Sure frame® Aluminum T-Slotted Rail

45 Series Metric 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 0.01 cm increments
- Minimum cut length: 15.24 cm
- Maximum cut length: 228.0 cm
- Cut accuracy: +/- 0.015 cm [0.15mm]
- Corrosion and UV resistant

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

45 Series (metric)

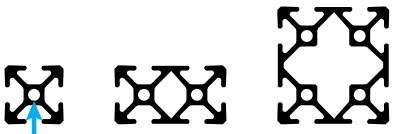
Slot Size 10 — Core Hole Ø 10.0 mm

45 Series (mm): 45x45, 45x90, 90x90

Part Number	Part Image	Price per cm	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
45-4545C		$0.24	45 x 45mm	Standard	1.480 [2.202]	0.404 [16.824]	0.404 [16.824]	PDF
45-4545CL		$0.19		Light	1.100 [1.637]	0.290 [12.064]	0.290 [12.064]	PDF
45-4590C		$0.51	45 x 90mm	Standard	3.081 [4.585]	0.866 [36.026]	3.293 [137.072]	PDF
45-4590CL		$0.38		Light	2.159 [3.213]	0.708 [29.453]	2.583 [107.494]	PDF
45-9090C		$0.85	90 x 90mm	Standard	5.518 [8.212]	5.938 [247.146]	5.938 [247.146]	PDF

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



Core Hole — 2 Places — 4 Places

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.

Sure frame® 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.

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]

"E" = Modulus of Elasticity

"F" = Force

"I" = Moment of Inertia

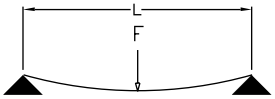
"L" = Length

"W" = Weight

***for reference only**

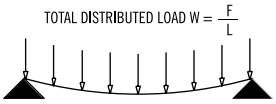
Supported Loads

CONCENTRATED LOAD AT CENTER (simply supported)



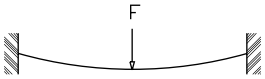
$$\text{MAX DEFLECTION} = \frac{FL^3}{48\,EI}$$

UNIFORMLY DISTRIBUTED LOAD (simply supported)



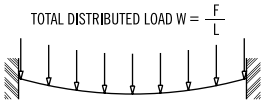
$$\text{MAX DEFLECTION} = \frac{5}{84}\,\frac{WL^4}{EI}$$

CONCENTRATED LOAD AT CENTER (between fixed supports)



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

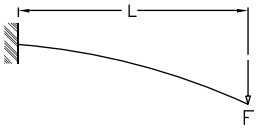
UNIFORMLY DISTRIBUTED LOAD (between fixed supports)



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

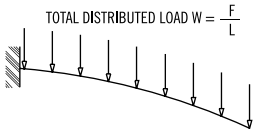
Cantilever Loads

CONCENTRATED LOAD AT CENTER (simply supported)



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

UNIFORMLY DISTRIBUTED LOAD (simply supported)

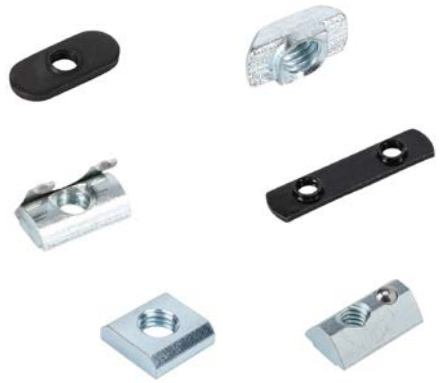


$$\text{MAX DEFLECTION} = \frac{WL^4}{8\,EI}$$

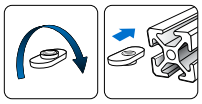
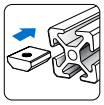
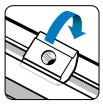
FATH® T-Slotted Rail Accessories

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

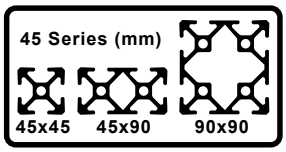


T-Slot Nuts Selection

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

45 Series T-Slot Nuts

Fits Slot Size 10



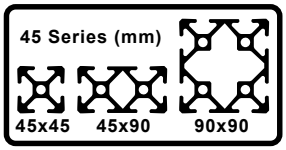
Part Number	Part Image	Price	Nut Type	Thread Size	Pack Quantity	Drawing Link
161131		$8.00	Hammer Nut	M4-0.7	10	PDF
161121		$21.00	Roll-In Nut			PDF
161132		$8.00	Hammer Nut	M5-0.8		PDF
161122		$21.00	Roll-In Nut			PDF
161133		$8.00	Hammer Nut	M6-1.0		PDF
162886		$12.50	Slide-In Nut			PDF
151239		$24.00	Roll-In Nut			PDF

FATH® T-Slotted Rail Accessories

T-Slot Nuts - Continued

45 Series T-Slot Nuts - Continued

Fits Slot Size 10



Part Number	Part Image	Price	Nut Type	Thread Size	Pack Quantity	Drawing Link
151237		$7.25	Economy T-Nut	M8-1.25	10	PDF
148803		$5.75	Double Economy T-Nut		4	PDF
151238		$9.00	Hammer Nut		10	PDF
162887		$12.50	Slide-In Nut			PDF
151240		$24.00	Roll-In Nut			PDF
162888		$17.00	Slide-In Nut	M10-1.5		PDF

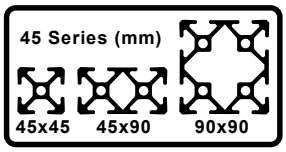
FATH® T-Slotted Rail Accessories

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

45 Series Fasteners

Fits Slot Size 10



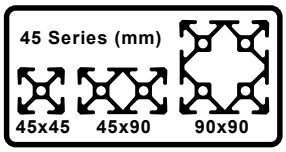
Part Number	Part Image	Price	Thread	Screw Length	Head Type	Color	Pack Quantity	Drawing Link
162994		$8.00	#8-32 UNF	3/8 in	Button head socket cap screw	Flat black	10	PDF
161073		$7.75		1/2 in	Flat head socket cap screw			PDF
162993		$7.50	#10-32 UNF	3/8 in	Button head socket cap screw			PDF
162995		$7.75		1/2 in	Socket head cap screw			PDF
161088		$2.25	M4-0.7	8mm	Socket head cap screw	Bright zinc		PDF
161089		$2.50		10mm				PDF
161056		$1.00			Button head socket cap screw			PDF
161076		$1.50		12mm	Flat head socket cap screw			PDF
161057		$1.25	M5-0.8	10mm	Button head socket cap screw			PDF
161090		$2.50			Socket head cap screw			PDF
161077		$1.75		12mm	Flat head socket cap screw			PDF
161091		$2.50			Socket head cap screw			PDF
161058		$1.75			Button head socket cap screw			PDF
161092		$2.50	M6-1.0	10mm	Socket head cap screw			PDF

