

mecanotek

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SMART-LEAN SYSTEM

New tasks or processes require adaptive production systems. Mobility and flexibility are the most important demands to perform the permanently changing tasks properly: Technical implementation with our flexible modular system according to the Kaizen Principle.



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SMART LEAN SYSTEM | TUBE CONNECTION TECHNOLOGY

Flexible modular system according to the Kaizen Principle

Modular tube system with a single tube diameter
in aluminium or stainless steel

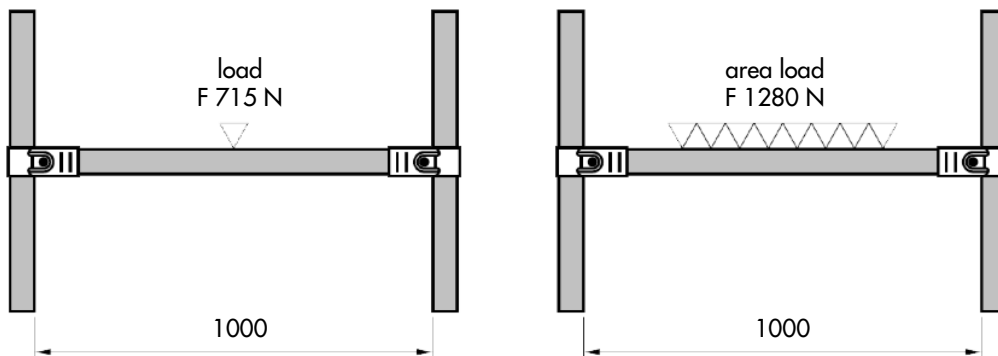
Connection without processing

High degree of flexibility, efficiency and time savings

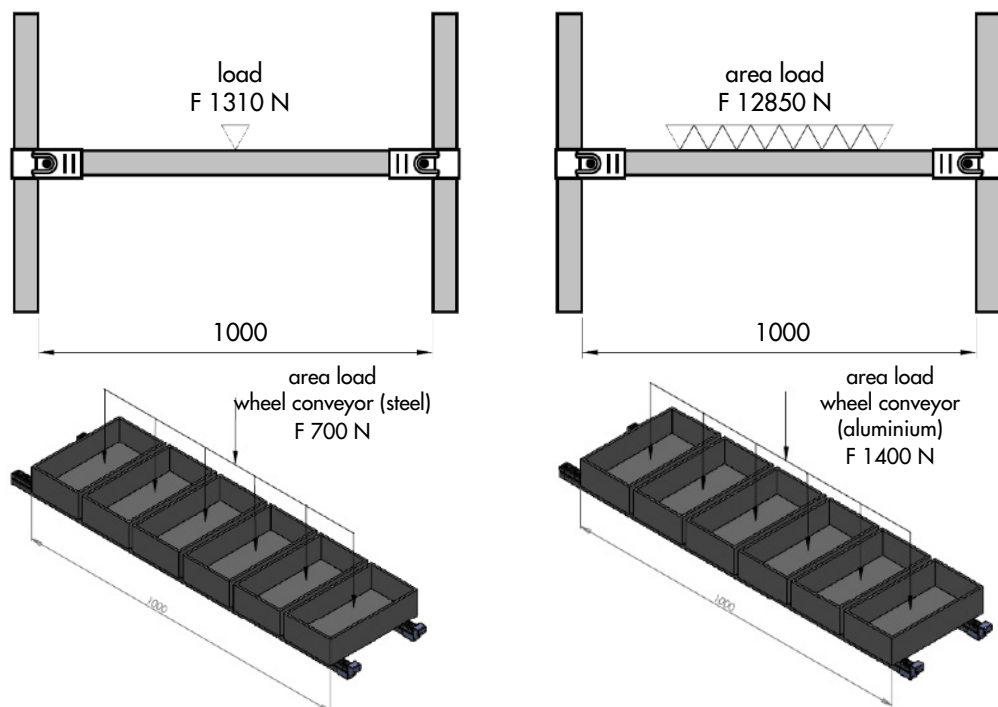
Conductive material design per DIN EN 61340-5-1;  suitable for use in ESD protected zones.

Can be combined with our construction profile system modules
(as well as other systems, e.g. profile grid 40 or profile grid 45)

Flexural strength tube aluminium 28 x 2 mm



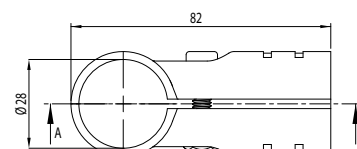
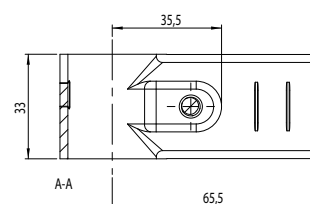
Flexural strength tube V2A 28 x 1,5 mm



**SMART-LEAN CONNECTOR 90°**

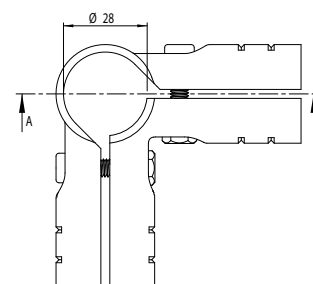
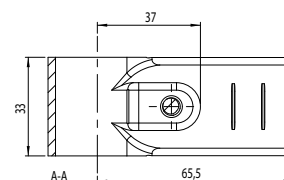
Article no.: 801005

Material Nickel-plated steel

**SMART-LEAN CONNECTOR | 90° corner connector**

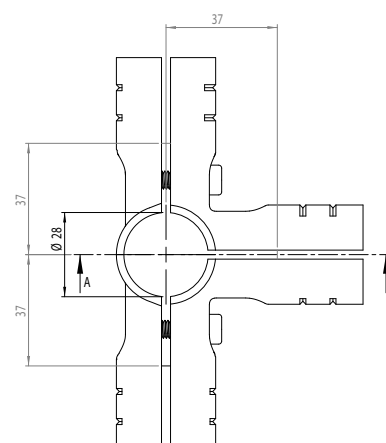
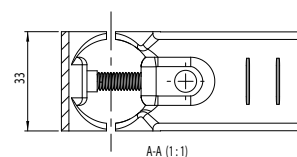
Article no.: 801010

