



# Aluminum T-Slotted Rail

## 30 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	
<b>Material</b>	Aluminum 6063-T6
<b>Finish</b>	Clear Anodize
<b>Hardness</b>	Webster Model B 11-12
<b>Straightness</b>	0.0125 inch/ft [1.042 mm/m]
<b>Twist</b>	0.25°/ft [0.25°/305mm]



30 Series (metric)								
Slot Size 8 Core Hole Ø 7.3 mm					Drop Lock T-Slot Drop Lock feature improves connection strength and vibration resistance			
Part Number	Part Image	Price per cm	Profile Size	Weight Class	Weight lbs/ft [kg/m]	Moment of Inertia Lx	Moment of Inertia Ly	Drawing Link
<a href="#">30-3030C</a>		\$0.11	30 x 30mm	Standard	0.605 [0.900]	0.068 in <sup>4</sup> [2.829 cm <sup>4</sup> ]	0.068 in <sup>4</sup> [2.829 cm <sup>4</sup> ]	<a href="#">PDF</a>
<a href="#">30-3060C</a>		\$0.18	30 x 60mm		1.058 [1.574]	0.130 in <sup>4</sup> [5.408 cm <sup>4</sup> ]	0.473 in <sup>4</sup> [19.677 cm <sup>4</sup> ]	<a href="#">PDF</a>
<a href="#">30-6060C</a>		\$0.27	60 x 60mm		1.681 [2.502]	0.871 in <sup>4</sup> [36.234 cm <sup>4</sup> ]	0.871 in <sup>4</sup> [36.234 cm <sup>4</sup> ]	<a href="#">PDF</a>

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

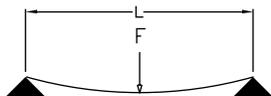
"L" = Length

"W" = Weight

*\*for reference only*

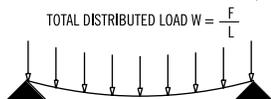
### Supported Loads

CONCENTRATED LOAD AT CENTER (simply supported)



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

UNIFORMLY DISTRIBUTED LOAD (simply supported)



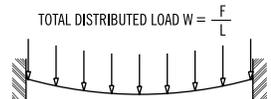
$$\text{MAX DEFLECTION} = \frac{5}{84} \frac{WL^4}{EI}$$

CONCENTRATED LOAD AT CENTER (between fixed supports)



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

UNIFORMLY DISTRIBUTED LOAD (between fixed supports)

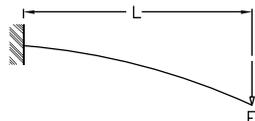


$$\text{MAX DEFLECTION} = \frac{WL^4}{384 EI}$$

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]

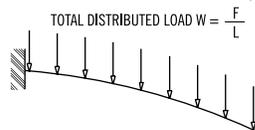
### Cantilever Loads

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

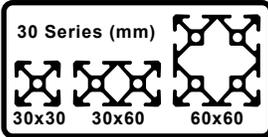


T-Slot Nuts Selection				
Part Image	Nut Type	Installation	Holds Position Without Screw	ESD Connection
	Double Economy T-Nut			No
	Economy T-Nut			
	Hammer Nut		No	Yes
	Slide-In Nut			
	Roll-In Nut with Leaf Spring		Yes	No
	Roll-In Nut with Spring Loaded Ball			

30 Series T-Slot Nuts						
		Fits  Slot Size 8				
Part Number	Part Image	Price	Nut Type	Thread Size	Pack Quantity	Drawing Link
<a href="#">161126</a>		\$8.25	Hammer Nut	10-32 UNF	10	<a href="#">PDF</a>
<a href="#">151097</a>		\$9.50		1/4-20 UNC		<a href="#">PDF</a>
<a href="#">161127</a>		\$8.00		M4-0.7		<a href="#">PDF</a>
<a href="#">161116</a>		\$16.75	Roll-In Nut	M5-0.8		<a href="#">PDF</a>
<a href="#">161128</a>		\$8.00	Hammer Nut			<a href="#">PDF</a>
<a href="#">161117</a>		\$16.75	Roll-In Nut			<a href="#">PDF</a>

