



Aluminum T-Slotted Rail

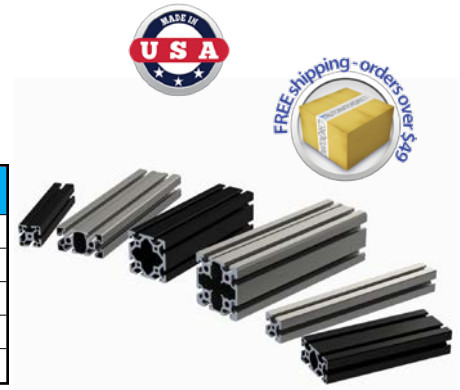
10 Series Fractional T-Slotted Aluminum Rail


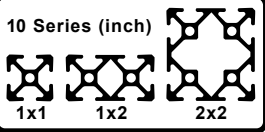







SureFrame™ T-slotted aluminum rails are extruded exclusively for AutomationDirect, with features, quality, and performance you expect. SureFrame T-slotted rails are compatible with other popular brands.

- Cut to length in 0.001 inch increments
- Minimum cut length: 6"
- Maximum cut length: 90"
- Cut accuracy: +/- 0.006"
- Corrosion and UV resistant



| Properties | |
|---------------------|-----------------------------|
| Material | Aluminum 6063-T6 |
| Finish | Clear or Black Anodize |
| Hardness | Webster Model B 11-12 |
| Straightness | 0.0125 inch/ft [1.042 mm/m] |
| Twist | 0.25°/ft [0.25°/305mm] |



| 10 Series (inch) | | | | | | | | |
|---|---|------------------------------|--------------|--|----------------------|---|---|----------------------------|
| <div>Slot Size</div> <div></div> | | <div>Core Hole Ø 0.20"</div> | | <div>10 Series (inch)</div> <div></div> | | <div></div> <div>Drop Lock</div> <div>T-Slot Drop Lock feature improves connection strength and vibration resistance</div> | | |
| Part Number | Part Image | Price per inch | Profile Size | Weight Class | Weight lbs/ft [kg/m] | Moment of Inertia Lx (in ⁴ [cm ⁴]) | Moment of Inertia Ly (in ⁴ [cm ⁴]) | Drawing Link |
| <u>1010C</u> |  | \$0.24 | 1 x 1in | Standard | 0.529 [0.787] | 0.045 [1.872] | 0.045 [1.872] | <u>PDF</u> |
| <u>1010B</u> |  | \$0.49 | | | | | | <u>PDF</u> |
| <u>1020C</u> |  | \$0.41 | 1 x 2in | | 0.952 [1.417] | 0.084 [3.494] | 0.308 [12.813] | <u>PDF</u> |
| <u>1020B</u> |  | \$0.75 | | | | | | <u>PDF</u> |
| <u>2020C</u> |  | \$0.61 | 2 x 2in | | 1.482 [2.205] | 0.543 [22.589] | 0.543 [22.589] | <u>PDF</u> |
| <u>2020B</u> |  | \$0.99 | | | | | | <u>PDF</u> |

Extruded T-slotted rails have a thru Core Hole feature that can be used to attach various components to the end of the profile using:

- Self-tapping / thread-forming screws (no tapping needed)
- A tap to thread the core hole for a threaded fastener



Please Note: Prices on aluminum are closely tied to the market price. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.



Aluminum T-Slotted Rail

Deflection Calculations

Using the calculations below, find your approximate deflection* for a specific extrusion.
See table below for variations.

As always when calculating, use diligence and work only in either imperial or metric units at one time.

"E" = Modulus of Elasticity

"F" = Force

"I" = Moment of Inertia

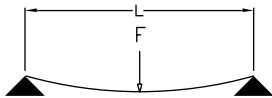
"L" = Length

"W" = Weight

**for reference only*

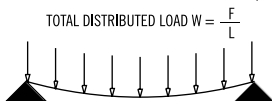
Supported Loads

CONCENTRATED LOAD AT CENTER (simply supported)



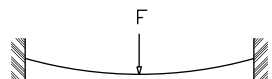
$$\text{MAX DEFLECTION} = \frac{FL^3}{48 EI}$$

UNIFORMLY DISTRIBUTED LOAD (simply supported)



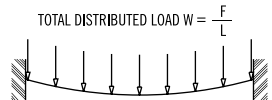
$$\text{MAX DEFLECTION} = \frac{5}{84} \frac{WL^4}{EI}$$

CONCENTRATED LOAD AT CENTER (between fixed supports)



$$\text{MAX DEFLECTION} = \frac{FL^3}{192 EI}$$

UNIFORMLY DISTRIBUTED LOAD (between fixed supports)



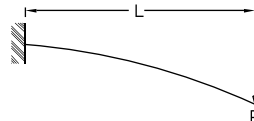
$$\text{MAX DEFLECTION} = \frac{WL^4}{384 EI}$$

Aluminum 6063-T6 Properties

| | |
|------------------------------|---------------------------|
| Yield Strength | 29,007 psi [200 MPa] |
| Tensile Strength | 33,359 psi [230 MPa] |
| Modulus of Elasticity | 10,000,000 psi [68.9 GPa] |