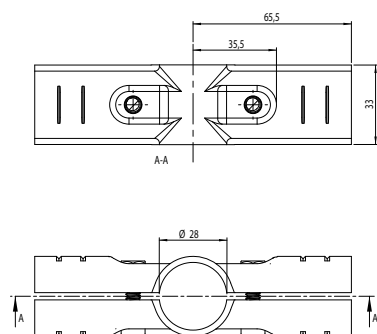
Material Nickel-plated steel

**SMART-LEAN CONNECTOR | T-connector**

Article no.: 801015

Material Nickel-plated steel





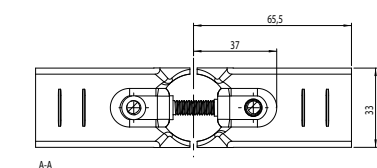
SMART-LEAN CONNECTOR | Axial connector



Article no.: 801020

Material

Nickel-plated steel



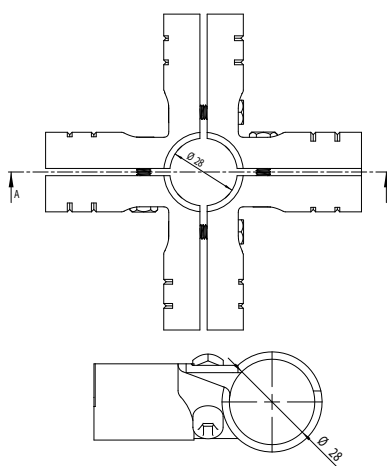
SMART-LEAN CONNECTOR | Cross-connector



Article no.: 801025

Material

Nickel-plated steel



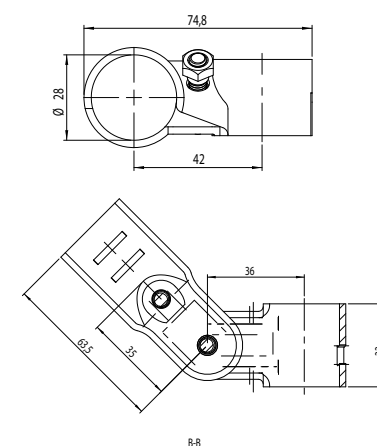
SMART-LEAN CONNECTOR | Tangent connector



Article no.: 801030

Material

Nickel-plated steel



SMART-LEAN CONNECTOR | Joint connector



Article no.: 801035

Material

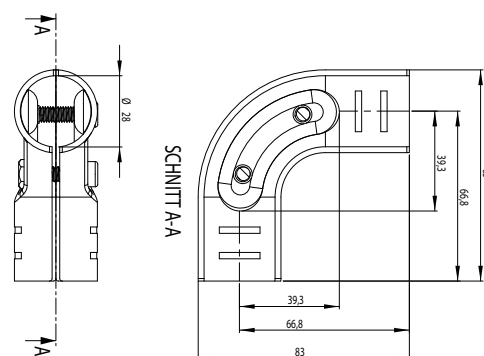
Nickel-plated steel



**SMART-LEAN CONNECTOR | 90° elbow**

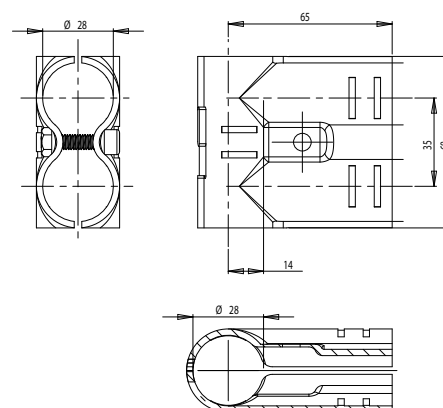
Article no.: 801040

Material Nickel-plated steel

**SMART-LEAN CONNECTOR**
Parallel axial connector

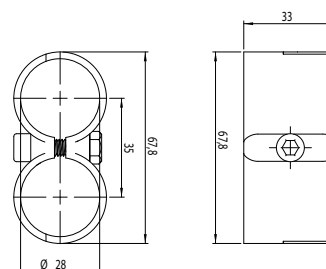
Article no.: 801045

Material Nickel-plated steel

**SMART-LEAN CONNECTOR**
Parallel connector

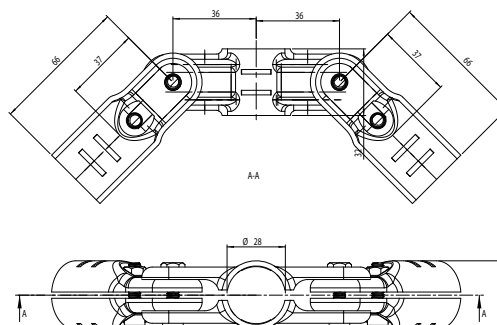
Article no.: 801050

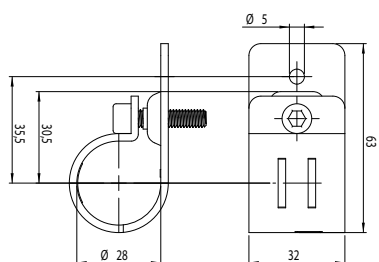
Material Nickel-plated steel

**SMART LEAN CONNECTOR**
Double-joint connector

Article no.: 801055

Material Nickel-plated steel





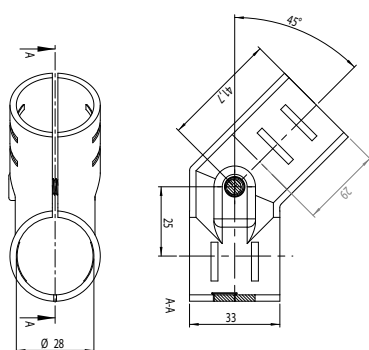
SMART-LEAN CONNECTOR | Repository connector



Article no.: 801060

Material

Nickel-plated steel



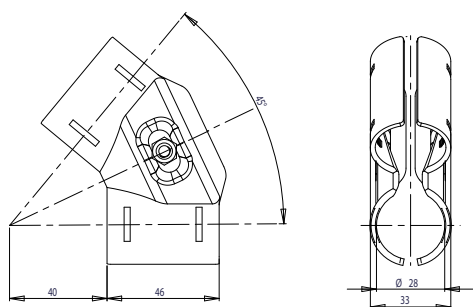
SMART-LEAN CONNECTOR | 45° connector



Article no.: 801065

Material

Nickel-plated steel



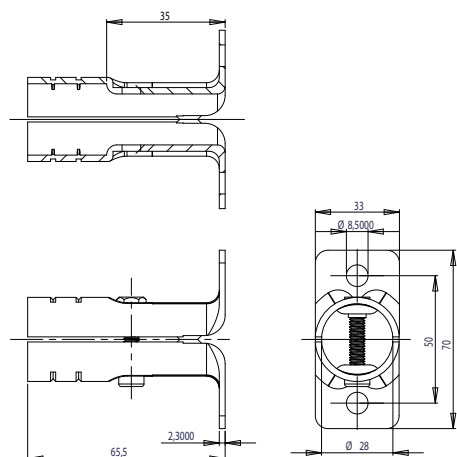
SMART-LEAN CONNECTOR | Cantilever connector



