FATH®

MADE FOR YOU:

INNOVATIONS @FATH

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FATH®

INNOVATIONS @FATH

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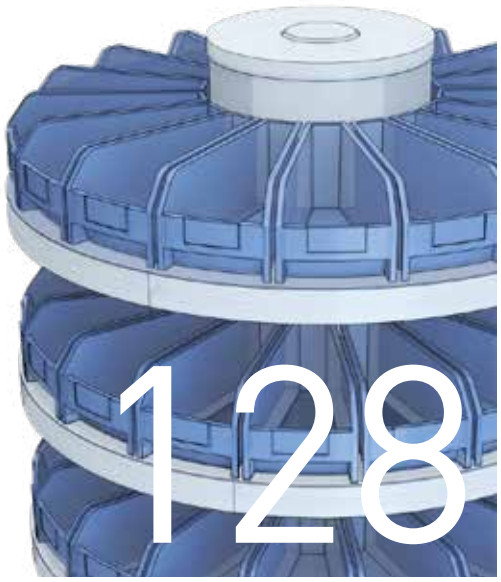

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beyond intralogistics

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What does **INNOVATION** mean for **FATH**?

Innovation, noun

Word Separation: In|no|va|ti|on

Meaning:

Realization of a novel, advanced solution to a particular problem, especially the introduction of a new product or the application of a new procedure.

This is also what we at **FATH** understand innovation to mean: We don't want to bring something new to the market just for the sake of it. In order to pave the way for more added value in the industrial market, we have provided more tangible benefits in the products and solutions we have developed.

Innovation doesn't always have to be a groundbreaking invention. The sensible optimization of products with already known functions or the addition of helpful features can also make a noticeable difference, because perfection is often in the smallest detail.

The inspiration for new developments comes from working with our customers and partners. Through close exchange, we understand which problems need to be solved and recognize optimization potential.

From connectors to complex systems for light and electricity at the workplace or smart automation solutions – **FATH** innovations are intended to make a positive change.

ENRICH YOUR WORKING LIFE.

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In addition to function, the simplicity of the part is particularly important to us during assembly and application. Our aim is to make your work in the industrial environment easier. By improving workflows, with clever products and system solutions that enable greater efficiency and productivity – and at the same time, ergonomic and frustration-free work at the interface between **people, machines and materials**.

"Because it's the people in their environment who move us forward in terms of innovation, product development and product quality. We summarize this in the idea of **PRODUCTIONCULTURE**, which stands for the new awareness in industrial production companies. In the **FATH** companies, we bring this idea to life.

This also results in new innovations, because we experience in our own production where optimizations are necessary and possible. And there, in the real environment, we subject our developments to rigorous stress tests before they go on the market.

FATH LEAN 4.0

One focus is on LEAN production. We are constantly working on solutions to improve industrial processes in manufacturing, warehousing and logistics. In the **FATH** portfolio you will always find new products with which you can easily structure and optimize material flows, material provision and information provision.

Ingenuity is in our DNA and the flow of ideas is unrelenting. We want to use this power even more to drive innovation around the world. Always true to our principle of creating simple and easy to implement solutions that make the work of everyone involved easier. We see continuous change as the path to the future. Be part of the change!

In this brochure, discover the new building blocks that, in combination with proven products, become highly efficient and holistic solutions for the shop floor.

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In conversation with:

Mirko Jan Fath

"I've always thought LEGO® bricks were great. Using individual bricks, you simply assemble what you want to make. Modularity in its purest form."

What do LEGO® bricks have to do with INNOVATONS@FATH?

It may well be that my enthusiasm for modular systems is based on this playful experience from childhood. Even today, I think it's great if you can put together individual components in such a way that they give us a real advantage as a whole. If a wow effect is added, I can get excited about it like a child (mischievous smile, editor's note).

When was the last time that kind of delight occurred?

It happens quite often. For example, when the "LED lights and F Line power strips" project reached market maturity. The idea for this development came directly from the production hall. Light and power at the work station. I thought to myself: There has to be a way that that works better. It must be possible to precisely set up and align lighting and power supply in such a way that every employee can work productively and without fatigue. Conceived, achieved. The result is a modular system with practical remote dimming and remote switching that complies with the **FATH** guiding principle: **ENRICH YOUR WORKING LIFE.**

You can see how it works in this video:

What other product innovations are there?

Many! Components for profile systems continue to be a primary focus. There are a few things to discover in this area on the following pages. Proven components in new useful variants for even greater flexibility – from corner connectors to angle and direct connectors and friction joints. And new rollers for easier mobility.

LEAN 4.0 was a topic at Motek 2021. What's happening here at FATH?

We are continually working on solutions for leaner processes and for more structure and better organization. Floor markings in a new format and clever guiding rails for FIFO stations are now part of the **FATH** product range. And even with the UTENSILO, our customers will definitely achieve an "aha" effect in the meeting room. The smart solution for right-handed and left-handed users is inconspicuous at first glance, but the benefits become apparent during use. You'll never have to search for a whiteboard marker again or throw it away because it's dried out, as the caps are tightly stored on the marker. And this modular part is really fun, almost like LEGO bricks (laughs, editor's note).

Try it out! I hope you have a lot of fun and amazement in doing so. Just like with all the other **FATH** innovations.

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"It's really fun, almost like Lego®!"

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ENGINEERING

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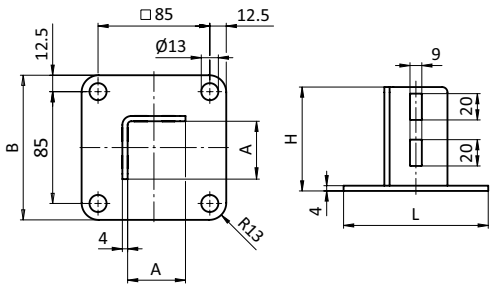
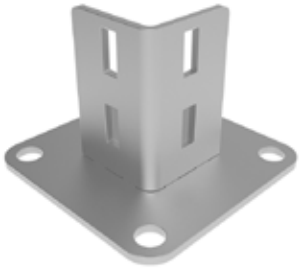
FOOT CONSOLE ST 40 / 45 - 110

MODEL	Steel
DESCRIPTION	To mount aluminum profiles as posts
MATERIAL	Steel
SURFACE	Zinc plated / powder coated
COLOR	- / alu color
PACK QUANTITY	1 piece
TIP	Compatible hammer screw slot 8 see 096HK0830M0820 Compatible hammer screw slot 10 see 096HK1030M0820 Compatible flange nut M8 see 340ME154





A [mm]	L X B X H [mm]	WEIGHT [g]	PART #
40	110 x 110 x 79	543.5	**098G40L110VS01**
45	110 x 110 x 79	569.5	**098G45L110VS01**

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LEVELING CASTORS

With FATH Leveling Castors, always on the same level regardless of the floor

- Universal mounting options
- Compensation for uneven floors up to 10 mm
- Flexible use of workplaces and other aluminum profile structures
- Can hold up to 340 kg per castor

HIGHLIGHTS

The simple and robust design of **FATH** Leveling Castors is impressive. The different versions cover the requirements of a wide range of applications and application scenarios in an industrial environment. Wear-resistant Castors ensure a long service life with minimal abrasion. They can be dynamically loaded with up to 340 kg – even frames weighing a maximum of 340 kg per castor can be moved safely. Casto r diameters of 50 or 62 mm also allow travel over uneven surfaces.

The supporting foot can be extended using a standard open-end wrench on the color highlighted adjusting wheel. This ensures a secure footing for the object. Floor unevenness up to 10 mm can also be compensated for thanks to the continuously adjustable foot. To move the structure to another location, simply retract the foot.

ROBUST DESIGN

Easy installation – hole pattern with heart and mind!

FATH Leveling Castors have various assembly options. The fixing can be made with a bolt hole thread using double-threaded screws in transport and base plates or core holes of aluminum profiles.

The Leveling Castors are also available with a screw-on plate for flush mounting on all profiles with modular dimensions 40 and 45. For the mounting holes in the mounting plate, **FATH** has developed a special heart-shaped hole pattern, which makes it possible to mount the **FATH** Leveling Castors on different profile frames and profile corners – with a flush lip without protruding from the mounting plate. This increases flexibility and safety.

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Would you like to learn more about **FATH** Leveling Casters?

leveling-caster.fath24.com

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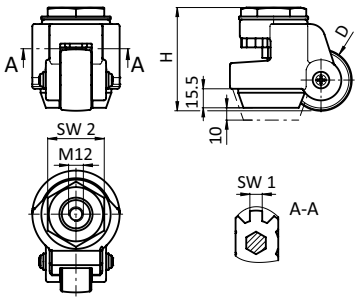
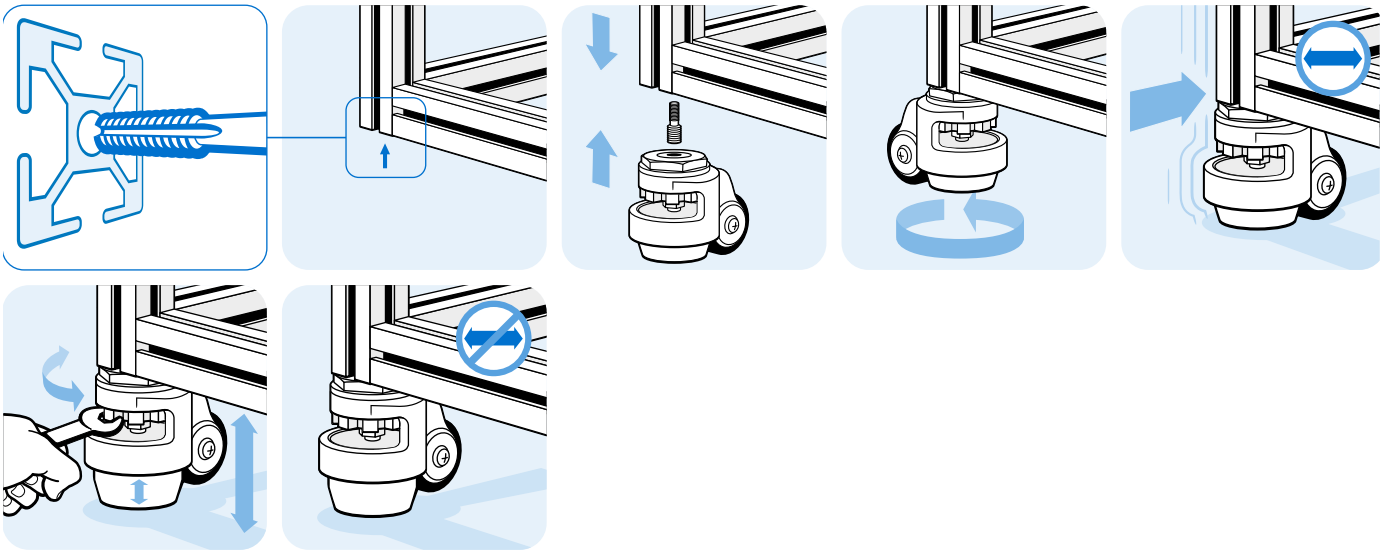
LEVELING CASTOR WITH BOLT HOLE THREAD

MODEL	With bolt hole thread
DESCRIPTION	Reliable leveling castor with bolt hole thread M12 For fixation to transport and base plates, threaded sleeves or threaded bushes; Roller movement locking by temporary positioning on stamp, actuation of the height adjustment of the stamp via adjustement wheel in the castor housing with wrench
MATERIAL	Bolt hole plate: Steel Housing: Aluminum die-cast Adjustment wheel: Plastic PA Stamp: Rubber NBR Roller: Plastic PA
SURFACE	Bolt hole plate: Zinc plated Housing: Powder coated
COLOR	Housing: White aluminum ≈ RAL 9006 Adjustment wheel: Orange ≈ RAL 2004 Stamp: Black Roller: Black
SET	4 leveling castors with bolt hole thread 4 double threaded bolts M8/M12 4 double threaded bolts M12/M12
PACK QUANTITY	4 pieces
TIP	Compatible transport and base plates with thread M8 or M12 on request

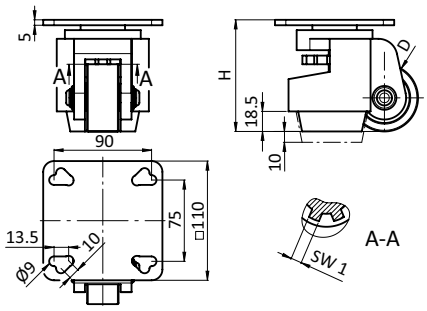


D [mm]	H [mm]	TRAGKRAFT PRO HUBEINHEIT [KG]	SW 1	SW 2	WEIGHT [g]	PART #
50	84	250 (M8/M12) 250 (M12/M12)	11	46	2588.0	098LF050AF46S01
62	103	350 (M8/M12) 500 (M12/M12)	12	65	4688.0	098LF062AF65S01

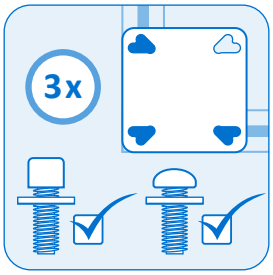


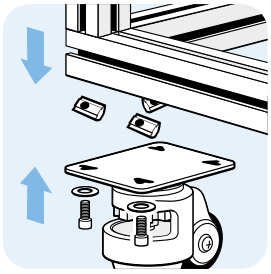
LEVELING CASTOR WITH MOUNTING PLATE 40 / 45

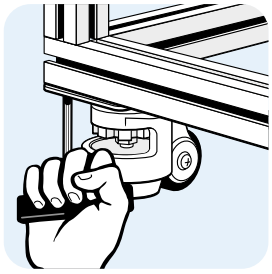
MODEL	With mounting plate
DESCRIPTION	Reliable leveling castor with integrated mounting plate For fixation to aluminum profiles with modular dimension 40 and 45 mm without overhang No additional transport and base plate needed; Roller movement locking by temporary positioning on stamp, actuation of the height adjustment of the stamp via adjustement wheel in the castor housing with wrench
MATERIAL	Mounting plate: Steel Housing: Aluminum die-cast Adjustment wheel: Plastic PA Stamp: Rubber NBR Roller: Plastic PA
SURFACE	Mounting plate: Zinc plated Housing: Powder coated
COLOR	Housing: White aluminum ≈ RAL 9006 Adjustment wheel: Orange ≈ RAL 2004 Stamp: Black Roller: Black
PACK QUANTITY	4 pieces

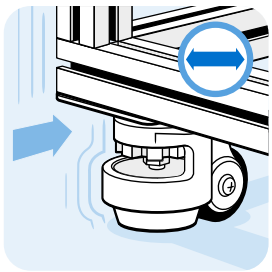


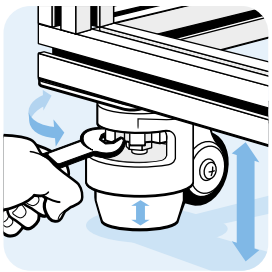
D	H	MAX. LOAD [KG]	SW 1	WEIGHT [g]	PART #
62	103	500	12	1345.0	098LF062AF110110

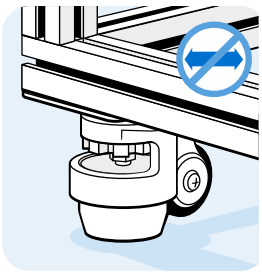












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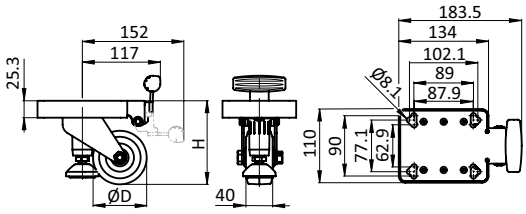
FIXED CASTOR WITH LIFTING FOOT

MODEL	With mounting plate
DESCRIPTION	Reliable and quiet fixed caster, trackless With ball bearings and thread guard, integrated mounting plate for fixation to aluminum profiles with modular dimension 40 and 45mm without overhang No additional transport and base plate needed; Roller movement locking by temporary positioning on lifting foot, actuation of the height adjustment of the lifting foot via foot pedal on the fixed caster housing
MATERIAL	Housing: Die-cast aluminum / steel Thread: See table Wheel body: See table Mounting plate: Steel Leveling foot: Plastic PA, glass ball reinforced / steel Foot pedal: Plastic PUR / steel
SURFACE	Housing: Powder coated / zinc plated Mounting plate: Zinc plated Leveling foot: Plain / zinc plated Foot pedal: Plain / zinc plated
COLOR	Housing: Alu color Tread: See table Wheel body: See table Leveling foot: Black Foot pedal: Black
PACK QUANTITY	1 piece
SPECIALS	Other kinds of wheels, other colors, other surfaces on request



ESD	D [mm]	WHEEL BODY	H [mm]	FIXED CASTOR TREAD	MAX. LOAD [N]	WEIGHT [g]	PART #
	80	PA, natural white	125	PA, white	2500	2172.2	098FF080AF134110
	80	Aluminum die-cast, silver gray	125	PU, yellow	1800	2096.0	098FF080EHF134110
ESD	80	Aluminum die-cast, silver gray	125	PU, green	1800	2172.2	098FF080EHF134110ESD
	80	PA, black	125	solid rubber, black	1700	2148.4	098FF080GF134110
	80	PA, gray ≈ RAL 7001	125	PU, black	1500	2172.2	098FF080UF134110
ESD	80	PA, gray ≈ RAL 7001	125	PU, black	1000	2172.2	098FF080UF134110ESD
	100	PA, natural white	145	PA, white	2500	2216.6	098FF100AF134110
	100	Aluminum die-cast, silver gray	145	PU, yellow	2500	2216.6	098FF100EHF134110
ESD	100	Aluminum die-cast, silver gray	145	PU, green	2500	2216.6	098FF100EHF134110ESD
	100	PA, black	145	solid rubber, black	2000	2216.6	098FF100GF134110
	100	PA, gray ≈ RAL 7001	145	PU, black	2000	2216.6	098FF100UF134110
ESD	100	PA, gray ≈ RAL 7001	145	PU, black	1300	2216.6	098FF100UF134110ESD

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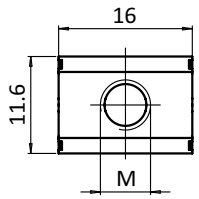
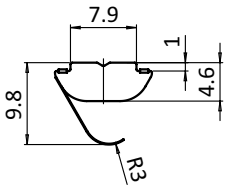
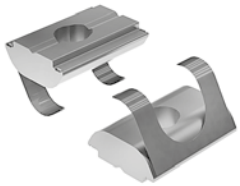
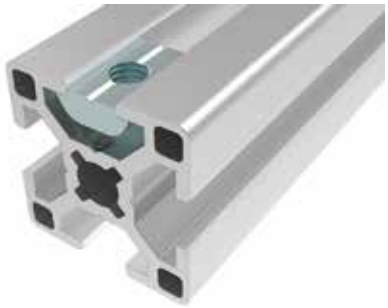
ROLL-IN T-SLOT NUT 11.6 X 4.6 MM WITH SPRING LEAF

MODEL	Slot 8, Self-aligning with Spring Leaf, Steel / Stainless Steel
DESCRIPTION	Self-aligning roll-in T-slot nut with spring leaf, ESD electrostatical discharging
SURFACE	Zinc plated
PACK QUANTITY	100 pieces
SPECIALS	Different lengths with multiple threads in different sizes available on request









SIZE	WEIGHT [g]	PROFILE	PART #
M4	4.8	B	**096314F**
M5	4.7	B	**096315F**
M6	4.4	B	**096316F**
M8	3.6	B	**096318F**
M4	4.8	B	**096314EF**
M5	4.7	B	**096315EF**
M6	4.4	B	**096316EF**
M8	3.6	B	**096318EF**

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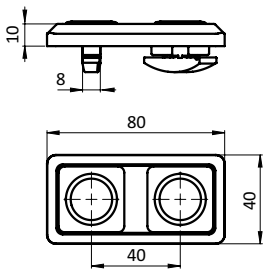
CONNECTION PLATE I40 M LENGTH/CROSS, RECTANGULAR 2 HOLE, 1 SLOT (SET)

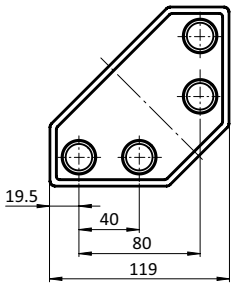
MODEL	Aluminum die-cast
DESCRIPTION	To connect two aluminum profiles quickly at right angle or parallel, direct inserting into the profile slot thanks to lengthwise or crosswise positioning of the pre-assembled magnet rhombus screws and counter sunk nuts with the 90° turnable inserts; the open screwing holes of the connection plate can be closed with the cover caps
MATERIAL	Connection plate: Aluminum die-cast Cover Caps: Plastic PA, glass fiber reinforced Magnet rhombus screws: Steel Countersunk nuts: Steel
SURFACE	Connection plate: Laquered Magnet rhombus screws: Zinc plated Countersunk nuts: Zinc plated
COLOR	Connection plate: Alu color Cover Caps: Gray ≈ RAL 7042
SET	1 connection plate with pre-assembled magnet rhombus screws and counter sunk nuts in 90° turnable inserts 2 cover caps
PACK QUANTITY	10 set
SPECIALS	Other surfaces, other colors on request

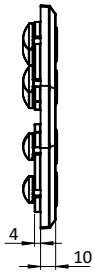


SLOT	WEIGHT [g]	PROFILE	PART #
8	111.1	I	093VM4080LN08

CONNECTION PLATE I120 M (SET)

MODEL	Aluminum die-cast
DESCRIPTION	To connect two aluminum profiles quickly at right angle, direct inserting into the profile slot thanks to correct positioning of the pre-assembled magnet rhombus screws and counter sunk nuts; the open screwing holes of the connection plate can be closed with the cover caps
MATERIAL	Connection plate: Aluminum die-cast Cover Caps: Plastic PA, glass fiber reinforced Magnet rhombus screws: Steel Countersunk nuts: Steel
SURFACE	Connection plate: Laquered Magnet rhombus screws: Zinc plated Countersunk nuts: Zinc plated
COLOR	Connection plate: Alu color Cover Caps: Gray ≈ RAL 7042
SET	1 connection plate with pre-assembled magnet rhombus screws and counter sunk nuts 4 cover caps
PACK QUANTITY	10 set
SPECIALS	Other surfaces, other colors on request





SLOT	WEIGHT [g]	PROFILE	PART #
8	331.6	I	093VM120120LN08

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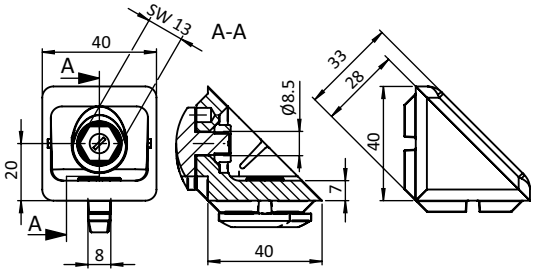
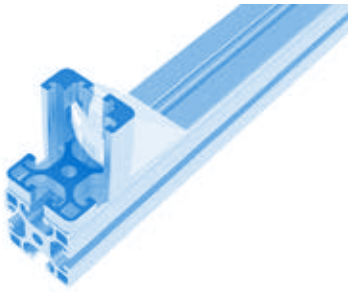
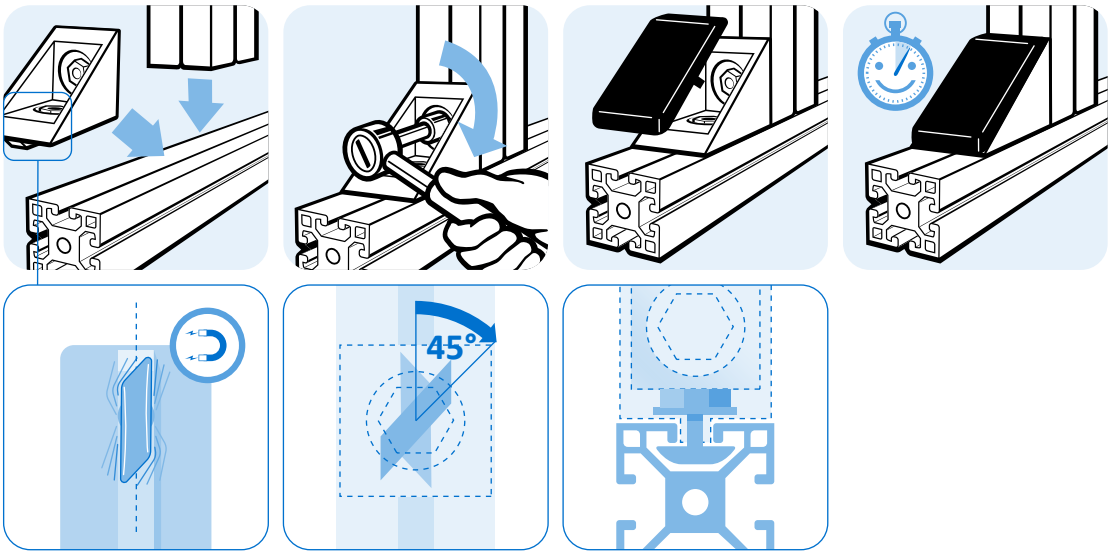
ALU CONNECTION ANGLE 40 M (SET)