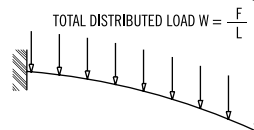
Cantilever Loads

CONCENTRATED LOAD AT CENTER (simply supported)



$$\text{MAX DEFLECTION} = \frac{FL^3}{3 EI}$$

UNIFORMLY DISTRIBUTED LOAD (simply supported)


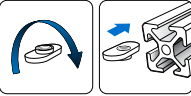










$$\text{MAX DEFLECTION} = \frac{WL^4}{8 EI}$$



FATH® T-Slotted Rail Accessories

T-Slot Nuts

- Designed to fit into the T-slot cavity of extruded aluminum rails.
- Hammer nuts provide safe electrostatic discharging (ESD) connection.
- No machining required.
- Material: zinc plated steel

| T-Slot Nuts Selection | | | | | |
|--|-------------------------------------|--|------------------------------|----------------|--|
| Part Image | Nut Type | Installation | Holds Position Without Screw | ESD Connection | |
|  | Double Economy T-Nut |  | | No | |
|  | Economy T-Nut | | | | |
|  | Hammer Nut |  | No | Yes | |
|  | Slide-In Nut |  | | No | |
|  | Roll-In Nut with Leaf Spring |  | Yes | | |
|  | Roll-In Nut with Spring Loaded Ball | | | | |



| 10 Series T-Slot Nuts | | | | | | |
|------------------------|---|--|---|-------------|---------------|---------------------|
| Fits | | Slot Size  |  | | | |
| Part Number | Part Image | Price | Nut Type | Thread Size | Pack Quantity | Drawing Link |
| 161113 |  | \$13.00 | Roll-In Nut | 8-32 UNF | 10 | PDF |
| 161124 |  | \$9.50 | Hammer Nut | | | PDF |
| 161112 |  | \$13.00 | Roll-In Nut | 10-32 UNF | | PDF |
| 151038 |  | \$11.00 | Hammer Nut | 10-32 UNF | | PDF |
| 148804 |  | \$4.00 | Double Economy T-Nut | 1/4-20 UNC | 4 | PDF |
| 151037 |  | \$5.50 | Economy T-Nut | | 10 | PDF |
| 151039 |  | \$15.00 | Roll-In Nut | | | PDF |

FATH® T-Slotted Rail Accessories

Fasteners


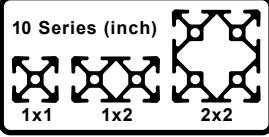


- Choose from 4 Head types in numerous lengths
- Hex socket head
- Select desired T-Slot nut style with corresponding thread size.
- Material: Black zinc plated or bright zinc plated steel, prevents corrosion better than typical black oxide coatings


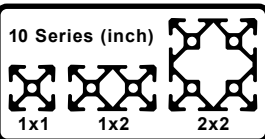



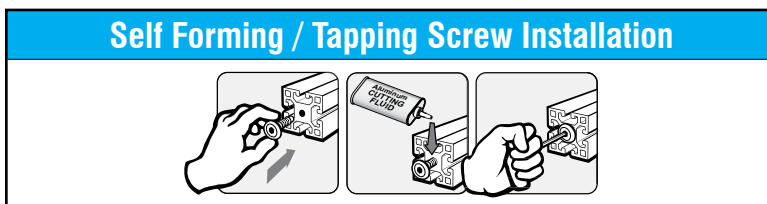
| 10 Series Fasteners | | | | | | | | | |
|------------------------|---|-----------------------------------|---|---------------------|------------------------------|---------------------|---------------|------------------------------|----------------------------|
| <div>Fits</div> | | <div>Slot Size</div> <div>6</div> | <div>10 Series (inch)</div> <div><div>1x1</div><div>1x2</div><div>2x2</div></div> | | | | | | |
| Part Number | Part Image | Price | Thread | Screw Length | Head Type | Color | Pack Quantity | Drawing Link | |
| 162994 |  | \$8.00 | #8-32 UNF | 3/8 in | Button head socket cap screw | Flat black | 10 | PDF | |
| 161073 |  | \$7.75 | | 1/2 in | Flat head socket cap screw | | | PDF | |
| 162993 |  | \$7.50 | #10-32 UNF | 3/8 in | Button head socket cap screw | | | PDF | |
| 162995 |  | \$7.75 | | 1/2 in | Socket head cap screw | | | PDF | |
| 161046 |  | \$4.75 | | | 5/8 in | | | Button head socket cap screw | PDF |
| 161047 |  | \$5.00 | | PDF | | | | | |
| 161048 |  | \$5.75 | | 3/4 in | | | | | PDF |
| 161074 |  | \$6.25 | | 1/2 in | | | | | Flat head socket cap screw |
| 151040 |  | \$4.25 | Button head socket cap screw | | PDF | | | | |
| 151041 |  | \$5.25 | Flanged button head socket cap screw | | Gloss black | PDF | | | |
| 161049 |  | \$4.50 | 1/4-20 UNC | 9/16 in | Button head socket cap screw | Flat black | | PDF | |
| 161075 |  | \$6.25 | | 5/8 in | Flat head socket cap screw | | | PDF | |
| 161050 |  | \$4.75 | | | Button head socket cap screw | | | PDF | |
| 161087 |  | \$4.00 | | | Socket head cap screw | | | PDF | |

