

# ENGINEERING COMPONENTS

PRODUCTOVERVIEW

SOLUTIONS FOR INDUSTRIAL ECOSYSTEMS

The logo consists of a white circle on a blue background. Inside the circle, the word "FATH" is written in a bold, black, sans-serif font.

**FATH**

# ENGINEERING COMPONENTS

With the wide variety of FATH Engineering Components, you can realize almost any design based on aluminum profiles. Even combining different square and round tube profiles is no problem with our versatile portfolio.

The advantage is obvious: You get everything you need from a single source, optimized products, fast delivery, even in large quantities and with reliable availability thanks to our global production sites.

## BIG THINGS COME IN SMALL PACKAGES

How many different components are hidden in your workplace?

→ **95% of the workstation consists of components that could be made by FATH.**



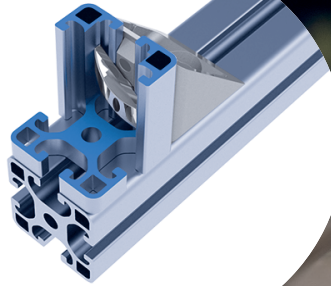
**OVER 10,000 ITEMS READILY AVAILABLE!**

Our standard parts and accessories for nearly all common aluminum profiles are always readily available for you.

# ALU CONNECTION ANGLE M

Installed quickly and easily

It doesn't get any faster than this! The FATH Alu Connection Angle M is the convenient angle for lightning-fast right angle connection of aluminum profiles. Installation is a cinch, as the convenient profile connectors are completely pre-assembled. You no longer need any additional assembly material such as T-slot nuts and screws. Thanks to the innovative use of magnet technology – there are tiny magnets inside – the rhombus screws are always correctly positioned and can be inserted directly into the profile slot. Pre-adjustment is no longer necessary. This magnet technology from FATH is patent-pending.



## More information:

[connection-angle-m.fath24.com](http://connection-angle-m.fath24.com)



**About 7 minutes**  
for 10 Alu Connection  
Angles M

CUSTOMER  
APPROVED:

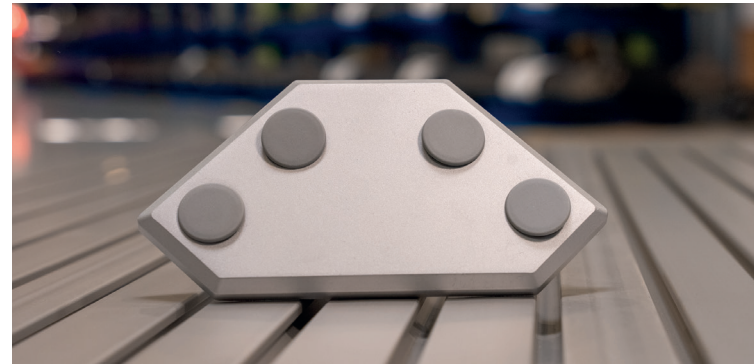


**About 15 minutes**  
when using 10 usual  
Angles

## CONNECTION PLATES:

**the ideal extension to magnetic technology**

Quickly assembled and disassembled for conversion



TIPP

### WELL ADVISED BY TECHNICAL SALES

Follow us on LinkedIn for short assembly videos and product updates.



Maximilian  
Schneider



Lukas  
Liegl



# TOOL HOLDERS FX

Arrange and organize  
the work environment flexibly

FATH Tool Holders FX are practical shop floor aids for greater efficiency and order in assembly or production environments. Thanks to the wide range of variants and the high degree of flexibility, you can meet almost any requirement for effective and ergonomic tool provision at your industrial workplace. This creates positive work life and increases productivity.



## UNIQUE: 360° ROTATABILITY

All FATH Tool Holders FX can be rotated 360° in 36 small steps! This enables a straight mounting even on inclined beams.



## COUNTLESS POSSIBLE APPLICATIONS

All FATH Tool Holders FX can be flexibly combined and attached to the profile, round tube, tubular frame profile or perforated plate.

