



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)								
		Core Hole Ø 10.0 mm						
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		\$0.28	45 x 45mm	Standard	1.480 [2.202]	0.404 [16.824]	0.404 [16.824]	PDF
45-4545CL		\$0.22		Light	1.100 [1.637]	0.290 [12.064]	0.290 [12.064]	PDF
45-4590C		\$0.59	45 x 90mm	Standard	3.081 [4.585]	0.866 [36.026]	3.293 [137.072]	PDF
45-4590CL		\$0.44		Light	2.159 [3.213]	0.708 [29.453]	2.583 [107.494]	PDF
45-9090C		\$0.98	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



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

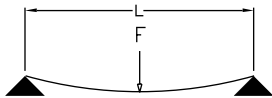
"L" = Length

"W" = Weight

**for reference only*

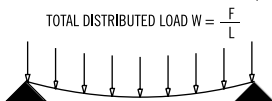
Supported Loads

CONCENTRATED LOAD AT CENTER (simply supported)



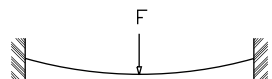
$$\text{MAX DEFLECTION} = \frac{FL^3}{48 EI}$$

UNIFORMLY DISTRIBUTED LOAD (simply supported)



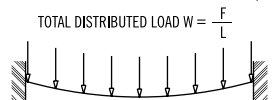
$$\text{MAX DEFLECTION} = \frac{5}{84} \frac{WL^4}{EI}$$

CONCENTRATED LOAD AT CENTER (between fixed supports)



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

UNIFORMLY DISTRIBUTED LOAD (between fixed supports)



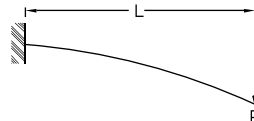
$$\text{MAX DEFLECTION} = \frac{WL^4}{384 EI}$$

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]

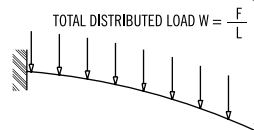
Cantilever Loads

CONCENTRATED LOAD AT CENTER (simply supported)



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

UNIFORMLY DISTRIBUTED LOAD (simply supported)


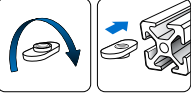










$$\text{MAX DEFLECTION} = \frac{WL^4}{8 EI}$$











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



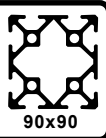




T-Slot Nuts Selection				
Part Image	Nut Type	Installation	Holds Position Without Screw	ESD Connection
	Double Economy T-Nut			No
	Economy T-Nut			
	Hammer Nut		No	Yes
	Slide-In Nut			
	Roll-In Nut with Leaf Spring		Yes	No
	Roll-In Nut with Spring Loaded Ball			



45 Series T-Slot Nuts						
<div><div><div>Fits</div><div>Slot Size</div><div>10</div></div><div><div>45 Series (mm)</div><div><div></div><div></div><div></div></div><div>45x4545x9090x90</div></div></div>						
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						
<div> <div>Fits</div> <div>Slot Size 10</div> <div> 45 Series (mm)  </div> </div>						
Part Number	Part Image	Price	Nut Type	Thread Size	Pack Quantity	Drawing Link
<u>151237</u>		\$7.25	Economy T-Nut	M8-1.25	10	<u>PDF</u>
<u>148803</u>		\$5.75	Double Economy T-Nut		4	<u>PDF</u>
<u>151238</u>		\$9.00	Hammer Nut		10	<u>PDF</u>
<u>162887</u>		\$12.50	Slide-In Nut			<u>PDF</u>
<u>151240</u>		\$24.00	Roll-In Nut			<u>PDF</u>
<u>162888</u>		\$17.00	Slide-In Nut	M10-1.5		<u>PDF</u>

FATH® T-Slotted Rail Accessories

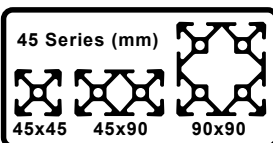
Fasteners

- 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				Button head socket cap screw
161056		\$1.00						
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		\$2.75			Socket head cap screw			PDF
161058		\$1.75			Button head socket cap screw			PDF
161092		\$2.75	M6-1.0	10mm	Socket head cap screw			PDF
