FATH® T-Slotted Rail Accessories

Fasteners - Continued

| 10 Series Fasteners | | | | | | | | |
|------------------------|---|--|---|--------------|------------------------------|------------|---------------|---------------------|
| Fits | | Slot Size  | <div>10 Series (inch)</div>  | | | | | |
| Part Number | Part Image | Price | Thread | Screw Length | Head Type | Color | Pack Quantity | Drawing Link |
| 161051 |  | \$4.75 | 1/4-20 UNC | 3/4 in | Button head socket cap screw | Flat black | 10 | PDF |
| 161052 |  | \$5.25 | 1/4-20 UNC | 1in | | | | PDF |

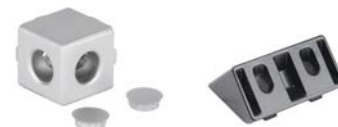
| 10 Series Self Forming / Tapping Screw | | | | | | | | |
|---|---|---|--------|--------------|--|-------------|---------------|---------------------|
| <div>Fits</div> <div><div>10 Series</div><div></div><div>Core Hole</div></div> | | <div><div>10 Series (inch)</div><div></div></div> | | | <div>Works with Aluminum with hole diameter 0.197" - 0.216" [5.0 - 5.5 mm]</div> | | | |
| Part Number | Part Image | Price | Thread | Screw Length | Head Type | Color | Pack Quantity | Drawing Link |
| 161103 |  | \$8.75 | S6 | 16mm | Self-Tapping Screw Button head socket cap T-25 Torx | Bright zinc | 10 | PDF |



FATH® T-Slotted Rail Accessories

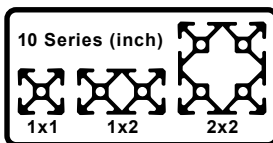
Connecting Components







- Connects two or three T-slot rails together
- Recommended ADC Fastener based on part feature, slot depth and core hole
- Material: varies by part



10 Series Connecting Components

Fits  Slot Size 6



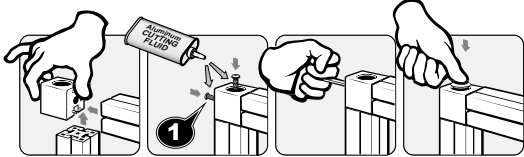
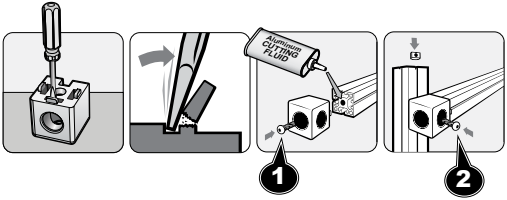
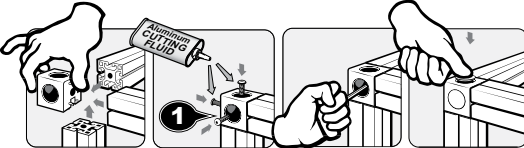
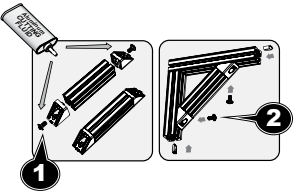
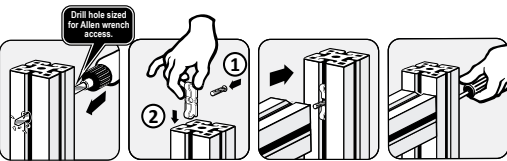
| Part Number | Part Image | Price | Description | Fits Profile | Material | Recommended Screw Fastener (ADC Part Number) | | Pack Quantity | Drawing Link |
|------------------------|---|---------|-------------------|--------------|-------------------|--|---|---------------|---------------------|
| | | | | | | Core Hole Attachment 1 | *T-Slot Attachment 2 | | |
| 148953 |  | \$8.25 | 2d Cube Connector | 1 x 1in | Die-cast aluminum | 161103 | Socket Head Cap Screw 1/4-20 x 7/16" ** | 1 | PDF |
| 166230 |  | \$10.00 | | | | Fasteners Included (161103) | | | PDF |
| 148956 |  | \$10.50 | 3d Cube Connector | | | 161103 | n/a | | PDF |
| 166231 |  | \$12.00 | | | | | PDF | | |
| 151042 |  | \$4.25 | Angle Connector | 1 x 2in | | Fasteners Included (161103) | Fasteners Included (151040 & 151039) | 10 | PDF |
| 166232 |  | \$4.75 | | | | | PDF | | |
| 151043 |  | \$7.50 | | | | 161103 | 151040 | | PDF |
| 166233 |  | \$8.00 | | | | | PDF | | |
| 163007 |  | \$10.50 | Screw Connector | 1 x 1in | Zinc plated steel | Designer's choice | n/a | 10 | PDF |

*T-Slot Nut also required.