More information:

[fx.fath24.com](https://fx.fath24.com)





# SYSTEM ARMS & FRICTION JOINTS

Ergonomic positioning at the workplace in no time – with FATH System Arms

## FATH SYSTEM ARMS: ERGONOMIC POSITIONING AT THE WORK- PLACE (IN NO TIME)

Monitors, tool holders, grab trays, container attachments or trays for the provision of workpieces are held steadily in place. All system arms consist of friction joints with a permanently set friction torque and six different levels available for each joint. This means that the mobility can be adapted to fit any need. The system arms are delivered fully assembled ready for direct use at the work table.

### More information:

[system-arm.fath24.com](http://system-arm.fath24.com)



## FATH FRICTION JOINTS: ENDLESS POSSIBILITIES FOR YOUR ASSEMBLY WORKSTATIONS

Build your swivel arms in individual lengths and designs with FATH Friction Joints.

- Fixed friction torque in 6 levels
- Freely adjustable friction torque
- Easy to assemble
- Can be mounted lengthwise, crosswise and on the front

### More information:

[frictionjoint.fath24.com](http://frictionjoint.fath24.com)



# CORNER CONNECTORS WITH CABLE PASSAGE

An innovation from the FATH LAB

The patented corner connections for aluminum profiles enable orderly and secure cable routing directly through the profile connection. The FATH Corner Connectors with Cable Passage are designed to allow delicate cables to pass through the inside of the connectors. With this clever component, you can implement a power supply directly in the slot.

- Orderly cable routing directly through the corner connection
- Available for 2D and 3D profile structures
- Up to six cables can be fed through
- Cover cap and assembly kit included

**More information:**

[cable-corner.fath24.com](http://cable-corner.fath24.com)



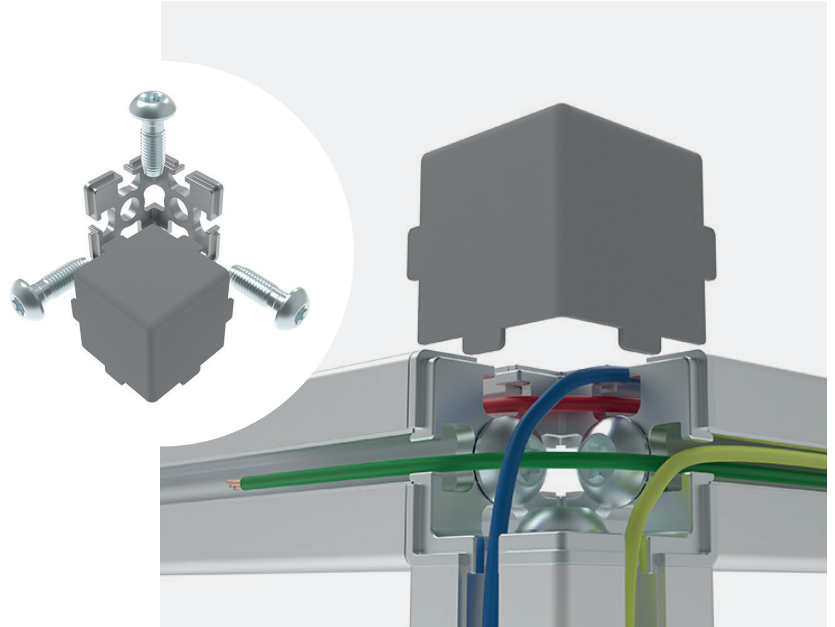
## THE PERFECT COMPLEMENT TO LED-LAMPS AND POWER STRIPS F LINE

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.

- Modular concept: Units can be used separately or in combination – total output of up to 3500 watts
- Remote dimming and remote switching
- Flexible lighting for every visual task

**More information:**

[light-and-power.fath24.com](http://light-and-power.fath24.com)



# FATH CONNECTORS FOR TUBULAR FRAME PROFILES D28 AND D30

Flexible, secure, uncomplicated

Whether you need an ergonomic workstation, a stable shelf or a flexible material trolley - with the FATH Connectors for Round Tubular Profiles D28 and D30, there are no limits to your creativity.

In the constant changing world of industrial production, it is essential to be able to react quickly to changes.

FATH Connectors for Round Tubular Profiles D28 and D30 can be easily disassembled and reused, giving you the greatest possible flexibility in designing your projects.