# FATH® T-Slotted Rail Accessories

## T-Slot Nuts - Continued

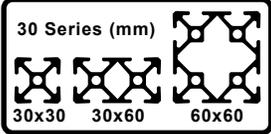
30 Series T-Slot Nuts - Continued						
		Fits  Slot Size 8				
Part Number	Part Image	Price	Nut Type	Thread Size	Pack Quantity	Drawing Link
<a href="#"><u>151179</u></a>		\$6.50	Economy T-Nut	M6-1.0	10	<a href="#"><u>PDF</u></a>
<a href="#"><u>151180</u></a>		\$5.25	Double Economy T-Nut		4	<a href="#"><u>PDF</u></a>
<a href="#"><u>151181</u></a>		\$9.00	Hammer Nut		10	<a href="#"><u>PDF</u></a>
<a href="#"><u>161118</u></a>		\$16.75	Roll-In Nut	<a href="#"><u>PDF</u></a>		
<a href="#"><u>151182</u></a>		\$19.00		M8-1.25		<a href="#"><u>PDF</u></a>

# FATH® T-Slotted Rail Accessories

## Fasteners

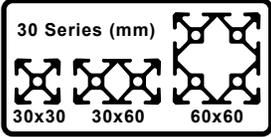
- Choose from 4 Head types in numerous lengths
- Hex socket head
- Select desired T-Slot nut style with corresponding thread size.
- Material: Black zinc plated or bright zinc plated steel, prevents corrosion better than typical black oxide coatings



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

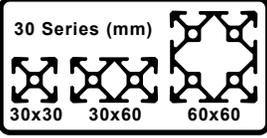
# FATH® T-Slotted Rail Accessories

## Fasteners - Continued

30 Series Fasteners - Continued								
		Fits 						
Part Number	Part Image	Price	Thread X Length	Head Type	Color	Pack Quantity	Drawing Link	
<a href="#">161051</a>		\$4.75	1/4-20 UNC x 3/4in	Button head socket cap screw	Flat black	10	<a href="#">PDF</a>	
<a href="#">161052</a>		\$5.25	1/4-20 UNC x 1in				<a href="#">PDF</a>	
<a href="#">161088</a>		\$2.25	M4-0.7 x 8mm	Socket head cap screw	Bright zinc		<a href="#">PDF</a>	
<a href="#">161089</a>		\$2.50	M4-0.7 x 10mm				<a href="#">PDF</a>	
<a href="#">161056</a>		\$1.00		Button head socket cap screw			<a href="#">PDF</a>	
<a href="#">161076</a>		\$1.50	M4-0.7 x 12mm	Flat head socket cap screw			<a href="#">PDF</a>	
<a href="#">161057</a>		\$1.25	M5-0.8 x 10mm	Button head socket cap screw			<a href="#">PDF</a>	
<a href="#">161090</a>		\$2.50		Socket head cap screw			<a href="#">PDF</a>	
<a href="#">161077</a>		\$1.75	M5-0.8 x 12mm	Flat head socket cap screw			Bright zinc	<a href="#">PDF</a>
<a href="#">161091</a>		\$2.50		Socket head cap screw				<a href="#">PDF</a>
<a href="#">161058</a>		\$1.75		Button head socket cap screw		<a href="#">PDF</a>		
<a href="#">161092</a>		\$2.50	M6-1.0 x 10mm	Socket head cap screw		Bright zinc	<a href="#">PDF</a>	
<a href="#">161078</a>		\$2.25	M6-1.0 x 12mm	Flat head socket cap screw	<a href="#">PDF</a>			
<a href="#">161059</a>		\$2.00		Button head socket cap screw	<a href="#">PDF</a>			
<a href="#">161093</a>		\$2.75		Socket head cap screw	<a href="#">PDF</a>			