** Recommended fastener not available from AutomationDirect.com

FATH® T-Slotted Rail Accessories

Connecting Components - Continued

| Connecting Components Installation | |
|--|--|
| Core Hole Installation | T-Slot Installation |
| 2D Cube Connector  |  |
| 3D Cube Connector  | n/a |
| Angle Connector  | |
| Screw Connector  | |

FATH® T-Slotted Rail Accessories

Joining Plates

- Connects two or more T-slot rails together
- Recommended ADC Fastener based on plate thickness and slot depth
- Material: Anodized aluminum



| 10 Series Joining Plates | | | | | | | | |
|--------------------------|------------|-----------------------------------|--|---|---------------|---------------------|--|---------------------|
| <div>Fits</div> | | <div>Slot Size</div> <div>6</div> | <div>10 Series (inch)</div> <div><div><div>1x1</div><div>1x2</div><div>2x2</div></div></div> | | | | | |
| Part Number | Part Image | Price | Description | Recommended Screw Fastener *T-Slot Attachment (ADC Part Number) | Pack Quantity | Drawing Link | | |
| 151044 | | \$2.50 | Straight Flat Plate | 151040 or 151041 | 1 | PDF | | |
| 166234 | | \$3.00 | | | | PDF | | |
| 151045 | | \$3.75 | | | | PDF | | |
| 166235 | | \$4.00 | | | | PDF | | |
| 151046 | | \$4.50 | | | | PDF | | |
| 166236 | | \$5.00 | | | | PDF | | |
| 151047 | | \$4.25 | | | | PDF | | |
| 166237 | | \$5.00 | | | | PDF | | |
| 151048 | | \$6.50 | Rectangular Flat Plate | | | | | PDF |
| 166238 | | \$7.00 | | | | PDF | | |
| 151049 | | \$5.50 | | | | PDF | | |
| 166239 | | \$6.00 | | | | PDF | | |
| 151050 | | \$6.25 | Flat Plate | | | | | PDF |
| 166240 | | \$7.00 | | | | PDF | | |

*T-Slot Nut also required

*T-Slot Nut also required

FATH® T-Slotted Rail Accessories

Joining Plates - Continued

| 10 Series Joining Plates - Cont'd | | | | | | |
|--|---|---------|---------------------|---|---------------|---------------------|
| <div><div><div>Fits</div><div>Slot Size 6</div></div><div><div>10 Series (inch)</div><div><div> 1x1</div><div> 1x2</div><div> 2x2</div></div></div></div> | | | | | | |
| Part Number | Part Image | Price | Description | Recommended Screw Fastener *T-Slot Attachment (ADC Part Number) | Pack Quantity | Drawing Link |
| 151051 |  | \$6.50 | Flat Plate | 151040 or 151041 | 1 | PDF |
| 166241 |  | \$7.00 | | | | PDF |
| 151052 |  | \$6.50 | T-Shaped Flat Plate | | | PDF |
| 166242 |  | \$7.00 | | | | PDF |
| 151053 |  | \$7.25 | | | | PDF |
| 166243 |  | \$8.00 | | | | PDF |
| 151054 |  | \$10.50 | | | | PDF |
| 166244 |  | \$12.00 | | | | PDF |
| 151055 |  | \$9.50 | Cross Flat Plate | | | PDF |
| 166245 |  | \$11.00 | | | | PDF |
| 151056 |  | \$8.00 | L-Shaped Flat Plate | | | PDF |
| 166246 |  | \$9.00 | | | | PDF |
| 151057 |  | \$10.50 | T-Shaped Flat Plate | | | PDF |
| 166247 |  | \$12.00 | | | | PDF |
| *T-Slot Nut also required | | | | | | |

*T-Slot Nut also required

FATH® T-Slotted Rail Accessories

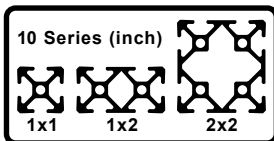
Brackets













- Connects two T-slot rails together at a 90° angle
- Recommended ADC Fastener based on part features and slot depth
- Material: varies by part



10 Series Brackets

Fits  Slot Size 6















| Part Number | Part Image | Price | Description | Recommended Screw Fastener (ADC Part Number) | | Pack Quantity | Material | Drawing Link | | | |
|------------------------|---|--------|----------------------------|---|-------------------------|---------------|-------------------|---------------------|------------------------|--|---------------------|
| | | | | Core Hole Attachment 1 | *T-Slot Attachment 2 | | | | | | |
| 148915 |  | \$1.50 | Angle Bracket | n/a | 162994 | 1 | Die-cast aluminum | PDF | | | |
| 166249 |  | \$1.50 | | | | | | PDF | | | |
| 151059 |  | \$4.00 | | | 162993 | | Die-cast zinc | PDF | | | |
| 166250 |  | \$4.00 | | | | | | PDF | | | |
| 151058 |  | \$2.50 | Inside Corner Bracket | | | | | Anodized aluminum | PDF | | |
| 166248 |  | \$3.00 | | | | | | | PDF | | |
| 151061 |  | \$4.75 | Tall Inside Corner Bracket | | | | | | 151040 | | PDF |
| 166252 |  | \$5.00 | | | | | | | | | PDF |
| 151060 |  | \$4.75 | Wide Inside Corner Bracket | | | | | | | | PDF |
| 166251 |  | \$5.00 | | | | | | | | | PDF |
| 151062 |  | \$6.75 | Inside Corner Bracket | | | | | | | | PDF |
| 166253 |  | \$8.00 | | | | | | | | | PDF |

*T-Slot Nut also required.