More information:

[tubular.fath24.com](http://tubular.fath24.com)



**PARTcommunity**

## CAD-DATEN

Intelligent 3D engineering data for Components can be found in the CADENAS PARTcommunity.



[fath24.com/products-cad-download](http://fath24.com/products-cad-download)

FLOOR ELEMENTS



SWIVEL FOOT, PA - BALL JOINT 15



EXTENDED PIVOT FOOT,  
ZN - BALL JOINT 15



TRAPEZOID SWIVEL FOOT -  
BALL JOINT 15



SWIVEL FOOT, SS - BALL JOINT 15



HEAVY-DUTY PIVOT FOOT,  
PA - BDH



PIVOT FOOT



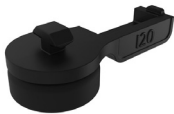
BELL FOOT



ECO FOOT



ADJUSTABLE LEVELING FEET



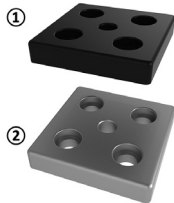
T-SLOT FOOT



THREADED BUSH FOR  
SQUARE TUBES



THREADED BUSH FOR  
ROUND TUBES



TRANSPORT AND BASE PLATE



FLOOR BRACKET AL



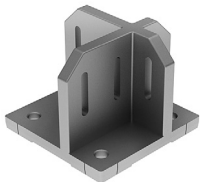
FLOOR BRACKET ZN



FLOOR BRACKET ST



FLOOR MOUNT BASE



FOOT CONSOLE



PROFILE MOUNT BASE



FOOT PLATE



SWIVEL CASTER WITH  
SYSTEM BRAKE



SWIVEL CASTER WITH  
MOUNTING PLATE



HEAVY-DUTY SWIVEL CASTER  
WITH MOUNTING PLATE



FIXED CASTER



FIXED CASTER WITH  
MOUNTING PLATE



SWIVEL CASTER ARM



SWIVEL CASTER WITH  
LIFTING FOOT



LEVELING CASTER WITH  
MOUNTING PLATE



HYDRAULIC LIFT CASTER (SET)



ELECTRIC LIFT CASTER



HINGES



PLASTIC COMBI HINGE MINI



PLASTIC COMBI HINGE



PLASTIC COMBI HINGE WITH  
LOCKING LEVER



SYSTEM HINGE



HEAVY-DUTY PLASTIC HINGE



HEAVY-DUTY PLASTIC HINGE  
65 X 64



ALUMINUM DIE-CAST COMBI  
HINGE



ALUMINUM DIE-CAST HINGE 45



HEAVY-DUTY HINGE



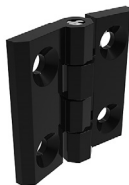
HEAVY ALUMINUM HINGE (SET)



ZINC DIE-CAST HINGE WITH  
LOCKING LEVER



ZINC DIE-CAST HINGE EH



METAL HINGE



METAL HINGE WITH CONSTANT  
FRICTION



LIGHT METAL HINGE (SET)