MODEL	Aluminum die-cast
DESCRIPTION	To connect two aluminum profiles quickly at right angles, direct inserting into the profile slot thanks to correct positioning of the pre-assembled magnet rhombus screws and countersunk nuts; the connection angle can be closed with the cover cap
MATERIAL	Angle: Aluminum die-cast Cover cap: Plastic PA, glass fiber reinforced, Magnet rhombus screws: Steel Countersunk nuts: Steel
SURFACE	Angle: Lacquered Countersunk nuts: Zinc plated
COLOR	Cover cap: Black, gray
PACK QUANTITY	10 pieces
SPECIALS	Other surfaces, other colors on request





ALU CONNECTION ANGLE 40 M (SET)	N	WEIGHT [g]	PROFILE	PART #
	8	98.0	I	093W406N08S01
Cover cap Black		10.0	I	093WA406
Cover cap Gray ≈ RAL 7042		10.0	I	093WA406S01



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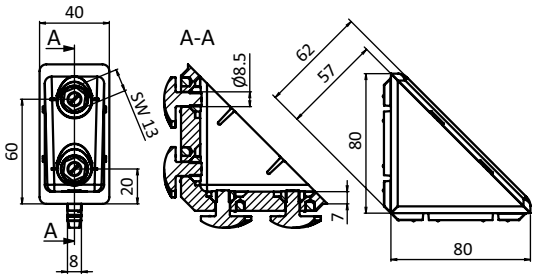
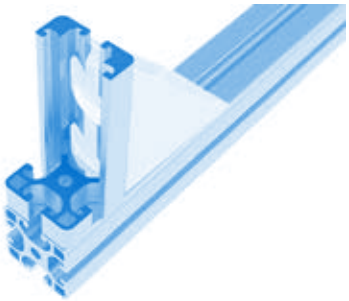
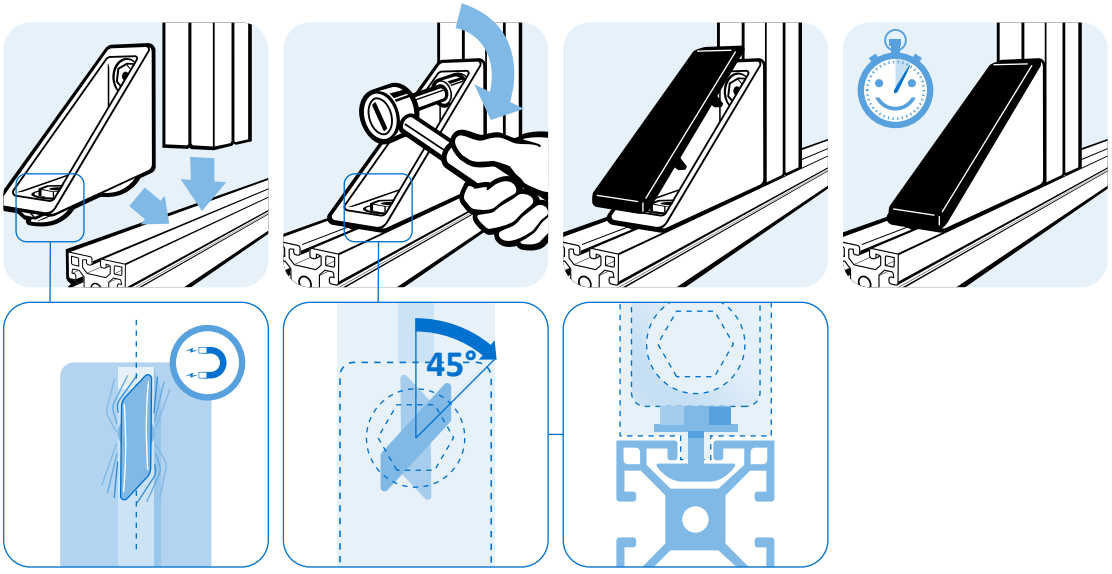
ALU CONNECTION ANGLE 40 / 80 M (SET)

MODEL	Aluminum die-cast
DESCRIPTION	To connect two aluminum profiles quickly at right angles, direct inserting into the profile slot thanks to correct positioning of the pre-assembled magnet rhombus screws and countersunk nuts; the connection angle can be closed with the cover cap
MATERIAL	Angle: Aluminum die-cast Cover cap: Plastic PA, glass fiber reinforced, Magnet rhombus screws: Steel Countersunk nuts: Steel
SURFACE	Angle: Lacquered Countersunk nuts: Zinc plated
COLOR	Cover cap: Black, gray
PACK QUANTITY	10 pieces
SPECIALS	Other surfaces, other colors on request





ALU CONNECTION ANGLE 40 / 80 M (SET)	N	WEIGHT [g]	PROFILE	PART #
	8	197.0	I	093W809N08S01
Cover cap Black		21.0	I	093WA809
Cover cap Gray ≈ RAL 7042		21.0	I	093WA809S01



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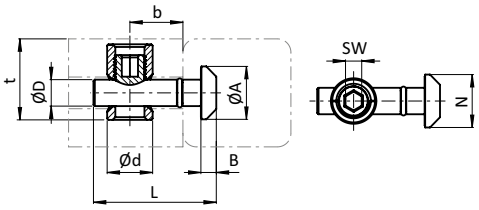
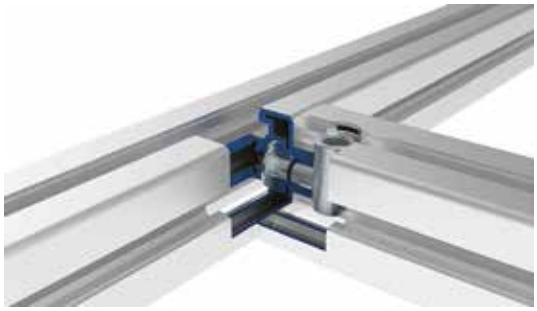
CENTRAL CONNECTOR B UNIVERSAL, SLOT 10

MODEL	Steel
DESCRIPTION	To connect two aluminum profiles at right angles; a blind or through hole must be drilled through one of the profiles to provide access to the tightening screw
MATERIAL	Steel
SURFACE	Zinc plated
PACK QUANTITY	10 pieces





A [mm]	B [mm]	D [mm]	D [mm]	L [mm]	N	SW	WEIGHT [g]	PROFILE	PART #
19.6	5.5	9.8	16.85	46.0	10	6	63.0	B	099B101710

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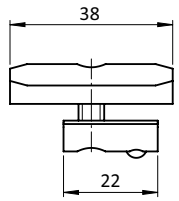
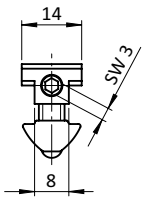
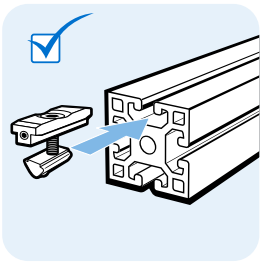
DIRECT CONNECTOR I, SLOT 8

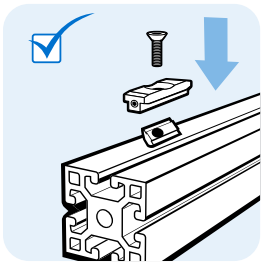
MODEL	Steel
DESCRIPTION	To cross or parallely connect two aluminum profiles; assembly without machining
MATERIAL	Steel
SURFACE	Zinc plated
MAX. WEIGHT DOOR	Load recommendation for each mounting point with even load spreading: Fmax = 400 N
PACK QUANTITY	10 pieces

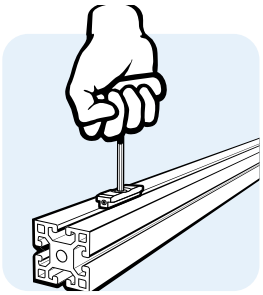


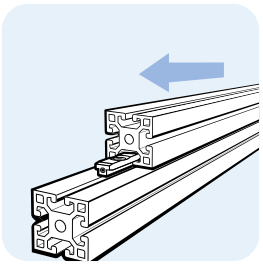


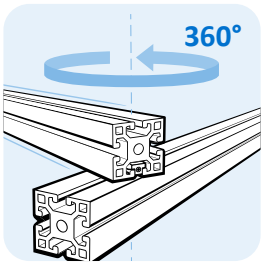
N	WEIGHT [g]	PROFILE	PART #
8	38.3	I	099DC084040N08

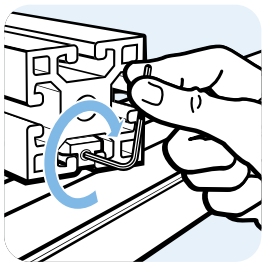


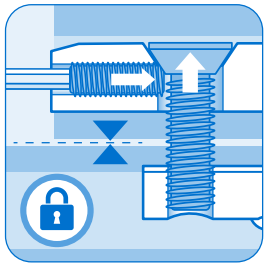












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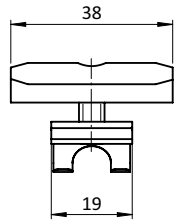
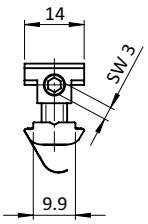
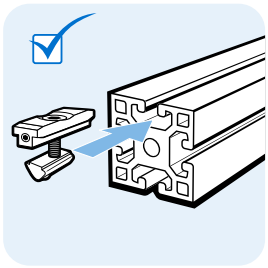
DIRECT CONNECTOR I / B, SLOT 8 / 10

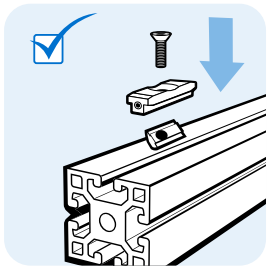
MODEL	Steel
DESCRIPTION	To cross or parallely connect two aluminum profiles slot 8 with slot 10; assembly without machining
MATERIAL	Steel
SURFACE	Zinc plated
MAX. LOAD	Load recommendation for each mounting point with even load spreading: Fmax = 400 N
PACK QUANTITY	10 pieces

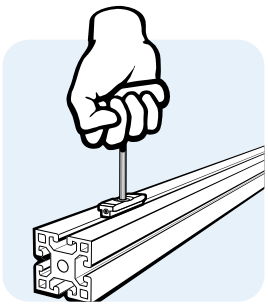


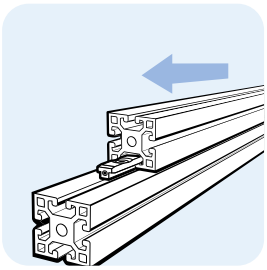


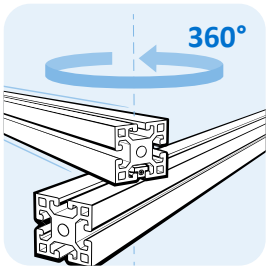
N	WEIGHT [g]	PROFILE	PART #
10	36.0	B	099DC084045N10

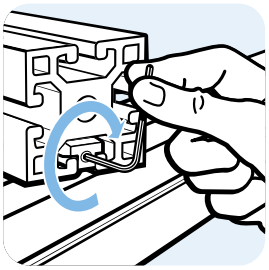


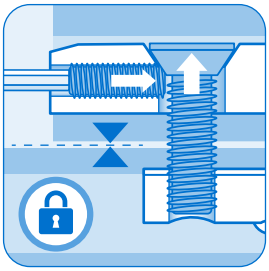












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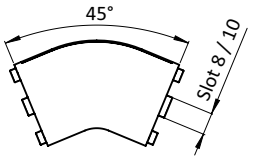
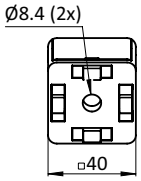
ANGLE CONNECTOR I 40, 45° (SET)

MODEL	Aluminum die-cast
DESCRIPTION	To connect two aluminum profiles at 45°
MATERIAL	Angle connector: Aluminum die-cast Centering pieces: Zinc die-cast Cover cap: Plastic PA, glass fiber reinforced
SURFACE	Angle connector: Laquered
COLOR	Angle connector: Alu color Cover cap: Gray ≈ RAL 7042
SET	1x angle connector, 4x centering pieces, 1x cover cap
PACK QUANTITY	10 set





N	WEIGHT [g]	PART #
8 / 10	138.0	093WS40545N08S01

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FRICTION JOINTS FOR SYSTEM ARMS

FATH Friction Joints: Endless possibilities for your assembly workstatons

- Fixed friction torque in 6 levels
- Freely adjustable friction torque
- Easy to assemble
- Can be mounted lengthwise, crosswise and on the front
- Finished system arms can be adjust multi-dimensionally

HIGHLIGHTS

Build your swivel arms in individual lengths and designs with **FATH** Friction Joints. The joints feature a permanently set friction torque that is available in 6 levels. Combine the different friction torques to adapt your system arm to your application. Versions with freely adjustable friction torque are also available. You can adjust the friction with a clamping lever or simple tool exactly as your application requires – virtually continuously from light to strong.

The axes of the **FATH** Friction Joints can be positioned both vertically and horizontally. This opens up a wide range of new possibilities for making tools and work materials available in an ergonomic and organized manner. By a simple turning, the finished system arm can be adapted multi-dimensionally to different working positions and workpiece, product or body sizes.

FIXED & FREELY ADJUSTABLE FRICTION TORQUES

Flexible installation

FATH Friction Joints can be attached to the profile lengthwise, crosswise or on the front. The sets already contain the installation material for lateral attachment with T-slot nuts in profile slot 8 or 10 as well as for front attachment on a profile piece with an M8 core hole. To reduce a ø 10.2 mm core hole to thread size M8, you can use a **FATH** Cutting Bush with Shank 09308801.

For installation on flat surfaces, the supplied slot fixing plates are simply omitted.

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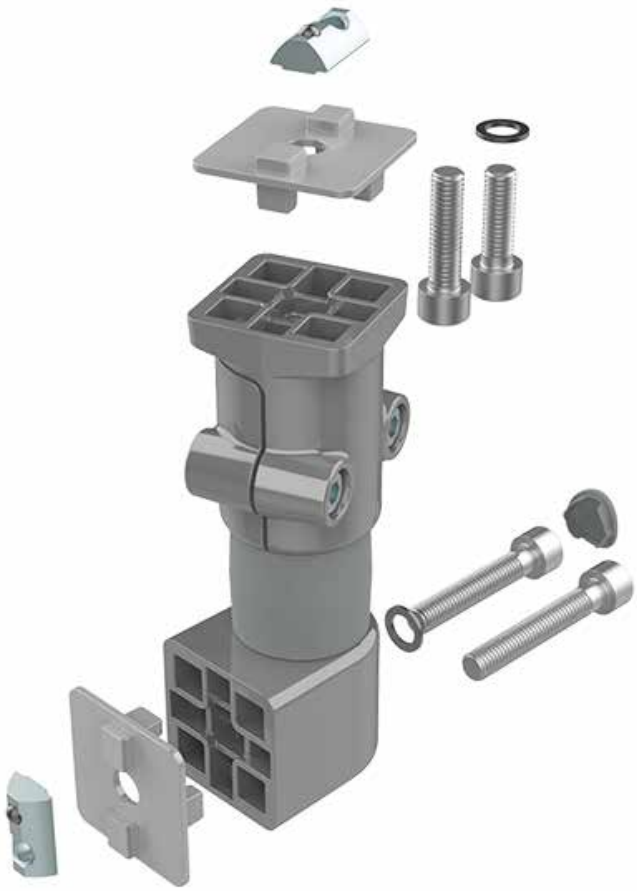
Easy to install and with different versions to suit your needs

Assembling the **FATH** Friction Joints is incredibly easy. The openings for the fixing screws are easily accessible from the outside – simply insert the screws through the joint halves and tighten the profile in the desired position. The mounting holes of the **FATH** Friction Joints are hidden with cover caps.

Optional M8 connection adapter

This stable connection to profiles with slot 8 or slot 10 is ideally suited for the construction of customized solutions. The M8 connection adapter can be attached to the profile both longitudinally and on the front. When using the centering piece, the central M8 screw connection can be secured against twisting. A friction joint half and an assembly set suitable for the profile size are required to install the M8 connection adapter at the end of your system arm.



Available in 7 different versions: with a fixed friction torque of 0.5 Nm, 3 Nm, 6 Nm, 9 Nm, 12 Nm or 15 Nm and with freely adjustable friction torque from light to strong.

Would you like to learn more about **FATH** Friction Joints?

frictionjoint.fath24.com

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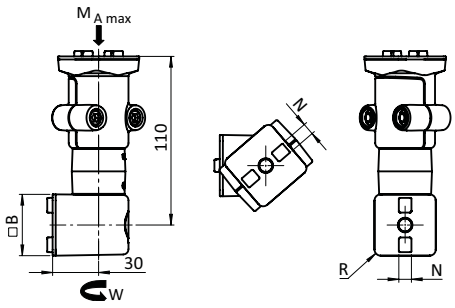
END FRICTION JOINT I40L FOR SYSTEM ARM (SET)

MODEL	40 mm Modular Dimension
DESCRIPTION	Connection joint with friction for the creation of system arms using profile pieces; pivotable 360°; End side can be attached lateral or transverse on the profile slot, friction axis is positioned at right angles to the profile; Friction joint side can be attached lateral, transverse, or on the face of the profile; if attached on the front face, the core hole of the respective profile must be M8 threaded (min. 15 mm deep)
MATERIAL	Housing: Aluminum die-cast Cover ring: Plastic Inserts: Steel Friction shaft: Steel Cover caps: Plastic Screws: Steel Washers: Steel Centering plates: Aluminum die-cast T-slot nuts: Steel
SURFACE	Housing: Laquered Centering plates: Laquered Screws: Zinc plated Washers: Zinc plated T-slot nuts: Zinc plated
COLOR	Housing: Alu color Cover ring: Gray ≈ RAL 7042 Cover caps: Gray ≈ RAL 7042 Centering plates: Alu color
SET	1 end friction joint 1 cover cap, 1 screw DIN EN ISO 4762 (DIN 912) - M8 x 45 (for T-slot nut friction joint side), 1 screw DIN EN ISO 4762 (DIN 912) - M8 x 25 (for T-slot nut end side), 1 screw DIN EN ISO 4762 (DIN 912) - M8 x 50 (for core hole friction joint side), 1 screw DIN EN ISO 4762 (DIN 912) - M8 x 30 (for core hole end side), 2 washers 8-FSt, 2 centering plates, 2 T-slot nuts - slot 8 - M8
PACK QUANTITY	1 set



W [Nm]	MA_{MAX} [Nm]	B [mm]	R [mm]	N	WEIGHT [g]	PROFILE	PART #
0.5	45.0	40	4.0	8	758.6	I	061FAZ40LN08
3	45.0	40	4.0	8	759.6	I	061FAN40LN08
6	45.0	40	4.0	8	761.6	I	061FAS40LN08
9	45.0	40	4.0	8	762.6	I	061FAM40LN08
12	45.0	40	4.0	8	764.6	I	061FAB40LN08
15	45.0	40	4.0	8	765.6	I	061FAL40LN08

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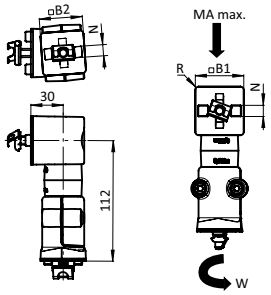
END FRICTION JOINT B45-B45L FOR SYSTEM ARM (SET)

MODEL	45 to 40 mm Modular Dimension
DESCRIPTION	Connection joint with friction for the creation of system arms using profile pieces; pivotable 360°; End side can be attached lateral or transverse on the profile slot, friction axis is positioned at right angles to the profile; Friction joint side can be attached lateral, transverse, or on the face of the profile; if attached on the front face, the core hole of the respective profile must be M8 threaded (min. 20 mm deep)
MATERIAL	Housing: Aluminum die-cast Cover ring: Plastic Inserts: Steel Friction shaft: Steel Cover caps: Plastic Screws: Steel Washers: Steel Centering plates: Aluminum die-cast T-slot nuts: Steel
SURFACE	Housing: Laquered Centering plates: Laquered Screws: Zinc plated Washers: Zinc plated T-slot nuts: Zinc plated
COLOR	Housing: Alu color Cover ring: Gray ≈ RAL 7042 Cover caps: Gray ≈ RAL 7042 Centering plates: Alu color
SET	1 end friction joint 1 cover cap, 1 screw DIN EN ISO 4762 (DIN 912) - M8 x 45 (for T-slot nut friction joint side), 1 screw DIN EN ISO 4762 (DIN 912) - M8 x 25 (for T-slot nut end side), 1 screw DIN EN ISO 4762 (DIN 912) - M8 x 50 (for core hole friction joint side), 1 screw DIN EN ISO 4762 (DIN 912) - M8 x 30 (for core hole end side), 2 washers 8-FSt, 1 centering plate - slot 10 - 45 x 45, 1 centering plate - slot 10 - 40 x 40, 2 T-slot nuts - slot 10 - M8
PACK QUANTITY	1 set



W [Nm]	MA_{MAX} [Nm]	R [mm]	N	B1 [mm]	B2 [mm]	WEIGHT [g]	PROFILE	PART #
0.5	45.0	3.0	10	45	40	761.2	B	061FAZ4540LN10
3.0	45.0	3.0	10	45	40	771.7	B	061FAN4540LN10
6.0	45.0	3.0	10	45	40	773.2	B	061FAS4540LN10
9.0	45.0	3.0	10	45	40	774.6	B	061FAM4540LN10
12.0	45.0	3.0	10	45	40	776.1	B	061FAB4540LN10
15	45.0	3.0	10	45	40	777.6	B	061FAL4540LN10

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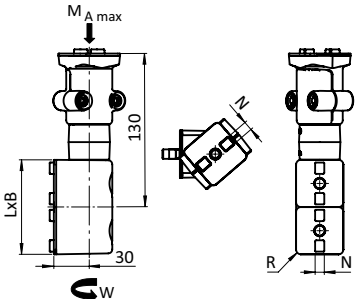
END FRICTION JOINT I80L FOR SYSTEM ARM (SET)

MODEL	40 mm Modular Dimension
DESCRIPTION	Connection joint with friction for the creation of system arms using profile pieces; pivotable 360°; End side can be attached lateral or transverse on the profile slot, friction axis is positioned at right angles to the profile; Friction joint side can be attached lateral, transverse, or on the face of the profile; if attached on the front face, the core hole of the respective profile must be M8 threaded (min. 15 mm deep)
MATERIAL	Housing: Aluminum die-cast Cover ring: Plastic Inserts: Steel Friction shaft: Steel Cover caps: Plastic Screws: Steel Washers: Steel Centering plates: Aluminum die-cast T-slot nuts: Steel
SURFACE	Housing: Laquered Centering plates: Laquered Screws: Zinc plated Washers: Zinc plated T-slot nuts: Zinc plated
COLOR	Housing: Alu color Cover ring: Gray ≈ RAL 7042 Cover caps: Gray ≈ RAL 7042 Centering plates: Alu color
SET	1 end friction joint 2 cover caps, 2 screws DIN EN ISO 4762 (DIN 912) - M8 x 45 (for T-slot nut friction joint side), 2 screws DIN EN ISO 4762 (DIN 912) - M8 x 25 (for T-slot nut end side), 1 screw DIN EN ISO 4762 (DIN 912) - M8 x 50 (for core hole friction joint side), 1 screw DIN EN ISO 4762 (DIN 912) - M8 x 30 (for core hole end side), 3 washers 8-FSt, 3 centering plates, 3 T-slot nuts - slot 8 - M8
PACK QUANTITY	1 set



W [Nm]	MA_{MAX} [Nm]	R [mm]	N	L X B [mm]	WEIGHT [g]	PROFILE	PART #
0.5	70.0	4.0	8	80 x 40	1049.5	I	061FAZ80LN08
3	70.0	4.0	8	80 x 40	1051.5	I	061FAN80LN08
6	70.0	4.0	8	80 x 40	1052.5	I	061FAS80LN08
9	70.0	4.0	8	80 x 40	1054.5	I	061FAM80LN08
12	70.0	4.0	8	80 x 40	1055.5	I	061FAB80LN08
15	70.0	4.0	8	80 x 40	1057.5	I	061FAL80LN08