FATH® T-Slotted Rail Accessories

Fasteners - Continued

45 Series Fasteners - Continued

Fits Slot Size 10



Part Number	Part Image	Price	Thread	Screw Length	Head Type	Color	Pack Quantity	Drawing Link
161078		$2.25	M6-1.0	12mm	Flat head socket cap screw	Bright zinc	10	PDF
161059		$2.00			Button head socket cap screw			PDF
161093		$2.75			Socket head cap screw			PDF
161079		$2.50		14mm	Flat head socket cap screw			PDF
161060		$2.25			Button head socket cap screw			PDF
161094		$2.75			Socket head cap screw			PDF
161080		$2.50		16mm	Flat head socket cap screw			PDF
161061		$2.50			Button head socket cap screw			PDF
161095		$2.75			Socket head cap screw			PDF
161062		$2.75		18mm	Button head socket cap screw			PDF
161096		$3.00			Socket head cap screw			PDF
161081		$2.50		20mm	Flat head socket cap screw			PDF
161063		$2.75			Button head socket cap screw			PDF
161097		$3.25			Socket head cap screw			PDF
161064		$3.25		25mm	Button head socket cap screw			PDF

FATH® T-Slotted Rail Accessories

Fasteners - Continued

45 Series Fasteners - Continued

Fits Slot Size 10

45 Series (mm): 45x45, 45x90, 90x90

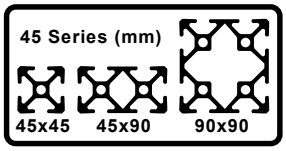
Part Number	Part Image	Price	Thread	Screw Length	Head Type	Color	Pack Quantity	Drawing Link
161082		$4.75	M8-1.25	12mm	Flat head socket cap screw	Bright zinc	10	PDF
161065		$4.25			Button head socket cap screw			PDF
161098		$4.75			Socket head cap screw			PDF
161066		$4.50		14mm	Button head socket cap screw			PDF
161083		$5.00			Flat head socket cap screw			PDF
161099		$5.00			Socket head cap screw			PDF
161084		$5.50		16mm	Flat head socket cap screw			PDF
161100		$5.50			Socket head cap screw			PDF
161067		$4.50			Button head socket cap screw			PDF
151183		$4.75				Gloss black		PDF
151184		$5.50			Flanged button head socket cap screw			PDF
161085		$5.50		18mm	Flat head socket cap screw	Bright zinc		PDF
161068		$5.00			Button head socket cap screw			PDF
161101		$5.50			Socket head cap screw			PDF
151241		$4.50		20mm	Button head socket cap screw			PDF

FATH® T-Slotted Rail Accessories

Fasteners - Continued

45 Series Fasteners - Continued

Fits Slot Size 10



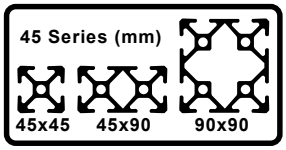
Part Number	Part Image	Price	Thread	Screw Length	Head Type	Color	Pack Quantity	Drawing Link
161102		$5.75	M8-1.25	20mm	Socket head cap screw	Bright zinc	10	PDF
161086		$7.00		25mm	Flat head socket cap screw			PDF
161069		$5.25			Button head socket cap screw			PDF
161070		$8.00		40mm	Button head socket cap screw			PDF
161071		$15.00	M12-1.75	25mm				PDF
161072		$23.00		40mm				PDF
118590		$2.25	M8-1.25	25mm	Hammer head screw and flange nut		1	PDF

FATH® T-Slotted Rail Accessories

Fasteners - Continued

45 Series Self Forming / Tapping Screws

Fits

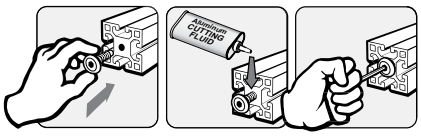


Works with Aluminum with hole diameter 0.394" - 0.413" [10.0 - 10.5 mm]

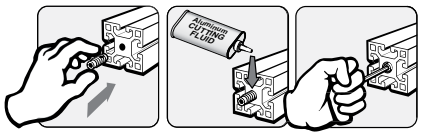
Part Number	Part Image	Price	Thread	Screw Length	Description	Color	Pack Quantity	Drawing Link
161110		$10.50	S12	30mm	Self-Tapping Screw Button head socket cap T-50 Torx	Bright zinc	10	PDF
161111		$28.00		40mm	Self-Tapping Screw Button head socket cap			PDF
161042		$27.00	M8-1.25 Internal thread	n/a	Reducer Bushing			PDF

Self Forming / Tapping Screw Installation

Self Forming / Tapping Screw



Reducer Bushing



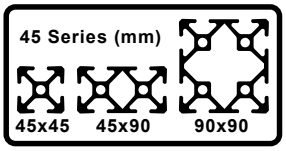
FATH® T-Slotted Rail Accessories

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

45 Series Connecting Components

Fits Slot Size 10

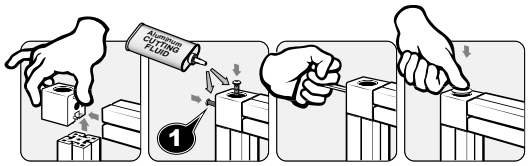
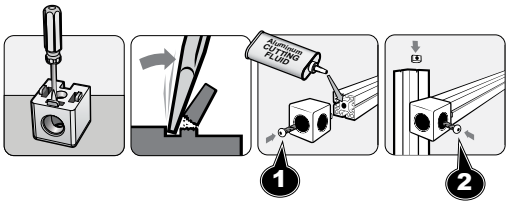
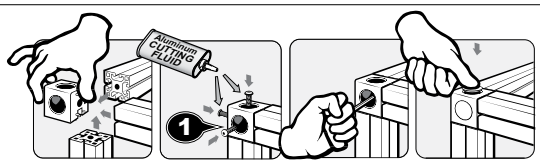
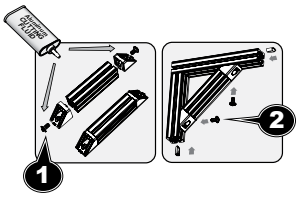
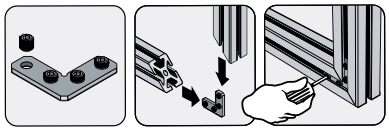


Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment 1	*T-Slot Attachment 2	Pack Quantity	Drawing Link
148960		$11.00	2d Cube Connector	45 x 45mm	Die-cast aluminum	161110	161068	1	PDF
148961		$11.00	3d Cube Connector				n/a		PDF
151246		$10.00	Angle Connector				151241		PDF
151247		$16.50		45 x 90mm					PDF
**151242		$96.00	T-Matic Connector	All 45 Light Series (45-xxxxCL)	Zinc plated steel	n/a	n/a	10	PDF
**151243		$59.00	Automatic Connector		Steel				PDF
**151244		Retired	Automatic Butt Connector					1	PDF
151245		$11.50	Milling Connector	All 45 Series	Zinc plated steel				PDF
151248		$18.00	Connecting Strip						PDF
162892		$13.00	Direct Connector		Steel		Fasteners included		PDF
162962		$12.50	Miter Connector				M10-1.25 x 8mm set screw (4) included		PDF

*T-Slot Nut also required.
** Does not fit 45 standard series (45-xxxxC)

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	
	
Miter Connector	
	

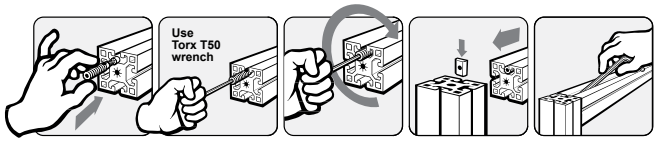
FATH® T-Slotted Rail Accessories

Connecting Components - Continued

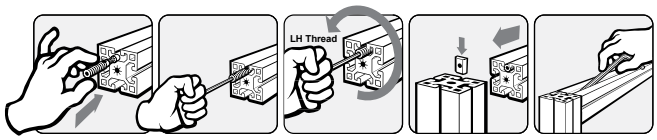
Connecting Components Installation

T-Slot Installation

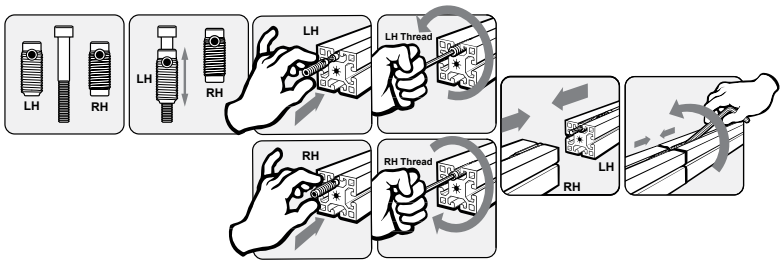
T-matic Connector



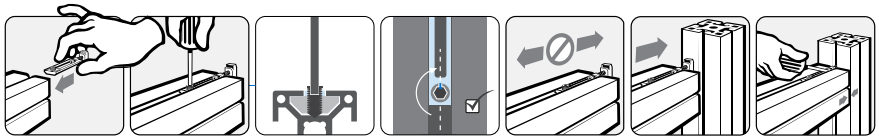
Automatic Connector



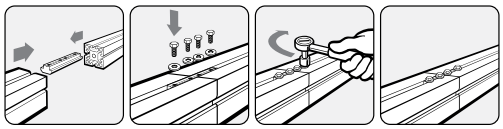
Automatic Butt Connector



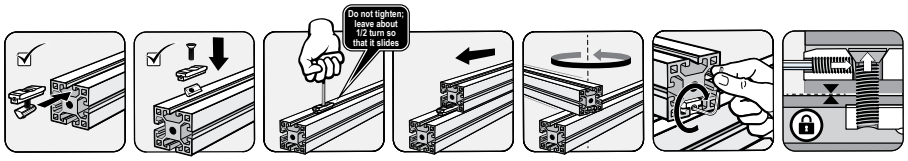
Milling Connector



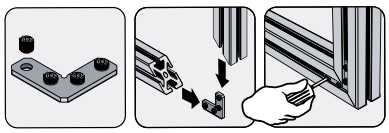
Connecting Strip



Direct Connector



Miter Connector



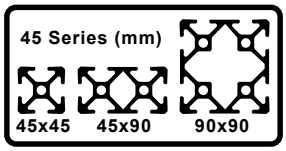
FATH® T-Slotted Rail Accessories

Joining Plates

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

45 Series Joining Plates

Fits Slot Size 10



Part Number	Part Image	Price	Description	Recommended Screw Fastener - T-Slot Hole Attachment (ADC Part Number)	Pack Quantity	Drawing Link
148851		$8.25	Straight Flat Plate	151183 or 151184	1	PDF
162987		$10.50				PDF
148857		$12.00				PDF
148854		$10.00	Square Flat Plate			PDF
148859		$18.00	Rectangular Flat Plate			PDF
151249		$19.00	Flat Plate			PDF
151250		$20.50	T-Shaped Flat Plate			PDF
148863		$29.50				PDF

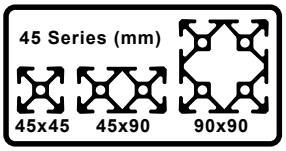
FATH® T-Slotted Rail Accessories

Brackets

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

45 Series Brackets

Fits Slot Size 10



Part Number	Part Image	Price	Description	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment 1	Recommended Screw Fastener (ADC Part Number) *T-Slot Attachment 2	Pack Quantity	Material	Drawing Link
151251		$4.00	Angle Bracket	n/a	151241	1	Die-cast aluminum	PDF
151252		$7.75						PDF
148899		$5.25	Inside Corner Bracket		151183 or 151184		Anodized aluminum	PDF
148902		$7.50	Wide Inside Corner Bracket					PDF
148904		$7.50	Tall Inside Corner Bracket					PDF
148907		$11.50	Inside Corner Bracket					PDF
148912		$5.25	Gusseted Inside Corner Bracket					PDF
148914		$12.00	Tall Gusseted Inside Corner Bracket					PDF
148913		$11.00	Wide Gusseted Inside Corner Bracket					PDF
148979		$21.50	Gusseted Inside Corner Bracket					PDF

