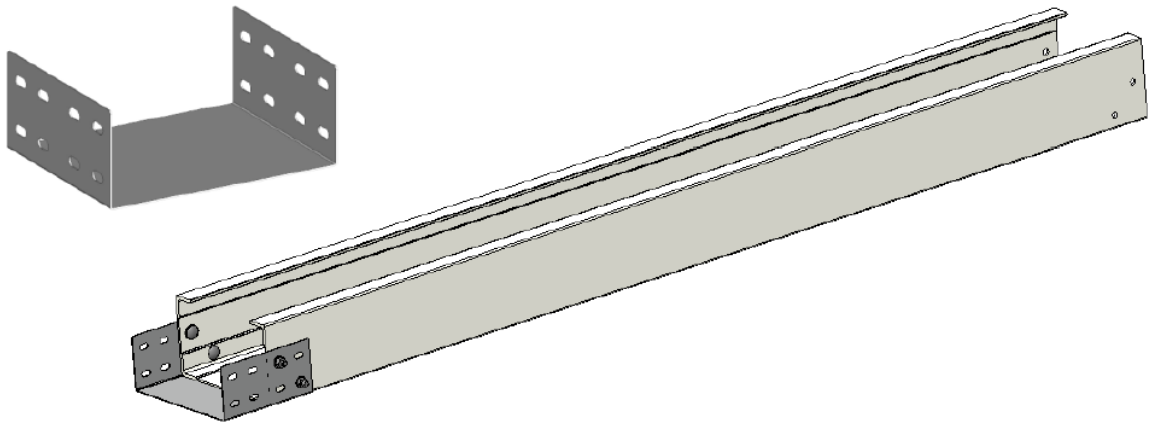


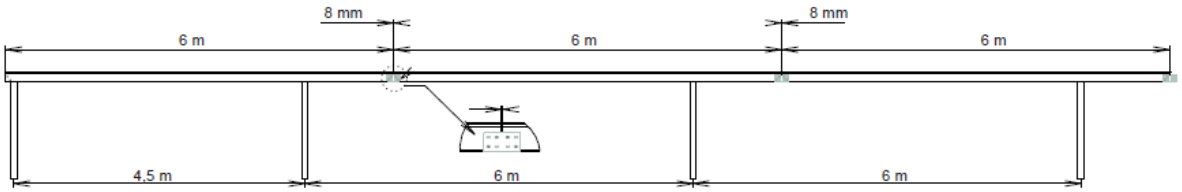




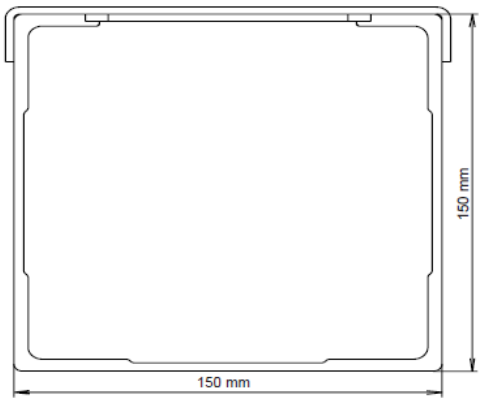
Stand System SP

150 In the side heights 150 - 250 mm K23



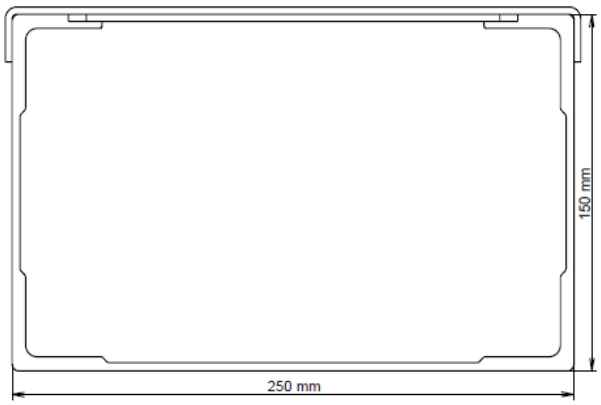


150 mm

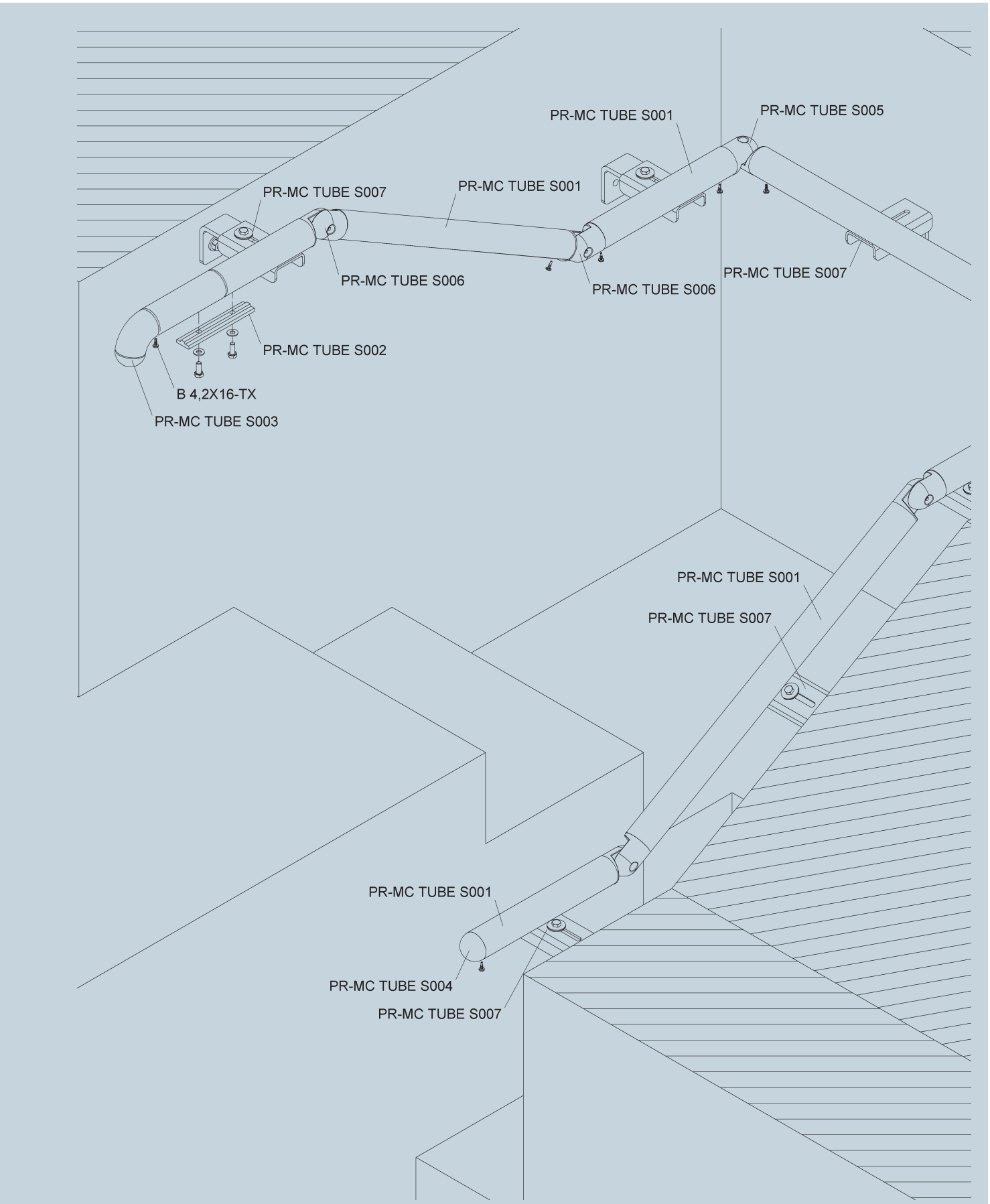


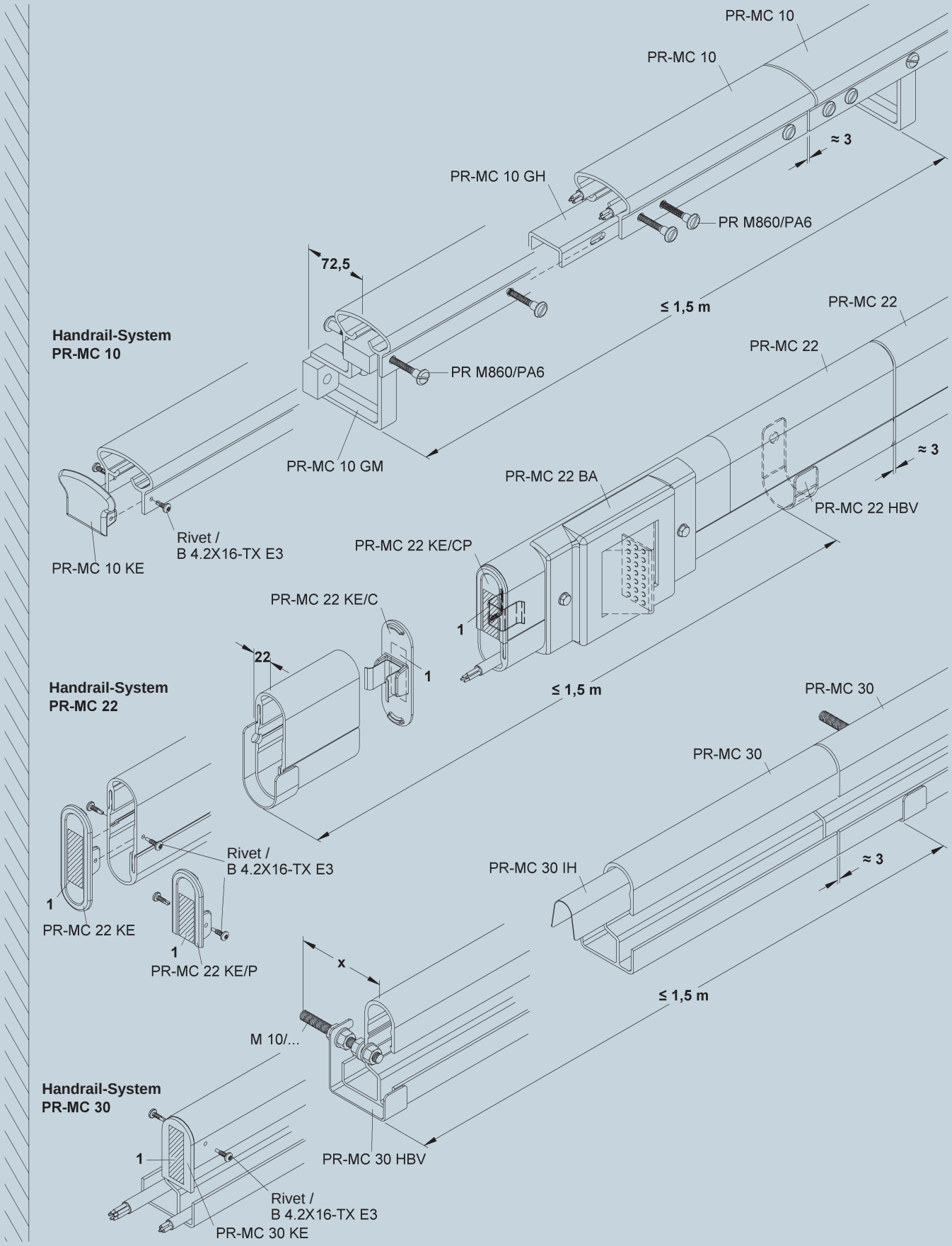
Gr. I

250 mm



Gr. II


PR-MC TUBE S001