FATH® T-Slotted Rail Accessories

Fasteners - Continued

45 Series Fasteners - Continued								
Fits		Slot Size 10	<div> <div>45 Series (mm)</div> <div>    </div> <div>45x45 45x90 90x90</div> </div>					
Part Number	Part Image	Price	Thread	Screw Length	Head Type	Color	Pack Quantity	Drawing Link
<u>161078</u>		\$2.25	M6-1.0	12mm	Flat head socket cap screw	Bright zinc	10	<u>PDF</u>
<u>161059</u>		\$2.00			Button head socket cap screw			<u>PDF</u>
<u>161093</u>		\$2.75			Socket head cap screw			<u>PDF</u>
<u>161079</u>		\$2.50		14mm	Flat head socket cap screw			<u>PDF</u>
<u>161060</u>		\$2.25			Button head socket cap screw			<u>PDF</u>
<u>161094</u>		\$3.00			Socket head cap screw			<u>PDF</u>
<u>161080</u>		\$2.50		16mm	Flat head socket cap screw			<u>PDF</u>
<u>161061</u>		\$2.50			Button head socket cap screw			<u>PDF</u>
<u>161095</u>		\$3.00			Socket head cap screw			<u>PDF</u>
<u>161062</u>		\$3.00		18mm	Button head socket cap screw			<u>PDF</u>
<u>161096</u>		\$3.25			Socket head cap screw			<u>PDF</u>
<u>161081</u>		\$2.75		20mm	Flat head socket cap screw			<u>PDF</u>
<u>161063</u>		\$3.00			Button head socket cap screw			<u>PDF</u>
<u>161097</u>		\$3.25			Socket head cap screw			<u>PDF</u>
<u>161064</u>		\$3.25		25mm	Button head socket cap screw			<u>PDF</u>








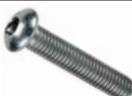



FATH® T-Slotted Rail Accessories

Fasteners - Continued

45 Series Fasteners - Continued								
<div>Fits</div>		<div>Slot Size</div> <div>10</div>	<div>45 Series (mm)</div> <div><div>45x45</div><div>45x90</div><div>90x90</div></div>					
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	Gloss black		PDF
161100		\$5.50			Socket head cap screw			PDF
161067		\$4.75			Button head socket cap screw			PDF
151183		\$4.75			Flanged button head socket cap screw			PDF
151184		\$5.50						
161085		\$5.50		18mm	Flat head socket cap screw	Bright zinc		PDF
161068		\$5.25			Button head socket cap screw			PDF
161101		\$5.50			Socket head cap screw			PDF
151241		\$4.50		20mm	Button head socket cap screw			PDF


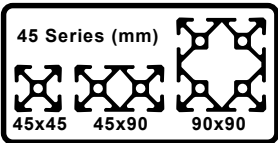



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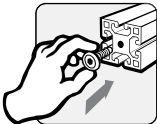
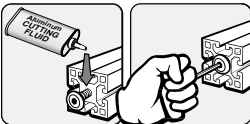
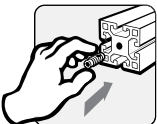
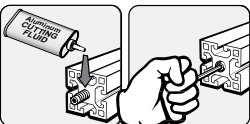
Fasteners - Continued

45 Series Fasteners - Continued								
Fits		Slot Size 	<div><div>45 Series (mm)</div><div></div><div>45x45 45x90 90x90</div></div>					
Part Number	Part Image	Price	Thread	Screw Length	Head Type	Color	Pack Quantity	Drawing Link
<u>161102</u>		\$5.75	M8-1.25	20mm	Socket head cap screw	Bright zinc	10	<u>PDF</u>
<u>161086</u>		\$7.00		25mm	Flat head socket cap screw			<u>PDF</u>
<u>161069</u>		\$5.25			Button head socket cap screw			<u>PDF</u>
<u>161070</u>		\$8.00		40mm				<u>PDF</u>
<u>161071</u>		\$15.50	M12-1.75	25mm	Button head socket cap screw		<u>PDF</u>	
<u>161072</u>		\$23.00		40mm			<u>PDF</u>	
<u>118590</u>		\$2.25	M8-1.25	25mm	Hammer head screw and flange nut			1