***T-Slot Nut also required.**

FATH® T-Slotted Rail Accessories

Brackets - Continued

45 Series Brackets - Continued

Fits Slot Size 10

45 Series (mm): 45x45, 45x90, 90x90

Part Number	Part Image	Price	Description	Recommended Screw Fastener (ADC Part Number)		Pack Quantity	Material	Drawing Link
				Core Hole Attachment ❶	*T-Slot Attachment ❷			
151253		$29.50	Pivot Joint	161042 and 161067 Install 161042 first then 161067	161067	1	Die-cast zinc	PDF
151254		$39.50	Pivot Joint With Locking Handle					PDF
163016		$35.00	1-Slot Pivot Joint	161069 and 161042 install 161042 first then 161069	161068		Die-cast zinc/die-cast aluminum/ nylon	PDF
163019		$53.00	2-Slot Pivot Joint					PDF

*T-Slot Nut also required.

45 Series Reducer Bushing

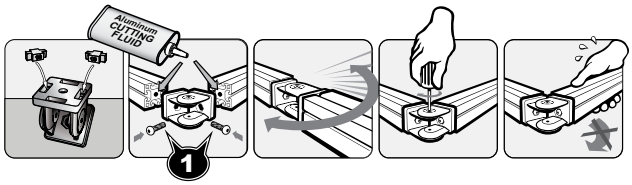
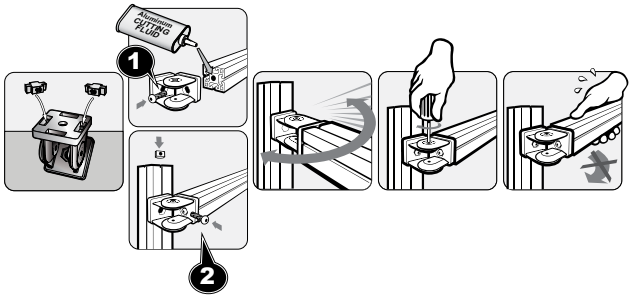
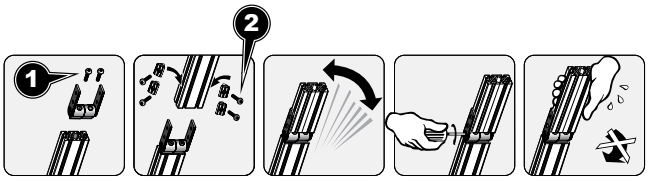
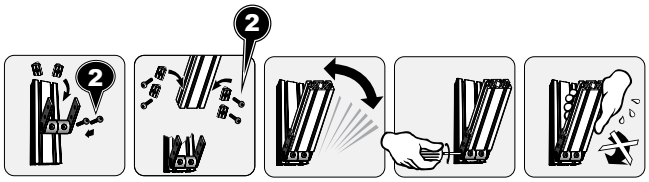
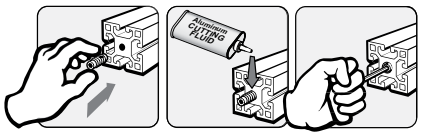
Fits 45 Series Core Hole

45 Series (mm): 45x45, 45x90, 90x90

Part Number	Part Image	Price	Thread X Length	Description	Color	Pack Quantity	Drawing Link
161042		$27.00	M8-1.25 Internal thread	Reducer Bushing	Bright zinc	10	PDF

FATH® T-Slotted Rail Accessories

Brackets - Continued

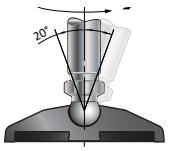
Brackets Installation	
Core Hole Installation	***T-Slot Installation***
Pivot Joint*	
	
Pivot Joint	
	
Reducer Bushing	
	

***For 45 series installation, the 10mm embossed key should face toward the aluminum extrusion upon assembly.**

FATH® T-Slotted Rail Accessories

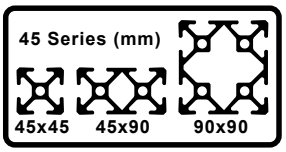
Bases

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



45 Series Bases

Fits Slot Size 10



Part Number	Part Image	Price	Diameter	Description	Fits	Load Rating kg [lb]	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment 1	*T-Slot Attachment 2	Pack Quantity	Material	Drawing Link
151259		$20.50	n/a	M12-1.75 Transport/ Base Plate	45 x 90mm	n/a	161111 (2) included with kit	n/a	1	Die-cast zinc	PDF
151260		$25.00			90 x 90mm		161111 (4) included with kit				PDF
162951		$20.00		M16-2.0 Transport/ Base Plate	45 x 90mm		161111 (2) included with kit				PDF
162952		$20.00		M20-2.5 Transport/ Base Plate							PDF
162953		$25.00		M16-2.0 Transport/ Base Plate	90 x 90mm		161111 (4) included with kit				PDF
162954		$25.00		M20-2.5 Transport/ Base Plate							PDF
151231		$4.50		M12-1.75 x 66mm Swivel Foot Threaded Rod with 15mm ball	Transport/Base Plate 151259 or 151260	770 [1698]**	n/a			Zinc plated steel	PDF
162938		$6.50		M16-2.0 x 100mm Swivel Foot Threaded Rod with 15mm ball	Transport/Base Plate 162951 or 162953	1450 [3197]**					PDF
162939		$11.00		M20-2.5 x 150mm Swivel Foot Threaded Rod with 15mm ball	Transport/Base Plate 162952 or 162954	2430 [5357]**					PDF
151068		$4.00	1.57 in [39.0 mm]	Swivel Base With Anti-Slip Plate	Any 15mm ball Threaded Rod	900 [1984]				Nylon	PDF
151071		$9.50				3000 [6614]				Die-cast zinc	PDF

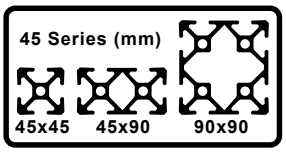
***T-Slot Nut also required.**
****Based on installation with Transport / Base Plate**
Load rating of a swivel foot assembly is based on the part with the lowest load rating, typically the threaded rod.
Example:
Threaded rod load rating = 210kg [463lb]
Swivel base load rating = 3000kg [6614lb]
Swivel foot assembly load rating = 210kg [463lb]