STAINLESS STEEL COMBI HINGE



STAINLESS STEEL HINGE LR



SWING DOOR HINGE SS

T-NUTS AND T-BOLTS



ROLL-IN T-SLOT NUT MM WITH  
SPRING LOADED BALL



ROLL-IN T-SLOT NUT WITH  
SPRING LEAF



ROLL-IN T-SLOT NUT WITH  
SPRING LOADED BALL



ROLL-IN DOUBLE T-SLOT NUT



T-SLOT NUT



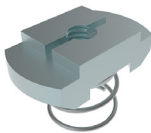
HAMMER NUT



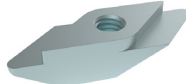
HAMMER HEAD SCREW



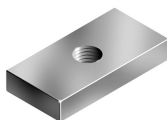
FLANGE NUT



SPRING NUT



RHOMBUS NUT



THREADED PLATE

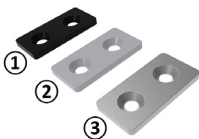


STRADDLING NUT

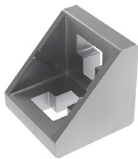
CONNECTING SYSTEMS



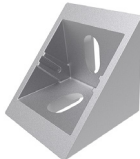
CONNECTION PLATE AL



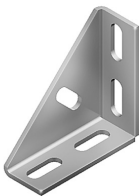
CONNECTION PLATE ST



ALU CONNECTION ANGLE



ZINC CONNECTION ANGLE



STEEL CONNECTION ANGLE



SUPPORT BRACKET



3-WAY CONNECTION ANGLE



COVER CAP 3-WAY CONNECTION ANGLE



FRAME CORNER CONNECTOR PLATE



FRAME CORNER CONNECTOR



CUBE CONNECTOR



BOLT CONNECTOR



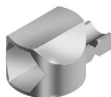
CENTRAL CONNECTOR



SELF FORMING SCREW



PLATE CONNECTOR



UNIVERSAL CONNECTOR



AUTOMATIC CONNECTOR



MILLING CONNECTOR



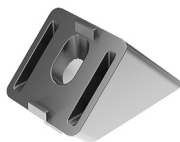
SCREW CONNECTOR



INNER CONNECTOR



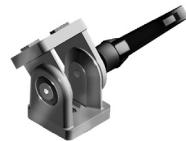
PROFILE CONNECTOR 90°



ANGLE CONNECTOR, 45°



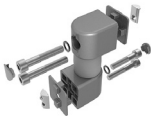
ANGLE ELEMENT



PIVOT JOINT WITH LOCKING LEVER



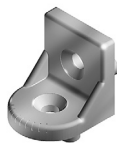
PIVOT JOINT B



FRICTION JOINT FOR SYSTEM ARM



CLAMPING ANGLE



TURNING ANGLE



ANGLE LOCKING BRACKET



PIVOT ANGLE





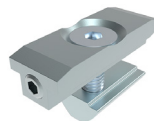
CONNECTING STRIP



MITRE CONNECTOR 30°-90°



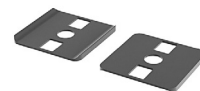
MITRE CONNECTOR 60°-180°



DIRECT CONNECTOR



DIRECT CONNECTOR 90°



RADIUS SEAL

## HANDLES AND LATCHES



FRONT HANDLE



BRIDGE HANDLE



HANDLE



BRIDGE HANDLE B



MACHINE HANDLE



COMFORT HANDLE



SYSTEM HANDLE BENT



TUBES FOR SYSTEM HANDLE



STRIP HANDLE (SET)



HANDLE AL BENDED



SLAM LATCH COMPACT



TWIN SLAM LATCH COMPACT



EMERGENCY OPENER FOR SLAM LATCH



DOOR LOCK (SET)



MAGNETIC CATCH HANDLE COMPACT



MAGNETIC CATCH



BALL CATCH



DOOR LATCH (SET)



DOUBLE BALL CATCH PA



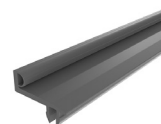
DOUBLE BALL CATCH MS



DOOR LATCH



DOOR STOP



SEALING STRIP

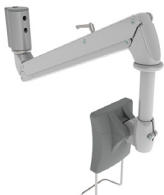


SEALING PROFILE

COMPONENTS WORK STATION



MONITOR WORK STATION  
SIT / STAND



MONITOR SUSPENSION ARM SKY



MONITOR SUPPORT, HEIGHT  
ADJUSTABLE (SET)



MONITOR MOUNT



KEYBOARD ARM (SET)



CUP HOLDER



TOOL HANGER



MAGNETIC HOLDER



TOOL HOOK FX 17/57 - 24



TOOL HOOK FX R35 - 27,  
RUBBERIZED



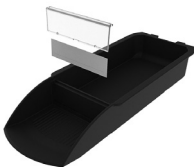
BOTTLE HOLDER FX



TOOL QUIVER FX D50



GRAB TRAY (SET)



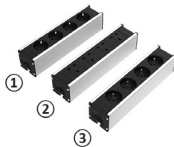
TRAY CONTAINER



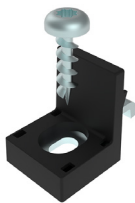
MAGNIFYING LAMP D160 WITH  
JOINTED ARM (SET)



LED LAMP MODULE F LINE



POWER STRIP MODULE F LINE



TOP ANGLE CLAMP

SLIDERS AND ROLLERS



PROFILE SLIDER ZN 40 X 80 (SET)