Article no.: 801075

Material

Nickel-plated steel



SMART-LEAN CONNECTOR | Slot-tube connector



Article no.: 801085

Material

Nickel-plated steel





SMART-LEAN CONNECTOR | Bracket set

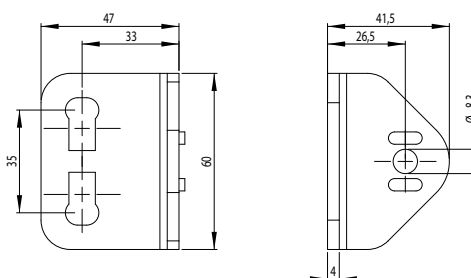
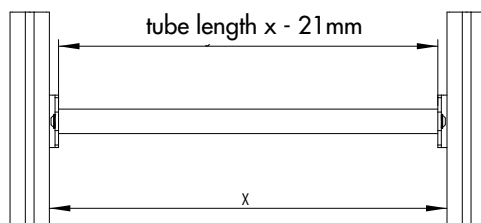
Bracket set 60x47x4



Article no.: 801095

Material

Galvanised steel



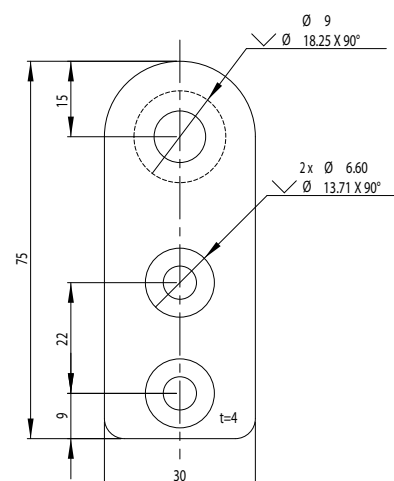
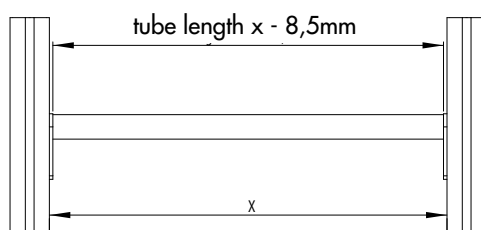
SMART-LEAN CONNECTOR | Connection plate



Article no.: 801090

Material

Galvanised steel



SMART-LEAN CONNECTOR |

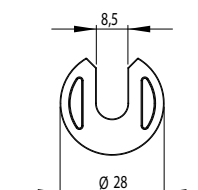
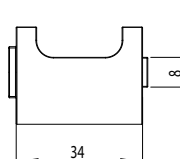
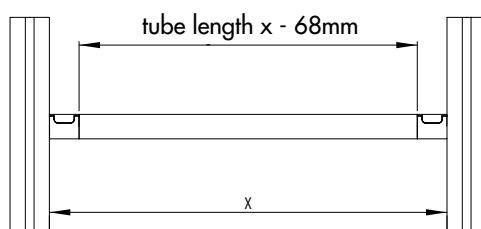
T-connector kit Ø 28

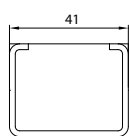
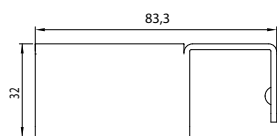


Article no.: 801092

Material

T-connector:
Die cast aluminium
Cover cap:
Plastic ABS, black
Fastening kit:
Galvanised steel





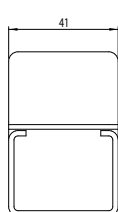
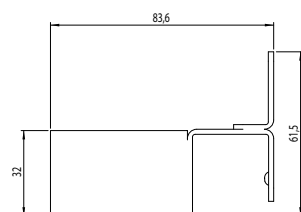
MULTIFUNCTIONAL HOLDER | End holder



Article no.: 803005

Material

Nickel-plated steel



MULTIFUNCTIONAL HOLDER | End holder

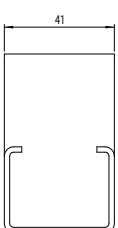
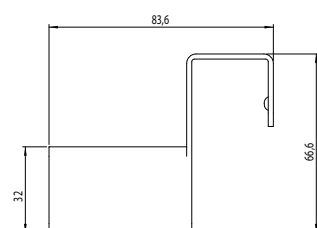
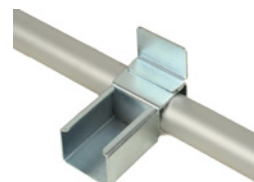
End holder with stop



Article no.: 803010

Material

Nickel-plated steel



MULTIFUNCTIONAL HOLDER | End holder

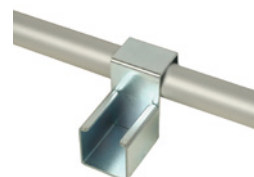
End holder, offset

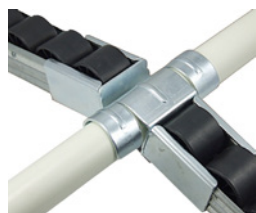
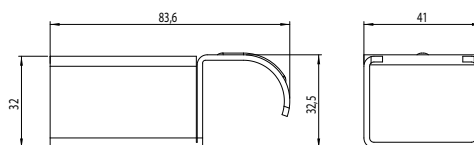
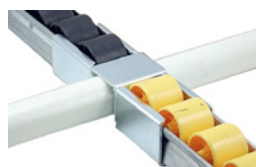
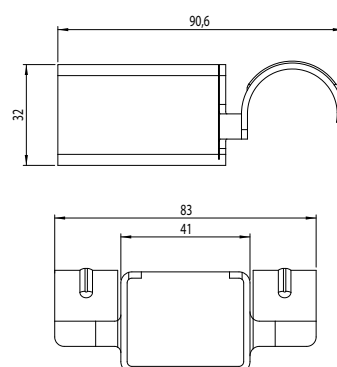
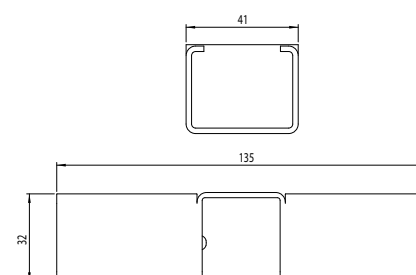
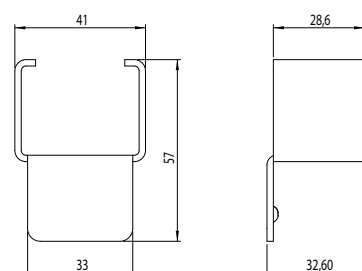