FATH® T-Slotted Rail Accessories

Bases - Continued

45 Series Bases - continued

Fits Slot Size 10



Part Number	Part Image	Price	Diameter	Description	Fits	Load Rating kg [lb]	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment 1	Recommended Screw Fastener (ADC Part Number) *T-Slot Attachment 2	Pack Quantity	Material	Drawing Link
151072		$17.00	3.11 in [79.0 mm]	Swivel Base With Anti-Slip Plate	Any 15mm ball Threaded Rod	3000 [6614]	n/a	n/a	1	Die-cast zinc	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
151257		$24.00	3.90 in [99.0 mm]			3500 [7716]				Die-cast zinc	PDF
151258		$24.00									PDF
162933		$12.50	See 2D drawing	Extended Swivel Base	Any 15mm ball Threaded Rod	1000 [2204]				Nylon	PDF
162934		$27.00				3000 [6613]				Die-cast zinc	PDF
162959		$12.50	n/a	Floor Bracket	All 45 Series	n/a		161068		Anodized aluminum	PDF

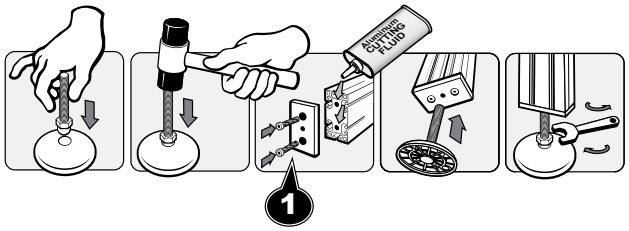
***T-Slot Nut also required.**
****Based on installation with Transport / Base Plate**
Load rating of a swivel foot assembly is based on the part with the lowest load rating, typically the threaded rod.
Example:
Threaded rod load rating = 210kg [463lb]
Swivel base load rating = 3000kg [6614lb]
Swivel foot assembly load rating = 210kg [463lb]

FATH® T-Slotted Rail Accessories

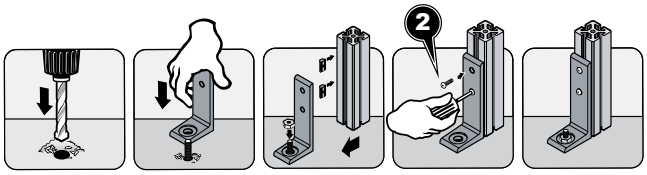
Bases - Continued

Bases Installation

Swivel Foot



Floor Bracket



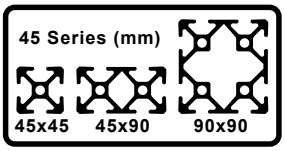
FATH® T-Slotted Rail Accessories

Casters

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

45 Series Casters

Fits Slot Size 10



Part Number	Part Image	Price	Description	Requires	Load Rating kg [lb]	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment ❶	*T-Slot Attachment ❷	Pack Quantity	Material	Drawing Link
151134		$47.00	Swivel Caster	Requires Swivel Caster Adapter Plate 151261)	122 [269]	161111	n/a	1	Thermoplastic polyurethane/ nylon/steel	PDF
151135		$40.50	Fixed Caster	Requires Fixed Caster Adapter Plate 161041)		161110				PDF
151261		$4.50	❸ Swivel Caster Adapter Plate	Requires Swivel Caster 151134)	n/a	n/a			Steel	PDF
161041		$3.25	❸ Fixed Caster Adapter Plate	Requires Fixed Caster 151135					Die-cast zinc	PDF
151137		$62.00	Swivel Caster	n/a	122 [269]		161066		Thermoplastic polyurethane/ nylon/steel	PDF
151138		$49.00	Fixed Caster							PDF
163010		$40.00	Leveling Caster	Transport / Base Plate with M12-1.75 threaded hole	250 [551]		n/a		Die-cast aluminum/ steel/nylon/ rubber	PDF
163011		$52.00			500 [1102]					PDF
163012		$41.00		n/a	250 [551]		161061			PDF
163013		$56.00			500 [1102]					PDF

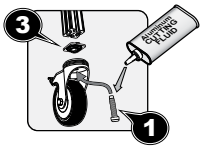
*T-Slot Nut also required

FATH® T-Slotted Rail Accessories

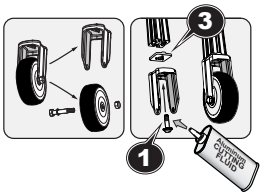
Casters - Continued

Caster Installation

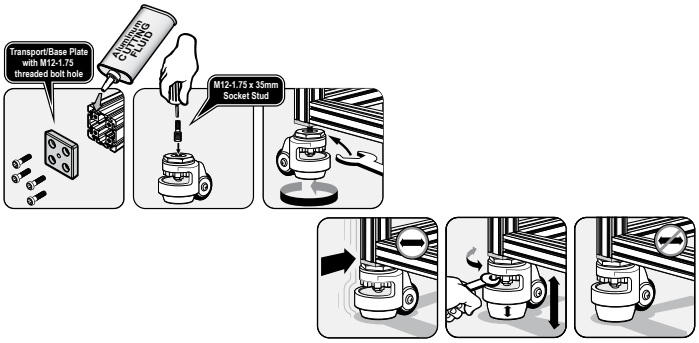
Swivel Caster



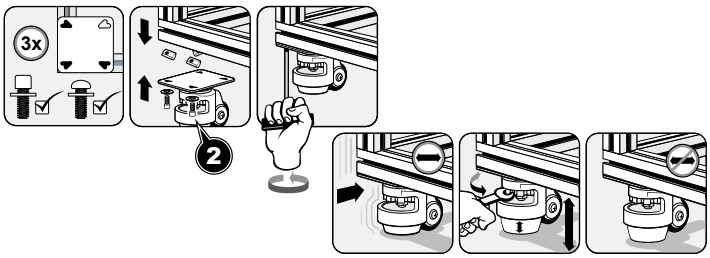
Fixed Caster



Leveling Caster with bolt hole thread



Leveling Caster with mounting plate



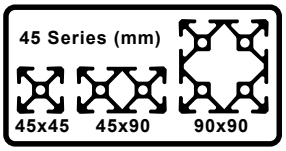
FATH® T-Slotted Rail Accessories

Hinges

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

45 Series Hinges

Fits Slot Size 10



Part Number	Part Image	Price	Description	Recommended Screw Fastener *T-Slot Attachment (ADC Part Number)	Pack Quantity	Material	Drawing Link
151262		$7.75	Left-Hand Detachable Combination Hinge	161080	1	Fiberglass reinforced plastic	PDF
151263		$7.75	Right-Hand Detachable Combination Hinge				PDF
151264		$7.75	Non-Detachable Combination Hinge				PDF
151265		$12.00	Non-Detachable Combination Hinge With Locking Lever				PDF
151266		$18.00	Left-Hand Detachable Combination Hinge			Die-cast aluminum	PDF
151267		$18.00	Right-Hand Detachable Combination Hinge				PDF
151268		$18.00	Non-Detachable Combination Hinge				PDF