FATH® T-Slotted Rail Accessories

Fasteners - Continued

45 Series Self Forming / Tapping Screws								
Fits  Core Hole		 45 Series (mm) 45x45 45x90 90x90			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
<u>161110</u>		\$10.50	S12	30mm	Self-Tapping Screw Button head socket cap T-50 Torx	Bright zinc	10	<u>PDF</u>
<u>161111</u>		\$28.00		40mm	Self-Tapping Screw Button head socket cap			<u>PDF</u>
<u>161042</u>		\$27.00	M8-1.25 Internal thread	n/a	Reducer Bushing			<u>PDF</u>

Self Forming / Tapping Screw Installation	
Self Forming / Tapping Screw <div>   </div>	
Reducer Bushing <div>   </div>	

FATH® T-Slotted Rail Accessories

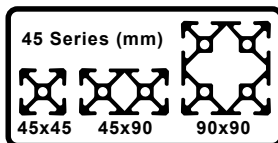
Connecting Components












- 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



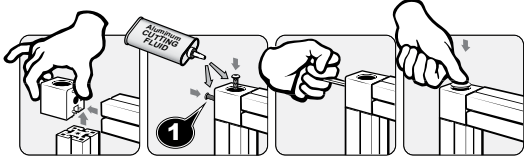
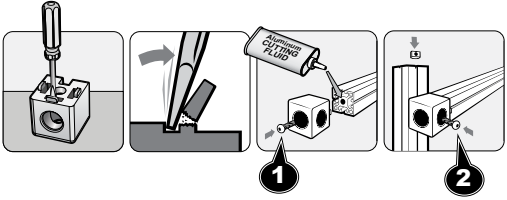
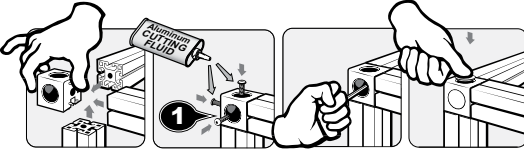
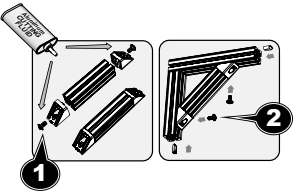
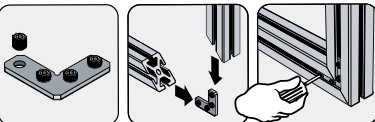
Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number)		Pack Quantity	Drawing Link
						Core Hole Attachment 1	*T-Slot Attachment 2		
148960		\$11.00	2d Cube Connector	45 x 45mm	Die-cast aluminum	Fasteners Included (161110)	161068	1	PDF
148961		\$11.50	3d Cube Connector				n/a		PDF
151246		\$10.50	Angle Connector				45 x 90mm		Fasteners Included (151241 and 151240)
151247		\$16.50		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					PDF	
151245		\$11.50	Milling Connector	All 45 Series	Zinc plated steel	n/a	n/a	1	PDF
151248		\$18.00	Connecting Strip						PDF
162892		\$13.00	Direct Connector						Fasteners included
162962		\$12.50	Miter Connector		Steel	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	<div>45 Series (mm)</div> <div><div></div><div></div><div></div></div> <div>45x45 45x90 90x90</div>			
Part Number	Part Image	Price	Description	Recommended Screw Fastener - T-Slot Hole Attachment (ADC Part Number)	Pack Quantity	Drawing Link
<u>148851</u>		\$8.25	Straight Flat Plate	151183 or 151184	1	<u>PDF</u>
<u>162987</u>		\$10.50				<u>PDF</u>
<u>148857</u>		\$12.00				<u>PDF</u>
<u>148854</u>		\$10.00	Square Flat Plate			<u>PDF</u>
<u>148859</u>		\$18.00	Rectangular Flat Plate			<u>PDF</u>
<u>151249</u>		\$19.00	Flat Plate			<u>PDF</u>
<u>151250</u>		\$20.50	T-Shaped Flat Plate			<u>PDF</u>
<u>148863</u>		\$29.50				<u>PDF</u>