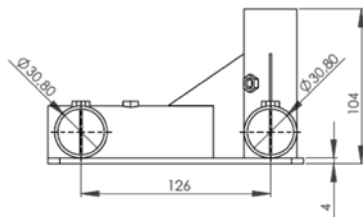
Article no.: 803015

Material

Nickel-plated steel



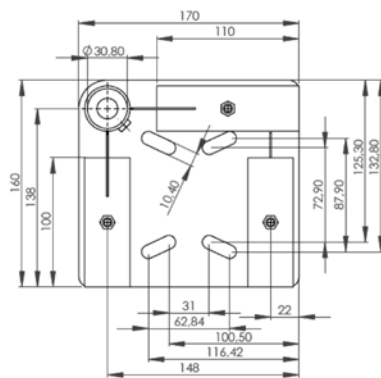
**MULTIFUNCTIONAL HOLDER | Internal bridge****Article no.: 803020****Material** Nickel-plated steel**MULTIFUNCTIONAL HOLDER | External bridge****Article no.: 803030****Material** Nickel-plated steel**MULTIFUNCTIONAL HOLDER | Extension holder****Article no.: 803035****Material** Nickel-plated steel**MULTIFUNCTIONAL HOLDER | Support holder****Article no.: 803045****Material** Nickel-plated steel



ACCESSORIES | Base plate, right

Article no.: 803055

Material Powder-coated steel



ACCESSORIES | Base plate, left

Article no.: 803056

Material Stahl pulverbeschichtet



ACCESSORIES | Tube cover cap, internal

Article no.: 805005

Material Plastic PA



ACCESSORIES | Tube cover cap, external

Article no.: 805010

Material Plastic PA



ACCESSORIES | Threaded plug

Threaded plug M8

Article no.: 807020

Material Plastic PA



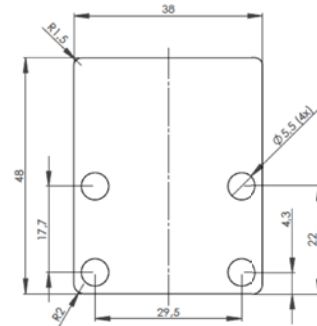
ACCESSORIES | Expander for roller/tube

For tube diameter
28x1.5 to 2mm

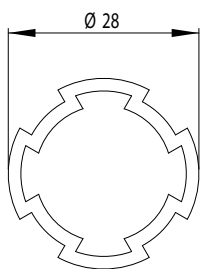
Article no.: 805060

Material Plastic PA



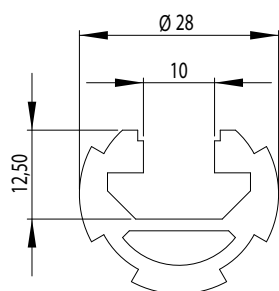
**SMART-LEAN ACCESSORIES | Label, small****2000 x 28 mm** **Article no.: 807015****Material** Plastic PA**SMART-LEAN ACCESSORIES | Label, large****2000 x 50 mm** **Article no.: 807016****Material** Plastic PA**SMART-LEAN ACCESSORIES | Label holder****Article no.: 807017****Material** Plastic PA

803070



TUBE Ø 28 L

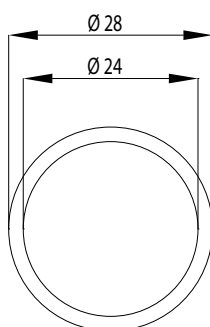
Article no.: 808003			
lx	1,33 cm ⁴	Wx	0,95 cm ³
ly	1,33 cm ⁴	Wy	0,95 cm ³
Profile surface		1,80 cm ²	
Mass		0,48 kg/m	



TUBE Ø 28 L N10

slot 10

Article no.: 808004			
lx	1,17 cm ⁴	Wx	0,84 cm ³
ly	1,97 cm ⁴	Wy	1,41 cm ³
Profile surface		2,63 cm ²	
Mass		0,71 kg/m	



ALUMINIUM TUBE

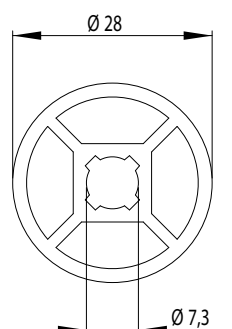
28 x 2mm ESD



Article no.: 808 001

Material

Anodised aluminium



ALUMINIUM TUBE WITH CORE

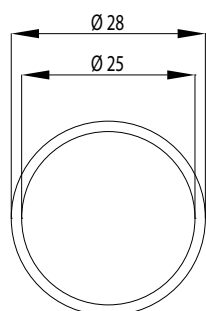
28 x 2mm ESD



Article no.: 808 002

Material

Anodised aluminium



TUBE STAINLESS STEEL

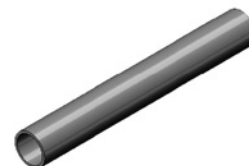
28 x 1,5mm ESD



Article no.: 808 005

Material

Stainless steel





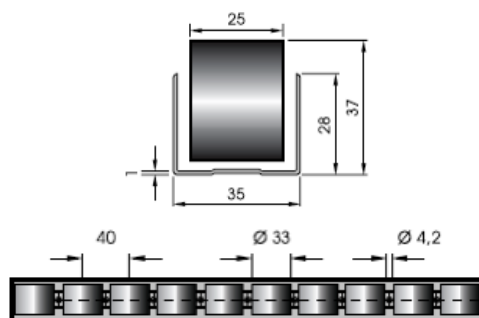
SMART-LEAN STEEL ROLLER BAR



Roller without flange	Article no.:	804004
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Roller without flange ESD 	Article no.:	804005
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Material	Bar: Galvanised steel Roller: Plastic PA
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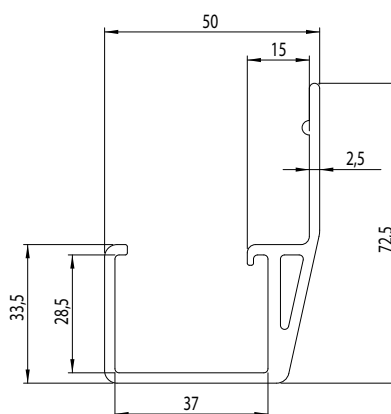
SIDE GUIDE | SHAPE A