*T-Slot Nut also required

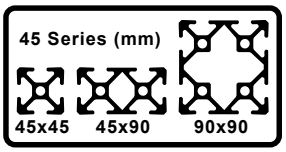
FATH® T-Slotted Rail Accessories

Panel and Door Elements

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

45 Series Panel and Door Elements

Fits Slot Size 10



Part Number	Part Image	Price	Description	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment 1	*T-Slot Attachment 2	Pack Quantity	Material	Drawing Link
151146		$6.00	Bridge Handle	n/a	161063	1	Fiberglass reinforced plastic	PDF
151147		$6.00			161067			PDF
151148		$6.25	Cover Cap 3		n/a			PDF
151149		$6.50	Comfort Handle		151241			PDF
151150		$2.25	Cover Cap 3		n/a			PDF
151151		$12.50	Comfort Handle		151241			PDF
151152		$3.00	Cover Cap 3		n/a			PDF
151153		$33.50	Machine Handle		161100			PDF
151154		$47.00	Compact Slam Latch		161061		Die-cast aluminum	PDF
151155		$58.00	Compact Sliding Door Latch					PDF
162972		$34.00	Sliding Door Guide	Fasteners included	n/a		Die-cast aluminum/nylon	PDF
151156		$37.00	Emergency Opener	n/a	161094		Fiberglass reinforced plastic	PDF
162963		$8.50	Magnetic Catch		161063		Nylon/steel	PDF

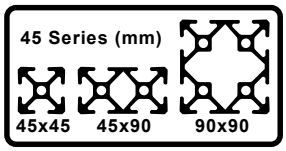
*T-Slot Nut also required

FATH® T-Slotted Rail Accessories

Panel and Door Elements - Continued

45 Series Panel and Door Elements - Continued

Fits Slot Size 10



Part Number	Part Image	Price	Description	Recommended Screw Fastener *T-Slot Attachment 2 (ADC Part Number)	Pack Quantity	Material	Drawing Link
162914		$5.75	Panel Holder	161068	1	Anodized aluminum	PDF
162919		$8.25					PDF
162926		$7.25	Panel Mount Block	Fasteners included		Lacquered aluminum	PDF
162927		$7.25				Powder-coated aluminum	PDF
162980		$3.25	Panel Uni-Block	n/a	10	Nylon	PDF
151269		$57.00	Sealing Strip		2	PVC/TPE	PDF
151272		$110.00	Cover Profile		25	Polypropylene	PDF
162981		$190.00	Cover And Reduction Profile				PDF

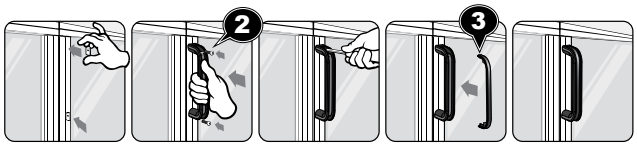
*T-Slot Nut also required

FATH® T-Slotted Rail Accessories

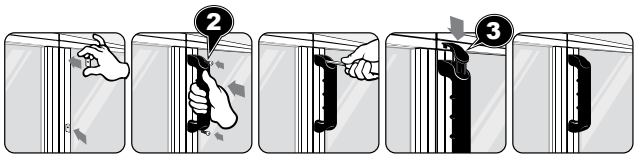
Panel and Door Elements - Continued

Panel and Door Elements Installation

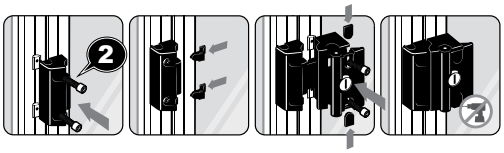
Bridge Handle and Cover Cap



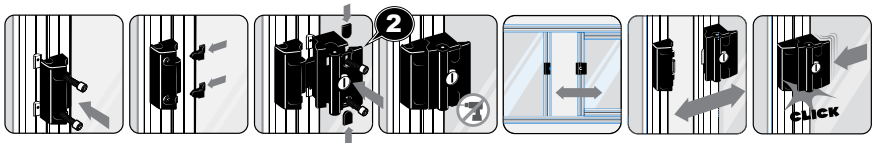
Comfort Handle and Cover Cap



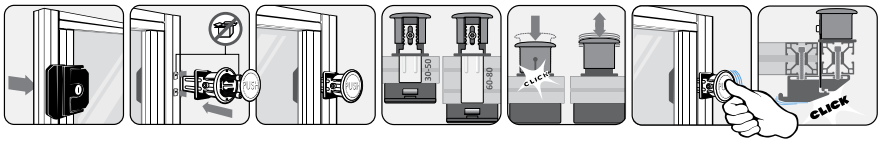
Slam Latch



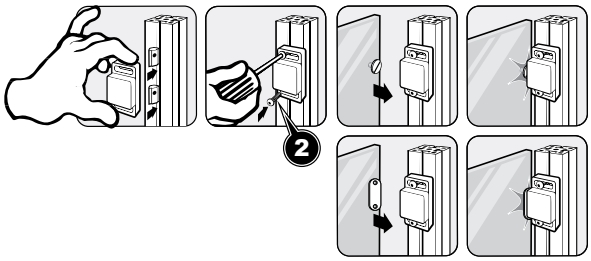
Sliding Door Latch



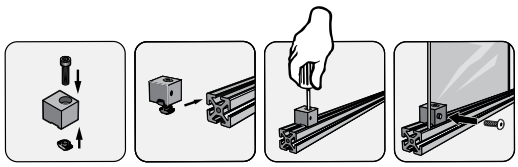
Emergency Opener



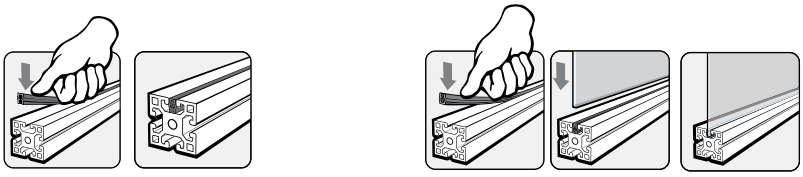
Magnetic Catch



Panel Mount Block

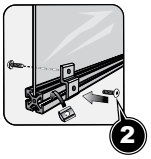
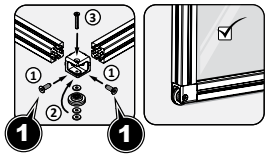