FATH® T-Slotted Rail Accessories

Brackets



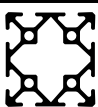




- Connects two T-slot rails together at a 90° angle
- Recommended ADC Fastener based on part feature and slot depth
- Material: varies by part








45 Series Brackets									
Fits		Slot Size 10	<div>45 Series (mm)</div> <div>45x45 45x90 90x90</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				
151251		\$4.00	Angle Bracket	n/a	151241	1	Die-cast aluminum	PDF	
151251-10		\$37.00				10		PDF	
151252		\$7.75				PDF			
148899		\$5.25	Inside Corner Bracket			151183 or 151184	1	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

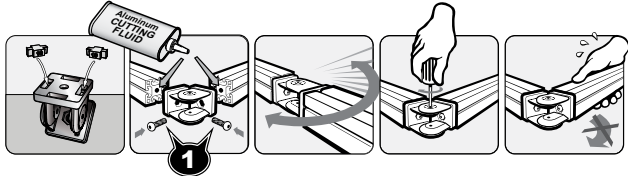
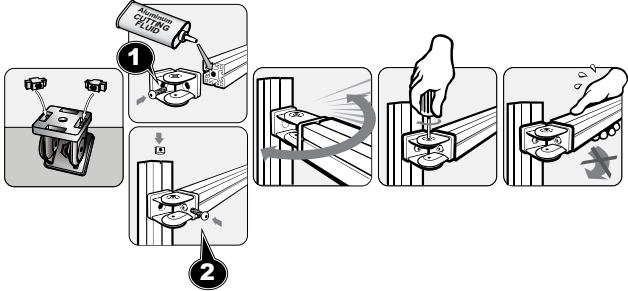
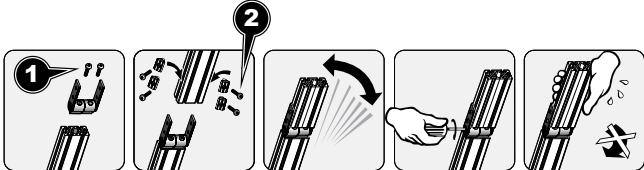
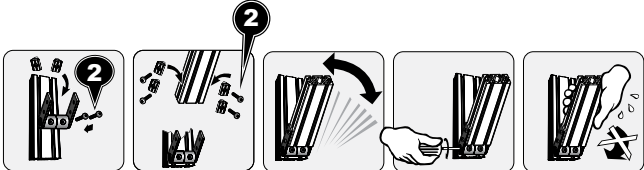
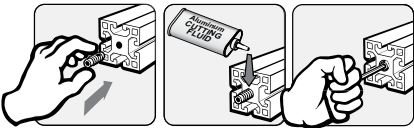
Brackets - Continued

45 Series Brackets - Continued								
Fits		Slot Size 10	<div>45 Series (mm)</div> <div><div></div><div></div><div></div></div> <div>45x45 45x90 90x90</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			
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 	<div> <div>45 Series (mm)</div> <div>    </div> <div>45x45 45x90 90x90</div> </div>				
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

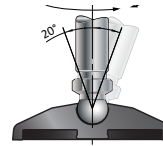
Brackets Installation	
Core Hole Installation	T-Slot Installation
Pivot Joint*	
	
Pivot Joint	
	
Reducer Bushing	
	

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

FATH® T-Slotted Rail Accessories

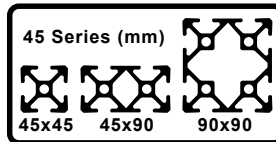
Bases












- 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)		Pack Quantity	Material	Drawing Link		
							Core Hole Attachment 1	*T-Slot Attachment 2					
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	PDF		
162938		\$6.50		M16-2.0 x 100mm Swivel Foot Threaded Rod with 15mm ball	Transport/Base Plate 162951 or 162953		1450 [3197]**					Zinc plated steel	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]