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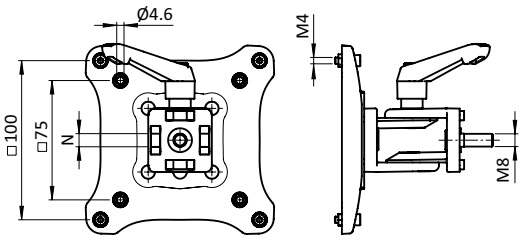
MONITOR MOUNT ZN WITH LOCKING LEVER (SET)

MODEL	Swivelling
DESCRIPTION	To fix flat screens to aluminum profile structures, VESA MIS-D 75/100 compatible, can be adjusted horizontally or vertically for optimum visibility, can be fixed with % locking lever at any angle; with separate locating pins for slot 8 and slot 10
MATERIAL	Monitor mounting plate: Plastic PA, glas fiber reinforced Pivot joint: Zinc die-cast % locking lever: Plastic PA, glas fiber reinforced
SURFACE	Pivot joint: Laquered
COLOR	Monitor mounting plate: Black Pivot joint: Alu colored Locking lever: Black
SET 1	1 monitor mounting plate 1 assembly set for monitor: 4 cylinder head screws M4 x 12, 4 washers 1 pivot joint 40 with locking lever 1 assembly set for profile: 1 screw M8 x 25 (frontal), 1 screw M8 x 16 (lateral), 2 locating pins
SET 2	1 monitor mounting plate 1 assembly set for monitor: 4 cylinder head screws M4 x 12, 4 washers 1 pivot joint 45 with locking lever 1 assembly set for profile: 1 screw M8 x 25 (frontal), 1 screw M8 x 16 (lateral), 2 locating pins
PACK QUANTITY	1 set
SPECIALS	Other colors on request
TIP	Cutting bush for the reduction of the Ø 10.2 mm core hole to thread size M8 see 09308801



SET	N	OPENING ANGLE	WEIGHT [g]	PART #
Set 1	- / 8 / 10	192°	434.0	061SM7510040FS03
Set 2	- / 8 / 10	190°	481.0	061SM7510045FS01

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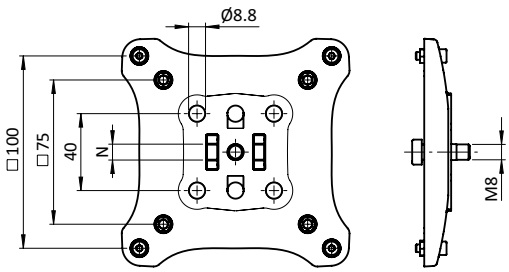
MONITOR MOUNTING PLATE

DESCRIPTION	To fix flat screens to aluminum profile structures, VESA MIS-D 75/100 compatible; with separate locating pins for slot 8 and slot 10
MATERIAL	Monitor mounting plate: Plastic PA, glass fiber reinforced
COLOR	Monitor mounting plate: Black
SET	1 monitor mounting plate 1 assembly set for monitor: 4 cylinder head screws M4x12, 4 washers assembly set for profile: M8x25 frontal and M8x16 slot side, 2 centering pieces
PACK QUANTITY	1 set
SPECIALS	Other colors on request
TIP	Cutting bush for the reduction of the Ø 10.2 mm core hole to thread size M8 see 09308801



N	WEIGHT [g]	PART #
- / 8 / 10	123.0	061SM751004045

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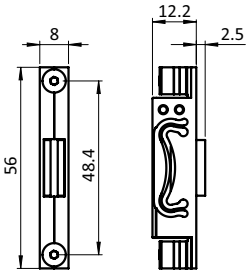
MAGNETIC HOLDER I, SLOT 8

MODEL	Plastic PA
DESCRIPTION	For easy storage of metal tools and objects on aluminum profiles, holding force 20 N; Easy installation and positioning in the slot by clipping in and then tightening the expanding clamps
MATERIAL	Magnetic holder: Plastic PA Magnet: Neodymium Assembly material: Steel
SURFACE	Assembly material: Zinc plated
COLOR	Magnetic holder: Gray ≈ RAL 7042
PACK QUANTITY	1 piece



N	WEIGHT [g]	PROFILE	PART #
8	11.2	I	093323

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MODULAR LED LAMPS AND POWER STRIPS F LINE

FATH LED Lamps and Power Strips F Line: The modular system for lighting and electricity in the workplace

- Remote dimming and remote switching
- Connect modules in series as needed
- Flexible lighting for every visual task
- Safe and space-saving light and power supply
- Tool-free one-handed adjustment with **FATH** Friction Joints
- ESD variants available
- Made in Germany

HIGHLIGHTS

With **FATH** LED Lamps and Power Strips F Line, you can provide light and power at assembly workstations in a single integrated unit – safely, flexibly and when you need it. The lighting and power supply modules are available in different versions, can be easily connected to one another and universally installed on frames, panels and metal or wooden elements. The I8 profile slot on the rear makes them particularly well-suited for mounting on aluminum profile systems.

Power supply is an important aspect of workplace planning. It should be provided on the same surface or at the same height as the tabletop. The wiring should be stowed safely and protected from damage. This can be easily achieved with **FATH** Power Strips F Line – without long cables and with practical connections that can be easily installed in the frame.

The LED lamps can be used as a top lamp or side lamp. Wider and facing workstations can also be equipped with an ideal arrangement of multiple lamps in series. You can flexibly combine the short version (16 watts) with the longer version (40 watts). The lamps can be connected directly to the mains thanks to the integrated control gear. On request, there is the option to dim several lights at the same time.

REMOTE DIMMING & REMOTE SWITCHING

Modular concept: Units can be used separately or in combination – total output of up to 3500 watts

Combine **FATH** LED Lamps and Power Strips F Line as your workplace requires – an elegant, space-saving solution. All modules have a compact external dimension of 60 x 60 mm. You can connect up to six modules in series and reach a total length of up to eight meters, including cables. The connection cables are available in various standard lengths. Your modular solution for light and power offers a total output of up to 3500 watts for your LED lights and work tools connected to the power strip.

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Directly dimmable LED lamp

In the directly dimmable variant of the LED lamp, the on/off function as well as the dimming are controlled using the dimming button on the input side of the lamp. The last light intensity setting is saved and automatically retrieved the next time the device is switched on.

Remote switching via the power strip

If you connect a **FATH** Power Strip to an LED lamp, you can remotely switch off the lamp using the large switch on the power strip. The power to the outlets can be disconnected by the switch but will still continue to flow through to the LED lamp. Even though the outlets are deactivated, the light supply is not affected. If several lights are connected in series on a single power strip, all the lights can be switched on and off with a single click of the switch. If directly dimmable LED lights are used, each light is dimmed as needed.

Convenient remote dimming via the power strip

If the LED lamp is connected to a **FATH** Power Strip that has a dimming button at the output, the light intensity can be adjusted by pressing the dimming button. Each employee can easily adjust the required light intensity for each visual task – regardless of their height and work position. The on/off function for the LED lamp is integrated in the dimming button. One particularly clever feature: In this variant, the dimming strength is stored in the lighting electronics and controlled via a signal from the power strip.

High light quality and energy-saving operation

Thanks to the conical prism disc, **FATH** LED Lamps provide the workstation with a uniform, glare- and flicker-free luminous flux in workplace-friendly neutral white. They consume significantly less electricity than conventional lights and are virtually maintenance-free thanks to the long service life of up to 100,000 hours for modern LEDs.

Multiple assembly tables

If two assembly workstations are to be supplied with power and light during production, you can, for example, equip both workstations with one LED lamp each and two power strips and connect all six modules with cables. The power is then supplied from one side in series. For example, if you use two 40-watt LED lamps, a total of 3,420 watts of power remains for the outlets.

With the **FATH** solution for light and electricity, two facing work tables can be supplied compactly and at the same time with enough outlets for the power consumers.

USB for media use at the workplace

FATH Power Strips F Line are also available in a version with an integrated USB port. This means, for example, that tablets for providing information can be operated or charged directly via SMART-IC on the permanently installed power infrastructure – without a power supply unit.

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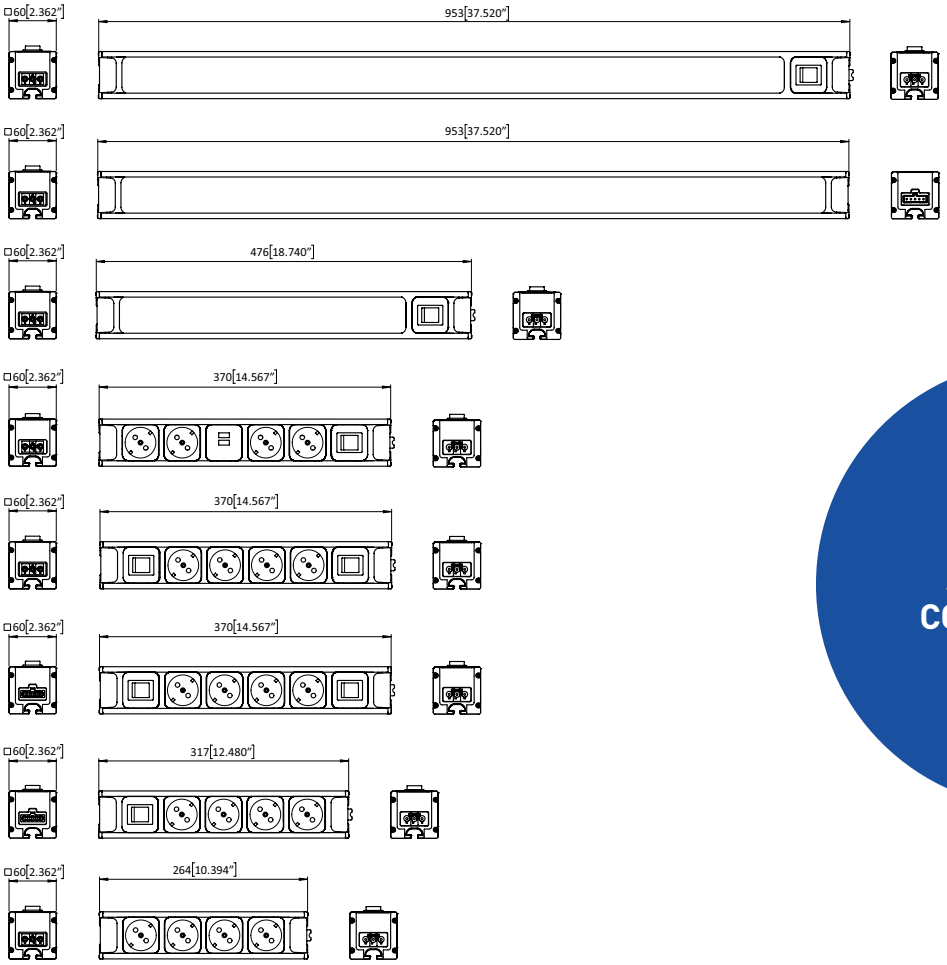

SINGLE USE
COMBINED USE

ESD variants: Light and power for ESD-compliant workstations

FATH LED Lamps and Power Strips F Line are also available for ESD-protected workstations. The aluminum body has an electrostatic discharge coating in black.

Standard modules without ESD protection in clear anodized aluminum with blue illuminated switch or dimming button

Black F Line modules in ESD design with illuminated switch or dimming button in signal orange

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Flexible installation with a wide range of accessories

The modules for light and power can be attached to almost any stable support using the slot on the back. Many different installation elements are available: direct connectors, T-connector plates, steel brackets, track connectors and friction joints. All types of installation are designed for fixed installation of the modules in order to ensure safe operation.

Connecting Strip
140 l, Slot 8,
096060S02

Direct Connector,
099DC084040N08

T-connector Plate
D28, 093VAD28V

Steel Connection
Angle 40 EH
093WU4060V
093WU4080V

Friction Joints

End Friction Joints

Would you like to learn more about **FATH** LED Lamps and Power Strips F Line?

module-f-line.fath24.com

Safe installation of the F Line system

Electrical connections of the F Line system modules are made using practical accessories. If you need a greater distance between the modules, the system can be configured with connection cables of different lengths. You can connect individual modules for light and power directly to each other by using a connection coupling. All **FATH** LED Lamps and Power Strips F Line are equipped with three or five-pin receptacles. Unused sockets are covered with plastic end caps, which can be ordered if required.

Numerous solutions for optimal cable attachment are available for the safe and compact cabling of your light and power system.

More on **FATH** Cable Attachments:
cable-fixation.fath24.com

Pure flexibility: FATH LED Lamps F Line combined with FATH Friction Joints

You can achieve highly flexible lighting using **FATH** LED Lamps in combinaton with **FATH** Friction Joints. The employee can easily adjust and turn the LED lamp at any time as needed – without tools or screws. The friction keeps the lamp securely in the desired position.

More on **FATH** Friction Joints:
frictionjoint.fath24.com

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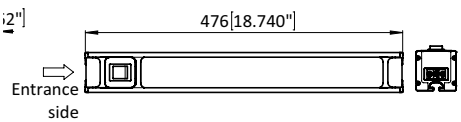
LED LAMP MODULE F LINE I 476, INPUT DIMMABLE

DESCRIPTION	LED Lamp with dimmer button for power and light suppy at work stations On the backside with slot 8 for mounting on aluminum profiles
MATERIAL	Housing: Aluminum End caps: Plastic PA, carbon fibre reinforced Diffusing screen: Polycarbonate Dimmer button: Plastic ABS/PA
SURFACE	Housing standard version: Anodized Housing ESD electrostatical discharging version: Powder coated
COLOR	Housing standard version: - Housing ESD electrostatical discharging version: Black End caps: Black Diffusing screen: transparent Dimmer button standard version: Blue Dimmer button ESD electrostatical discharging version: Orange
LENGTH	476 mm
BEAM ANGLE	80°
COLOR RENDERING INDEX	Ra = 85
COLOR TEMPERATURE	4000 K
IP RATING	IP20
LED LIFETIME	> 100000 h
LUMINOUS EFFICACY	86 lm/W
LUMINOUS FLUX	1396 lm
OPERATING CURRENT	Max. 16 A
OPERATING TEMPERATURE	0 - 40° C
OPERATING VOLTAGE / FREQUENCY	230 V, AC / 50 Hz
POWER INPUT	17 W
PROTECTION CLASS	I (1)
PACK QUANTITY	1 piece
SPECIALS	Other lengths, other colors on request
TIP	Compatible power strip see 6SBEU04I.264 Compatible connection cable see 6ACP5J516B.2000 Compatible connection coupling see 6SAKP3J316B Compatible cover cap for 3 pole female connector see 063SGF3S01 Compatible direct connector I, slot 8 see 099DC084040N08 Compatible direct connector I / B, Slot 8 / 10 see 099DC084045N10
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



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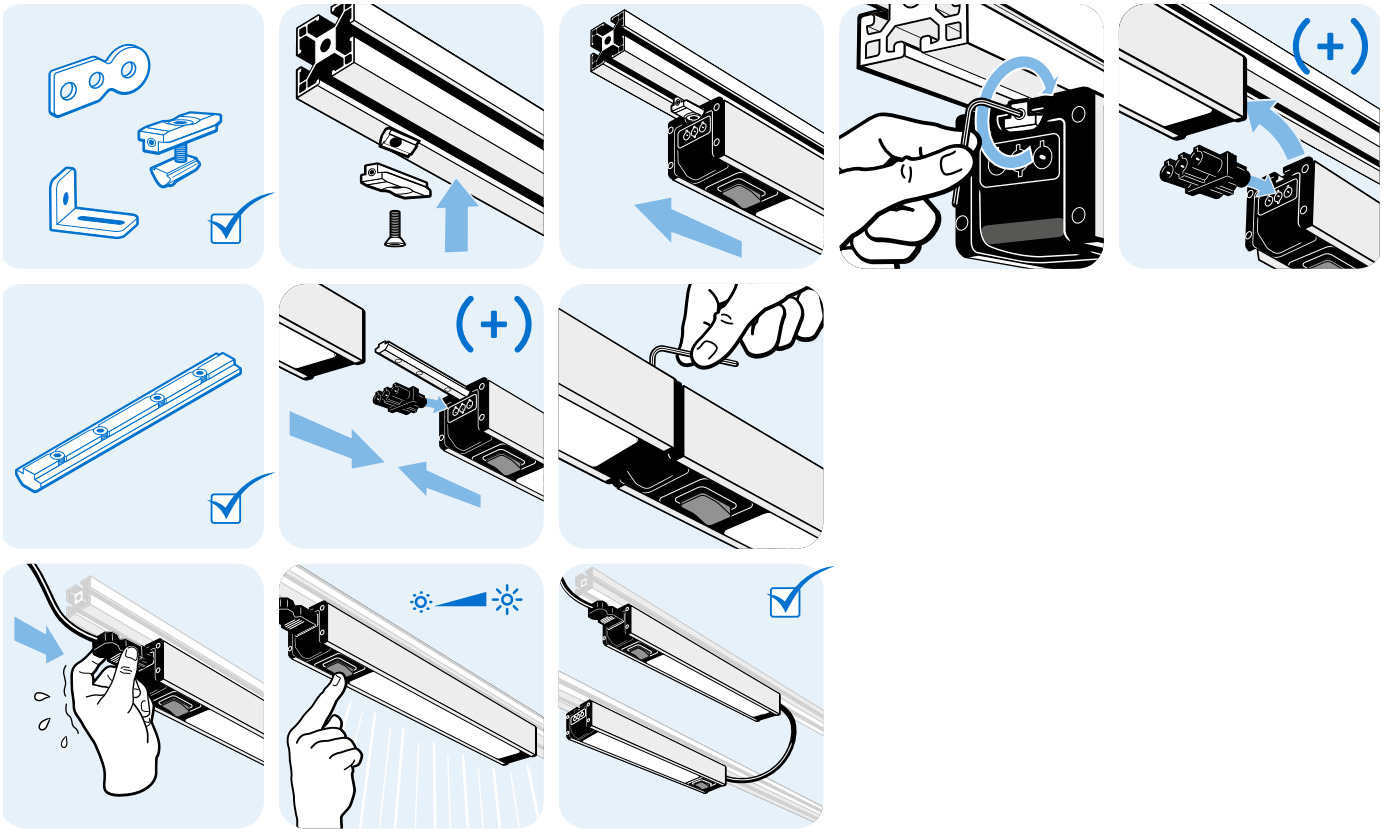
LED LAMP MODULE F LINE I 476, INPUT DIMMABLE

	ESD	SLOT	WEIGHT [g]	PROFILE	PART #
		8	1360.0	I	6SL1040DI.476
	ESD	8	1360.0	I	6SL1040DIE.476



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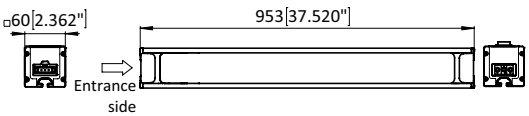
LED LAMP MODULE F LINE I 953

DESCRIPTION	Remote dimmable LED Lamp for power and light suppy at work stations Input side only compatible with power strip Modul F Line with dimmable exit On the backside with slot 8 for mounting on aluminum profiles
MATERIAL	Housing: Aluminum End caps: Plastic PA, carbon fibre reinforced Diffusing screen: Polycarbonate Dimmer button: Plastic ABS/PA
SURFACE	Housing standard version: Anodized Housing ESD electrostatical discharging version: Powder coated
COLOR	Housing standard version: - Housing ESD electrostatical discharging version: Black End caps: Black Diffusing screen: transparent Dimmer button standard version: Blue Dimmer button ESD electrostatical discharging version: Orange
LENGTH	953 mm
BEAM ANGLE	79°
COLOR RENDERING INDEX	Ra=85
COLOR TEMPERATURE	4000 K
IP RATING	IP20
LED LIFETIME	> 100000 h
LUMINOUS EFFICACY	86 lm/W
LUMINOUS FLUX	3294 lm
OPERATING CURRENT	Max. 16 A
OPERATING TEMPERATURE	0 - 40° C
OPERATING VOLTAGE / FREQUENCY	230 V, AC / 50 Hz
POWER INPUT	40 W
PROTECTION CLASS	I (1)
PACK QUANTITY	1 piece
SPECIALS	Other lengths, other colors on request
TIP	Compatible power strip Module F Line, output dimmable see 6SBEU24DIE.370 Compatible connection cable see 6ACP5J516B.2000 Compatible connection coupling see 6SAKP3J316B Compatible cover cap for 3 pole female connector see 063SGF3S01 Compatible direct connector I, slot 8 see 099DC084040N08 Compatible direct connector I / B, Slot 8 / 10 see 099DC084045N10
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



ESD	SLOT	WEIGHT [g]	PROFILE	PART #
	8	2420.0	I	6SL0040I.953
ESD	8	2420.0	I	6SL0040IE.953

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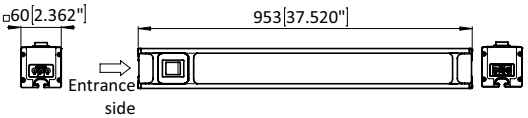
LED LAMP MODULE F LINE I 953, INPUT DIMMABLE

DESCRIPTION	LED Lamp with dimmer button for power and light suppy at work stations On the backside with slot 8 for mounting on aluminum profiles
MATERIAL	Housing: Aluminum End caps: Plastic PA, carbon fibre reinforced Diffusing screen: Polycarbonate Dimmer button: Plastic ABS/PA
SURFACE	Housing standard version: Anodized Housing ESD electrostatical discharging version: Powder coated
COLOR	Housing standard version: - Housing ESD electrostatical discharging version: Black End caps: Black Diffusing screen: transparent Dimmer button standard version: Blue Dimmer button ESD electrostatical discharging version: Orange
LENGTH	953 mm
BEAM ANGLE	79°
COLOR RENDERING INDEX	Ra=85
COLOR TEMPERATURE	4000 K
IP RATING	IP20
LED LIFETIME	> 100000 h
LUMINOUS EFFICACY	86 lm/W
LUMINOUS FLUX	3294 lm
OPERATING CURRENT	Max. 16 A
OPERATING TEMPERATURE	0 - 40° C
OPERATING VOLTAGE / FREQUENCY	230 V, AC / 50 Hz
POWER INPUT	40 W
PROTECTION CLASS	I (1)
PACK QUANTITY	1 piece
SPECIALS	Other lengths, other colors on request
TIP	Compatible power strip see 6SBEU04I.264 Compatible main power cable see 6SAME4J316B.2000 Compatible connection cable see 6ACP5J516B.2000 Compatible cover cap for 3 pole female connector see 063SGF3S01 Compatible direct connector I, slot 8 see 099DC084040N08 Compatible direct connector I / B, Slot 8 / 10 see 099DC084045N10
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



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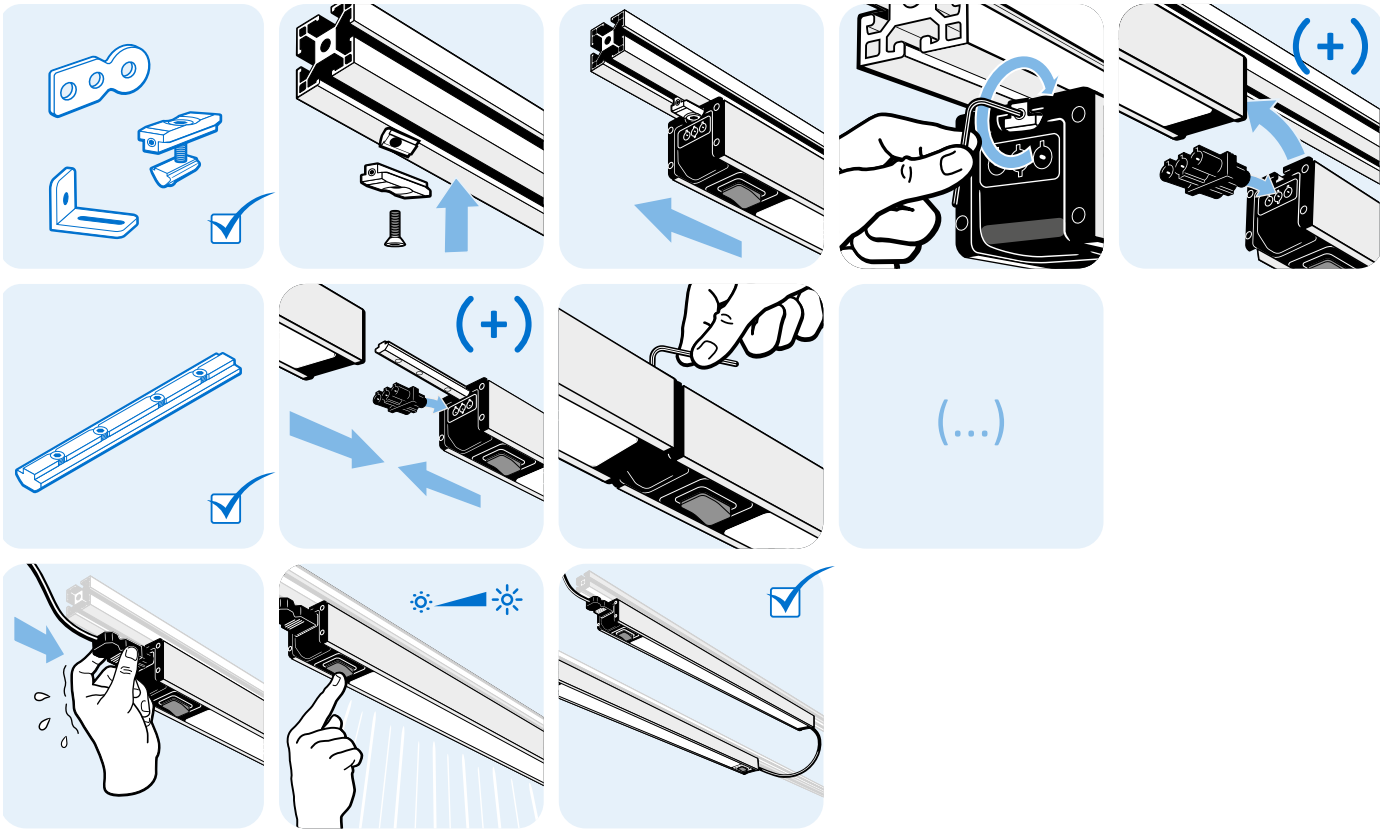
LED LAMP MODULE F LINE I 953, INPUT DIMMABLE