PR-MC TUBE S005
PR-MC TUBE S007
PR-MC TUBE S001
PR-MC TUBE S006
PR-MC TUBE S006
PR-MC TUBE S007
PR-MC TUBE S002
B 4,2X16-TX
PR-MC TUBE S003
PR-MC TUBE S001
PR-MC TUBE S007
PR-MC TUBE S001
PR-MC TUBE S004
PR-MC TUBE S007


Handrail-System
PR-MC 10
PR-MC 10
PR-MC 10
≈ 3
PR-MC 10 GH
PR M860/PA6
72,5
≤ 1,5 m
PR M860/PA6
PR-MC 10 GM
PR-MC 10 KE
Rivet /
B 4.2X16-TX E3
Handrail-System
PR-MC 22
PR-MC 22
PR-MC 22
≈ 3
PR-MC 22 BA
PR-MC 22 HBV
PR-MC 22 KE/CP
1
PR-MC 22 KE/C
22
1
≤ 1,5 m
Handrail-System
PR-MC 30
PR-MC 30
PR-MC 30
≈ 3
PR-MC 30 IH
Rivet /
B 4.2X16-TX E3
1
PR-MC 22 KE
1
PR-MC 22 KE/P
≤ 1,5 m
x
M 10/...
Handrail-System
PR-MC 30
1
PR-MC 30 HBV
Rivet /
B 4.2X16-TX E3
PR-MC 30 KE

by NIEDAX GROUP

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