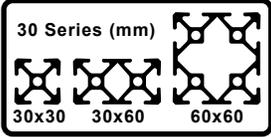
# FATH® T-Slotted Rail Accessories

## Fasteners - Continued

30 Series Fasteners - Continued							
							
Part Number	Part Image	Price	Thread X Length	Head Type	Color	Pack Quantity	Drawing Link
<a href="#">161079</a>		\$2.50	M6-1.0 x 14mm	Flat head socket cap screw	Bright zinc	10	<a href="#">PDF</a>
<a href="#">161060</a>		\$2.25		Button head socket cap screw			<a href="#">PDF</a>
<a href="#">161094</a>		\$2.75	M6-1.0 x 14mm	Socket head cap screw			<a href="#">PDF</a>
<a href="#">161080</a>		\$2.50	M6-1.0 x 16mm	Flat head socket cap screw			<a href="#">PDF</a>
<a href="#">161061</a>		\$2.50		Button head socket cap screw			<a href="#">PDF</a>
<a href="#">161095</a>		\$2.75		Socket head cap screw			<a href="#">PDF</a>
<a href="#">161062</a>		\$2.75	M6-1.0 x 18mm	Button head socket cap screw			<a href="#">PDF</a>
<a href="#">161096</a>		\$3.00		Socket head cap screw			<a href="#">PDF</a>
<a href="#">161081</a>		\$2.50	M6-1.0 x 20mm	Flat head socket cap screw			<a href="#">PDF</a>
<a href="#">161063</a>		\$2.75		Button head socket cap screw			<a href="#">PDF</a>
<a href="#">161097</a>		\$3.25		Socket head cap screw			<a href="#">PDF</a>
<a href="#">161064</a>		\$3.25	M6-1.0 x 25mm	Button head socket cap screw			<a href="#">PDF</a>
<a href="#">161082</a>		\$4.75	M8-1.25 x 12mm	Flat head socket cap screw			<a href="#">PDF</a>
<a href="#">161065</a>		\$4.25		Button head socket cap screw			<a href="#">PDF</a>
<a href="#">161098</a>		\$4.75		Socket head cap screw			<a href="#">PDF</a>

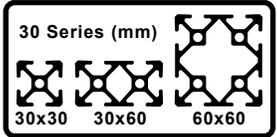
# FATH® T-Slotted Rail Accessories

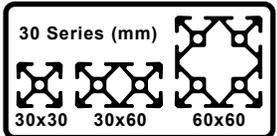
## Fasteners - Continued

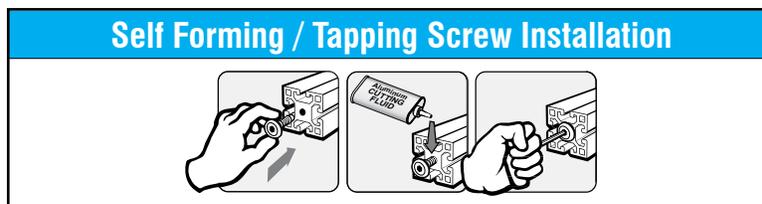
30 Series Fasteners - Continued							
Fits 							
Part Number	Part Image	Price	Thread X Length	Head Type	Color	Pack Quantity	Drawing Link
<a href="#">161066</a>		\$4.50	M8-1.25 x 14mm	Button head socket cap screw	Bright zinc	10	<a href="#">PDF</a>
<a href="#">161083</a>		\$5.00		Flat head socket cap screw			<a href="#">PDF</a>
<a href="#">161099</a>		\$5.00	M8-1.25 x 14mm	Socket head cap screw			<a href="#">PDF</a>
<a href="#">161084</a>		\$5.50	M8-1.25 x 16mm	Flat head socket cap screw			<a href="#">PDF</a>
<a href="#">161100</a>		\$5.50		Socket head cap screw			<a href="#">PDF</a>
<a href="#">161067</a>		\$4.50		Button head socket cap screw			Gloss black
<a href="#">151183</a>		\$4.75		Flanged button head socket cap screw	<a href="#">PDF</a>		
<a href="#">151184</a>		\$5.50			<a href="#">PDF</a>		
<a href="#">161085</a>		\$5.50	M8-1.25 x 18mm	Flat head socket cap screw	Bright zinc		<a href="#">PDF</a>
<a href="#">161068</a>		\$5.00		Button head socket cap screw			<a href="#">PDF</a>
<a href="#">161101</a>		\$5.50		Socket head cap screw			<a href="#">PDF</a>
<a href="#">151241</a>		\$4.50		Button head socket cap screw			M8-1.25 x 20mm
<a href="#">161102</a>		\$5.75	Socket head cap screw	<a href="#">PDF</a>			

# FATH® T-Slotted Rail Accessories

## Fasteners - Continued

30 Series Fasteners - Continued							
		Fits 					
Part Number	Part Image	Price	Thread X Length	Head Type	Color	Pack Quantity	Drawing Link
<a href="#">161086</a>		\$7.00	M8-1.25 x 25mm	Flat head socket cap screw	Bright zinc	10	<a href="#">PDF</a>
<a href="#">161069</a>		\$5.25		Button head socket cap screw			<a href="#">PDF</a>
<a href="#">161070</a>		\$8.00	M8-1.25 x 40mm				<a href="#">PDF</a>