Article no.:	804054
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ESD 	Article no.:	804055
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Material	Plastic PA
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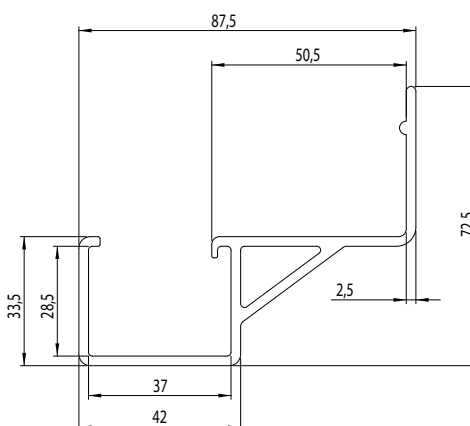
SIDE GUIDE | SHAPE B



Article no.:	804050
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ESD 	Article no.:	804051
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Material	Plastic PA
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ROLLER TRACK SYSTEM

ASK offers a collection of different transport units and accessories for aluminum roller track profiles. Assembly of the units can be done easily from above and without using tools. You have the choice between different rollers, ball rollers, brush and slide units. All units can be freely combined.

There are different roller shapes for different applications, each designed to meet special requirements regarding running smooth-ness, center distance and load capacity.

Rollers R28 are also supplied with flange for lateral guidance.

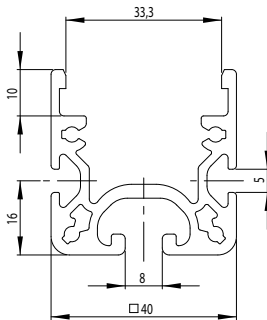
The roller unit R9 has very small center distance and a maximum number of axles. It is designed to build tracks running smoothly with minimum vibrations. It provides a reduced point load on the good and is perfect for use with very so cardboard and coarsely built wooden boxes.

All units are available as electrostatically conductive version.

By coloured rollers, level marks can be realized, e.g. for Kanban applications.

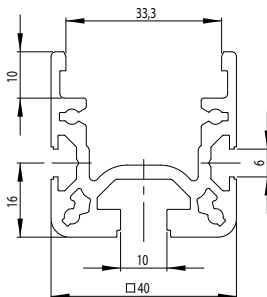
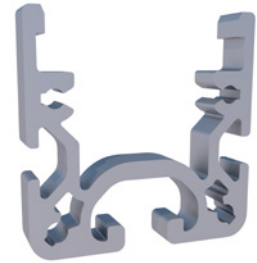
Ball roller and brush units enable to move goods in two directions, even transversely to the track direction, e.g. at track switches and material locks.

End plates close the end face of the track profile safely, provide a defined end stop, and allow the attachment of buffer stops. Compatible holding brackets in different versions connect with the tubular frame system D28.



ROLLER TRACK PROFILE 8 40 × 40

Article no.:		804015	
I_x	10,28 cm ⁴	I_y	5,75 cm ⁴
W_x	5,14 cm ⁴	W_y	2,28 cm ⁴
Weight	1,34 kg/m	LE	20 pieces
A	4,97 cm ²	Length	6000 mm
Material		Anodised aluminium	



ROLLER TRACK PROFILE B10 40 × 40

Article no.:		804017	
I_x	10,29 cm ⁴	I_y	5,88 cm ⁴
W_x	5,15 cm ⁴	W_y	2,31 cm ⁴
Weight	1,36 kg/m	LE	20 pieces
A	5,03 cm ²	Length	6000 mm
Material		Anodised aluminium	



**ROLLER INSERT D28****for AL roller tracks**

without flange

without flange ESD

with flange

with flange ESD

Article no.: 806001**Article no.: 806003****Article no.: 806002****Article no.: 806004****Description**

A resilient and smooth roller unit D28 for AL roller tracks, optionally without or with flange as lateral guiding, completely preassembled

Material

Standard roller:

Plastics PA, glass ball reinforced

Standard cage:

Plastics PA, glass fibre reinforced

ESD roller and cage:

Plastics PA, carbon fibre reinforced

Weight

806001: 19,0 g; 806003: 16,5 g

806002: 20,0 g; 806004: 17,5 g

Load capacity (N)

806001: 150 N; 806003: 125 N

806002: 150 N; 806004: 125 N

Surface

Axle: Zinc plated

Colour

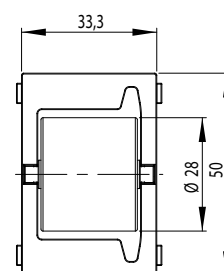
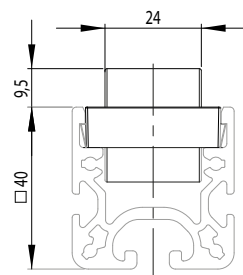
Roller: black; Cage: black

Package unit

10 pieces

Specials

Coloured rollers in grey cage,
other materials, other colours on request

**ROLLER INSERT (SMALL) D28****for AL roller tracks**

ESD

Article no.: 806013**Article no.: 806014****Description**

A resilient and smooth roller unit D28 for AL roller tracks, reduced center distance due to cage L33, completely preassembled

Material

Standard roller:

Plastics PA, glass ball reinforced

Standard cage:

Plastics PA, glass fibre reinforced

ESD roller and cage:

Plastics PA, carbon fibre reinforced

Axle: Steel

Weight

806013: 17,0 g; 806014: 15,0 g

Load capacity (N)