	ESD	SLOT	WEIGHT [g]	PROFILE	PART #
		8	2420.0	I	6SL1040DI.953
	ESD	8	2420.0	I	6SL1040DIE.953



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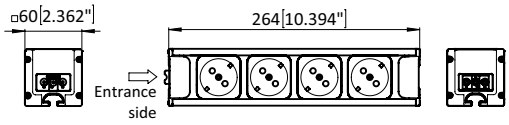
POWER STRIP MODULE F LINE 264 4-WAY 4X

DESCRIPTION	Power strip with sockets for power supply at workstations; On the backside with slot 8 for mounting on aluminum profiles
MATERIAL	Housing: Aluminum End caps: Plastic PA, carbon fibre reinforced Socket inserts: Plastic PA
SURFACE	Housing standard version: Anodized Housing ESD electrostatical discharging version: Powder coated
COLOR	Housing standard version: - Housing ESD electrostatical discharging version: Black End caps: Black Socket inserts: Black
LENGTH	264 mm
IP RATING	IP20
MAX. CONNECTION POWER	3500 W
OPERATING CURRENT	Max. 16 A
OPERATING TEMPERATURE	0 - 40° C
OPERATING VOLTAGE / FREQUENCY	230 V, AC / 50 Hz
PROTECTION CLASS	II (2)
PACK QUANTITY	1 piece
SPECIALS	Further colors, individually configurated power strips on request
TIP	Compatible LED lamp see 6SL0040I.953 Compatible main power cable see 6SAME4J316B.2000 Compatible connection cable see 6ACP5J516B.2000 Compatible connection coupling see 6SAKP3J316B Compatible cover cap for 3 pole female connector see 063SGF3S01 Compatible direct connector I, slot 8 see 099DC084040N08 Compatible direct connector I / B, Slot 8 / 10 see 099DC084045N10
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



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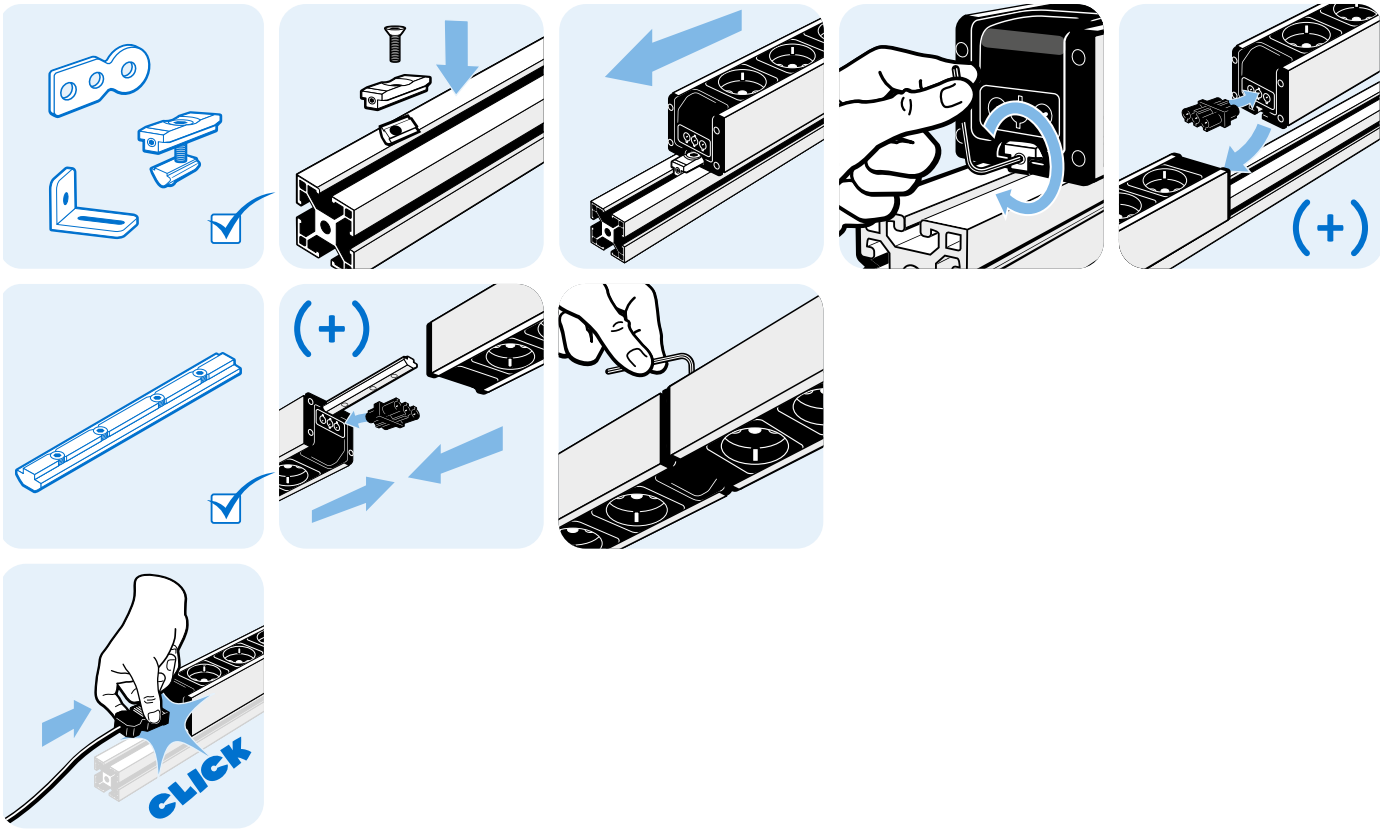
POWER STRIP MODULE F LINE 264 4-WAY 4X

	ESD	SLOT	SOCKET TYPE	WEIGHT [g]	PROFILE	PART #
		8	EU: CEE 7/3 (Type F)	566.0	I	6SBEU04I.264
	ESD	8	EU: CEE 7/3 (Type F)	566.0	I	6SBEU04IE.264



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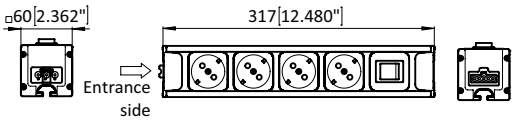
POWER STRIP MODULE F LINE 317 5-WAY 4X, OUTPUT DIMMABLE

DESCRIPTION	Power strip with sockets for power supply at workstations; With remote dimming for series-connected LED lamps Modul F Line; Combination on output side only possible with remote dimmable LED lamp module F Line; On the backside with slot 8 for mounting on aluminum profiles
MATERIAL	Housing: Aluminum End caps: Plastic PA, carbon fibre reinforced Socket inserts: Plastic PA Button: Plastic ABS / PA
SURFACE	Housing standard version: Anodized Housing ESD electrostatical discharging version: Powder coated
COLOR	Housing standard version: - Housing ESD electrostatical discharging version: Black End caps: Black Socket inserts: Black Dimmer button standard version: Blue Dimmer button ESD electrostatical discharging version: Orange
LENGTH	317 mm
IP RATING	IP20
MAX. CONNECTION POWER	3500 W
OPERATING CURRENT	Max. 16 A
OPERATING TEMPERATURE	0 - 40° C
OPERATING VOLTAGE / FREQUENCY	230 V, AC / 50 Hz
PROTECTION CLASS	II (2)
PACK QUANTITY	1 piece
SPECIALS	Further colors, individually configurated power strips on request
TIP	Compatible LED lamp see 6SL0040I.953 Compatible main power cable see 6SAME4J316B.2000 Compatible connection cable see 6ACP5J516B.2000 Compatible direct connector I, slot 8 see 099DC084040N08 Compatible direct connector I / B, Slot 8 / 10 see 099DC084045N10
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



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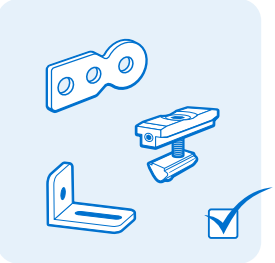
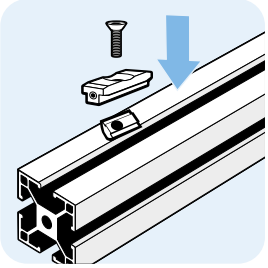
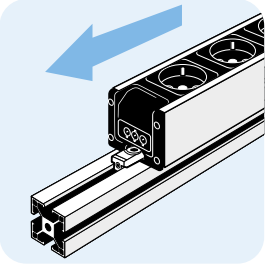
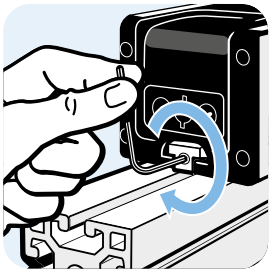
POWER STRIP MODULE F LINE 317 5-WAY 4X, OUTPUT DIMMABLE

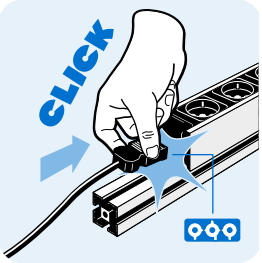
ESD	SLOT	SOCKET TYPE	WEIGHT [g]	PROFILE	PART #
	8	EU: CEE 7/3 (Type F)	590.0	I	6SBEU14DI.317
ESD	8	EU: CEE 7/3 (Type F)	590.0	I	6SBEU14DIE.317

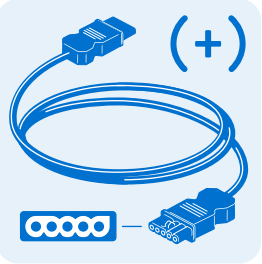


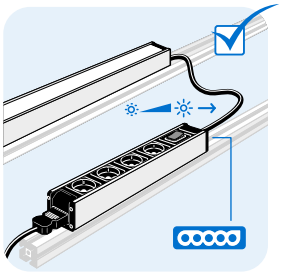












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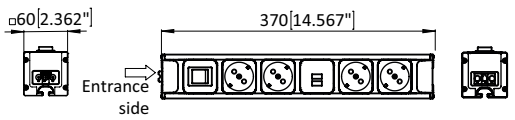
POWER STRIP MODULE F LINE 370 6-WAY 4X + USB, INPUT SWITCHABLE

DESCRIPTION	Switchable power strip with sockets for power supply at workstations, with 2x USB charging sockets USB 2.0 Typ A with smart IC; On the backside with slot 8 for mounting on aluminum profiles
MATERIAL	Housing: Aluminum End caps: Plastic PA, carbon fibre reinforced Socket inserts: Plastic PA USB sockets: Plastic ABS Switch: Plastic ABS / PA
SURFACE	Housing: Anodized
COLOR	Housing: - End caps: Black Socket inserts: Black Switch: Blue
LENGTH	370 mm
IP RATING	IP20
MAX. CONNECTION POWER	3500 W
MAX. USB CHARGING CURRENT	3000 mA
OPERATING CURRENT	Max. 16 A
OPERATING TEMPERATURE	0 - 40° C
OPERATING VOLTAGE / FREQUENCY	230 V, AC / 50 Hz
PROTECTION CLASS	II (2)
USB CHARGING VOLTAGE	5.0 V
PACK QUANTITY	1 piece
SPECIALS	Further colors, individually configurated power strips on request
TIP	Compatible LED lamp see 6SL0040I.953 Compatible main power cable see 6SAME4J316B.2000 Compatible connection cable see 6ACP5J516B.2000 Compatible connection coupling see 6SAKP3J316B Compatible cover cap for 3 pole female connector see 063SGF3S01 Compatible direct connector I, slot 8 see 099DC084040N08 Compatible direct connector I / B, Slot 8 / 10 see 099DC084045N10
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



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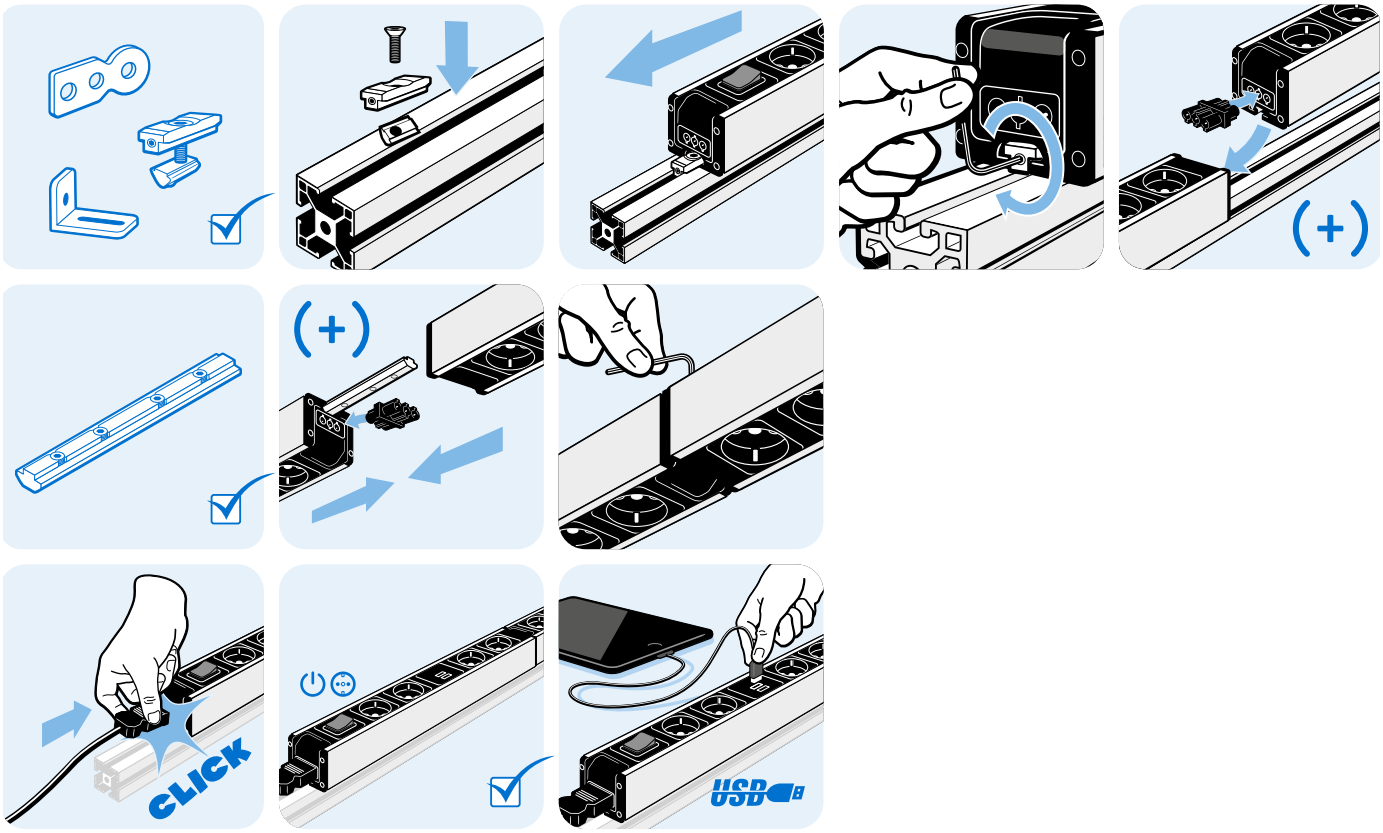
POWER STRIP MODULE F LINE 370 6-WAY 4X + USB, INPUT SWITCHABLE

SLOT	SOCKET TYPE	WEIGHT [g]	PROFILE	PART #
8	EU: CEE 7/3 (Type F)	738.0	I	6SBEU14UI.370



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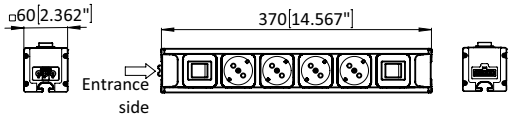
POWER STRIP MODULE F LINE 370 6-WAY 4X, INPUT SWITCHABLE, OUTPUT DIMMABLE

DESCRIPTION	Switchable power strip with sockets for power supply at workstations; With remote dimmer for series-connected LED lamps Modul F Line; Combination on output side only possible with remote dimmable LED lamp module F Line; On the backside with slot 8 for mounting on aluminum profiles
MATERIAL	Housing: Aluminum End caps: Plastic PA, carbon fibre reinforced Socket inserts: Plastic PA Switch/ Button: Plastic ABS / PA
SURFACE	Housing standard version: Anodized Housing ESD electrostatical discharging version: Powder coated
COLOR	Housing standard version: - Housing ESD electrostatical discharging version: Black End caps: Black Socket inserts: Black Switch and dimmer button standard version: Blue Switch and dimmer button ESD electrostatical discharging version: Orange
LENGTH	370 mm
IP RATING	IP20
MAX. CONNECTION POWER	3500 W
OPERATING CURRENT	Max. 16 A
OPERATING TEMPERATURE	0 - 40° C
OPERATING VOLTAGE / FREQUENCY	230 V, AC / 50 Hz
PROTECTION CLASS	II (2)
PACK QUANTITY	1 piece
SPECIALS	Further colors, individually configurated power strips on request
TIP	Compatible LED lamp see 6SL0040I.953 Compatible main power cable see 6SAME4J316B.2000 Compatible connection cable see 6ACP5J516B.2000 Compatible direct connector I, slot 8 see 099DC084040N08 Compatible direct connector I / B, Slot 8 / 10 see 099DC084045N10
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



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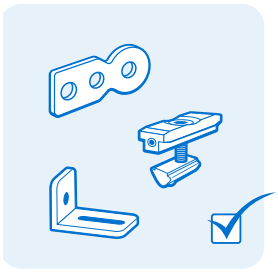
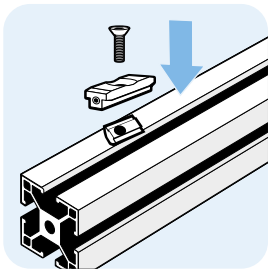
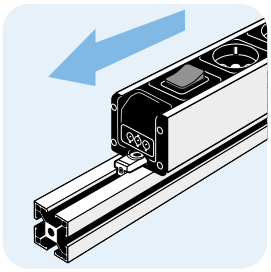
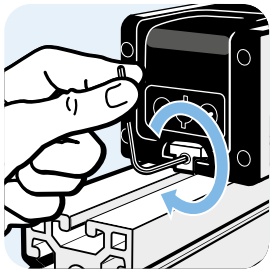
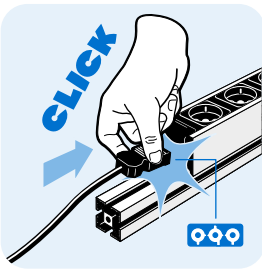
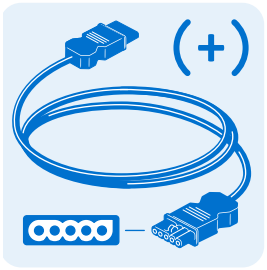
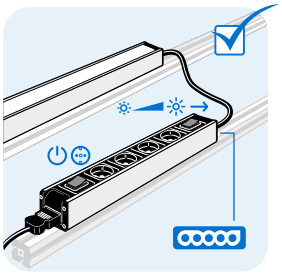
POWER STRIP MODULE F LINE 370 6-WAY 4X, INPUT SWITCHABLE, OUTPUT DIMMABLE

ESD	SLOT	SOCKET TYPE	WEIGHT [g]	PROFILE	PART #
	8	EU: CEE 7/3 (Type F)	699.0	I	6SBEU24DI.370
ESD	8	EU: CEE 7/3 (Type F)	699.0	I	6SBEU24DIE.370





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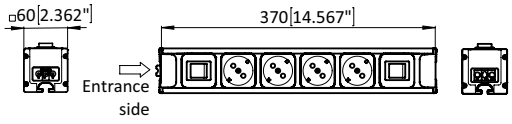
POWER STRIP MODULE F LINE 370 6-WAY 4X, INPUT SWITCHABLE, OUTPUT SWITCHABLE

DESCRIPTION	Switchable power strip with sockets for power supply at workstations; Switchable output of power strip; On the backside with slot 8 for mounting on aluminum profiles
MATERIAL	Housing: Aluminum End caps: Plastic PA, carbon fibre reinforced Socket inserts: Plastic PA Switches: Plastic ABS / PA
SURFACE	Housing standard version: Anodized Housing ESD electrostatical discharging version: Powder coated
COLOR	Housing standard version: - Housing ESD electrostatical discharging version: Black End caps: Black Socket inserts: Black Switch standard version: Blue Switch ESD electrostatical discharging version: Orange
LENGTH	370 mm
IP RATING	IP20
MAX. CONNECTION POWER	3500 W
OPERATING CURRENT	Max. 16 A
OPERATING TEMPERATURE	0 - 40° C
OPERATING VOLTAGE / FREQUENCY	230 V, AC / 50 Hz
PROTECTION CLASS	II (2)
PACK QUANTITY	1 piece
SPECIALS	Further colors, individually configurated power strips on request
TIP	Compatible LED lamp see 6SL0040I.953 Compatible main power cable see 6SAME4J316B.2000 Compatible connection cable see 6ACP5J516B.2000 Compatible direct connector I, slot 8 see 099DC084040N08 Compatible direct connector I / B, Slot 8 / 10 see 099DC084045N10
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



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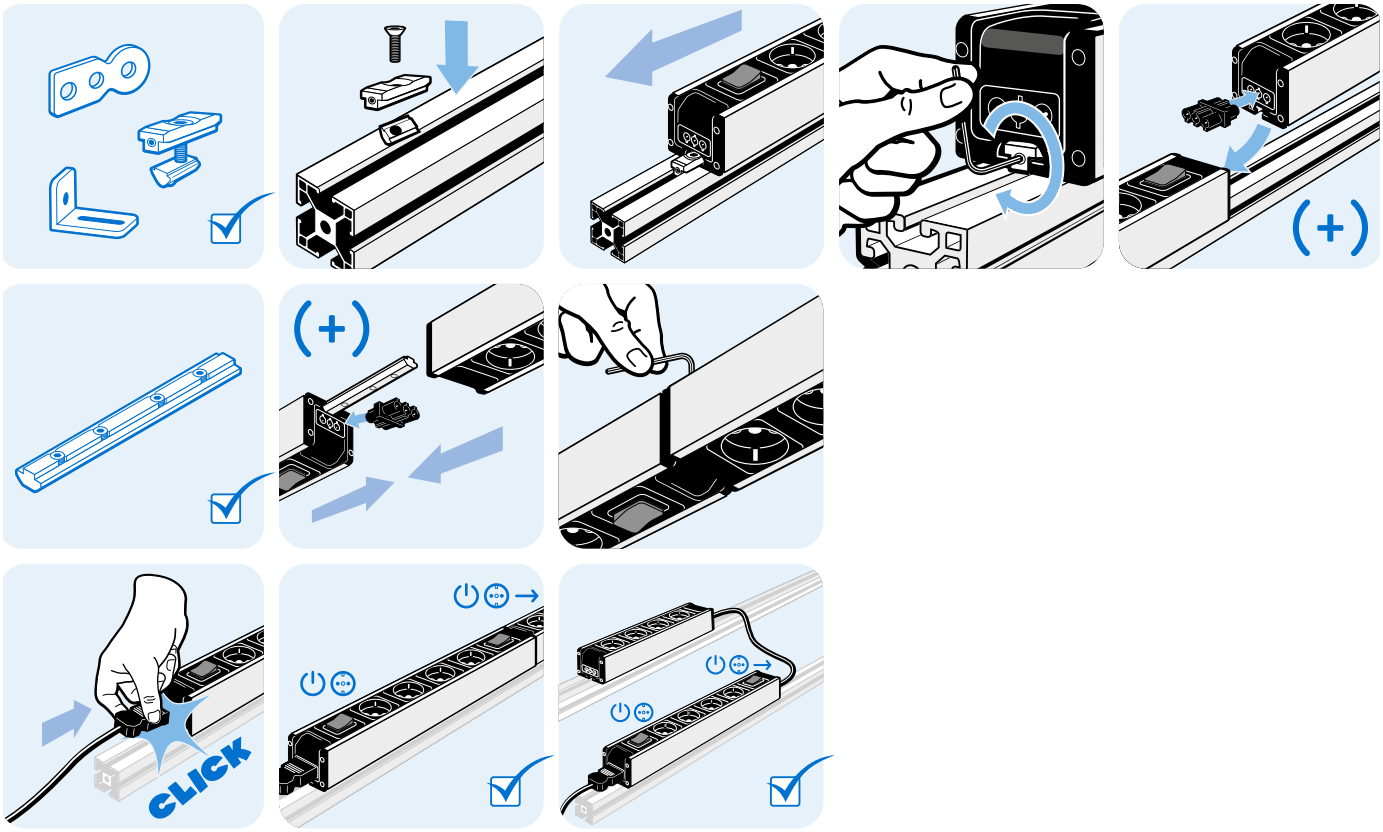
POWER STRIP MODULE F LINE 370 6-WAY 4X, INPUT SWITCHABLE, OUTPUT SWITCHABLE