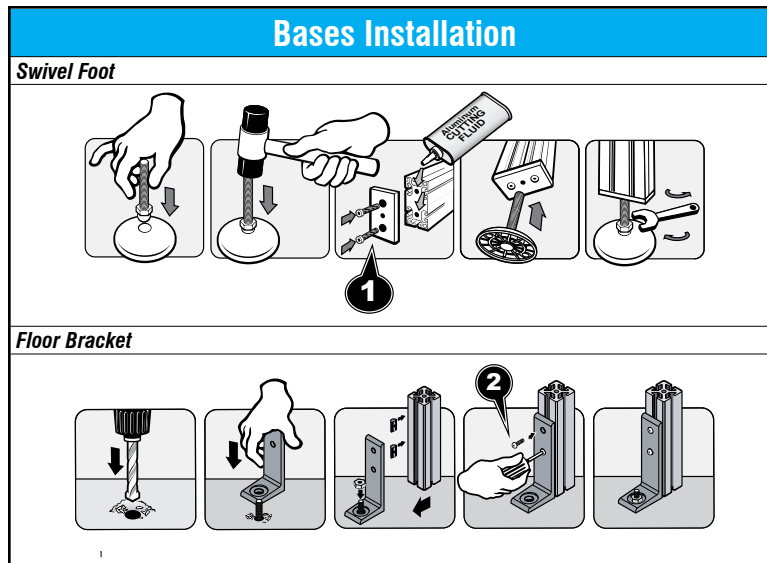
FATH® T-Slotted Rail Accessories

Bases - Continued

45 Series Bases - continued																	
		Fits		Slot Size 10		<div>45 Series (mm)</div> <div><div>45x45</div><div>45x90</div><div>90x90</div></div>											
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									
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						
<div>*T-Slot Nut also required.</div> <div>**Based on installation with Transport / Base Plate</div> <div>Load rating of a swivel foot assembly is based on the part with the lowest load rating, typically the threaded rod.</div> <div>Example:</div> <div>Threaded rod load rating = 210kg [463lb]</div> <div>Swivel base load rating = 3000kg [6614lb]</div> <div>Swivel foot assembly load rating = 210kg [463lb]</div>																	

FATH® T-Slotted Rail Accessories











Bases - Continued



FATH® T-Slotted Rail Accessories

Casters

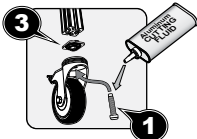
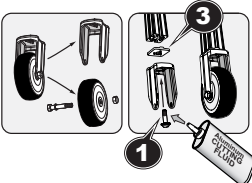
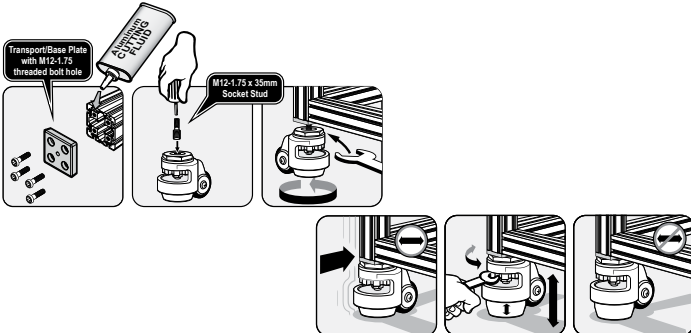
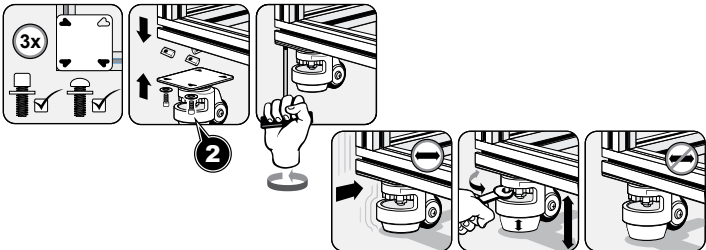
- Recommended ADC Fastener based on part feature and core hole
- Material: varies by part