806013: 150 N; 806014: 125 N

Surface

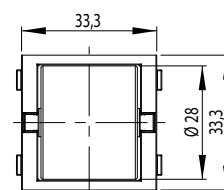
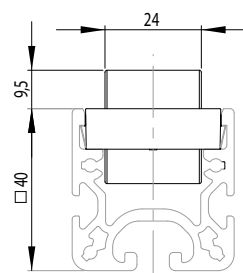
Axle: Zinc plated

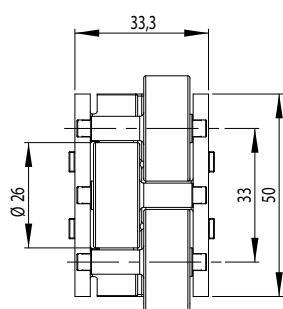
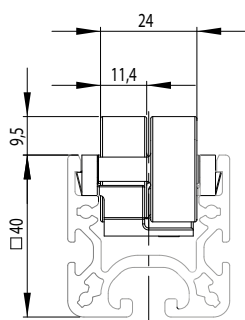
Package unit

10 pieces

Specials

Coloured rollers in grey cage,
other materials, other colors on request





ROLLER INSERT D26

for AL roller tracks

Article no.:	806019
ESD	Article no.: 806020
End piece	Article no.: 806026
End piece ESD	Article no.: 806025

Description

A resilient and smooth roller unit D28 for AL roller tracks, short center distance due to staggered roller layout, completely preassembled; the end piece provides a neat finish of the roller unit H26 at the end of the profile

Material

Standard roller:
Plastics PA, glass ball reinforced
Standard cage:
Plastics PA, glass fibre reinforced
ESD roller and cage:
Plastics PA, carbon fibre reinforced
Axle: Steel

Weight

806019: 35,0 g; 806020: 30,4 g
806026: 4,0 g; 806025: 3,7 g

Load capacity

806019: 150 N; 806020: 125 N

Surface

Axle: Zinc plated

Colour

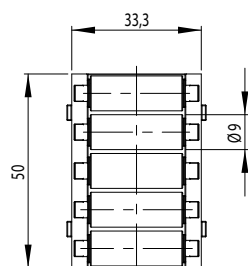
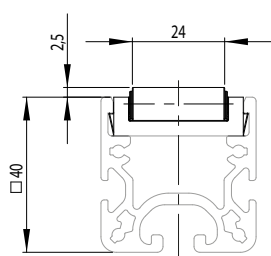
Roller: Black, Cage: black

Package unit

10 pieces

Specials

Other materials, other colors on request



ROLLER INSERT 5 x D9

Article no.:	806028
ESD	Article no.: 806029

Description

A compact roller unit D9 for AL roller tracks, very small center distance and maximum number of axles for minimum vibrations and reduced point load on the goods; completely preassembled

Material

Standard roller:
Plastics PA, glass ball reinforced
Standard cage:
Plastics PA, glass fibre reinforced
ESD roller and cage:
Plastics PA, carbon fibre reinforced
Axle: Steel

Surface

Axle: Zinc plated

Colour

Roller: Black, Cage: black

Package unit

10 pieces

Specials

Other materials, other colors on request





BRAKE D28

for roller D28 **Article no.: 806126**

Description A clip-on for 3 rollers D28; brakes workpieces and goods, in particular heavier ones, smoothly to give them the correct operating speed

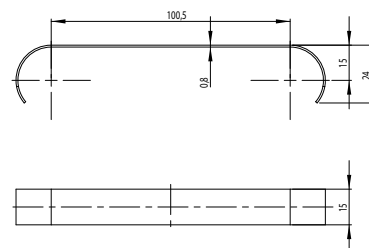
Material Stainless steel

Weight 15,0 g

Surface Plain

Package unit 10 pieces

Specials Other materials, other surfaces on request



BRAKE D26

for roller D26 **Article no.: 806127**

Description A clip-on for 4 rollers D26; brakes workpieces and goods, in particular heavier ones, smoothly to give them the correct operating speed

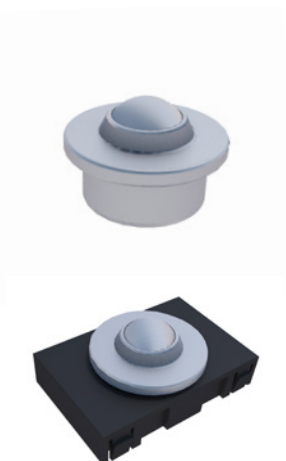
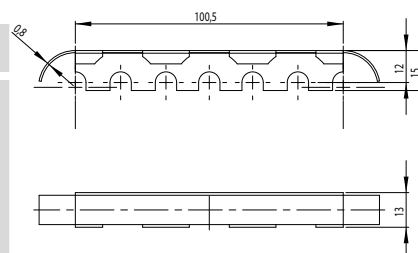
Material Stainless steel

Weight 18,0 g

Surface Plain

Package unit 10 pieces

Specials Other materials, other surfaces on request



BALL CASTER D24

Article no.: 806128

Description A low-wear, low friction ball caster for flexible movements in two directions, for example at track switches and material locks; for AL roller tracks, can also be used in panels, e.g. on table tops

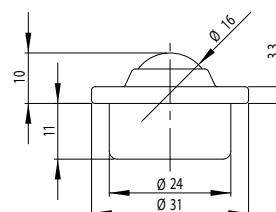
Material Ball: Stainless steel
Chassis: Steel

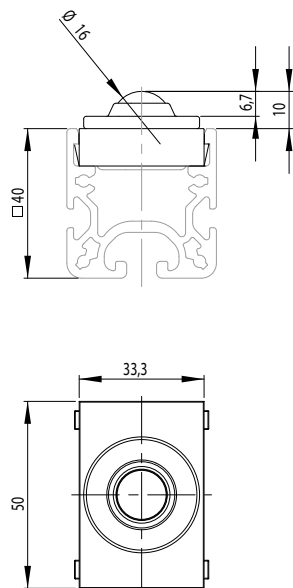
Weight 63,0 g

Surface Ball: Plain
Chassis: Zinc plated

Package unit 10 pieces

Specials Other materials, other surfaces on request





INSERT FOR BALL CASTER

for AL roller tracks

ESD

Article no.: 806034

Description

A preassembled ball unit for AL roller track profiles, with low-wear, low friction ball caster for flexible movements in two directions, for example at track switches and material locks

Material

Ball: Stainless steel
Ball chassis: Steel
Cage: Plastics PA, carbon fibre reinforced