30 Series Self Forming / Tapping Screws							
		Fits 				Works with Aluminum with hole diameter 0.276" - 0.295" [7.0 - 7.5 mm]	
Part Number	Part Image	Price	Thread X Length	Head Type	Color	Pack Quantity	Drawing Link
<a href="#">161108</a>		\$9.25	8 x 25mm	Self-Tapping Screw Flanged button head socket cap T-40 Torx	Bright zinc	10	<a href="#">PDF</a>
<a href="#">161109</a>		\$8.75		Self-Tapping Screw Flat head socket cap			<a href="#">PDF</a>



# FATH® T-Slotted Rail Accessories

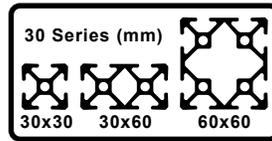
## Connecting Components

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



### 30 Series Connecting Components

Fits Slot Size 8

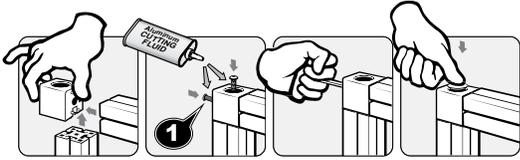
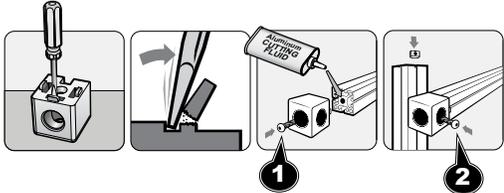
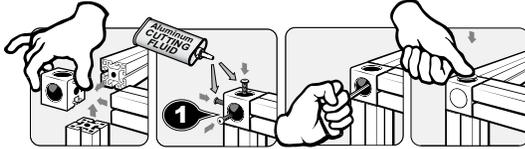
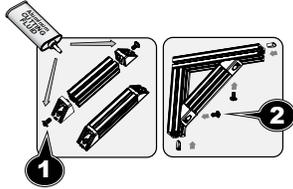
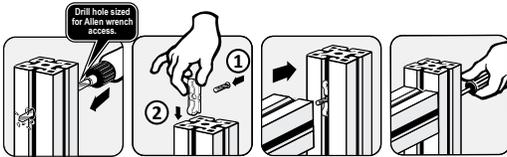
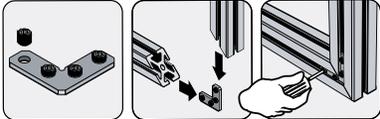


Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number)		Pack Quantity	Drawing Link
						Core Hole Attachment <b>1</b>	*T-Slot Attachment <b>2</b>		
<a href="#">151185</a>		\$9.50	2d Cube Connector	30 x 30mm 30 x 60mm 60 x 60mm	Die-cast aluminum	161085	161083	1	<a href="#">PDF</a>
<a href="#">151186</a>		\$10.00	3d Cube Connector				n/a		<a href="#">PDF</a>
<a href="#">151187</a>		\$4.75	Angle Connector			30 x 30mm	151241 Requires manually tapping core hole to M8-1.25 x 20 DP		161066
<a href="#">151188</a>		\$7.25		30 x 60mm	<a href="#">PDF</a>				
<a href="#">162961</a>		\$11.50	Miter Connector	30 x 30mm 30 x 60mm 60 x 60mm	Steel	n/a	M8-1.25 x 8mm set screw (4) included		<a href="#">PDF</a>
<a href="#">163008</a>		\$10.75	Screw Connector		Zinc plated steel	Designer's choice	n/a		10

\*T-Slot Nut also required.

# FATH® T-Slotted Rail Accessories

## Connecting Components - Continued

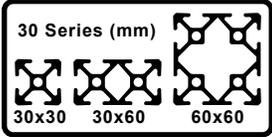
Connecting Components Installation	
Core Hole Installation	T-Slot Installation
<p><b>2D Cube Connector</b></p> 	
<p><b>3D Cube Connector</b></p> 	<p>n/a</p>
<p><b>Angle Connector</b></p> 	
<p><b>Screw Connector</b></p> 	
<p><b>Miter Connector</b></p> 	