** Recommended fastener not available from AutomationDirect.com

FATH® T-Slotted Rail Accessories

Brackets - Continued

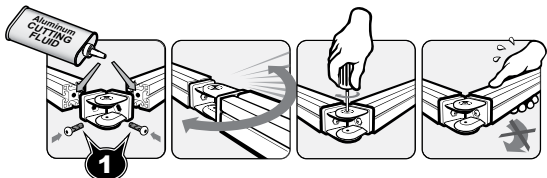
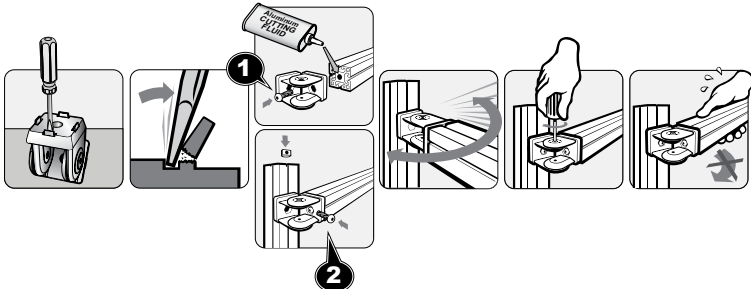
| 10 Series Brackets - Cont'd | | | | | | | | |
|-----------------------------|---|----------------|---|---|-------------------------|---------------|-------------------|---------------------|
| Fits | | Slot Size 6 | <div>10 Series (inch)</div> <div><div>1x1</div><div>1x2</div><div>2x2</div></div> | | | | | |
| Part Number | Part Image | Price | Description | Recommended Screw Fastener (ADC Part Number) | | Pack Quantity | Material | Drawing Link |
| | | | | Core Hole Attachment 1 | *T-Slot Attachment 2 | | | |
| 151063 |  | \$3.00 | Gusseted Inside Corner Bracket | n/a | 151040 | 1 | Anodized aluminum | PDF |
| 166254 |  | \$3.00 | | | | | | PDF |
| 151064 |  | \$5.25 | Tall Gusseted Inside Corner Bracket | | | | | PDF |
| 166255 |  | \$6.00 | | | | | | PDF |
| 151065 |  | \$5.75 | Wide Gusseted Inside Corner Bracket | | | | | PDF |
| 166256 |  | \$6.00 | | | | | | PDF |
| 151066 |  | \$10.50 | Gusseted Inside Corner Bracket | | | | | PDF |
| 166257 |  | \$12.00 | | | | | | PDF |
| 151067 |  | \$30.50 | Pivot Joint | 161103 | 161049 | | Die-cast zinc | PDF |
| 166258 |  | \$36.00 | | | | | | PDF |
| 148932 |  | \$39.50 | Pivot Joint With Locking Handle | | | | | PDF |
| 166259 |  | \$47.00 | | | | | | PDF |

*T-Slot Nut also required.

** Recommended fastener not available from AutomationDirect.com

FATH[®] T-Slotted Rail Accessories

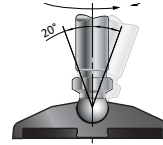
Brackets - Continued

| Brackets Installation | |
|---|--|
| Core Hole Installation | T-Slot Installation |
| Pivot Joint | |
|  |  |

FATH® T-Slotted Rail Accessories

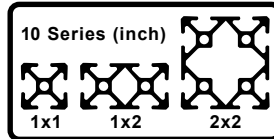
Bases













- Recommended ADC Fastener based on part features and extrusion core hole
- Material: varies by part



10 Series Bases

Fits Slot Size
6



| Part Number | Part Image | Price | Diameter | Description | Fits | Load Rating kg [lb] | Recommended Screw Fastener (ADC Part Number) | | Pack Quantity | Material | Drawing Link | | | | | | | | | | | |
|------------------------|---|---------|----------------------|---|--|------------------------|---|------------------------|---------------|---------------------|---------------------|---------------------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | Core Hole Attachment 1 | T-Slot Attachment 2 | | | | | | | | | | | | | | |
| 118356 |  | \$16.00 | n/a | 1/4-20 UNC Transport/Base Plate | 1 x 2in | n/a | 161103 (2) included with kit | n/a | 1 | Die-cast zinc | PDF | | | | | | | | | | | |
| 146399 |  | \$16.00 | | 3/8-16 UNC Transport/Base Plate | | | | | | | PDF | | | | | | | | | | | |
| 151074 |  | \$7.25 | | 1/4-20 UNC x 1-1/2in Swivel Foot Threaded Rod with 15 mm ball | Transport/ Base Plate 118356 | 210 [463]* | Zinc plated steel | | | PDF | | | | | | | | | | | | |
| 151075 |  | \$4.50 | | 3/8-16 UNC x 1-1/2in Swivel Foot Threaded Rod with 15 mm ball | Transport/ Base Plate 146399 | 470 [1036]* | Zinc plated steel | | | PDF | | | | | | | | | | | | |
| 151068 |  | \$4.00 | 1.57 in [39.0 mm] | Swivel Base With Anti-Slip Plate | Any 15mm ball Threaded Rod | 900 [1984] | n/a | | | Nylon | PDF | | | | | | | | | | | |
| 151071 |  | \$9.50 | | | | 3000 [6614] | | | | | Die-cast zinc | PDF | | | | | | | | | | |
| 151072 |  | \$17.00 | 3.11 in [79.0 mm] | | | | | | | | | PDF | | | | | | | | | | |
| 151073 |  | \$17.00 | | | | | | | | | | PDF | | | | | | | | | | |
| 151069 |  | \$6.00 | 900 [1984] | | | | | | | | Nylon | PDF | | | | | | | | | | |
| 151070 |  | \$6.00 | | | | | | | | | | PDF | | | | | | | | | | |
| 151255 |  | \$10.00 | 3.90 in [99.0 mm] | | | 900 [1984] | | | | | | PDF | | | | | | | | | | |
| 151256 |  | \$10.00 | | | | | | | | | | PDF | | | | | | | | | | |