	ESD	SLOT	SOCKET TYPE	WEIGHT [g]	PROFILE	PART #
		8	EU: CEE 7/3 (Type F)	698.0	I	6SBEU24I.370
	ESD	8	EU: CEE 7/3 (Type F)	698.0	I	6SBEU24IE.370



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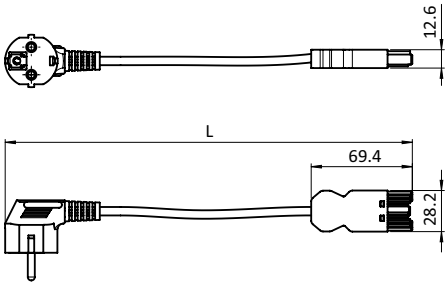
MAIN POWER CABLE GST18I3 FOR MODULE F LINE

DESCRIPTION	3 wire cable for power supply of LED lamps and power strips Module F Line
MATERIAL	Cable insulation: Plastic PVC Plugs: Plastic PA
COLOR	Black
CABLE CROSS SECTION	1.5 mm²
CABLE TYPE	H05VV-F
IP RATING	IP20
PERMANTENT TEMPERATURE RESISTANCE	70° C
RATED CURRENT	16 A
RATED VOLTAGE	250 V
PACK QUANTITY	1 piece
TIP	Compatible power strip see 6SBEU24I.370 Compatible LED lamp see 6SL1040DI.953
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



MAIN POWER CABLE GST18I3 FOR MODULE F LINE	L [mm]	WEIGHT [g]	PART #
Black	2000.0	262.8	6SAME4J316B.2000
Black	4000.0	445.0	6SAME4J316B.4000

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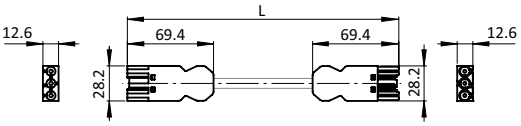
CONNECTION CABLE GST18I3 FOR MODULE F LINE

DESCRIPTION	3 wire cable to connect LED lamps and power strips Module F Line
MATERIAL	Cable insulation: Plastic PVC Plugs: Plastic PA
COLOR	Black
CABLE CROSS SECTION	1.5 mm²
CABLE TYPE	H05VV-F
IP RATING	IP20
PERMANTENT TEMPERATURE RESISTANCE	70° C
RATED CURRENT	16 A
RATED VOLTAGE	250 V
PACK QUANTITY	1 piece
TIP	Compatible power strip see 6SBEU14UI.370 Compatible LED lamp see 6SL1040DI.953
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



CONNECTION CABLE GST18I3 FOR MODULE F LINE	L [mm]	WEIGHT [g]	PART #
Black	2000.0	221.9	**6SACP3J316B.2000**
Black	4000.0	381.5	**6SACP3J316B.4000**

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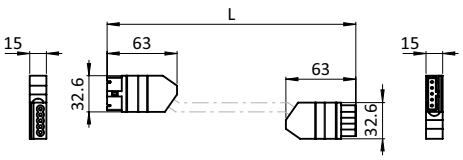
CONNECTION CABLE GST15I5 FOR MODULE F LINE

DESCRIPTION	5 wire cable to connect LED lamps with remote dimmer and power strips Module F Line
MATERIAL	Cable insulation: Plastic PVC Plugs: Plastic PA
COLOR	Black
CABLE CROSS SECTION	1.5 mm²
CABLE TYPE	H05VV-F
IP RATING	IP20
PERMANTENT TEMPERATURE RESISTANCE	70° C
RATED CURRENT	16 A
RATED VOLTAGE	250 V
PACK QUANTITY	1 piece
TIP	Compatible power strip see 6SBEU24DU.370 compatible LED lamp see 6SL0040I953
TIP 2	Please note: Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



CONNECTION CABLE GST15I5 FOR MODULE F LINE	L [mm]	WEIGHT [g]	PART #
Black	2000.0	357.9	6SACP5J516B.2000
Black	4000.0	711.0	6SACP5J516B.4000

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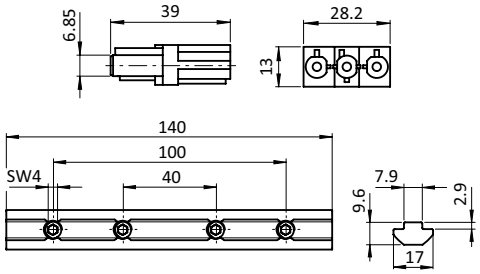
CONNECTION COUPLING GST18I3 FÜR MODULE F LINE (SET)

DESCRIPTION	3 pole coupling piece to directly connect LED lamps and power strips Module F Line
MATERIAL	Connection coupling: Plastic PA Connector T-slot nut: Steel
SURFACE	Connector T-slot nut: Zinc-plated
COLOR	Connection coupling: Black
IP RATING	IP20
PERMANTENT TEMPERATURE RESISTANCE	70° C
RATED CURRENT	20 A
RATED VOLTAGE	250 V
SET	1 connection coupling 1 connector T-slot nut 4 grub screws M8 x 10 mm
PACK QUANTITY	1 set
TIP	Compatible power strip see 6SBEU04I.264 Compatible LED lamp see 6SL1040DI.476
TIP 2	Please note: Usage of connection coupling only in combination with connector T-slot nut permitted Max. chaining of 6 modules, 8 m or 3500 watts for Module F Line



CONNECTION COUPLING GST18I3 FÜR MODULE F LINE (SET)	WEIGHT [g]	PART #
	136.0	6SAKP3J316BS01

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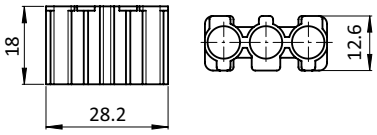
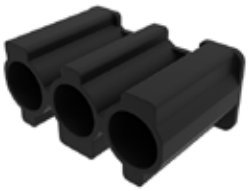
COVER CAP GST18I3 FOR MODULE F LINE

DESCRIPTION	Cover cap to cover three pole sockets of LED lamps and power strips Module F Line
MATERIAL	Plastic PA
COLOR	Black
PACK QUANTITY	100 pieces
TIP	Compatible power strip see 6SBEU24I.370 Compatible LED lamp see 6SL1040DI.953





COVER CAP GST18I3 FOR MODULE F LINE	WEIGHT [g]	PART #
Black	2.0	063SGF3S01

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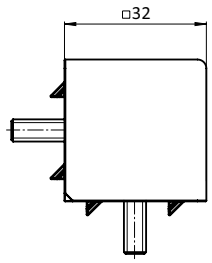
FRAME CORNER CONNECTOR 18 X 32 FOR CLAMP PROFILE (SET)

MODEL	Slot 8
DESCRIPTION	To connect two clamp profiles 18 x 32 at right angles
MATERIAL	Frame Corner Connector: Aluminum die-cast Screws: Steel
SURFACE	Frame Corner Connector: Laquered Screws: Zinc plated
COLOR	Frame Corner Connector: Alu color
SET	1 Frame Corner Connector, 2 screws ISO 7380 - M5 x 16
PACK QUANTITY	10 set
TIP	Compatible Sliding Door Guide Insert for Frame Corner Connector 18 x 32 (Set) see 093WWCI18321S01



WEIGHT [g]	PROFILE	PART #
25.9	I	093WWC1832N08S01

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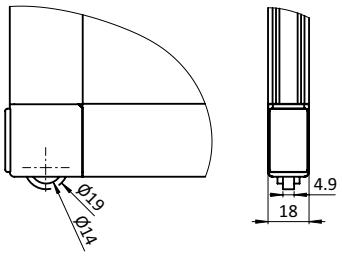
SLIDING DOOR GUIDE INSERT FOR FRAME CORNER CONNECTOR 18 X 32 (SET)

MODEL	Slot 5
DESCRIPTION	To guide lift or sliding doors in the slot of an aluminum profile, to insert in the frame corner connector 18 x 32 for clamp profile
MATERIAL	Guide insert: Plastic PA, glass fiber reinforced
COLOR	Guide insert: Gray ≈ RAL 7042
SET	1 guide insert, 1 cover cap, 1 stopper
PACK QUANTITY	10 set
TIP	Compatible frame corner connector 18 x 32 for clamp profile (Set) see 093WWC18321N08S01



WEIGHT [g]	PROFILE	PART #
10.2	I	093WWCI18321S01

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HOLDING BRACKET ST / XST D30

MODEL	For roller tracks ST
DESCRIPTION	To mount roller tracks ST and guiding rails ST central to tubular frame profiles with Ø 30 mm outer diameter, preventing inserts from slipping out
MATERIAL	Steel
SURFACE	Zinc plated
SET	5 self-drilling screws DIN 7504 Form N - 3.9 x 16
PACK QUANTITY	10 pieces
SPECIALS	Other surfaces, other colors on request

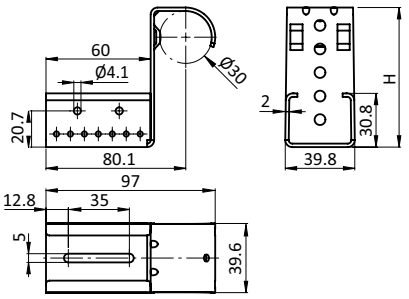

FIG.	HOLDING BRACKET ST / XST D30	H [mm]	WEIGHT [g]	PART #
①	Without end stop	30.8	161.0	062MHD30MS01
②	With end stop	65	171.0	062MHSD30MS03
		80	173.0	062MHSD30MS01

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VARIABLE HOLDING BRACKET ST / XST D30

MODEL	For roller tracks ST
DESCRIPTION	Transition between roller track profiles with varying inclination, to mount roller track profiles ST / XST and guiding rails ST / XST central at different angles to tubular frame profiles with Ø 30 mm outer diameter, preventing inserts from slipping out
MATERIAL	Steel
SURFACE	Zinc plated
FASTENING	with 5 or 6 self-drilling screws DIN 7504 Form N - 3.9 x 16
PACK QUANTITY	10 pieces
SPECIALS	Other surfaces, other colors on request

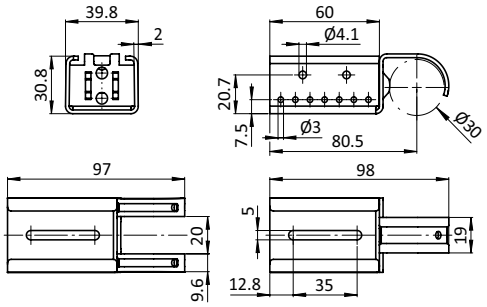

FIG.	VARIABLE HOLDING BRACKET ST / XST D30	WEIGHT [g]	PART #
①	Typ M	145.0	062MYMD30MS01
②	Typ F		062MYFD30MS01

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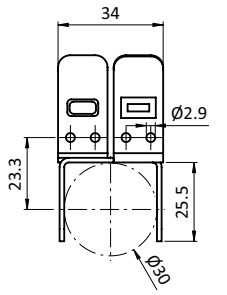
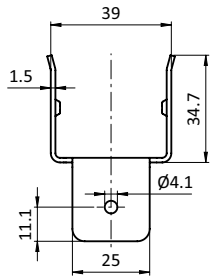
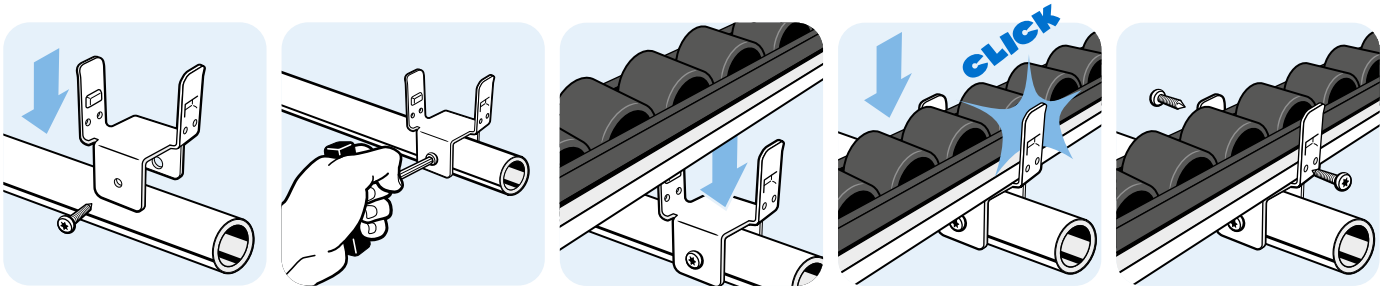
MOUNTING BRACKET ST / XST D30

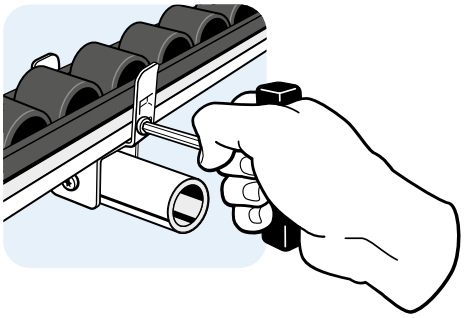
MODEL	For ST / XST roller tracks
DESCRIPTION	To mount and support an roller track ST / XST or a guiding rail ST / XST central on a crossing tubular frame profile with Ø 30 mm outer diameter
MATERIAL	Steel
SURFACE	Zinc plated
ASSEMBLY SET	4 self-drilling screws DIN 7504 Form N - 3,9 x 16
PACK QUANTITY	10 pieces
SPECIALS	Other surfaces, other colors on request





WEIGHT [g]	PART #
46.0	062MMD30MS01





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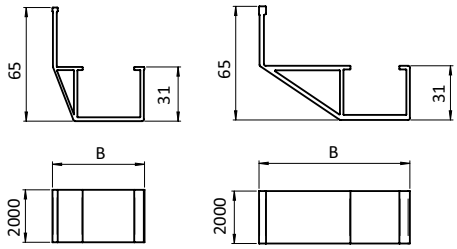
GUIDING RAIL XST LATERAL

MODEL	For roller tracks XST
DESCRIPTION	For a safe guiding and positioning in flexible conveyor facilities, guiding rails provide for an adequate work height for the product supply
MATERIAL	Standard version: Plastic PVC ESD electrostatical discharging version: Plastic PVC, carbon fiber reinforced
COLOR	Black, gray
PACK QUANTITY	12 meters (6 pieces at 2 m)
SPECIALS	Other colors on request



GUIDING RAIL XST LATERAL	ESD	B [mm]	COLOR	WEIGHT [g/m]	PART #
Lateral 32		52.0	Black	600.0	**062MGRL3291.2000**
Lateral 32	ESD	52.0	Black	600.0	**062MGRL3291ESD.2000**
Lateral 32		52.0	Gray ≈ RAL 7042	600.0	**062MGRL3274.2000**
Lateral 65		86.0	Black	800.0	**062MGRL6591.2000**
Lateral 65	ESD	86.0	Black	800.0	**062MGRL6591ESD.2000**
Lateral 65		86.0	Gray ≈ RAL 7042	800.0	**062MGRL6574.2000**

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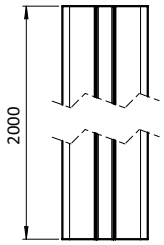
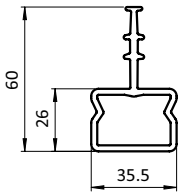
GUIDING RAIL XST CENTRAL

MODEL	For roller tracks XST
DESCRIPTION	For a safe guiding and positioning in flexible conveyor facilities, guiding rails provide for an adequate work height for the product supply
MATERIAL	Standard version: Plastic PVC ESD electrostatical discharging version: Plastic PVC, carbon fiber reinforced
COLOR	Black, gray
PACK QUANTITY	12 meters (6 pieces at 2 m)
SPECIALS	Other colors on request
TIP	Compatible brackets for XST roller tracks see 062MHD28M, 062MHD30M und 062XHD40M





GUIDING RAIL XST CENTRAL	ESD	COLOR	WEIGHT [g/m]	PART #
Central		Black	485.0	**062MGRC91.2000**
Central	ESD	Black	430.0	**062MGRC91ESD.2000**
Central		Gray ≈ RAL 7042	485.0	**062MGRC74.2000**

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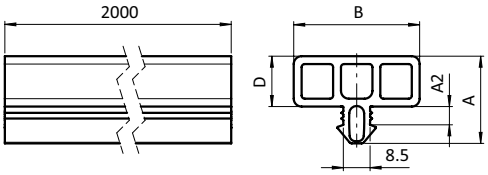
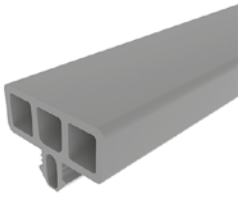
SIDE PROTECTION PROFILE 40, SLOT 8

MODEL	Plastic TPE
DESCRIPTION	To prevent damages and injuries, impact protection by hollow chamber profile on aluminum profiles
MATERIAL	Plastic TPE, ≈ 70 Shore A
COLOR	Gray ≈ RAL 7042
PACK QUANTITY	100 Meter (50 St. á 2m)
TIP	Compatible cover cap for side and corner protection profile 40 see 091385 Compatible corner protection profile 40, slot 8 see 092325
TIP 2	Please note: You are ordering in meters!





A [mm]	B [mm]	D [mm]	SLOT	A2 (PROFILE) [mm]	WEIGHT [g/m]	PROFILE	PART #
28.0	40.0	16.0	8	5.7 (4.5)	590.5	I	092324

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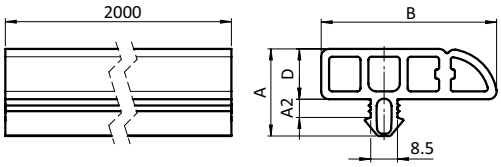
CORNER PROTECTION PROFILE 40, SLOT 8

MODEL	Plastic TPE
DESCRIPTION	to prevent damages and injuries - also on the outer edge, impact protection by hollow chamber profile on aluminum profiles
MATERIAL	Plastic TPE, ≈ 70 Shore A
COLOR	Gray ≈ RAL 7042
PACK QUANTITY	100 Meter (50 St. á 2m)
TIP	Compatible cover cap for side and corner protection profile 40 see 091385 and 091386 Compatible side protection profile 40, slot 8 see 092324
TIP 2	Please note: You are ordering in meters!



	A [mm]	B [mm]	D [mm]	SLOT	A2 (PROFILE) [mm]	WEIGHT [g/m]	PROFILE	PART #
	28.0	56.0	16.0	8	5.7 (4.5)	453.0	I	092325

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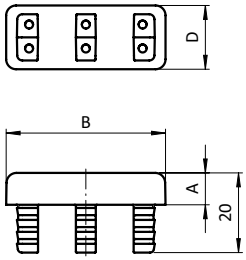
COVER CAP FOR SIDE AND CORNER PROTECTION PROFILE 40

MODEL	Plastic TPE
DESCRIPTION	To cover the end of the side protection profile 40, slot 8
MATERIAL	Plastic TPE, ≈ 70 Shore A
COLOR	Gray ≈ RAL 7042
PACK QUANTITY	100 pieces
TIP	Compatible side protection profile 40, slot 8 see 092324
TIP 2	Other colors on request



A [mm]	B [mm]	D [mm]	WEIGHT [g]	PART #
8.0	40	16	6.5	091385

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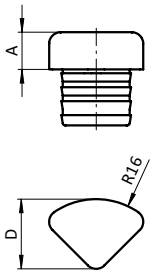
COVER CAP FOR CORNER PROTECTION PROFILE 40

MODEL	Plastic TPE
DESCRIPTION	To cover the end of the corner protection profile 40, slot 8
MATERIAL	Plastic TPE, ≈ 70 Shore A
COLOR	Gray ≈ RAL 7042
PACK QUANTITY	100 pieces
TIP	Compatible corner protection profile 40, slot 8 see 092325
TIP 2	Other colors on request



A [mm]	D [mm]	WEIGHT [g]	PART #
8.0	15.0	2.3	091386

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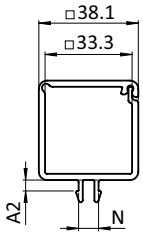
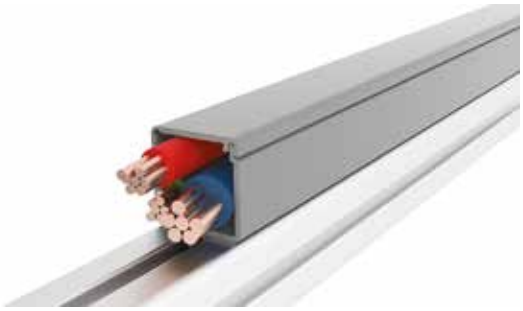
CONDUIT PROFILE PVC

MODEL	Profile 40 and up
DESCRIPTION	To lay cables and hoses along the profile slot, reclosable
MATERIAL	Plastic PVC
COLOR	Gray
PACK QUANTITY	20 meters (10 pieces at 2 m)
SPECIALS	Other colors on request
TIP	Please note: You are ordering in meters!





N	COLOR	A2 (PROFILE) [mm]	WEIGHT [g]	PROFILE	PART #
8	Gray ≈ RAL 7042	4.2 (4.5)	806.0	I	093715N0874
10	Gray ≈ RAL 7004	6.1 (6.0)	806.0	B	093715N1071

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CONNECTORS FOR ALUMINUM TUBULAR FRAME PROFILES D28 & D30

Flexible, secure, uncomplicated: FATH Connectors for Tubular Frame Profiles D28 and D30

HIGHLIGHTS

- 90° connection
- Connection from 40x40 to D28/ D30
- Corner connection
- Parallel connection
- Ball connector inside and outside
- X connector
- 45° connection
- Crosspieces

Due to their special geometry (dovetail shape), the aluminum round tube systems D28 and D30 are particularly efficient. With **FATH** connectors, you can create twist-resistant and stable connections for these round tube systems in a few simple steps. This results in a positive connection that provides long-term strong support. You can cut the tubular frame profiles to length yourself. Particular precision is not necessary, since the **FATH** connectors compensate to some degree for length tolerances, angular errors and uneven cuts. Thanks to the wide variety of connectors and functions, you can implement the right structure for almost all requirements. The planning of individual structures for workstations, material trolleys, shelves, material feeds, etc. is easy due to the small number of required parts, and the assembly can be done quickly.

In the industrial production environment, requirements or the workplace can change at any time. **FATH** connectors for aluminium tubular frame profiles D28 & D30 can be quickly removed and reused, just like the profiles themselves. This offers maximum flexibility for your designs in industrial production – an economical solution that also scores points in terms of sustainability. **FATH** connectors are delivered ready for use as a completely pre-assembled set and can be installed directly.

WIDE VARIETY

Multifunctional plate fastening for tubular frame profiles

Multifunctional plate fastening from **FATH** enables surface elements to be fastened to a tubular frame profile with an outside diameter of 30 mm in a variety of ways: bottom front, tubular frame profile flush to a surface element, any position on a surface element bottom or top front. The fixing clamp D30 (set) consists of two components, a basic element and height compensation. You can use the basic element individually or simply screw it together with the height compensation if necessary. The tubular frame profile is then completely enclosed. Individual designs for almost any requirement can be built quickly and easily – from splash guards to cladding.