PROFILE SLIDER ZN 40 X 80 WITH  
LOCKING LEVER (SET)



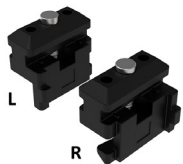
PROFILE SLIDER 8 + 10



LIFT DOOR GUIDE (SET)



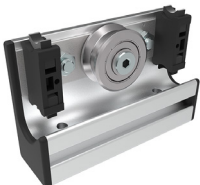
FOLDING DOOR ELEMENT (SET)



SLIDING DOOR GUIDE FOR  
CLAMP PROFILE



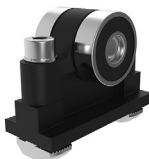
SLIDING DOOR GUIDE SET



BEARING UNIT FOR  
C-RAIL-PROFILE



PANEL SLIDER



TROLLEY (SET)



ROLLER FOR T-SLOTTED PROFILES



BEARING UNIT

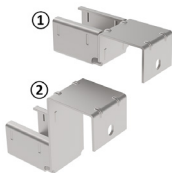
CONVEYORS



ROLLER TRACK I 60X24



ROLLER TRACK XST



HOLDING BRACKET



ROLLER TRACK AL



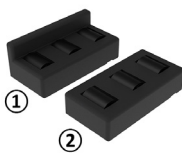
END PLATE AL



STOP BUFFER



SLIDE RAIL AL



ROLLER ELEMENT



SLIDE RAIL



ROLLER MOUNTING BLOCKS



BEARING BLOCK FOR  
SUPPORT ROLLER



BEARING FOR SUPPORT ROLLER

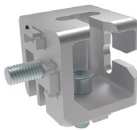


SENSOR MOUNTING BLOCK



RETURN STOP (SET)

ENCLOSURES, GUARDS AND PARTITIONS



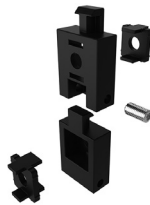
CLAMP PROFILE CONNECTOR  
(SET)



SAFETY HANGER 8/8 (SET)



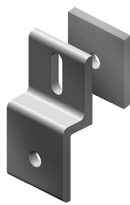
SUPENSION BRACKET CS (SET)



HANGER 6-8 (SET)



WIRE MESH CLAMP

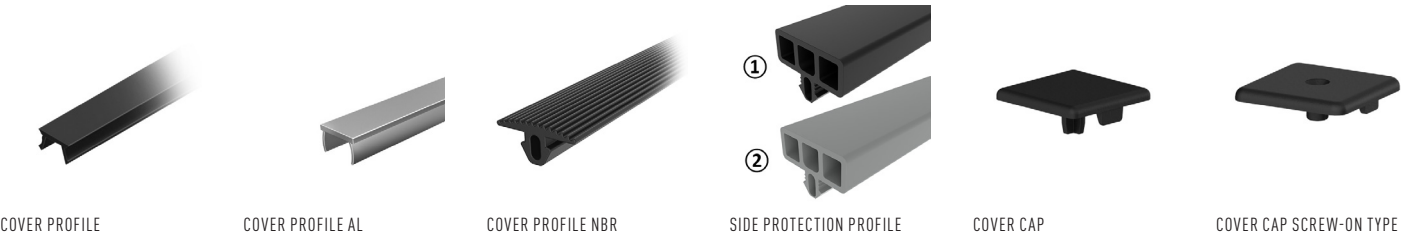


WIRE MESH PANEL HOLDER (SET)