Weight

71,0 g

Surface

Ball: plain
Ball chassis: Zinc plated

Colour

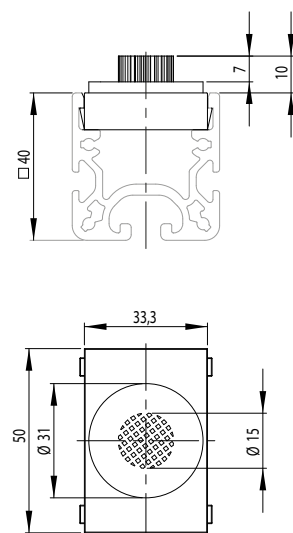
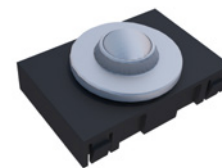
Cage: Black

Package unit

10 pieces

Specials

Other materials, other surfaces on request



BRUSH INSERT

for AL roller tracks

ESD

Article no.: 806035

Description

A preassembled brush unit for AL roller track profiles, with elastic brush fibres, allowing a gentle, material-protective sliding of scratch sensitive goods in two directions

Material

Fibres:
Plastics PA, electrostatically conductive
Brush head:
Plastics PP, electrostatically conductive
Cage: Plastics PA, carbon fibre reinforced

Colour

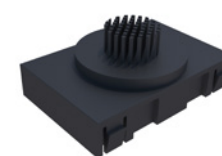
black

Package unit

10 pieces

Specials

Other materials, other surfaces on request



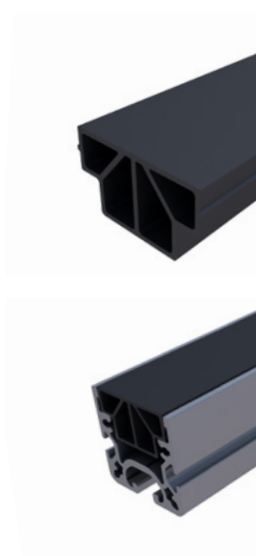
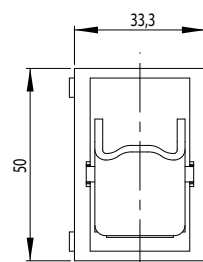
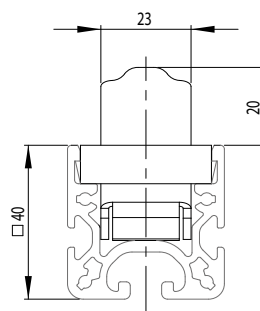
**BACKSTOP INSERT**

for AL roller tracks

ESD

Article no.: 806040

Description	A preassembled backstop unit for AL roller track profiles, prevents goods from moving backwards on the AL roller track profile
Material	Backstop: Steel Axle: Steel Cage: Plastics PA, carbon fibre reinforced
Weight	44,0 g
Surface	Backstop: Zinc plated Axle: Zinc plated
Colour	Cage: Black
Package unit	10 pieces
Specials	Other materials, other surfaces, other colours on request

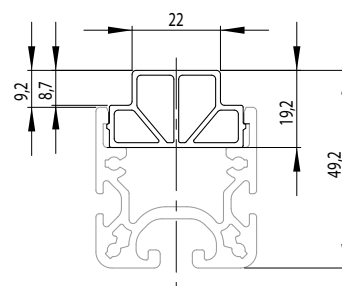
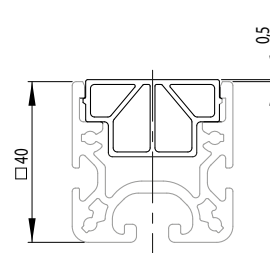
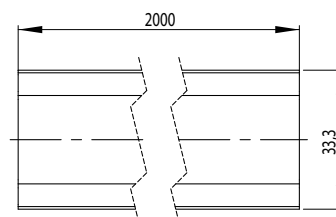
**SLIDE RAIL**

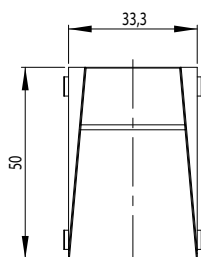
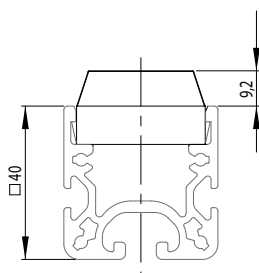
for AL roller tracks

ESD

Article no.: 806041

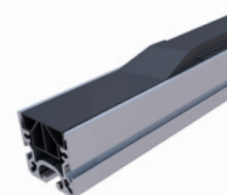
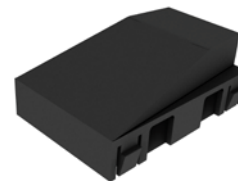
Description	Can be installed in two positions to provide different levels; low-wear slide rail for simple transport or for use on steep slopes, also suitable as cover profile between two ball and brush units
Material	Plastics PE-HD, carbon fibre reinforced
Weight	324,0 g
Colour	Black
Package unit	20 meter (10 pieces at 2 m)
Specials	Other lengths, other colours on request





TRANSITION RAMP

ESD 	
for AL roller tracks	
Article no.:	806042
Article no.:	806043
Description	Provides a smooth transition between different levels; compatible with the slide rail AL but also with roller units, brush unit, and ball unit
Material	Standard transition ramp: Plastics PA, glass fibre reinforced ESD transition ramp: Plastics PA, carbon fibre reinforced
Weight	806042: 15,0 g; 806043: 13,0 g
Colour	Black
Package unit	10 pieces
Specials	Other materials, other colours on request

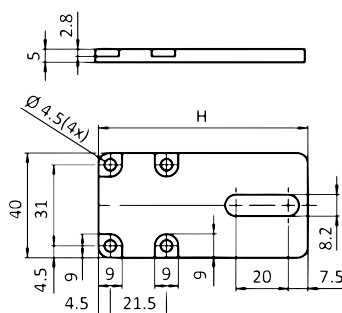
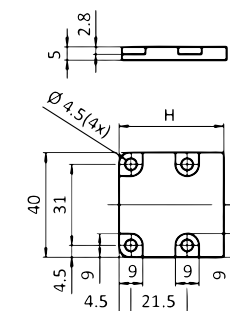