*Based on installation with Transport / Base Plate

Load rating of a swivel foot assembly is based on the part with the lowest load rating, typically the threaded rod.

Example:

Threaded rod load rating = 210kg [463lb]

Swivel base load rating = 3000kg [6614lb]

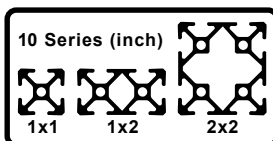
Swivel foot assembly load rating = 210kg [463lb]






FATH® T-Slotted Rail Accessories

Bases - Continued

10 Series Bases - continued

Fits 



| Part Number | Part Image | Price | Diameter | Description | Fits | Load Rating kg [lb] | Recommended Screw Fastener (ADC Part Number) | | Pack Quantity | Material | Drawing Link |
|------------------------|--|---------|-------------------|----------------------------------|----------------------------|---------------------|--|------------------------------|---------------|-------------------|---------------------|
| | | | | | | | Core Hole Attachment 1 | **T-Slot Attachment 2 | | | |
| 151257 |  | \$24.00 | 3.90 in [99.0 mm] | Swivel Base With Anti-Slip Plate | Any 15mm ball Threaded Rod | 3500 [7716] | n/a | n/a | 1 | Die-cast zinc | PDF |
| 151258 |  | \$24.00 | | | | | | | | | PDF |
| 162933 |  | \$12.50 | See Drawing Link | Extended Swivel Base | Any 15mm ball Threaded Rod | 1000 [2204] | | | | Nylon | PDF |
| 162934 |  | \$27.00 | | | | 3000 [6613] | | | | Die-cast zinc | PDF |
| 162955 |  | \$10.00 | n/a | Floor Bracket | 1 x 1in, 1 x 2in, 2 x 2in | n/a | | 151040 | | Anodized aluminum | PDF |

*Based on installation with Transport / Base Plate

Load rating of a swivel foot assembly is based on the part with the lowest load rating, typically the threaded rod.

Example:

Threaded rod load rating = 210kg [463lb]

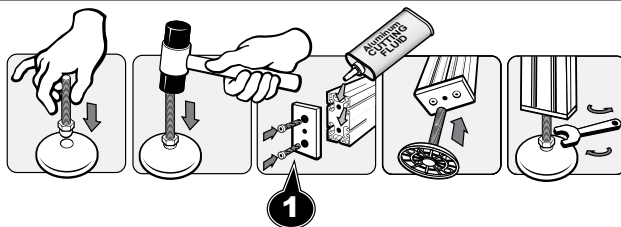
Swivel base load rating = 3000kg [6614lb]

Swivel foot assembly load rating = 210kg [463lb]

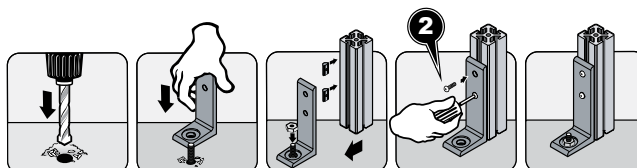
**T-Slot nut also required

Bases Installation

Swivel Foot







Floor Bracket



FATH® T-Slotted Rail Accessories

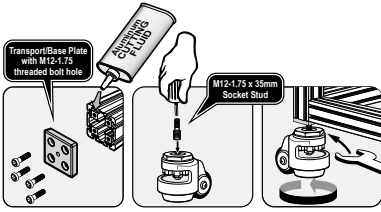

Casters

- Recommended ADC Fastener based on part feature and attachment type
- Material: varies by part

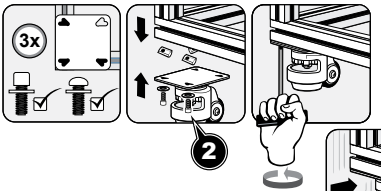
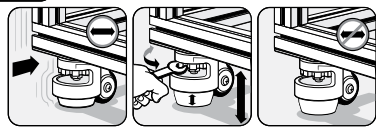
| 10 Series Casters | | | | | | | | | |
|--|---|----------------|---|------------------------|--|--|------------------|---|---------------------|
| Fits | | Slot Size 6 | <div>10 Series (Inch)</div> <div><div>1x1</div><div>1x2</div><div>2x2</div></div> | | | | | | |
| Part Number | Part Image | Price | Description | Load Rating kg [lb] | Requires | Recommended Screw Fastener *T-Slot Attachment 2 (ADC Part Number) | Pack Quantity | Material | Drawing Link |
| 163010 |  | \$40.00 | Leveling Caster with M12-1.75 x 35mm threaded stud (included) | 250 [551] | Transport / Base Plate with M12-1.75 threaded hole | n/a | 1 | Die-cast aluminum/ steel/nylon/ rubber | PDF |
| 163011 |  | \$52.00 | | 500 [1102] | | | | | PDF |
| 163012 |  | \$41.00 | Leveling Caster With Mounting Plate | 250 [551] | n/a | BHCS 1/4-20x7/16" (not sold by ADC) | | | PDF |
| 163013 |  | \$56.00 | | 500 [1102] | | | | | PDF |
| *T-Slot Nut with 1/4 washer also required. | | | | | | | | | |