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Table brackets

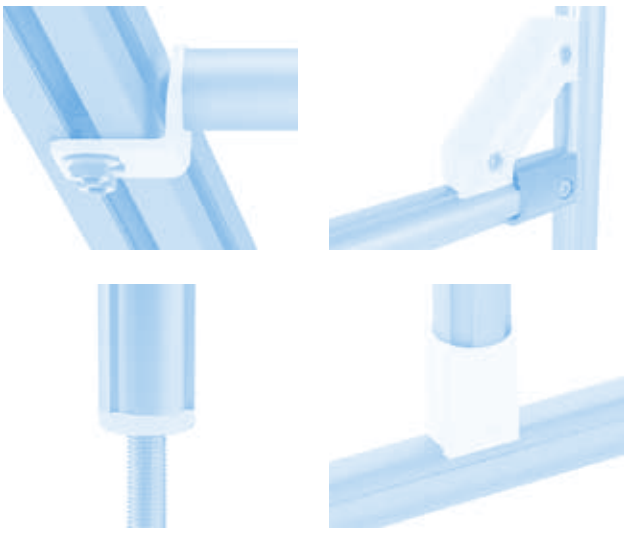
A large selection of mounting options for table plates are available:

- Table plate attachments
- Table plate attachment flap
- Parallel clamp
- Table attachment
- Plate attachment

Roller conveyor

Attachment brackets are available in various versions as well as for the two different versions of steel roller conveyor and aluminum rail:

- Attachment without end stop
- Attachment with end stop
- Mounting bracket
- Attachment with high end stop
- Variable brackets



Flexible & multifunctional:

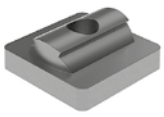
The connectors for tubular frame profiles D28 and D30 are available in many versions. Here is a glimpse into the available connectors:

Ball connector

Threaded sleeve

Angle connector

Mounting bracket



Adapter plate

Cover caps

Would you like to learn more about **FATH** Connectors for Tubular Frame Profiles D28 und D30?

tubular.fath24.com

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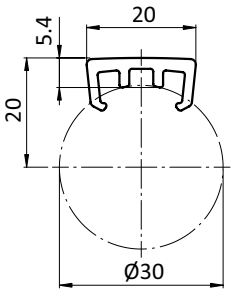
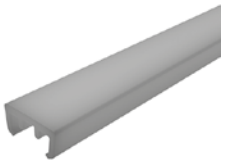
SLIDE RAIL D30

MODEL	Plastic PA
DESCRIPTION	To build simple slipways by clipping on a tubular frame profile with Ø 30 mm outer diameter; also applicable as support strip for the mouting of panels with vario block AL D30
MATERIAL	Plastic PVC-U
COLOR	Gray
PACK QUANTITY	20 meters (10 pieces at 2 m)
TIP	Please note: You are ordering in meters!





SLIDE RAIL D30	COLOR	WEIGHT [g]	PROFILE	PART #
ESD electrostatical discharging	Gray ≈ RAL 7042	150.0	I	**092341**

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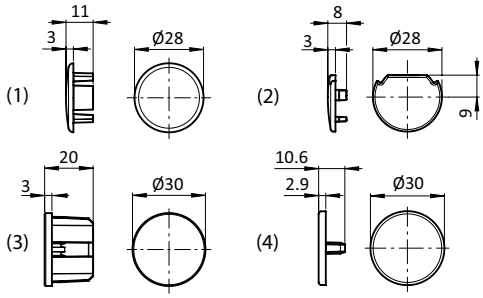
COVER CAPS FOR TUBULAR FRAME PROFILE

MODEL	For tubular frame profiles
DESCRIPTION	To cover the end of a tubular frame profile with Ø 28 mm or Ø 30 mm outer diameter
MATERIAL	Plastic PA, glass fibre reinforced
COLOR	Black, gray
PACK QUANTITY	100 pieces
SPECIALS	Other sizes, other colors on request



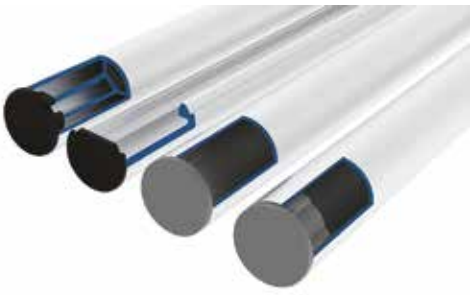


FIG.	COLOR	ESD	WEIGHT [g]	PROFILE	PART #
①	black		3.0	B	099RV28CC01
②	black	ESD electrostatical discharging	2.5	B	099RV28CC02
③	Gray ≈ RAL 7042		4.6	I	099RV30CC01
③	Black		4.6	I	099RV30CC02
④	Grau ≈ RAL 7042		2.0	I	099RV30CC05

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COVER CAP FOR TUBULAR FRAME CONNECTORS D30

MODEL	For tubular frame profiles
DESCRIPTION	To cover the screw hole of connectors for tubular frame profiles with Ø 30 mm outer diameter
MATERIAL	Plastic PA, glass fibre reinforced
COLOR	Gray ≈ RAL 7042
PACK QUANTITY	100 pieces

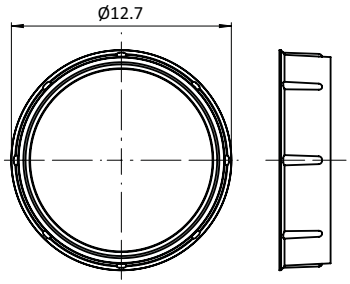

FIG.	WEIGHT [g]	PROFILE	PART #
①	0.22	I	099RV30CC06
②	0.17	I	099RV30CC07
③	0.21	I	099RV30CC08
④	0.21	I	099RV30CC09

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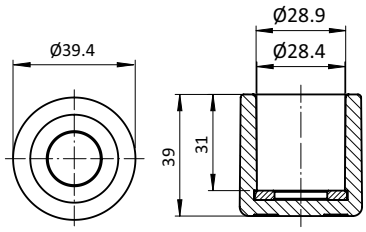
PROTECTION CAP D30

MODEL	For tubular frame profiles
DESCRIPTION	To prevent damages, scratches or injuries by the end of tubular frame profiles with Ø 30 mm outer diameter; End-position damping in Karakuri/LCA applications; Prevents movement of tubular frame profiles on slippery surfaces and absorbs some vibration; Punch through safe due to added steel inlay, elastic and surrounding design
MATERIAL	Protection cap: Plastic TPE Inlay: Steel
SURFACE	Inlay: Zinc plated
COLOR	Gray ≈ RAL 7042
PACK QUANTITY	10 pieces
SPECIALS	Other colors, other sizes on request



WEIGHT [g]	PROFILE	PART #
37.1	I	099RV30CC03

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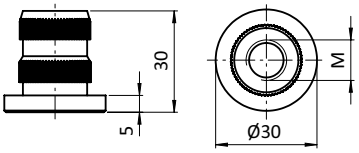
THREADED SLEEVE AL D30

MODEL	For tubular frame profiles
DESCRIPTION	To fix leveling feet or casters to the front of tubular frame profiles with Ø 30 mm outer diameter
MATERIAL	Aluminum
PACK QUANTITY	10 pieces



ESD	M	WEIGHT [g]	PROFILE	PART #
ESD electrostatical discharging	M6	29.0	I	**098VR300006**
ESD electrostatical discharging	M8	28.0	I	**098VR300008**
ESD electrostatical discharging	M10	26.0	I	**098VR300010**
ESD electrostatical discharging	M12	24.0	I	**098VR300012**

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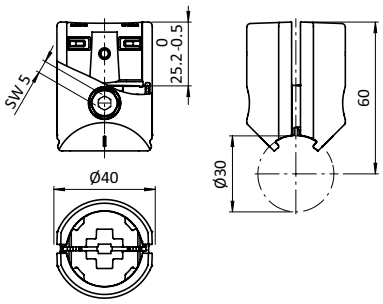
OUTER T-CONNECTOR D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To connect two tubular frame profiles with Ø 30 mm outer diameter at right angles
MATERIAL	Connector: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	2 components for T-connector D30, 1 screw DIN EN ISO 4762 (DIN 912) - M6 x 28, 1 self-locking nut ISO 10511 - M6
PACK QUANTITY	10 set
TIP	Compatible cover cap for tubular frame connectors D30 see 099RV30CC06



ESD	WEIGHT [g]	PART #
ESD electrostatical discharging	56.0	099RV3090LS01

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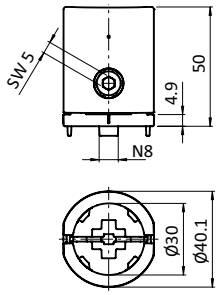
OUTER T-CONNECTOR D30 - SLOT 8 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To connect a tubular frame profile with Ø 30 mm outer diameter with a slot 8 aluminum profile
MATERIAL	Connector: Aluminum die-cast Adapter plate: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	2 components for T-connector D30 1 adapter plate 1 screw DIN EN ISO 4762 (DIN 912) - M6 x 28 1 self locking nut ISO10511 - M6
FASTENING	On profile I - slot 8 - using screw ISO 7380 - M6 x 14
PACK QUANTITY	10 set
TIP	Compatible cover cap for tubular frame connectors D30 see 099RV30CC06



ESD	WEIGHT [g]	PROFILE	PART #
ESD electrostatical discharging	109.0	I	099RV3090LS02

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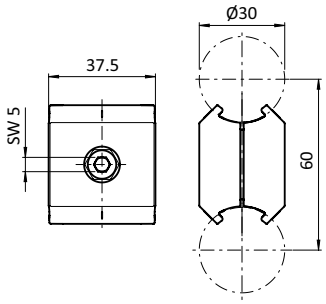
PARALLEL CONNECTOR D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To parallelly connect two tubular frame profiles with Ø 30 mm outer diameter; with pre-centering; completely pre-assembled set
MATERIAL	Connector: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	2 components for parallel connector D30, 1 screw DIN EN ISO 4762 (DIN 912) - M6 x 20, 1 self-locking nut ISO 10511 - M6
PACK QUANTITY	10 set
TIP	Compatible cover caps for tubular frame connectors D30 see 099RV30CC07



ESD	WEIGHT [g]	PART #
ESD electrostatical discharging	76.0	099RV30PS02

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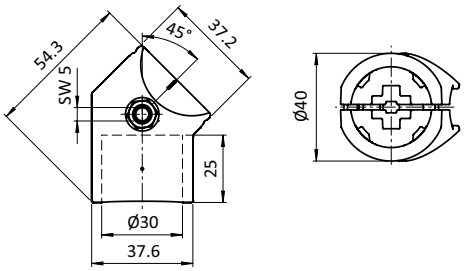
ANGLE CONNECTOR D30, 45° (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To connect two tubular frame profileswith Ø 30 mm outer diameterat 45°; with pre-centering; completely pre-assembled set
MATERIAL	Connector: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	2 components for angle connector D30, 45°, 1 screw DIN EN ISO 4762 (DIN 912) - M6 x 28, 1 self-locking nut ISO 10511 - M6
PACK QUANTITY	10 set
TIP	Compatible cover cap for tubular frame connectors D30 see 099RV30CC06



ESD	WEIGHT [g]	PART #
ESD electrostatical discharging	102.0	099RV3045S01

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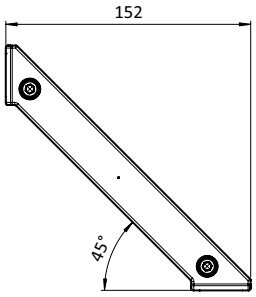
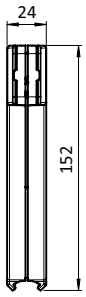
ANGLE CONNECTOR 2D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To connect two tubular frame profiles with Ø 30 mm outer diameter at right angle; Completely pre-assembled set
MATERIAL	Connector: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	2 components for angle connector 2D30, 2 screws DIN EN ISO 4762 (DIN 912) - M6 x 14, 2 self-locking nuts ISO 10511 - M6
PACK QUANTITY	10 set
TIP	Compatible cover cap for tubular frame connectors D30 see 099RV30CC07





ESD	WEIGHT [g]	PROFILE	PART #
ESD electrostatical discharging	201.8	I	099RV3090QS01

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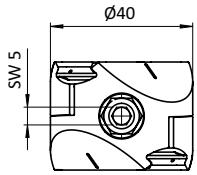
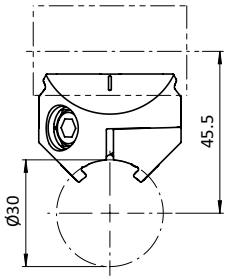
CROSS CONNECTOR D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To cross connect two tubular frame profiles with Ø 30 mm outer diameter; Completely pre-assembled set
MATERIAL	Connector: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	2 components for cross connector D30, 1 screw DIN EN ISO 4762 (DIN 912) - M6 x 30, 1 self-locking nut ISO 10511 - M6
PACK QUANTITY	10 set
TIP	Compatible cover cap for tubular frame connectors D30 see 099RV30CC06





ESD	WEIGHT [g]	PART #
ESD electrostatical discharging	65.3	099RV30XS01

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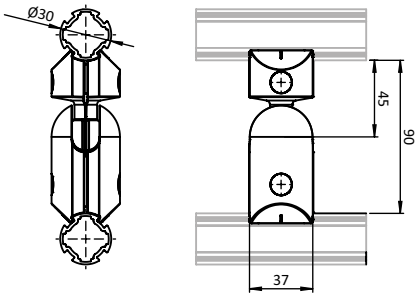
CROSS BALL CONNECTOR D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To cross connect two tubular frame profiles with Ø 30 mm outer diameter at variable angles, with pre-centering; completely pre-assembled set
MATERIAL	Connector: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	4 cross ball connector D30, 2 screws DIN EN ISO 4762 (DIN 912) - M6 x 28, 2 self-locking nuts ISO 10511 - M6
PACK QUANTITY	10 set
TIP	Compatible cover cap for tubular frame connectors D30 see 099RV30CC06



ESD	WEIGHT [g]	PART #
ESD electrostatical discharging	150.0	099RV30KS04

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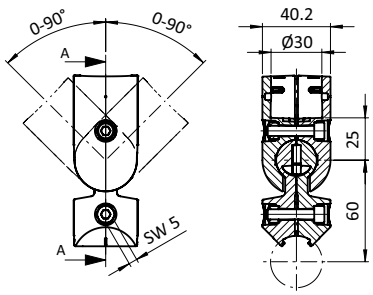
OUTER BALL CONNECTOR D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To connect two tubular frame profiles with Ø 30 mm outer diameter at variable angles, with pre-centering; completely pre-assembled set
MATERIAL	Connector: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	4 components for outer ball connector D30, 2 screws DIN EN ISO 4762 (DIN 912) - M6 x 28, 2 self-locking nuts ISO 10511 - M6
PACK QUANTITY	10 set
TIP	Compatible cover cap for tubular frame connectors D30 see 099RV30CC06



ESD	WEIGHT [g]	PART #
ESD electrostatical discharging	205.0	**099RV30KS01**

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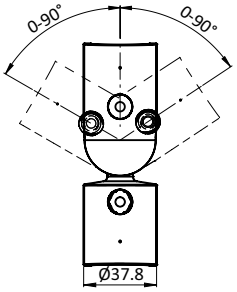
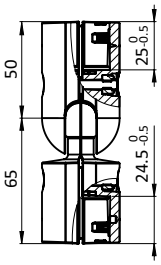
OUTER BALL BUTT CONNECTOR D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To connect two tubular frame profiles with Ø 30 mm outer diameter at variable angles, with pre-centering; completely pre-assembled set
MATERIAL	Connector: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	4 components for outer ball butt connector D30, 2 screws DIN EN ISO 4762 (DIN 912) - M6 x 30, 2 self-locking nuts ISO 10511 - M6
PACK QUANTITY	10 set
TIP	Compatible cover cap for tubular frame connectors D30 see 099RV30CC06





WEIGHT [g]	PART #
219.0	099RV30KS03

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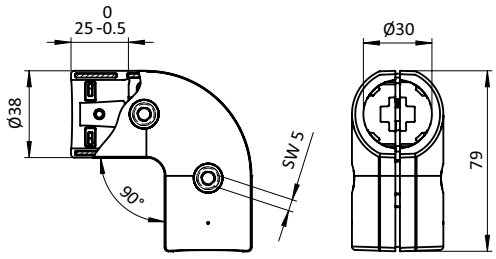
CORNER CONNECTOR 2D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To connect two tubular frame profiles with Ø 30 mm outer diameter at right angles; with pre-centering; completely pre-assembled set
MATERIAL	Connector: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	2 components for corner connector 2D30, 2 screw DIN EN ISO 4762 (DIN 912) - M6 x 25, 2 self-locking nuts ISO 10511 - M6
PACK QUANTITY	10 set
TIP	Compatible cover cap for tubular frame profile connector D30 see 099RV30CC06



ESD	WEIGHT [g]	PART #
ESD electrostatical discharging	218.0	099RV30ES01

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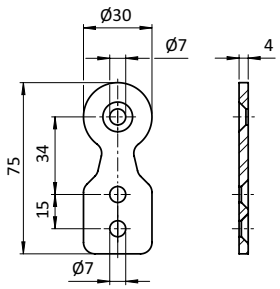
T-CONNECTOR PLATE D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To connect a tubular frame profile with Ø 30 mm outer diameter with an aluminum profile at right angles; screw connetion to the core hole M6 of the tubular frame profile Ø 30 mm or to the threaded sleeve AL D30 M6 for tubular frame profiles
MATERIAL	Steel
SURFACE	Zinc plated
SET 1	1 T-connector plate, 2 T-slot nuts - slot 6 - M6, 2 screws DIN 7991 - M6 x 12, 1 screw DIN 7991 - M6 x 20
SET 2	1 T-connector plate, 1 double T-slot nut - slot 8 - 2x M6, 2 screws DIN 7991 - M6 x 14, 1 screw DIN 7991 - M6 x 20
PACK QUANTITY	10 set



SET	SLOT	WEIGHT [g]	PROFILE	PART #
1	6	69.0	I	093VAD30VS01
2	8	71.0	I	093VAD30V

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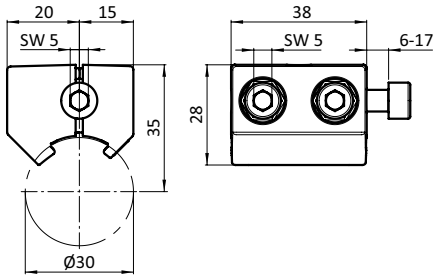
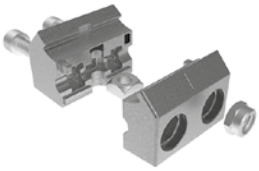
VARIO BLOCK AL D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To attach panels firmly to tubular frame profiles with Ø 30 mm outer diameter; ESD electrostatical discharging
MATERIAL	Vario block AL: Aluminum die-cast Assembly set: Steel
SURFACE	Assembly set: Zinc plated
SET	1 vario block AL - 2-part, 2 screws DIN EN ISO 4762 (DIN 912) - M6 x 20, 1 square nut DIN 557 - M6 2 self-locking nuts ISO 10511 - M6
PACK QUANTITY	10 set
SPECIALS	Other surfaces, other colors on request
TIP	Compatible cover cap for tubular frame connectors D30 see 099RV30CC07

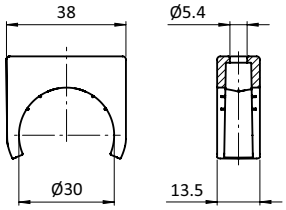




WEIGHT [g]	PROFILE	PART #
79.2	I	094AD30

PANEL CLIP D30

MODEL	For tubular frame profiles
DESCRIPTION	To temporarelly attach panels to tubes or tubular frame profiles with Ø 30 mm outer diameter; For screwing the surface element a hexagon nut M5 can be inserted in the panel clip D30
MATERIAL	Plastic PA, glass ball reinforced
COLOR	Gray ≈ RAL 7042
PACK QUANTITY	10 pieces
TIP	compatible hexagon nuts see 4DIN934M5M



WEIGHT [g]	PART #
8.0	099RV30180S

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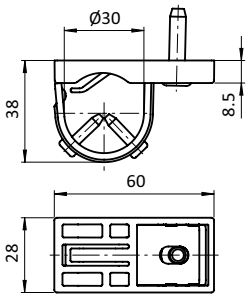
TOP CLAMP D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To mount wooden table tops or chipboards on a frame of tubular frame profiles with Ø 30 mm outer diameter
MATERIAL	Clamp: Steel Spacer: Plastic PA, glass fiber reinforced Screws: Steel
SURFACE	Clamp: Zinc plated Screws: Zinc plated
COLOR	Spacer: Gray ≈ RAL 7042
SET	1 clamp 1 spacer 1 wood screw 6 x 25 2 self-drilling screws DIN 7504 form N - 3.9 x 16
PACK QUANTITY	10 set



WEIGHT [g]	PROFILE	PART #
91.0	I	099RV30H

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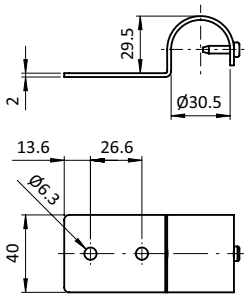
TOP SUSPENSION D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To mount table tops or shelf boards within a frame of tubular frame profiles with Ø 30 mm outer diameter
MATERIAL	Steel
SURFACE	Zinc plated
SET	1 top suspension D30 1 self-drilling screws DIN 7504 Form N - 3.9 x 16
PACK QUANTITY	10 set



WEIGHT [g]	PROFILE	PART #
80.0	I	099RV30TW

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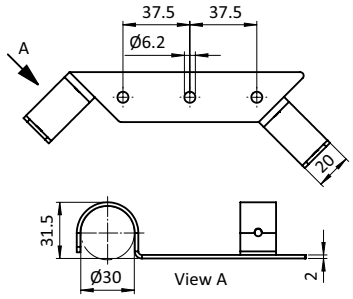
TOP CORNER SUSPENSION D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	For putting in plates, shelf boards or work piece carriers horizontally on tubular frame profiles with Ø 30 mm outer diameter; With holes to screw on tubular frame profile and plate
MATERIAL	Top corner suspension: Steel Screws: Steel
SURFACE	Top corner suspension: Zinc plated; Screws: Zinc plated
SET	1 top corner suspension 2 self-drilling screws DIN 7504 form N - 3.9 x 16
PACK QUANTITY	10 set
TIP	Please note for cutting table tops to size: Tubular frame connectors D30 require a 5 mm gap all the way around



WEIGHT [g]	PROFILE	PART #
94.0	I	099RV3090QS02

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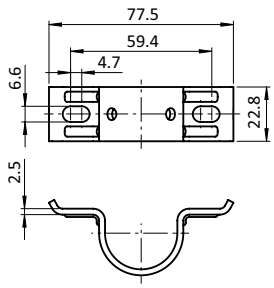
MOUNTING CLAMP D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	To support an roller track ST / XST, a guiding rail ST / XST central or a aluminum profile slot 8 on a crossing tubular frame profile with Ø 30 mm outer diameter
MATERIAL	Steel
SURFACE	Zinc plated
SET	1 Mounting clamp, 2 T-slot nuts - slot 8 - M6, 2 screws DIN EN ISO 4762 (DIN 912) - M6 x 16
PACK QUANTITY	20 set



WEIGHT [g]	PROFILE	PART #
66.3	I	099RV30HS01
17.2	I	093PD30NS01

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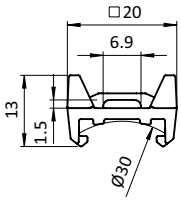
CROSS CABLE BINDER BLOCK D30

MODEL	For tubular frame profiles
DESCRIPTION	To fix cables along and across aluminum profiles; can be clipped on the tubular frame profile
MATERIAL	Plastic PP
COLOR	Black
PACK QUANTITY	100 pieces



WEIGHT [g]	PROFILE	PART #
1.3	I	093292

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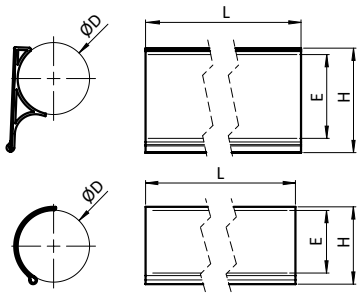
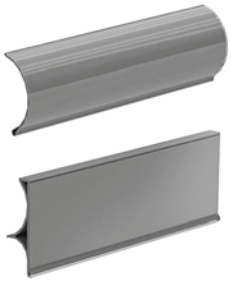
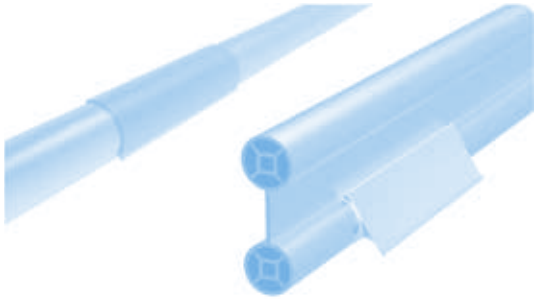
LABEL CLIP D28 / D30

MODEL	For tubular frame profiles
DESCRIPTION	For labelling on tubular frame profiles with Ø 28 or Ø 30 mm outer diameter; for labels with 38 mm height
MATERIAL	Plastic hard PVC
COLOR	Straight labeling surface: gray ≈ RAL 7035 / transparent Curved labeling surface: transparent
FASTENING	Self-adhesive strip on the backside
PACK QUANTITY	20 pieces (at 102 mm / at 120 mm) or 20 meters (10 pieces at 2 m)
TIP	*Please note: You are ordering in meters!