# 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



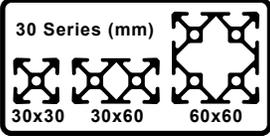
30 Series Joining Plates						
<i>Fits</i> 						
Part Number	Part Image	Price	Description	Recommended Screw Fastener - T-Slot Hole Attachment (ADC Part Number)	Pack Quantity	Drawing Link
<a href="#">151189</a>		\$4.50	Straight Flat Plate	161059	1	<a href="#">PDF</a>
<a href="#">162985</a>		\$8.00				<a href="#">PDF</a>
<a href="#">151190</a>		\$5.50				<a href="#">PDF</a>
<a href="#">151191</a>		\$5.50	Square Flat Plate			<a href="#">PDF</a>
<a href="#">151192</a>		\$9.50	Rectangular Flat Plate			<a href="#">PDF</a>
<a href="#">151193</a>		\$9.50	Flat Plate			<a href="#">PDF</a>
<a href="#">151194</a>		\$10.00	T-Shaped Flat Plate			<a href="#">PDF</a>
<a href="#">162988</a>		\$18.00				<a href="#">PDF</a>

# 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

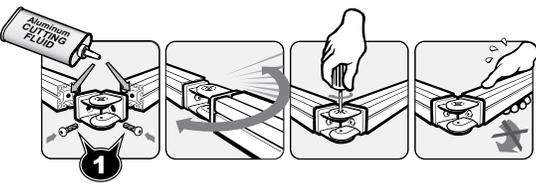
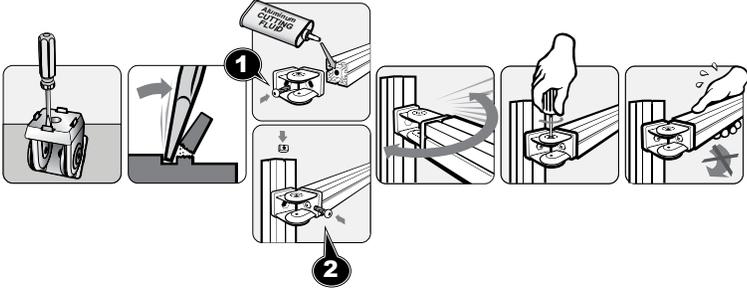
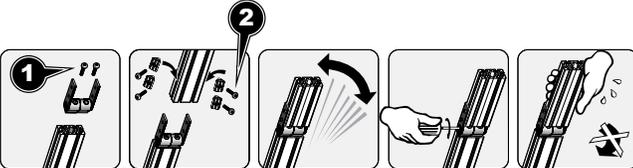
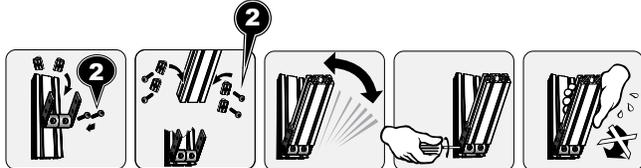


30 Series Brackets								
		Fits 						
Part Number	Part Image	Price	Description	Recommended Screw Fastener (ADC Part Number)		Pack Quantity	Material	Drawing Link
				Core Hole Attachment <b>1</b>	*T-Slot Attachment <b>2</b>			
<a href="#">151195</a>		\$4.25	Inside Corner Bracket	n/a	<a href="#">161059</a>	1	Anodized aluminum	<a href="#">PDF</a>
<a href="#">151196</a>		\$5.25	Wide Inside Corner Bracket					<a href="#">PDF</a>
<a href="#">151197</a>		\$5.75	Tall Inside Corner Bracket					<a href="#">PDF</a>
<a href="#">151198</a>		\$11.00	Inside Corner Bracket					<a href="#">PDF</a>
<a href="#">162989</a>		\$2.25	Gusseted Inside Corner Bracket					<a href="#">PDF</a>
<a href="#">162990</a>		\$4.75	Tall Gusseted Inside Corner Bracket					<a href="#">PDF</a>
<a href="#">162991</a>		\$4.75	Wide Gusseted Inside Corner Bracket					<a href="#">PDF</a>
<a href="#">162992</a>		\$8.00	Gusseted Inside Corner Bracket					<a href="#">PDF</a>
<a href="#">151199</a>		\$28.50	Pivot Joint	<a href="#">161102</a> Requires manually tapping core hole to M8-1.25 x 20mm DP	<a href="#">161099</a>	1	Die-cast zinc	<a href="#">PDF</a>
<a href="#">151200</a>		\$38.50	Pivot Joint With Locking Handle					<a href="#">PDF</a>
<a href="#">163014</a>		\$27.50	1-Slot Pivot Joint	Not possible	<a href="#">161092</a>	1	Die-cast zinc/die-cast aluminum/nylon	<a href="#">PDF</a>
<a href="#">163017</a>		\$36.50	2-Slot Pivot Joint					<a href="#">PDF</a>

\*T-Slot Nut also required.