Caster Installation

Leveling Caster with M12-1.75 x 35mm threaded stud

Leveling Caster with mounting plate















FATH® T-Slotted Rail Accessories

Hinges

- Recommended ADC Fastener based on part feature and slot depth
- Material: varies by part



| 10 Series Hinges | | | | | | | |
|---------------------------|---|--|--|---|---------------|-------------------------------|---------------------|
| Fits | | Slot Size  | <div><div>10 Series (inch)</div><div></div><div>1x1 1x2 2x2</div></div> | | | | |
| Part Number | Part Image | Price | Description | Recommended Screw Fastener *T-Slot Attachment (ADC Part Number) | Pack Quantity | Material | Drawing Link |
| 151076 |  | \$6.00 | Left-Hand Detachable Combination Hinge | 161074 | 1 | Fiberglass reinforced plastic | PDF |
| 151077 |  | \$6.00 | Right-Hand Detachable Combination Hinge | | | | PDF |
| 151078 |  | \$6.00 | Non-Detachable Combination Hinge | | | | PDF |
| 151079 |  | \$11.50 | Non-Detachable Combination Hinge With Locking Lever | | | | PDF |
| 151080 |  | \$17.00 | Left-Hand Detachable Combination Hinge | | | Die-cast aluminum | PDF |
| 151081 |  | \$17.00 | Right-Hand Detachable Combination Hinge | | | | PDF |
| 151082 |  | \$17.00 | Non-Detachable Combination Hinge | | | | PDF |
| *T-Slot Nut also required | | | | | | | |

FATH® T-Slotted Rail Accessories

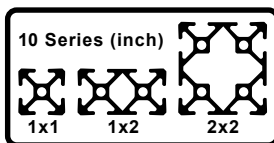
Panel and Door Elements













- Recommended ADC Fastener based on part feature and slot depth
- Material: varies by part



10 Series Panel and Door Elements

Fits  Slot Size 6



| Part Number | Part Image | Price | Description | Recommended Screw Fastener *T-Slot Attachment 2 (ADC Part Number) | Pack Quantity | Material | Drawing Link |
|------------------------|---|----------|--|--|---------------|-------------------------------|---------------------|
| 151083 |  | \$4.25 | Bridge Handle | 162995 | 1 | Fiberglass reinforced plastic | PDF |
| 151084 |  | \$6.50 | Cover Cap 3 | n/a | | | PDF |
| 151085 |  | \$4.50 | Comfort Handle | 161087 | | | PDF |
| 151086 |  | \$4.00 | Cover Cap 3 | n/a | | | PDF |
| 151149 |  | \$6.50 | Comfort Handle | 151050 | | | PDF |
| 162910 |  | \$3.00 | Panel Holder | 151040 | | Anodized aluminum | PDF |
| 162915 |  | \$5.25 | | | | | PDF |
| 162920 |  | \$5.25 | Panel Mount Block | Fasteners included | | Lacquered aluminum | PDF |
| 162921 |  | \$5.25 | | | | Powder-coated aluminum black | PDF |
| 162963 |  | \$8.50 | Magnetic Catch | 161047 | | Nylon/steel | PDF |
| 162977 |  | \$8.50 | Hanger | 151040 | | Die-cast zinc | PDF |
| 151087 |  | \$110.00 | Cover And Reduction Profile, 2000mm long per piece | n/a | 25 | Polypropylene | PDF |

*T-Slot Nut also required

FATH® T-Slotted Rail Accessories

Panel and Door Elements - Continued

| Panel and Door Elements Installation | |
|--------------------------------------|--|
| Bridge Handle and Cover Cap | |
| Comfort Handle and Cover Cap | |
| Cover and Reduction Profile | |
| Panel Holder | |
| Hanger | |
| Magnetic Catch | |
| Panel Mount Block | |

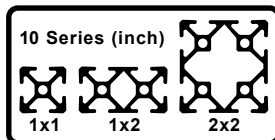
FATH® T-Slotted Rail Accessories




Slides and Rollers



10 Series Slides and Rollers

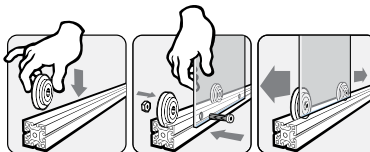
Fits  Slot Size 6



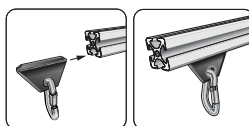
| Part Number | Part Image | Price | Description | Fits | Pack Quantity | Material | Drawing Link |
|-------------------------------|---|--------|-------------|--------------------------------------|---------------|--------------------|----------------------------|
| <u>151090</u> |  | \$7.25 | Roller | All 10 Series | 1 | Glass-filled nylon | <u>PDF</u> |
| <u>151088</u> |  | \$4.50 | Slider | | | Glass-filled nylon | <u>PDF</u> |
| <u>151089</u> |  | \$4.50 | Snap Hook | Slider <u>151088</u> | | Zinc plated steel | <u>PDF</u> |