LABEL CLIP D28 / D30	H [mm]	L [mm]	COLOR	ØD [mm]	E [mm]	WEIGHT [g]	PROFILE	PART #
Straight labeling surface	41.0	102.0	Gray ≈ RAL 7035 / transparent	30.0	38.0	13.0	I	**093LC38D30.102**
Curved labeling surface	40.0	102.0	Transparent	30.0	38.0	6.0	I	**093LCT38D30.102**
Curved labeling surface	40.0	*2000.0	Transparent	30.0	38.0	91.0	I	**093LCT38D30.2000**

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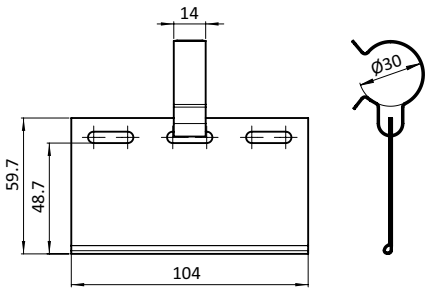
LABEL HOLDER D30 (SET)

MODEL	For tubular frame profiles
DESCRIPTION	For labelling on tubular frame profiles with Ø 30 mm outer diameter; For labels with 42 mm height and 100 mm width
MATERIAL	Label holder: Plastic PET Clip: Steel
SURFACE	Clip: Zinc plated
COLOR	Label holder: Transparent
SET	1 label holder 1 clip
PACK QUANTITY	10 set



WEIGHT [g]	PROFILE	PART #
19.0	I	093LCT60D30.102

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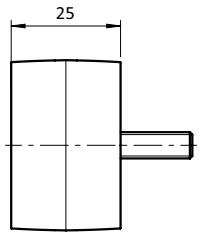
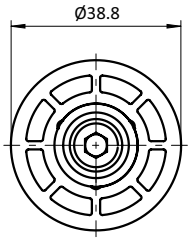
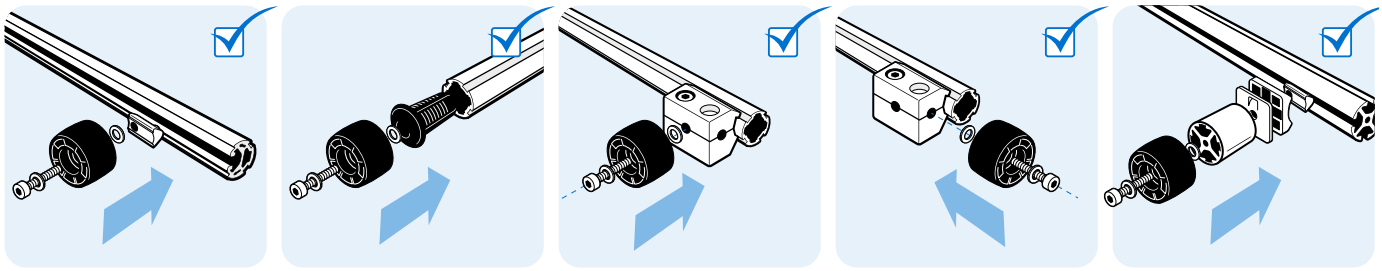
ROLLER Ø 39.5 (SET)

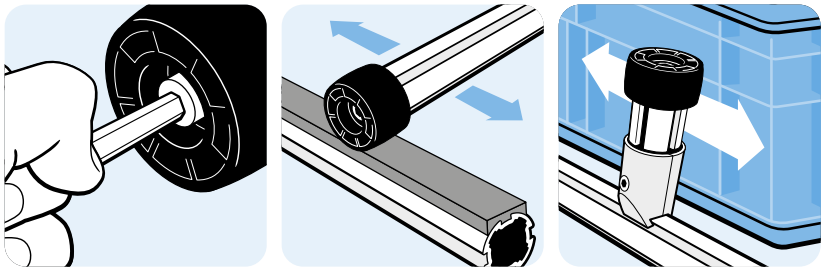
MODEL	Plastic PA
DESCRIPTION	To guide moving parts on a slide rail attached to the aluminum profile or as lateral guide for moved goods ; With ball bearing
MATERIAL	Plastic PA, glass ball reinforced
COLOR	Black
SET	1 Roller 1 screw DIN EN ISO 4762 (DIN 912) M6 x 35, zinc plated steel 2 washers DIN EN ISO 7089 (DIN 125) - 6.4
PACK QUANTITY	10 set





WEIGHT [g]	PROFILE	PART #
40.0	I	093817





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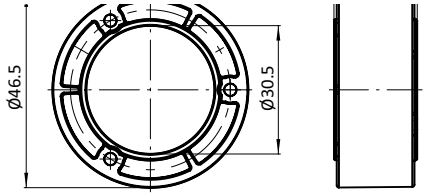
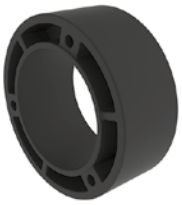
ROLLER Ø 46.5

MODEL	For tubular frame profiles
DESCRIPTION	For lateral guiding or supporting at the transition from roller tracks
MATERIAL	Plastic PA, carbon fiber reinforced
COLOR	Black
PACK QUANTITY	10 pieces





ROLLER Ø 46.5	WEIGHT [g]	PROFILE	PART #
ESD electrostatical discharging	13.0	I	062AUR46D30ESD

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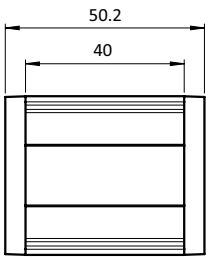
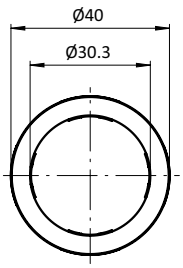
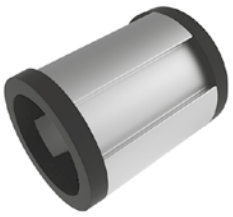
SLIDE BEARING D40/D30

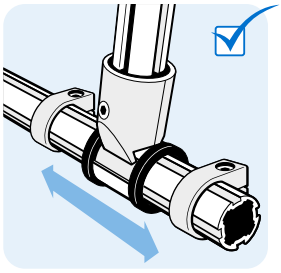
MODEL	For tubular frame profiles
DESCRIPTION	For low-friction movement on tubular frame profiles, allows radial and linear movement
MATERIAL	Plastic POM
PACK QUANTITY	1 piece

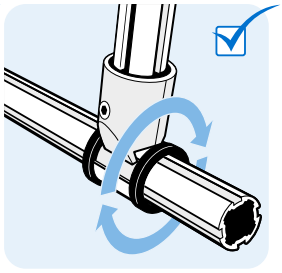






SLIDE BEARING D40/D30	WEIGHT [g]	PROFILE	PART #
ESD electrostatical discharging	36.0	I	093S30S02





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LEAN 4.0

Visual Management

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SELF-ADHESIVE FLOOR MARKING TAPES

FATH Floor Marking Tapes for quick and durable marking

- Outstanding adhesive strength
- Forklift-resilient
- Suitable for virtually all industrial floors
- Removable without leaving residue
- Very dimensionally stable: adhesion without prior marking
- Available in all relevant colors

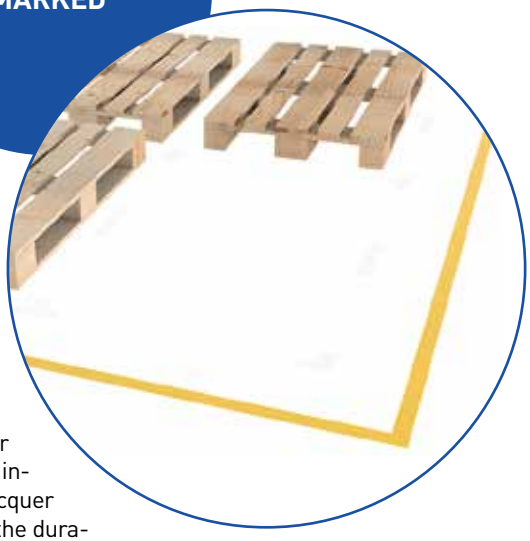
HIGHLIGHTS

With **FATH** self-adhesive Floor Marking Tapes, you can mark surfaces easily and safely. One of the most important functions of floor marking is separating vehicle routes and walkways. Clearly marked walkways ensure that employees and visitors stay safe if industrial trucks or forklifts are moving around the production area or warehouse.

You will comply with the obligation to visually separate vehicle routes from walkways with **FATH** Floor Marking Tapes. ASR A1.3 specifies that vehicle route boundaries should be delimited by marking strips at least 5 cm wide. Stair steps can also be clearly marked with adhesive tape in signal colors to minimize the risk of falling.

Full flexibility with new production requirements: The self-adhesive floor marking tapes can be removed from the floor without leaving any residue when production changeovers, restructurings or plant expansions are pending. The floor remains intact after removing the adhesive tape because no chemicals or acidic substances are required to remove them. Leased buildings, warehouses and spaces can also be temporarily labeled without causing any consequential damage.

CLEARLY MARKED



Floor marking tapes: forklift-resilient and instantly affixed

The dimensionally stable **FATH** Floor Marking Tapes can be cut to fit your needs and affixed to industrial floors without prior marking. Vehicles can drive over them immediately, and they are easy to clean. They are suitable for almost all industrial floors and surfaces such as stone, concrete or metal. Unlike paint or lacquer markings, there are no long drying times and no unpleasant odors. Thanks to the durable plastic surface suitable for industrial use, the floor marking tapes withstand heavy use by forklift trucks.

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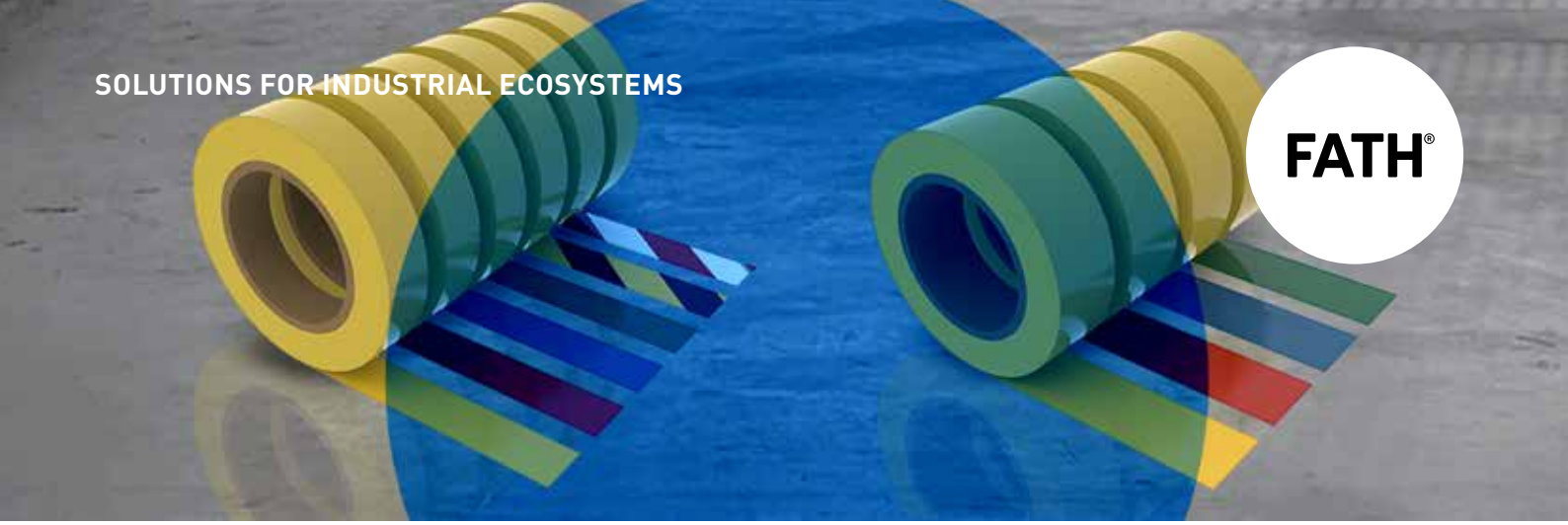
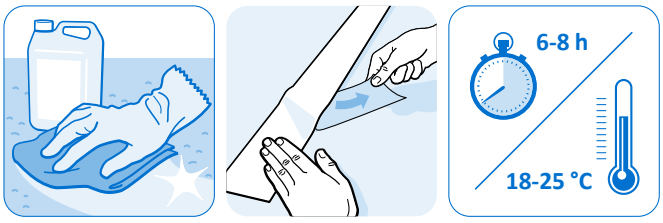


Highly durable multi-colored floor marking tapes

Thanks to a new printing concept, the multi-colored **FATH** Floor Marking Tapes are extremely durable. The color print is applied on the inside and is covered by a transparent film. This means that the print image is fully enclosed between the film and the adhesive and is thus permanently protected against wear and scratches, even after long use and heavy stress on the surface.

Color coding system for safe visualization

FATH Floor Marking Tapes are available in rolls in widths of 50, 75 and 100 mm and in all important marking colors – in single color and two-color versions. This enables companies to set up a secure color coding system for walkways, separate areas, storing spaces, parking spaces and entire areas in production plants and warehouses. When used correctly, the selected colors provide a largely intuitive recognition of the marked areas.



Versions:

The self-adhesive **FATH** Floor Marking Tapes are available as rolls in the following versions:

- Length: 50 m
- Width: 50 mm / 75 mm / 100 mm

Colors:

- white
- 1) yellow
- 2) red
- 3) blue
- 4) green
- 5) black/yellow
- 6) red/white

Would you like to learn more about **FATH** Floor Marking Tapes?

floor-marking-tape.fath24.com

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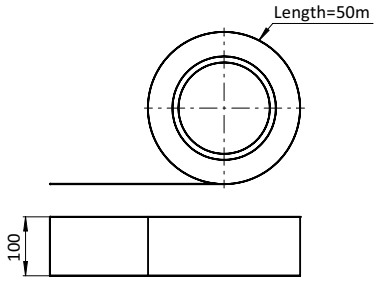
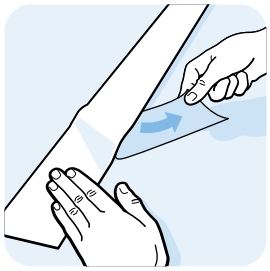
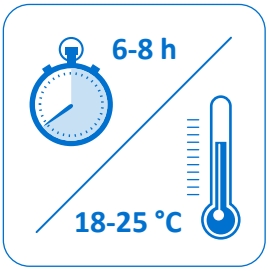
FLOOR MARKING TAPE 100

MODEL	Diverse colors
DESCRIPTION	For easy and reliable marking of path boundaries, stairs, parking / storage / working areas etc., self-adhesive; Forklift-resistant and stable floor marking with outstanding adhesive strength, suitable for almost all industrial floors, removable without leaving residue
MATERIAL	Plastic PVC
COLOR	Yellow
FASTENING	Self-adhesive surface on the backside
PACK QUANTITY	50 meters (spool)



COLOR	WEIGHT [g]	PART #
Yellow ≈ RAL 1018	3890.0	0203T10015





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TEMPORARY FLOOR MARKING TAPE 50 TESA® 60760

MODEL	Diverse colors
DESCRIPTION	For easy and reliable marking of path boundaries, stairs, parking / storage / working areas etc., selfadhesive; optimal for temporary marking as well as hazard identification on objects and industrial floors, removable without leaving residue
MATERIAL	Plastic PVC
COLOR	Yellow, red, blue, luminous green, white, black / yellow, red / white
FASTENING	Self-adhesive surface on the backside
PACK QUANTITY	198 meters (6 spools at 33 m)

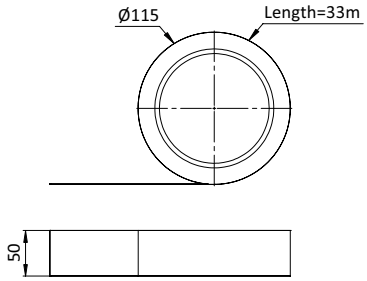

FIG.	COLOR	WEIGHT [g]	PART #
①	Yellow	341.0	0203TT05015
②	Red	341.0	0203TT05031
③	Blue	341.0	0203TT05055
④	Luminous green	341.0	0203TT05065
⑤	White	341.0	0203TT05093
⑥	Red / white	341.0	0203TT0503193
⑦	Black / yellow	341.0	0203TT0509115

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FLOOR SIGNS

Safe and lean:
Easily highlight danger zones with self-adhesive FATH Floor Signs

- Pictograms as per ASR standards
- Outstanding adhesive strength
- Forklift-resilient and extremely durable
- Suitable for virtually all industrial floors
- Adhesive applied over the entire rear side
- Non-slip thanks to the textured surface
- All common prohibition, mandatory, warning and information signs
- Strong signaling effect

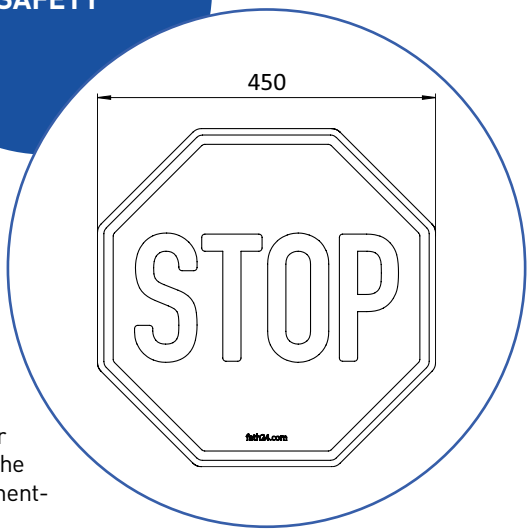
HIGHLIGHTS

With **FATH** Floor Signs, you can comply right away with the applicable regulations for the marking of hazardous zones. The floor signs can be walked on and driven on immediately after gluing.

The pictograms on the **FATH** Floor Signs are designed in compliance with ASR standards. The floor signs are 450 millimeters in size and ensure that the icons can be seen from a distance – when viewed from a forklift, for example. This means that they comply with the German Technical Workplace Regulations (ASR) and meet the requirements specified in the German Workplaces Ordinance (ArbStättV), which serve to ensure safety and health protection for employees.

Full flexibility for reorganizations: These self-adhesive floor signs can be detached from the floor without leaving residue if restructurings or plant expansions are pending. The floor remains intact after the signs are removed, since no chemicals or acid-based substances are required to remove them. Buildings, warehouses, and surfaces can be labeled permanently or temporarily without causing any damage.

INCREASE SAFETY



FATH's Floor Signs: self-adhesive and forklift-resilient

The self-adhesive, dimensionally stable **FATH** Floor Signs are easily affixed to the floor, can be driven over immediately and are easy to clean. They are suitable for virtually all industrial floors and surfaces. Unlike paint or lacquer markings, there are no long drying times and no unpleasant odors. Thanks to the adhesive applied across their entire back surface, these floor signs even permanently adhere to problematic surfaces.

Another advantage: **FATH** Floor Signs have a textured non-slip surface.

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FATH®

New printing method protects against scratches

What makes **FATH** Floor Signs special: The pictogram's color print is applied to the inside instead of on the outer surface and is then covered with a transparent protective film. This means that the image is fully enclosed between the film and the adhesive. It is permanently protected against wear and scratches, even after long use and heavy stress on the surface. The durable plastic surface is suitable for industrial use and can withstand heavy loads, such as forklifts driving over it.

FATH Floor Windows for customized warning signs

If you want to attach specific information or warnings on the floor, **FATH** Floor Windows are the ideal solution. You can use them to design your own customized warning signs that fit your needs. Simply place the printed sheets behind the transparent, scanner-compatible viewing window and affix the floor window. Different DIN formats and colors are available.

More on **FATH** Floor Windows:
shape-window.fath24.com

Versions

All common signs in the following categories are available:

- Prohibition signs
- Mandatory signs
- Warning and information signs

Would you like to learn
more about **FATH** Floor Signs?

floor-sign.fath24.com

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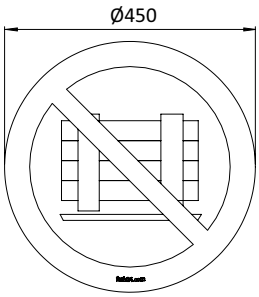
NO PLACING OR STORING FLOOR SIGN

MODEL	Prohibitive Sign
DESCRIPTION	For fast and reliable safety marking according to ASR A1.3 / DIN EN ISO 7010, self-adhesive; Easy recognition from long distance; Forklift-resistant and slip-proof floor sign with outstanding adhesive strength, suitable for almost all industrial floors, removable without leaving residue
MATERIAL	Plastic PVC
COLOR	Red / white / black
FASTENING	Self-adhesive surface on the backside
PACK QUANTITY	1 piece



WEIGHT [g]	PART #
174.0	0203SP06

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VISUAL BOARDS

Key figures clearly and flexibly: All important information at a glance with FATH Visual Boards

HIGHLIGHTS

- Scratch-resistant enamel surface
- Permanent protection against marker residue
- Magnetic over the entire surface
- Different designs: enamel wall board, mobile enamel board, mobile enamel cube
- Space-saving and practical designs
- Enamel panels for customized designs sold separately

The surfaces of all **FATH** Visual Boards are made of enamel – top of the line! A glass-like mixture is applied to the metal surface at temperatures of around 1000 degrees Celsius and then hardened. The result is a surface with special properties. The whiteboard surface is extremely easy to clean by simply wiping it dry. While conventional whiteboards with lacquered surfaces still leave residues from writing after wiping them down, **FATH** Visual Boards can be cleaned without leaving any residue.

The enameled surfaces are scratch-resistant, extremely resilient and retain their smooth feel over the long term. They remain undamaged even after daily use and repeated writing and wiping. In addition to writing, the entire metal surface can be used with magnets, thus turning the whiteboard into a magnetic board.

ENAMELED SURFACE & RESIDUE-FREE CLEANING

The enameled Visual Board panels are also available separately upon customer request. You can build your own whiteboard or magnetic board with custom-fit dimensions. The whiteboard panels are easily framed in your own profile. In addition to wall mounting, specific needs, such as attachment to machines, can also be met.

Three designs for every application and requirement

Each **FATH** Visual Board design features a metallic whiteboard surface framed in an aluminum 40 x 40 mm profile. Attachments such as monitor supports, keyboard holders, scanner holders, trays or header profiles can be easily integrated. Enamel wall boards can be securely attached to walls and are also suitable for mounting on machine enclosures or shelving systems. Mobile enamel boards are available in a single-sided version as well as a double-sided version with an enamel surface on the front and back.

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Enamel wallboard: easy to attach to aluminum profiles

This design is suitable for mounting on walls as well as attaching on machine enclosures or protective fences. Mounting on aluminum profiles can be completed in a few easy steps using the whiteboard's 40x40 profile frame. Monitors or warning signal lamps can be attached to the profile exterior. The visible side of the profile is closed.

Mobile enamel boards: information flexibly delivered

Mobile enamel boards can be placed anywhere in the room and easily moved around at any time using the framed stand on rollers. The integrated brakes ensure that the boards are held securely in position. This design is ideal when machines are too small to attach wallboards. The mobile enamel boards are also an ideal choice for office areas or supervisor's offices, as their height will fit through any standard door. The structure is the same as that of **FATH** enamel wallboards. Industrial rollers with brakes are available as an option in the ESD version.

A special added extra: The feet on the visual boards are rubberized on their exterior. The rubber buffer above the rollers protects against injury and damage to walls and doors.

Mobile enamel cube: space-saving miracle on rollers

Thanks to its four enameled sides, the cube-shaped **FATH** Visual Board provides an incredible amount of space on a small footprint. About one square meter of floor space is required to provide as much information as on a whiteboard almost three meters wide. Since the mobile enamel cube fits through any standard door, it can be placed in any space, from meeting rooms to production and warehouse areas. The space-saving, square design is especially suitable for transportable provision of detailed information and production notices. The metallic surfaces on the mobile enamel cube are also framed in 40x40 aluminum profiles. The visible sides of the profile are enclosed to protect against contamination and deposits.

Industrial rollers with brakes are optionally available in an ESD version.