Cover and Reduction Profile



FATH® T-Slotted Rail Accessories

Panel and Door Elements - Continued

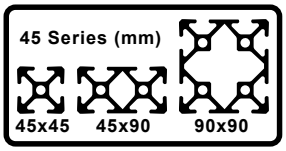
Panel and Door Elements Installation - Continued
Panel Holder

Sliding Door Guide


FATH® T-Slotted Rail Accessories

Slides and Rollers

45 Series Slides and Rollers

Fits Slot Size 10



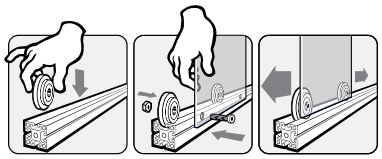
Part Number	Part Image	Price	Description	Fits	Pack Quantity	Recommended Screw Fastener T-Slot Attachment	Material	Drawing Link
151274		$9.50	Roller	All 45 Series	1	n/a	Glass-filled nylon/ steel	PDF
151273		$4.50	Slider					PDF
151089		$4.50	Snap Hook	Slider 151273			Zinc plated steel	PDF
162969		$7.75	Profile Slider Center Slot	All 45 Series			Polyoxymethylene (POM)	PDF
162970		$8.00	Profile Slider Center Ridge					PDF
163022		$16.00	Roller Element With Guide			Fasteners included	Thermoplastic polyurethane/nylon/ steel	PDF
163023		$16.50	Roller Element Without Guide					PDF

FATH® T-Slotted Rail Accessories

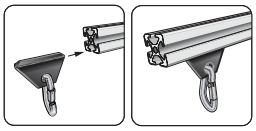
Slides and Rollers - Continued

Slides and Rollers Installation

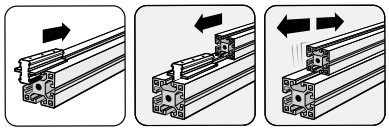
Roller



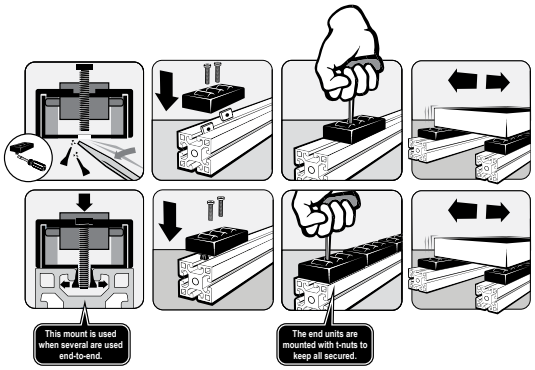
Slider and Snap Hook



Profile Slider



Roller Element



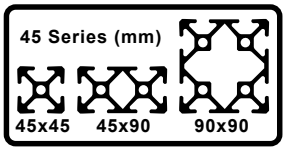
FATH® T-Slotted Rail Accessories

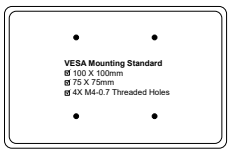
Monitor Mounts

45 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 10



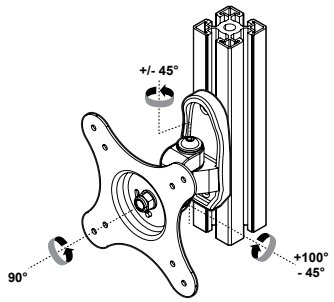


Part Number	Part Image	Price	Description	Load Rating kg [lb]	Pack Quantity	Installation Instructions Link	Drawing Link
162893		$42.00	Swivel Monitor Mount	15 [33.1]	1	PDF	PDF
162894		$50.00				PDF	PDF
162895		$58.00				PDF	PDF
162896		$92.00	Monitor Mounting Joint			PDF	PDF
162898		$93.00	Monitor Holder			PDF	PDF
162899		$325.00	4-Axis Mounting Support	10 [22.0]		PDF	PDF
162900		$375.00	5-Axis Mounting Support			PDF	PDF
162901		$600.00	4-Axis Workstation	8 [17.6]		PDF	PDF

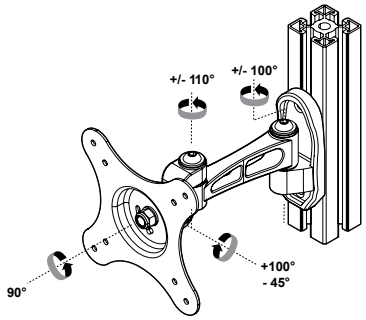
FATH® T-Slotted Rail Accessories

Monitor Mounts - Continued

Monitor Mounts Adjustments



162893



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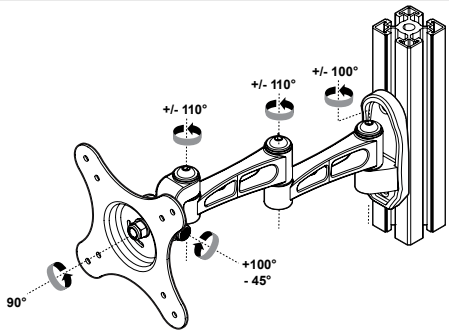
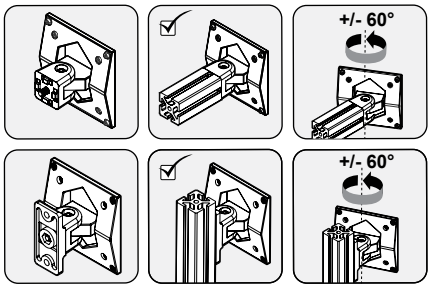
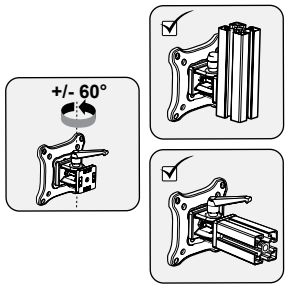