Slides and Rollers Installation

Roller



Slider and Snap Hook



FATH® T-Slotted Rail Accessories

Monitor Mounts



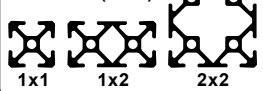
10 Series Monitor Mounts

- Fits monitors with VESA mounting standard
- Durable steel construction
- Powder coat finish
- Mounting hardware included for several mounting locations

Fits

Slot Size
6

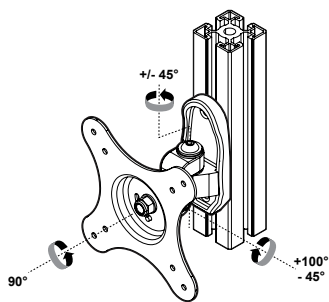
10 Series (inch)



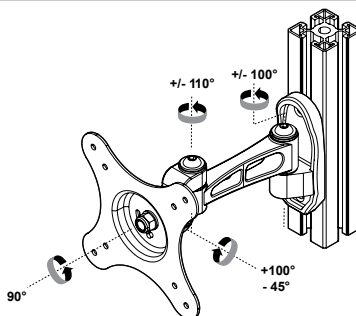
VESA Mounting Standard
 100 X 100mm
 75 X 75mm
 4X M4-0.7 Threaded Holes

| Part Number | Part Image | Price | Description | Load Rating kg [lb] | Pack Quantity | Installation Instructions Link | Drawing Link |
|-------------------------------|------------|---------|----------------------|------------------------|---------------|-----------------------------------|---------------------|
| <u>162893</u> | | \$42.00 | Swivel Monitor Mount | 15 [33.1] | 1 | PDF | PDF |
| <u>162894</u> | | \$50.00 | | | | PDF | PDF |
| <u>162895</u> | | \$58.00 | | | | PDF | PDF |

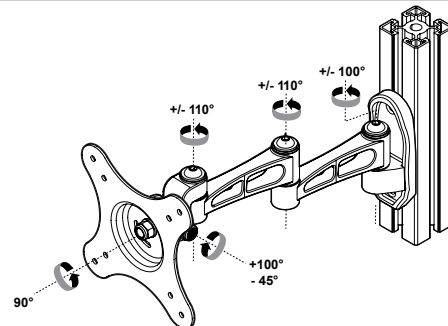
Monitor Mounts Adjustments



162893



162894



162895

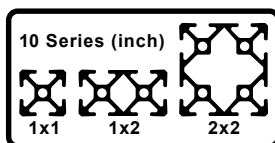
FATH® T-Slotted Rail Accessories



Wire Management



10 Series Wire Management

Fits Slot Size
6

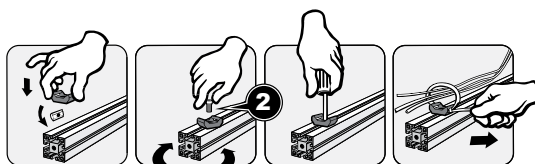


| Part Number | Part Image | Price | Description | Pack Quantity | Recommended Screw Fastener *T-Slot Attachment 2 (ADC Part Number) | Material | Drawing Link |
|-------------------------------|---|---------|-------------------------------|---------------|--|--------------|----------------------------|
| <u>151095</u> |  | \$44.00 | Clip Cable Binder With Hammer | 10 | n/a | Nylon/rubber | <u>PDF</u> |
| <u>162982</u> |  | \$7.50 | Universal Cable Binder Block | | <u>162993</u> | Nylon | <u>PDF</u> |

*T-Slot Nut also required

Wire Management Installation

Universal Cable Binder Block



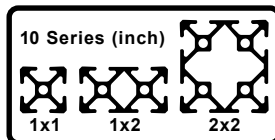
FATH® T-Slotted Rail Accessories






Miscellaneous Accessories



10 Series Miscellaneous Accessories

Fits  Slot Size 6



| Part Number | Part Image | Price | Description | Fits Profile | Recommended Screw Fastener *T-Slot Attachment (ADC Part Number) | Pack Quantity | Material | Drawing Link |
|------------------------|---|---------|--|---------------|--|---------------|--------------------|---------------------|
| 151092 |  | \$10.00 | End Cap | 1 x 1in | n/a | 10 | Glass-filled nylon | PDF |
| 151093 |  | \$14.50 | | 1 x 2in | | | | PDF |
| 151094 |  | \$19.00 | | 2 x 2in | | | | PDF |
| 162973 |  | \$3.25 | Sensor Mounting Block for 8mm diameter proximity sensor | All 10 Series | BHCS 8-32 x 3/4" (not sold by ADC) | 1 | Nylon | PDF |
| 162974 |  | \$3.25 | Sensor Mounting Block for 12mm diameter proximity sensor | | | | | PDF |

*T-Slot Nut also required

Miscellaneous Accessories Installation

Sensor Mounting Block