# FATH® T-Slotted Rail Accessories

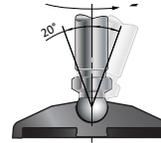
## Brackets - Continued

Brackets Installation	
Core Hole Installation	T-Slot Installation
<p><b>Pivot Joint</b></p>  <p>Manually tap core hole for screw</p>	
<p><b>Pivot Joint</b></p> 	

# FATH® T-Slotted Rail Accessories

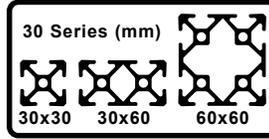
## Bases

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



### 30 Series Bases

Fits Slot Size 8



Part Number	Part Image	Price	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			
<a href="#">162940</a>		\$11.00	M8-1.25 Transport/ Base Plate	30 x 60mm	n/a	161102** (2) included with kit		1	Die-cast zinc	<a href="#">PDF</a>
<a href="#">162941</a>		\$11.00	M10-1.5 Transport/ Base Plate							<a href="#">PDF</a>
<a href="#">162942</a>		\$11.00	M12-1.75 Transport/ Base Plate							<a href="#">PDF</a>
<a href="#">162943</a>		\$17.50	M8-1.25 Transport/ Base Plate	60 x 60mm	n/a	161102** (4) included with kit	n/a	1	Die-cast zinc	<a href="#">PDF</a>
<a href="#">162944</a>		\$17.75	M10-1.5 Transport/ Base Plate							<a href="#">PDF</a>
<a href="#">162945</a>		\$20.00	M12-1.75 Transport/ Base Plate							<a href="#">PDF</a>
<a href="#">162946</a>		\$20.00	M14-2.0 Transport/ Base Plate							<a href="#">PDF</a>
<a href="#">162947</a>		\$20.00	M16-2.0 Transport/ Base Plate							<a href="#">PDF</a>
<a href="#">151201</a>		\$3.75	M8-1.25 x 40mm Swivel Foot Threaded Rod with 15mm ball	Requires Transport / Base Plate <a href="#">162940</a> or <a href="#">162943</a>	350 [772]*	n/a		1	Zinc plated steel	<a href="#">PDF</a>
<a href="#">151202</a>		\$4.00	M10-1.5 x 45mm Swivel Foot Threaded Rod with 15mm ball	Requires Transport / Base Plate <a href="#">162941</a> or <a href="#">162944</a>	470 [1036]*					<a href="#">PDF</a>
<a href="#">162938</a>		\$6.50	M16-2.0 x 100mm Swivel Foot Threaded Rod with 15mm ball	Requires Transport / Base Plate <a href="#">162947</a>	1450 [3197]					<a href="#">PDF</a>

\*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]  
 \*\*Requires tapping Core Hole (M8-1.25 x 20mm deep)  
 \*\*\*T-Slot Nut also required.