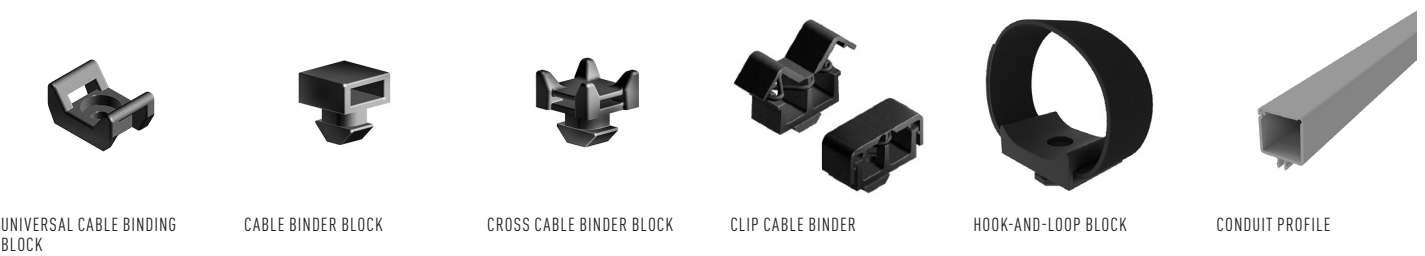
PANEL FASTENERS




COVER ELEMENTS




CABLE MANAGEMENT




MISCELLANEOUS COMPONENTS




POTENTIAL EQUALIZER FOR T-SLOT



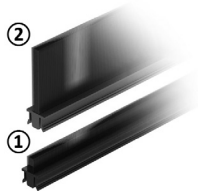
GROUNDING CONNECTOR (SET)



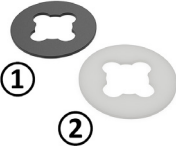
POTENTIAL EQUALIZER (SET)



GROUNDING TERMINAL FOR T-SLOT



STRIP BRUSH



ANTI-LOSS WASHER

TUBULAR FRAME COMPONENTS



SLIDE RAIL



THREADED SLEEVE (SET)



OUTER T-CONNECTOR (SET)



PARALLEL CONNECTOR (SET)



PARALLEL CLAMP (SET)



ANGLE CONNECTOR 2D (SET)



OUTER BALL CONNECTOR (SET)



INNER BALL BUTT CONNECTOR (SET)



CORNER CONNECTOR 2D (SET)



T-CONNECTOR PLATE



T-CONNECTOR (SET)



VARIO BLOCK AL (SET)



LABEL CLIP D28 / D30



ANGLE CONNECTOR 2D (SET)



TOP CLAMP D30 (SET)



MOUNTING CLAMP D30 (SET)



ROLLER Ø 39.5 FOR TUBULAR FRAME PROFILES (SET)



SLIDE BEARING D40/D30



HOLDING BRACKET

**FATH GmbH**

Gewerbepark  
Hügelmühle 31  
91174 Spalt  
Germany

P: +49 9175 7909-200  
F: +49 9175 7909-29  
info.de@fath24.com

**FATH Inc.**

6533 Hazeltine National  
Drive, Suite 3  
Orlando, FL 32822  
USA

P: +1 407 601-5900  
F: +1 407 601-5905  
info.us@fath24.com

**FATH Machine Components  
(Shanghai) Co., Ltd.**

Building B5, No. 915 Qian  
Ming East Road  
201501 Jinshan / Shanghai  
PR China

P: +86 21 5774 4520  
info.cn@fath24.com

**FATH Kft.**

Gyár u. 2  
2040 Budaörs  
Hungary

P: +36 23 880-977  
F: +36 23 880-978  
info.hu@fath24.com

**FATH Components Ltd.**

6 Pegasus Court, North Lane  
Aldershot  
Hampshire  
GU12 4QP  
Great Britain

P: +44 1252 346610  
info.gb@fath24.com

**FATH Inc. S.A. de C.V.**

Av. Central 230, Int. 140  
Los Lermas  
67188 Guadalupe, N.L.  
Mexico

P: +52 81 3424-1428  
info.mx@fath24.com

**FATH do Brasil Componentes  
Industriais Ltda**

Rua Santa Mônica, 1106  
Parque Industrial San José  
Cotia - SP  
06715 - 865  
Brazil

P: +55 11 2898-9753  
info.br@fath24.com

**FATH BV**

Rudolf Dieselweg 14  
5928 RA Venlo  
The Netherlands

P: +31 773333555  
F: +31 773333550  
info.nl@fath24.com

**FATH Schweiz AG**

Driesbüelstraße 11  
8808 Pfäffikon  
Switzerland

P: +41 79 577 61 97  
info.ch@fath24.com

**Flowsort BV**

Rudolf Dieselweg 14  
5928 RA Venlo  
The Netherlands

P: +31 850761339  
info@flow-sort.com