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Accessories for optimal use

With these accessories, you can make optimum use of the **FATH** Visual Board – lean and sustainably:

- Whiteboard markers, set of 4, black
- Whiteboard markers set of 4, colored (blue, red, yellow, green)
- Cleaning felts
- Cleaning agent

Smart accessories

The **FATH** UTENSILO is the perfect addition to your **FATH** Visual Board. Board markers, cleaning agent and board erasers are neatly stored and are always handy where you need them. A marker is easily removed by twisting, while the cap remains in the UTENSILO and cannot get lost. Thanks to the magnets attached on the back, the UTENSILO sits securely on any magnetically adhesive, smooth surface. Left-handed users can adjust it to their needs by turning it 180°.

More on the **FATH** UTENSILO:
utensilo.fath24.com

Would you like to learn more about **FATH** Visual Boards?

visual-board.fath24.com

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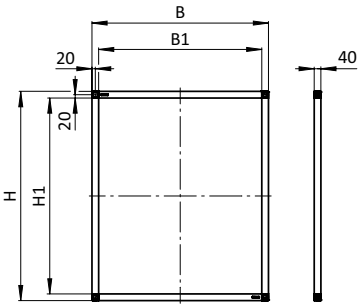
WALL-MOUNTED ENAMEL BOARD

MODEL	For wall mounting
DESCRIPTION	Flexible applicable board with one-sided enamel coating for writing on, dry wipeable, magnetic; Resistant enamelled surface, durable against mechanical and chemical influences; Profile frame 40 x 40 mm, without slot on the front side, circumferential slot 8 on the side for mounting accessories like monitor or keyboard holders; Supplied with wall spacers for easier mounting
MATERIAL	Board: MDF, steel Profile frame: Aluminum Spacer: Plastic PA
SURFACE	Board: Enamelled Profile frame: Anodized
COLOR	Board: White Spacer: Black
SET	1 wall-mounted enamel board 4 spacers
FASTENING	From the back, using M8 screws
PACK QUANTITY	1 piece



B [mm]	H [mm]	B1 [mm]	H1 [mm]	WEIGHT [g]	PROFILE	PART #
1057.0	1253.0	977.0	1173.0	9.3	I	020611000
2059.0	1253.0	1979.0	1173.0	14.8	I	020612000

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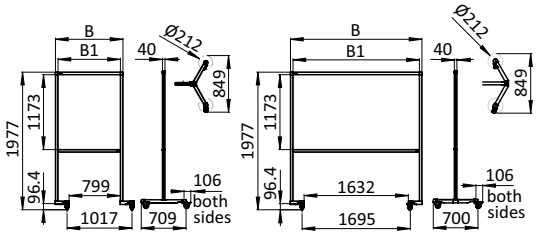
MOBILE ENAMEL BOARD

MODEL	One sided enamel coating
DESCRIPTION	Flexible applicable board with one-sided enamel coating for writing on, dry wipeable, magnetic on both sides, resistant enamelled surface, durable to mechanical and chemical influences; Equipped with four swivel casters for moving, two of them incl. system brakes for securing against unintended movement; Profile frame 40 x 40 mm, without slot on the front side, circumferential slot 8 on the side for mounting accessories like monitor or keyboard holders
MATERIAL	Board: MDF, steel Profile frame: Aluminum Wheel body: Plastic PP Tread: Plastic TPE
SURFACE	Board: Enamelled Profile: Anodized
COLOR	Board: White Wheel body: Gray ≈ RAL 7001 Tread: Gray ≈ RAL 7031
PACK QUANTITY	1 piece
SPECIALS	Swivel casters as ESD electrostatically discharging version on request



	B [mm]	H [mm]	B1 [mm]	H1 [mm]	WEIGHT [g]	PROFILE	PART #
	1057.0	1977.0	977.0	1173.0	21.0	I	**020631000M**
	2059.0	1977.0	1979.0	1173.0	26.5	I	**020632000M**

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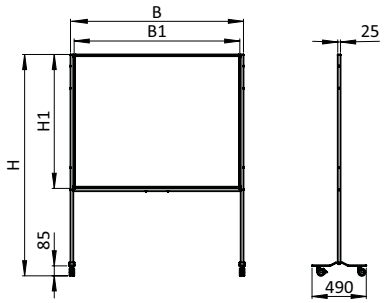
MOBILE WHITEBOARD

MODEL	Double sided laquered
DESCRIPTION	Flexible applicable board with double sided laquered steel for writing on, dry wipeable, magnetic on both sides; Equipped with four swivel casters for moving, two of them incl. brakes for securing against unintended movement
MATERIAL	Board: Steel Frame: Aluminum Swivel caster arm: Steel Wheels: Plastic PA
SURFACE	Board: Laquered Frame: Laquered Swivel caster arm: Laquered
COLOR	Board: White Frame: Black Swivel caster arm: Black Wheels: Black
SET	1 board 3 frame struts 8 screws M5 x 30 2 screws M8 x 40 2 swivel casters 2 swivel casters with brake
PACK QUANTITY	1 piece
TIP	Whiteboard is not pre-assembled



B [mm]	H [mm]	B1 [mm]	H1 [mm]	WEIGHT [g]	PART #
1588.0	2000.0	1500.0	1200.0	30.5	02063L1500M

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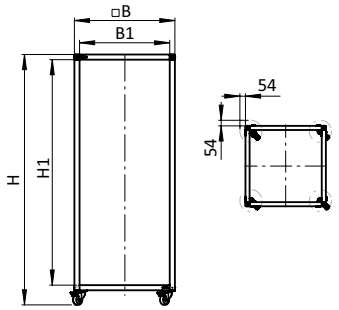
MOBILE ENAMEL CUBE

MODEL	Rotatable
DESCRIPTION	Flexible applicable cube, four-sided enamel coating for writing on, dry wipeable, magnetic, resistant enamelled surface, durable to mechanical and chemical influences; space saving due to square base; Equipped with four swivel casters for moving, two of them incl. system brakes for securing against unintended movement; Profile frame 40 x 40 mm, without slot on the front side, entirely preassembled
MATERIAL	Boards: MDF, steel Profile frame: Aluminum Wheel body: Plastic PP Tread: Plastic TPE
SURFACE	Boards: Enamelled Profile frame: Anodized
COLOR	Boards: White Wheel body: Gray ≈ RAL 7001 Tread: Gray ≈ RAL 7031
PACK QUANTITY	1 piece
SPECIALS	Swivel casters as ESD electrostatically discharging version on request



B [mm]	H [mm]	B1 [mm]	H1 [mm]	WEIGHT [g]	PROFILE	PART #
780.0	1943.0	700.0	1750.0	35.0	I	**02062780**

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UTENSILO

Order and ergonomics: the FATH UTENSILO keeps markers, caps and erasers neatly tucked away and within easy reach

HIGHLIGHTS

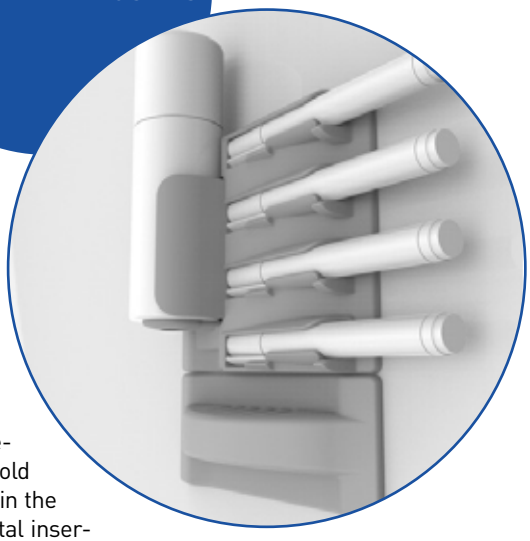
- For all magnetic whiteboards
- Fixed slots for four markers
- Marker caps stowed tightly
- For right-handed and left-handed users
- Dry erasing with highly absorbent erasing felt
- Self-adhesive erasing felts for quick and easy replacement

The **FATH** UTENSILO is the clever storage solution for all the tools you need to work effectively on a whiteboard. Board markers, caps, cleaning agent and erasers are neatly stored and are always handy where you need them. The rear-mounted magnets make it easy to attach the UTENSILO to any magnetic whiteboard. This practical aid will also sit securely on machines or other magnetic surfaces.

Both right-handed and left-handed users can intuitively manage the UTENSILO. Simply turn the top part 180°, reposition the holder for the pump bottle – and you're ready with the version that is optimally adapted to the needs of left-handed users.
The **FATH** UTENSILO UTENSILO comes with four board markers (in black, blue, red and green), an erasing felt and a pump bottle with cleaning liquid. As needed, erasing felts can be reordered in a package of 20.
You can equip the board markers with felt if you wish. This makes it easy to make small quick corrections effortlessly while writing by turning the marker over.

The **FATH** UTENSILO comes in neutral gray, similar to RAL 7042.

FOR LEFT- AND RIGHT-HANDED USERS



Clever holder: Markers remain handy – caps safely stowed away

The UTENSILO has four marker slots. What's so special: The holders are designed so that a marker can be removed with one hand by a slight twisting movement. The rotation locks the cap in the holder and keeps it safely in place. You hold only the marker and close it again after use by simply inserting and turning it in the UTENSILO. No searching for the cap, no drying out of the marker, no accidental insertion! To remove the marker completely, simply turn it a little further and pull out the marker including the cap.

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Accessories – lean and sustainable

With these accessories, you can restock the FATH UTENSILO over and over again – lean and sustainably:

- Whiteboard markers, set of 4, black
- Whiteboard marker, set of 4, colored (blue, red, yellow, green)
- Cleaning felts
- Cleaning agent

Sophisticated board eraser for dry and wet cleaning

The flat, ergonomically shaped board eraser fits comfortably in your hand. To clean the whiteboard, simply apply an erasing cloth with a high absorption capacity by pressing it onto the sponge element. Thanks to the adhesive layer on the back, it adheres without slipping and can be removed without residues after use. The fibers of the wafer-thin felts absorb the marker color with a light wiping. The sponge acts as a holder, is protected, remains clean and does not need to be cleaned separately. For heavy or stubborn soiling, the UTENSILO also has a cleaning fluid in a pump bottle. The quick-drying cleaning liquid prevents dripping while cleaning.

The board eraser fits seamlessly on the upper part of the UTENSILO but will also stick separately exactly where it is needed.

The perfect pair: FATH UTENSILO and FATH Visual Board with enameled surface

Thanks to its closed surface, the enameled **FATH** Visual Board is extremely resilient and particularly easy to clean – simply by dry wiping, without any residue. In combination with the **FATH** UTENSILO, you have available a durable, practical and easy to manage visualization solution.

More on **FATH** Visual Boards:
visual-board.fath24.com

Would you like to learn more about the **FATH** UTENSILO?

utensilo.fath24.com

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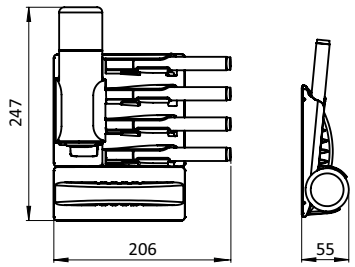
ORGANIZER UTENSILO, MAGNETIC (SET)

MODEL	For left- and right-handed use
DESCRIPTION	Fully equipped magnetic whiteboard organizer UTENSILO with cleaning spray, eraser and board markers; Ergonomically shaped magnetic eraser with easily replaceable felt pad, Variable bottle holder base to optimize ergonomics and accessibility from left or right; Compact design for minimal space requirements
MATERIAL	UTENSILO: Plastic ABS Magnets: Neodymium Bottle holder base: Plastic ABS Eraser: Plastic ABS / felt Spray bottle: Plastic HDPE Board marker: Plastic / felt
COLOR	UTENSILO: Gray ≈ RAL 7042 Bottle holder base: Gray ≈ RAL 7042 Eraser: Gray ≈ RAL 7042 Felt pad: Black Spray bottle: White Board marker body: White Board marker cap: Red, green, blue, black
SET	1 UTENSILO 1 bottle holder base 1 eraser with felt pad 1 cleaning spray #b1 board marker red 1 board marker blue 1 board marker green 1 board marker black
PACK QUANTITY	1 set
TIP	Consumables can be reordered via adhered QR code: Compatible refill felt pad for eraser, self-adhesive see 0206FP91 Compatible cleaning spray for board marker see 0206U200CS Compatible board marker with felt eraser (Set) see 0206BM91



WEIGHT [g]	PART #
540.0	0206U74

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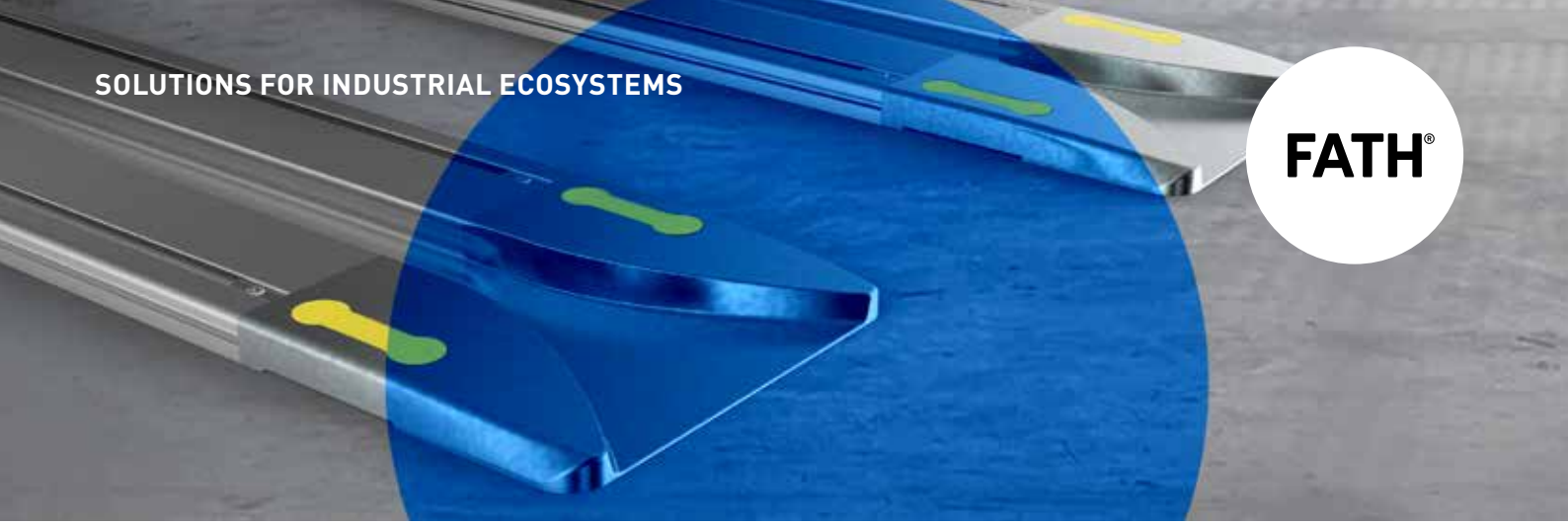

FIFO GUIDING RAILS

Build a FIFO station based on need while saving space with FATH FIFO Guiding Rails

HIGHLIGHTS

- Modular system – scalable at any time
- Extra wide, break-proof insertion caps
- Upward-facing profile slots for cost-effective enclosure
- Floating installation without screwed joints
- Space-saving thanks to one-sided rail guide

Thanks to the modular design, the length and width of the FIFO station can be flexibly adjusted. You can set up your FIFO station exactly according to your individual requirements and expand it at any time. The FIFO guiding rails are screwed together with connection plates directly on the insertion caps. This connection element ensures stability and determines the track width. The number of tracks can be selected based on need.

Individual guiding rails are joined together with a lengthwise connector to achieve the desired track length. FIFO guiding rails are available in the standard lengths 1200, 1800 and 2400 mm and, upon request, in the exact length you require.

Unique on the market: Rectangular connections enable cost-effective enclosure. The 8 mm profile slot incorporated in the FIFO guiding rails can be used to effortlessly install structures with all standard 40 x 40 mm profiles, such as enclosures to indicate tracks. A post for signage can be easily positioned from above at a 90° angle and securely anchored in the slot. Integration on machine protection enclosures is possible as well. Thanks to the practical rectangular connections, these fixtures can be implemented significantly faster and at a far lower cost than with conventional systems.

EFFICIENT MATERIAL PROVISION

Innovative: extra wide insertion caps for easy feeding in of dollies

FATH has redesigned the insertion caps to ensure even greater efficiency when handling dollies. The extremely wide opening acts like a funnel and helps facilitate the loading of the FIFO station. Rollers can be effortlessly slid into the rails even when they are completely hidden from view by crates. The insertion caps are mounted at the start and end of each track. This allows operators to implement the FIFO principle (First In First Out) perfectly, ensuring an optimized in-house flow of goods. Another big plus: **FATH** insertion caps for the FIFO station are manufactured using aluminum die casting and are unbreakable, unlike conventional plastic caps.

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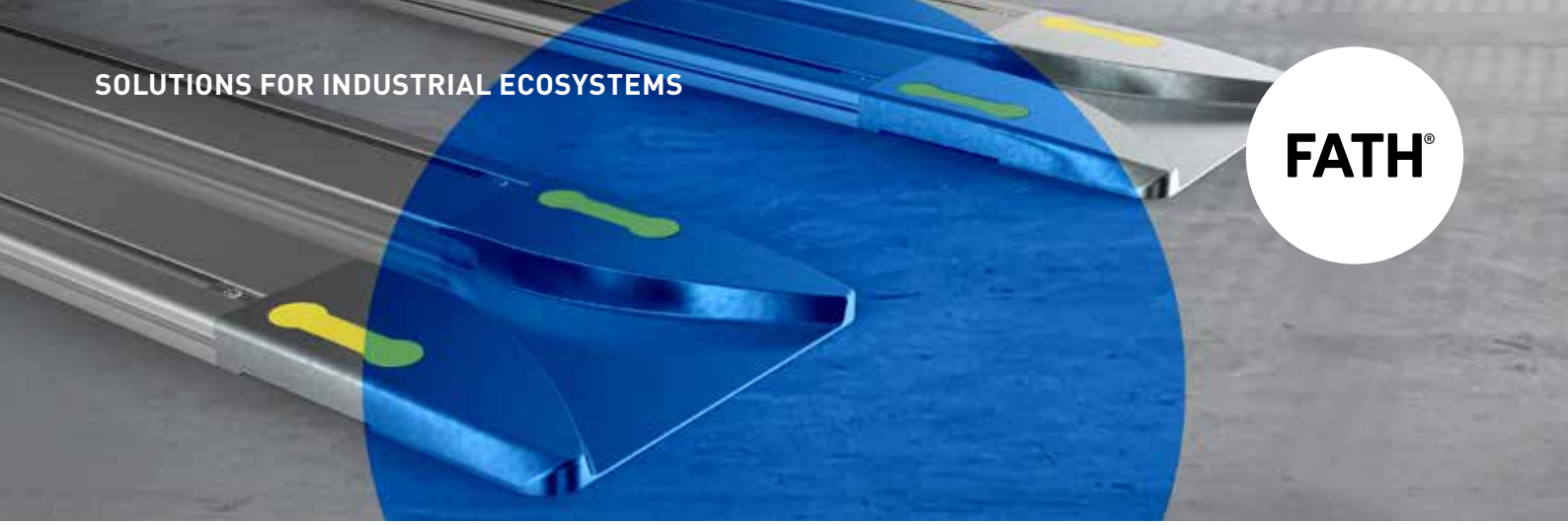

Quick and easy installation without bolting to the floor

FATH FIFO Guiding Rails feature floating installation. The FIFO station doesn't have to be bolted to the floor to be securely seated, which protects factory floors. The rails are held by the dead weight of the dollies. A bolted connection to the floor is available as an option for special requirements; drill holes are integrated into the insertion caps.

Space-saving, one-sided rail guide

One guiding rail per track is sufficient to hold dollies firmly in position. You can freely choose which side of the dolly is to be guided. Just three guiding rails are required for three tracks, for example. This reduces costs, saves space and provides additional flexibility.

Perfect interaction: FATH FIFO Guiding Rails and FATH Dollies

Material provision becomes even more efficient in combination with **FATH** Dollies. The dollies are precisely designed for all KLT/Euro containers 400 x 600 mm and offer a high load-bearing capacity of up to 250 kg. As empties, they can be stacked to save space and stored in a minimal amount of space. Versions are available with and without lateral guide as well as with towing bar systems suitable for tugger trains. All **FATH** rollers for dollies are equipped with high-quality wheels manufactured by Blickle Germany.

More on **FATH** Dollies:
dolly.fath24.com

Would you like to learn more about **FATH** FIFO Guiding Rails?

guiding-rail.fath24.com

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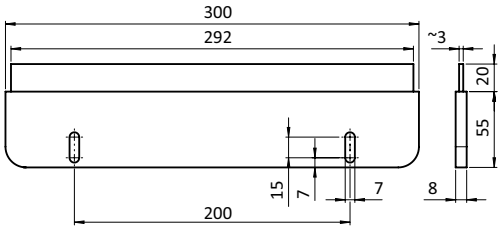
BRUSH BRAKE FOR GUIDING RAIL FIFO (SET)

MODEL	Aluminum, Slot 8
DESCRIPTION	for braking and stopping dollies in guiding rails; variable fixable via slot of the guide rail FIFO
MATERIAL	Body : Aluminum Bristles: Plastics PA
SURFACE	Body : Anodized
COLOR	Bristles: Black
DIMENSIONS	Total Length: 300 mm Length of the Bristles: 20 mm
PACK QUANTITY	1 piece
TIP	Compatible guiding rail FIFO see 02082P.1200



WEIGHT [g]	PART #
149.38	**02082BB**

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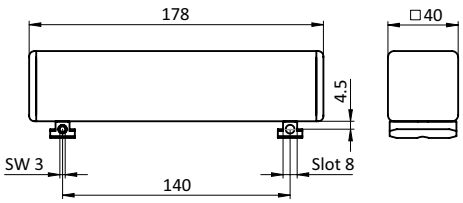
ADJUSTABLE CASTER END STOP FOR GUIDING RAIL FIFO

MODEL	Aluminum
DESCRIPTION	To stop dollies in guiding rails FIFO; Easy installation with enclosed connectors
MATERIAL	Profile: Aluminum Cover Cap: Plastic PA Connector: Steel
SURFACE	Profile: Anodized Connector: Zinc plated
COLOR	Cover caps: Gray ≈ RAL 7042
SET	1 profile piece 2 cover caps 2 connectors
PACK QUANTITY	1 set
TIP	Compatible guiding rail FIFO see 02082P.1200



L [mm]	WEIGHT [g]	PROFILE	PART #
178.0	380.0	I	02082ES

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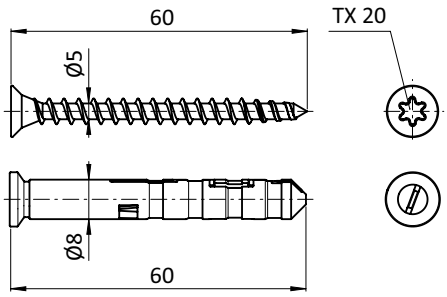
MOUNTING SET INFEED CAP FOR GUIDING RAIL FIFO

MODEL	Steel
DESCRIPTION	To mount infeed caps for guiding rails FIFO to the floor
MATERIAL	Anchor: Plastic Screws: Steel
SURFACE	Screws: Galvanized
COLOR	Anchor: Yellow
SET	8 anchors 8 x 60 8 screws 5 x 60
PACK QUANTITY	1 set



WEIGHT [g]	PART #
88.0	02082FS

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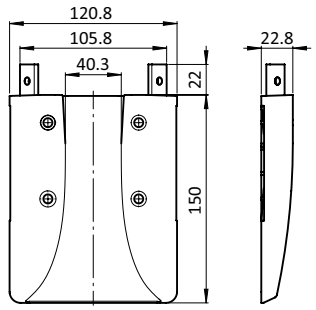
INFEED CAP FOR FIFO MONORAIL RAIL 40 (SET)

MODEL	Aluminum die-cast
DESCRIPTION	For easier loading and unloading of FIFO stations with floor dollies; Robust design, mounting directly in the slot of FIFO monorail rail 40 with enclosed hexagon socket set screws
MATERIAL	Infeed caps: Aluminum die-cast Hexagon socket set screws: Steel
SURFACE	Infeed caps: Powder coated Hexagon socket set screws: Zinc plated
COLOR	Infeed caps: Black
SET	8 infeed caps 16 hexagon socket set screws ISO 4027 - M6 x 8
FASTENING	From the front, using M6 countersunk screws
PACK QUANTITY	1 set



WEIGHT [g]	PART #
2.041	02082CCS02

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HARDWARE FOR FURTHER SUPPORT

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The Stock Monitoring Sensor - Distance detects height differences and sends the data via a gateway to the ambos.io Cloud.
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91058 Erlangen

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