45 Series Casters												
Fits		Slot Size 10	<div>45 Series (mm)</div> <div><div></div><div></div><div></div></div> <div>45x45 45x90 90x90</div>									
Part Number	Part Image	Price	Description	Requires	Load Rating kg [lb]	Recommended Screw Fastener (ADC Part Number)		Pack Quantity	Material	Drawing Link		
						Core Hole Attachment 1	*T-Slot Attachment 2					
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	3 Swivel Caster Adapter Plate	Requires Swivel Caster 151134)	n/a	n/a			Steel	PDF		
161041		\$3.50	3 Fixed Caster Adapter Plate	Requires Fixed Caster 151135)					Die-cast zinc	PDF		
151137		\$62.00	Swivel Caster	n/a	122 [269]	n/a	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												

*T-Slot Nut also required

FATH® T-Slotted Rail Accessories

Casters - Continued



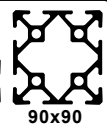







Caster Installation	
Swivel Caster	
	
Fixed Caster	
	
Leveling Caster with bolt hole thread	
	
Leveling Caster with mounting plate	
	

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	<div>45 Series (mm)</div> <div><div></div><div></div><div></div></div> <div>45x45 45x90 90x90</div>				
Part Number	Part Image	Price	Description	Recommended Screw Fastener *T-Slot Attachment (ADC Part Number)	Pack Quantity	Material	Drawing Link
<u>151262</u>		\$7.75	Left-Hand Detachable Combination Hinge	<u>161080</u>	1	Fiberglass reinforced plastic	<u>PDF</u>
<u>151263</u>		\$7.75	Right-Hand Detachable Combination Hinge				<u>PDF</u>
<u>151264</u>		\$7.75	Non-Detachable Combination Hinge				<u>PDF</u>
<u>151265</u>		\$12.00	Non-Detachable Combination Hinge With Locking Lever				<u>PDF</u>
<u>151266</u>		\$18.00	Left-Hand Detachable Combination Hinge			Die-cast aluminum	<u>PDF</u>
<u>151267</u>		\$18.00	Right-Hand Detachable Combination Hinge				<u>PDF</u>
<u>151268</u>		\$18.00	Non-Detachable Combination Hinge				<u>PDF</u>
*T-Slot Nut also required							

FATH® T-Slotted Rail Accessories

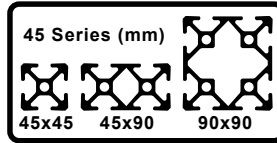
Panel and Door Elements














- 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)		Pack Quantity	Material	Drawing Link
				Core Hole Attachment 1	*T-Slot Attachment 2			
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	1	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	<div>45 Series (mm)</div> <div><div>45x45</div><div>45x90</div><div>90x90</div></div>				
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		\$60.00	Sealing Strip		2	PVC/TPE	PDF
151272		\$115.00	Cover Profile		25	Polypropylene	PDF
162981		\$190.00	Cover And Reduction Profile				PDF
*T-Slot Nut also required							

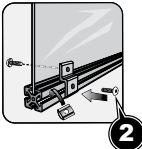
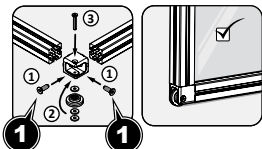
FATH® T-Slotted Rail Accessories

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

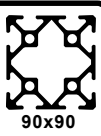
Slot Size

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45 Series (mm)

45x45

45x90



45x45

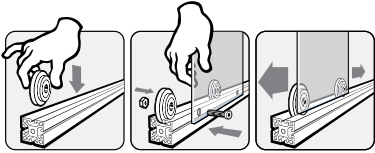
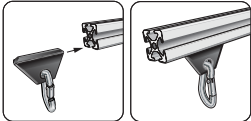
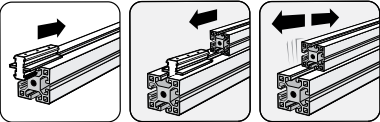
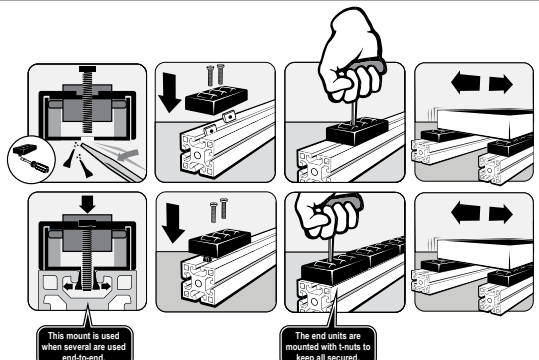
45x90