# FATH® T-Slotted Rail Accessories

## Bases - Continued

### 30 Series Bases - continued

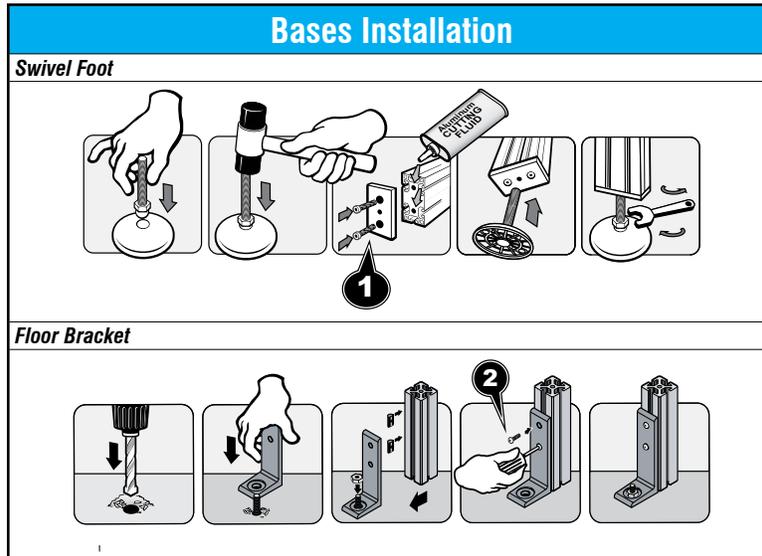


Part Number	Part Image	Price	Diameter	Description	Fits	Load Rating kg [lb]	Recommended Screw Fastener (ADC Part Number)		Pack Quantity	Material	Drawing Link
							Core Hole Attachment <b>1</b>	***T-Slot Attachment <b>2</b>			
<a href="#">151068</a>		\$4.00	1.57 in [39.0 mm]	Swivel Base With Anti-Slip Plate	Any 15mm ball Threaded Rod	900 [1984]	n/a	n/a	1	Nylon	<a href="#">PDF</a>
<a href="#">151071</a>		\$9.50				Die-cast zinc				<a href="#">PDF</a>	
<a href="#">151072</a>		\$17.00	3.11 in [79.0 mm]			3000 [6614]				Nylon	<a href="#">PDF</a>
<a href="#">151073</a>		\$17.00				900 [1984]				Die-cast zinc	<a href="#">PDF</a>
<a href="#">151069</a>		\$6.00				n/a				Nylon	<a href="#">PDF</a>
<a href="#">151070</a>		\$6.00				n/a				Nylon	<a href="#">PDF</a>
<a href="#">162933</a>		\$12.50	see 2D drawing	Extended Swivel Base	1000 [2204]	Nylon	<a href="#">PDF</a>				
<a href="#">162934</a>		\$27.00			3000 [6613]	Die-cast zinc	<a href="#">PDF</a>				
<a href="#">162956</a>		\$11.00	n/a	Floor Bracket	30 x 30mm, 30 x 60mm, 60 x 60mm	n/a	<a href="#">161066</a>		Anodized aluminum	<a href="#">PDF</a>	

**\*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]  
 \*\*Requires tapping Core Hole (M8-1.25 x 20mm deep)  
 \*\*\*T-Slot Nut also required.

# FATH<sup>®</sup> T-Slotted Rail Accessories

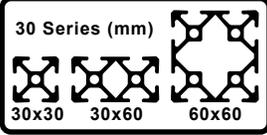
## Bases - Continued



# FATH® T-Slotted Rail Accessories

## Casters

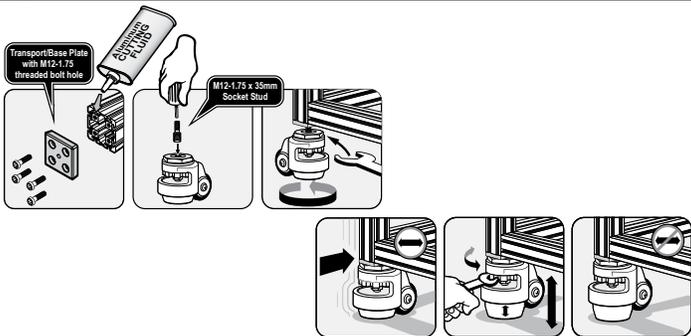
- Recommended ADC Fastener based on part feature and attachment type
- Material: varies by part

30 Series Casters										
		Fits 								
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 <b>1</b>	*T-Slot Attachment <b>2</b>			
<a href="#">163010</a>		\$40.00	Leveling Caster	Transport / Base Plate with M12-1.75 threaded hole	250 [551]	n/a	n/a	1	Die-cast aluminum/ steel/nylon/ rubber	<a href="#">PDF</a>
<a href="#">163011</a>		\$52.00			500 [1102]					<a href="#">PDF</a>
<a href="#">163012</a>		\$41.00	Leveling Caster	n/a	250 [551]	n/a	161059	1	Die-cast aluminum/ steel/nylon/ rubber	<a href="#">PDF</a>
<a href="#">163013</a>		\$56.00			500 [1102]					<a href="#">PDF</a>

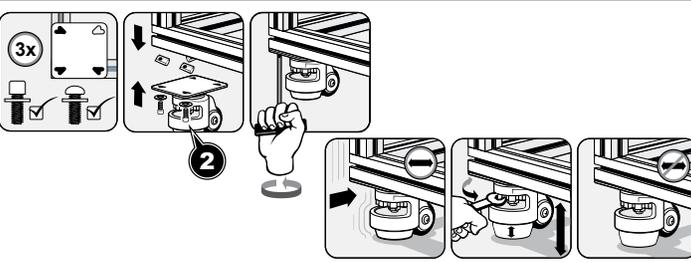
\*T-Slot Nut also required.