COVER PLATES

Material : Steel galvanised	for AL roller tracks
without end stop; H=40mm; g=55g	Article no.: 806046
with end stop; H=80mm; g=108g	Article no.: 806050
without end stop incl. assembly set H=40mm; g=63g	Article no.: 806047
with end stop incl. assembly set H=80mm; g=124g	Article no.: 806051

Material : Steel galvanised	for AL roller tracks
without end stop; H=40mm; g=55g	Article no.: 806044
with end stop; H=80mm; g=108g	Article no.: 806048
without end stop incl. assembly set H=40mm; g=63g	Article no.: 806045
with end stop incl. assembly set H=80mm; g=124g	Article no.: 806049

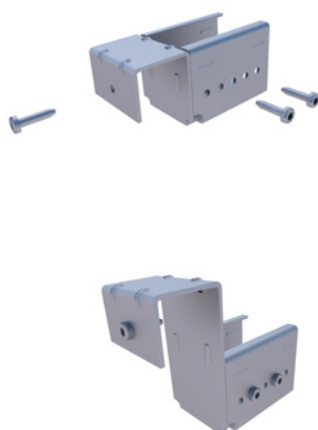
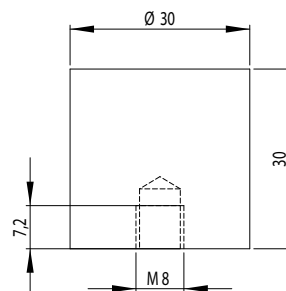
Description	To close the end face of AL roller track profiles, preventing inserts from slipping out, additionally the long version has an end stop (optionally, a buffer stop can be added)
Material	Galvanised steel
Assembly set	4 self-drilling screws DIN 7504 Form N - 3.9 x 16
Package unit	10 pieces
Specials	Other materials, other colours on request



**BUFFER STOP**

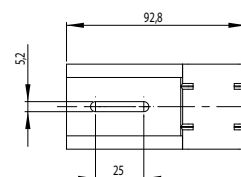
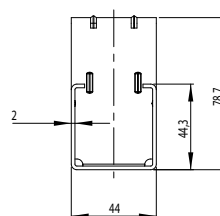
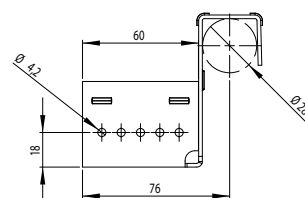
With Cylindrical Shape, with Internal Thread
Article no.: 806059

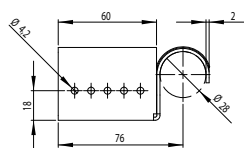
Description	End-position damping of doors, flaps, covers working pieces and goods
Material	Buffer: Rubber NBR, $\approx$ 55 Shore A Threaded insert: Steel
Weight	38,0 g
Surface	Threaded insert: Zinc plated
Colour	Black
Package unit	20 pieces

**HOLDING BRACKET D28**

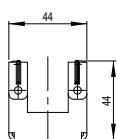
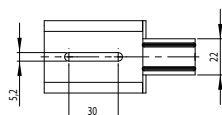
for AL roller tracks
Without end stop, incl. assembly set **Article no.: 806052**
With end stop, incl. assembly set **Article no.: 806053**

Description	To mount AL roller track profiles to tubular frame profiles with $\varnothing$ 28 mm outer diameter, preventing inserts from slipping out
Material	Steel
Weight	without end stop: 186 g with end stop: 208,5 g
Surface	Galvanized
Assembly set	5 self-drilling screws DIN 7504 Form N - 3.9 x 16
Package unit	10 pieces
Specials	Other surfaces, other colours on request

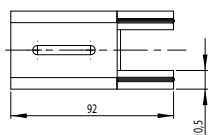




Typ M



Typ F



VARIABLE HOLDING BRACKET D28

for AL roller tracks

Type M; incl. assembly set 1

Article no.: 806056

Type F; incl. assembly set 2

Article no.: 806057

Description

Transition between roller track profiles with varying inclination, to mount AL roller track profiles, at different angles, to tubular frame profiles with Ø 28 mm outer diameter, preventing inserts from slipping out

Material

Steel

Weight

Type M and Type F: 154 g

Surface

Galvanised

Assembly set 1

5 self-drilling screws
DIN 7504 Form N - 3.9 x 16

Assembly set 2

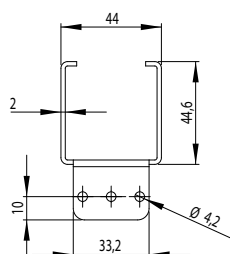
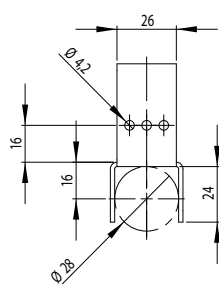
6 self-drilling screws
DIN 7504 Form N - 3.9 x 16

Package unit

10 pieces

Specials

Other surfaces, other colours on request



MOUNTING BRACKET D28

for AL roller tracks

Article no.: 806060

Description

To mount and support an AL roller track profile on a crossing tubular frame profile with Ø 28 mm outer diameter

Material

Steel

Weight

88,0 g

Surface

Galvanised

Assembly set

6 self-drilling screws
DIN 7504 Form N - 3.9 x 16

Package unit

10 pieces

Specials

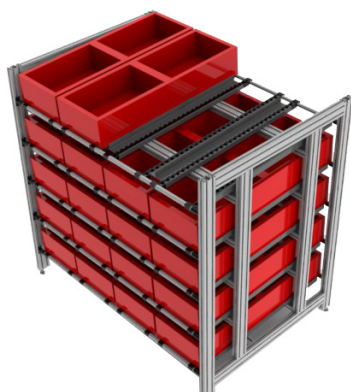
Other surfaces, other colours on request





MATERIAL SUPPLY AT ASSEMBLY STATION

Equipment	Base frame aluminium profile 45x45, steel roller conveyors with side guide shape B
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CONTINUOUS RACK FOR SMALL LOAD CARRIER 600x400

Equipment	Base frame aluminium profile 45x90, steel roller conveyors with side guide shape B
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CONTINUOUS RACK FOR SMALL LOAD CARRIER 200x300

Equipment	Base frame aluminium profile 45x45, steel roller conveyors with side guide shape B
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CONTINUOUS RACK FOR SMALL LOAD CARRIER 300x400

Equipment	Base frame aluminium tube, steel roller conveyors with side guide shape B
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