90x90

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

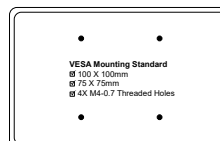
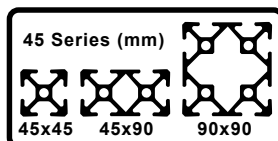
Monitor Mounts





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

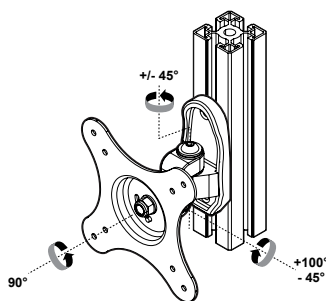


Part Number	Part Image	Price	Description	Load Rating kg [lb]	Pack Quantity	Installation Instructions Link	Drawing Link
162893		\$42.00	Swivel Monitor Mount	15 [33.1]	1	PDF	PDF
162894		\$50.00				PDF	PDF
162895		\$58.00				PDF	PDF
162896		\$92.00	Monitor Mounting Joint			PDF	PDF
162898		\$93.00	Monitor Holder			PDF	PDF
162899		\$325.00	4-Axis Mounting Support	10 [22.0]		PDF	PDF
162900		\$394.00	5-Axis Mounting Support			PDF	PDF
162901		\$630.00	4-Axis Workstation	8 [17.6]		PDF	PDF

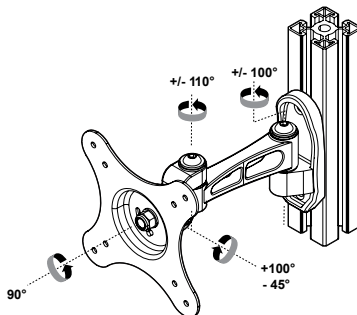
FATH® T-Slotted Rail Accessories

Monitor Mounts - Continued

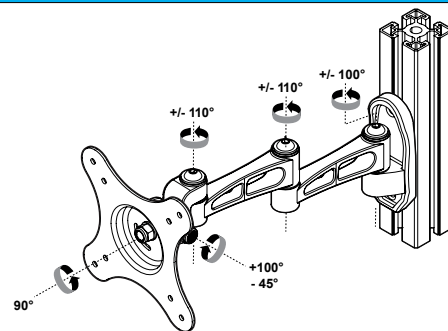
Monitor Mounts Adjustments



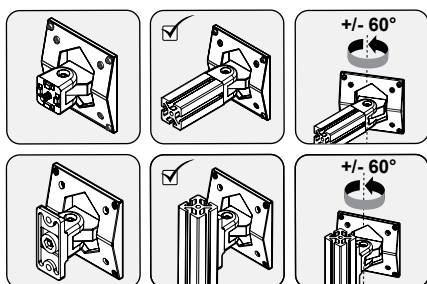
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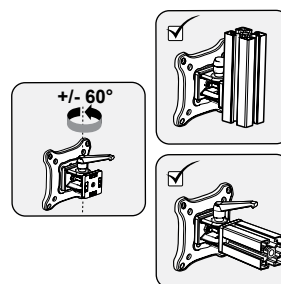
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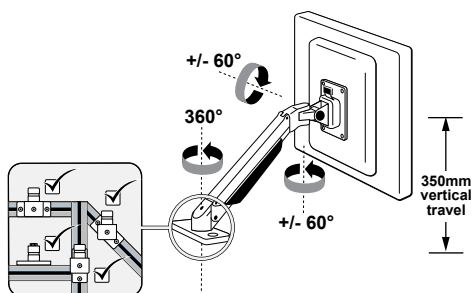
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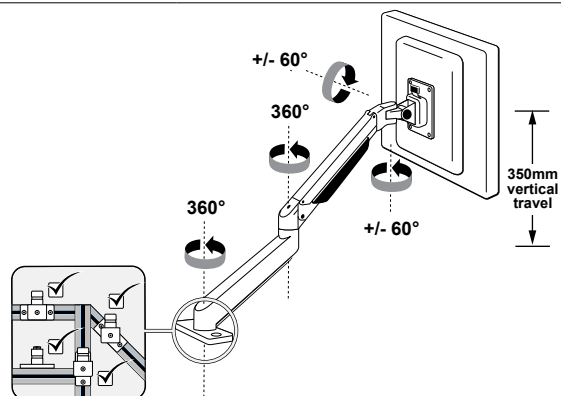
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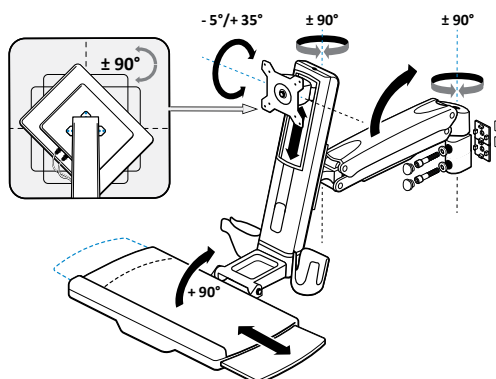
162898