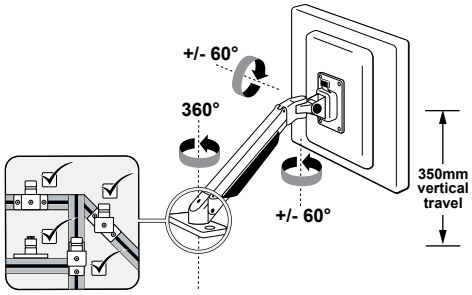
162895



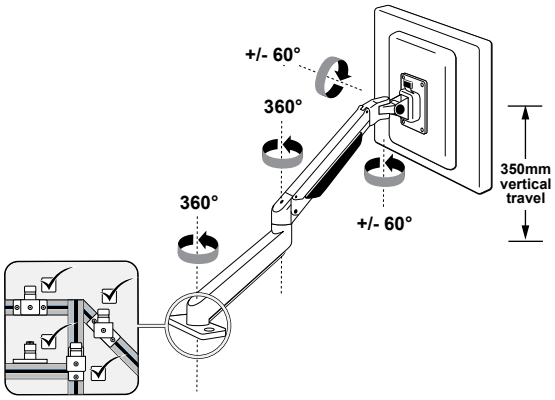
162896



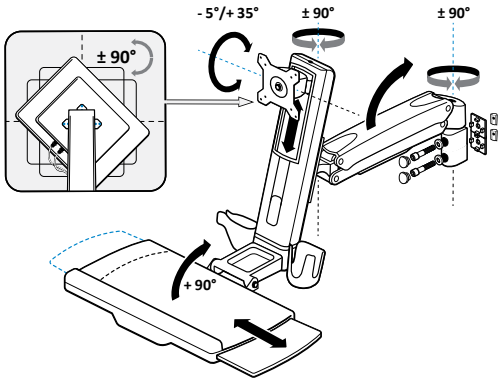
162898



162899



162900



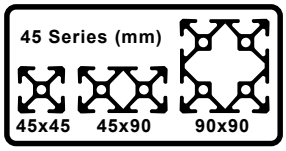
162901

FATH® T-Slotted Rail Accessories

Workstation Components

45 Series Workstation Components

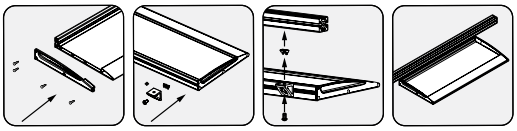
Fits Slot Size 10



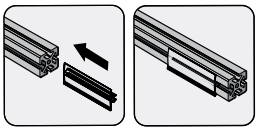
Part Number	Part Image	Price	Description	Load Rating kg [lb]	Pack Quantity	Material	Drawing Link
162902		$185.00	Keyboard Holder (requires mounting solution, designer's choice)	n/a	1	Aluminum/nylon	PDF
162966		$2.25	Label Clip		10	PVC	PDF

Workstation Components Installation

Keyboard Holder (mounting example)



Label Clip

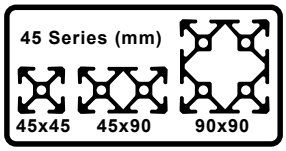


FATH® T-Slotted Rail Accessories

Wire Management

45 Series Wire Management

Fits Slot Size 10

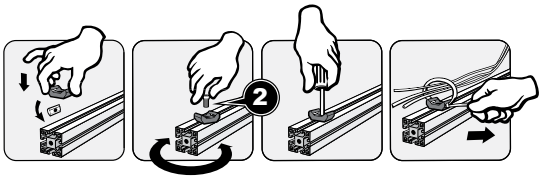


Part Number	Part Image	Price	Description	Pack Quantity	Recommended Screw Fastener *T-Slot Attachment 2 (ADC Part Number)	Material	Drawing Link
151270		$89.00	Conduit Cover 2000 mm long	2	n/a	Polypropylene	PDF
151271		$89.00					PDF
151278		$15.50	Cross Cable Binding Block	10		Nylon	PDF
151279		$59.00	Hook And Loop			Glass-filled nylon/ polypropylene	PDF
151280		$33.50	Clip Cable Binder			Nylon/rubber	PDF
151281		$28.50	Ground Connector	1	Fasteners included	Nylon/rubber	PDF
151178		$4.00	Grounding Terminal			Steel/brass	PDF
162982		$7.50	Universal Cable Binder Block	10	161058	Nylon	PDF
162984		$16.50	Cable Binder Block		n/a		PDF

*T-Slot Nut also required

Wire Management Installation

Universal Cable Binder Block

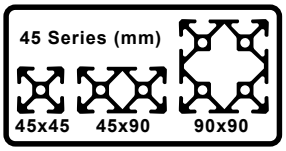


FATH® T-Slotted Rail Accessories

Miscellaneous Accessories

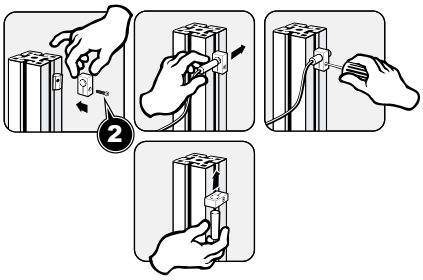
45 Series Miscellaneous Accessories

Fits Slot Size 10



Part Number	Part Image	Price	Description	Fits	Recommended Screw Fastener *T-Slot Attachment 2 (ADC Part Number)	Pack Quantity	Material	Drawing Link
151275		$16.50	End Cap	45 x 45mm	n/a	10	Glass-filled nylon	PDF
151276		$24.00		45 x 90mm				PDF
151277		$32.00		90 x 90mm				PDF
151091		$6.00	Stop Bumper	All 45 Series		1	Rubber/zinc-plated steel	PDF
151170		$9.00						PDF
162973		$3.25	Sensor Mounting Block for 8mm diameter sensor		BHCS M4-0.7 x 25mm (not sold by ADC)		Nylon	PDF
162974		$3.25	Sensor Mounting Block for 12mm diameter sensor					PDF

*T-Slot Nut also required

Miscellaneous Accessories Installation

Sensor Mounting Block