162899



162900



162901

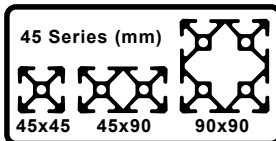
FATH® T-Slotted Rail Accessories



Workstation Components



45 Series Workstation Components

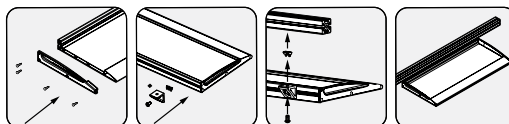
Fits  Slot Size



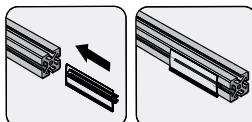
Part Number	Part Image	Price	Description	Load Rating kg [lb]	Pack Quantity	Material	Drawing Link
<u>162902</u>		\$185.00	Keyboard Holder (requires mounting solution, designer's choice)	n/a	1	Aluminum/nylon	<u>PDF</u>
<u>162966</u>		\$2.25	Label Clip		10	PVC	<u>PDF</u>

Workstation Components Installation

Keyboard Holder (mounting example)



Label Clip



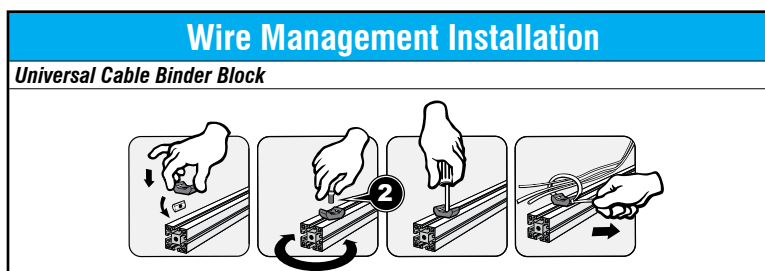
FATH® T-Slotted Rail Accessories

Wire Management



45 Series Wire Management							
Fits		Slot Size 10	<div>45 Series (mm)</div> <div> </div> <div>45x45 45x90 90x90</div>				
Part Number	Part Image	Price	Description	Pack Quantity	Recommended Screw Fastener *T-Slot Attachment 2 (ADC Part Number)	Material	Drawing Link
151270		\$94.00	Conduit Cover 2000 mm long	2	n/a	Polypropylene	PDF
151271		\$94.00					PDF
151278		\$15.50	Cross Cable Binding Block	10	n/a	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



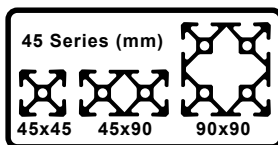
FATH® T-Slotted Rail Accessories

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	BHCS M4-0.7 x 25mm (not sold by ADC)	1	Rubber/zinc-plated steel	PDF
151170		\$9.00						PDF
162973		\$3.25	Sensor Mounting Block for 8mm diameter sensor				Nylon	PDF
162974		\$3.25	Sensor Mounting Block for 12mm diameter sensor					PDF

*T-Slot Nut also required

Miscellaneous Accessories Installation

Sensor Mounting Block