### Caster Installation

**Leveling Caster with bolt hole thread**



**Leveling Caster with mounting plate**

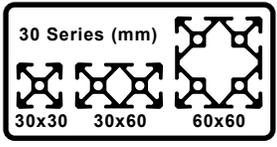


# FATH® T-Slotted Rail Accessories

## Hinges

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



30 Series Hinges							
Fits  Slot Size 8							
Part Number	Part Image	Price	Description	Recommended Screw Fastener *T-Slot Attachment (ADC Part Number)	Pack Quantity	Material	Drawing Link
<a href="#">151203</a>		\$6.25	Left-Hand Detachable Combination Hinge	161079	1	Fiberglass reinforced plastic	<a href="#">PDF</a>
<a href="#">151204</a>		\$6.50	Right-Hand Detachable Combination Hinge				<a href="#">PDF</a>
<a href="#">151205</a>		\$6.50	Non-Detachable Combination Hinge				<a href="#">PDF</a>
<a href="#">151206</a>		\$11.50	Non-Detachable Combination Hinge With Locking Lever				<a href="#">PDF</a>
<a href="#">151207</a>		\$16.50	Left-Hand Detachable Combination Hinge			Die-cast aluminum	<a href="#">PDF</a>
<a href="#">151208</a>		\$16.50	Right-Hand Detachable Combination Hinge				<a href="#">PDF</a>
<a href="#">151209</a>		\$16.50	Non-Detachable Combination Hinge				<a href="#">PDF</a>

\*T-Slot Nut also required

# FATH® T-Slotted Rail Accessories

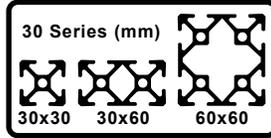
## Panel and Door Elements

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



### 30 Series Panel and Door Elements

Fits Slot Size 8



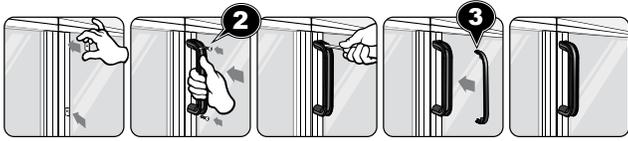
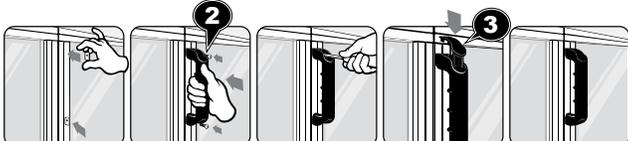
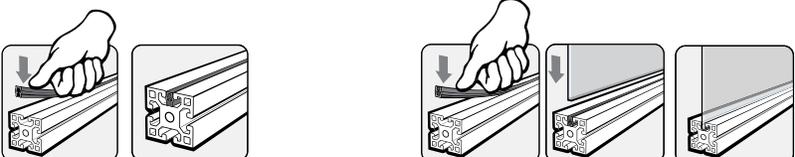
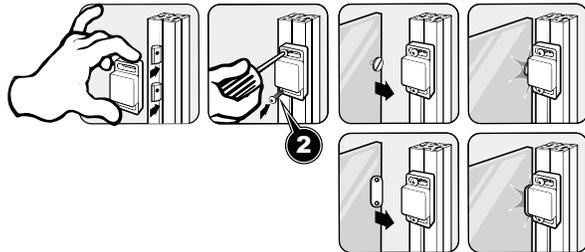
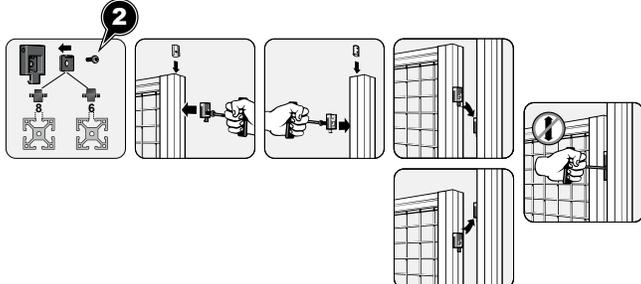
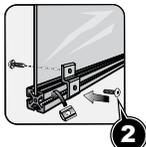
Part Number	Part Image	Price	Description	Recommended Screw Fastener *T-Slot Attachment <b>2</b> (ADC Part Number)	Pack Quantity	Material	Drawing Link	
<a href="#">151146</a>		\$6.00	Bridge Handle	<a href="#">161061</a>	1	Fiberglass reinforced plastic	<a href="#">PDF</a>	
<a href="#">151147</a>		\$6.00		<a href="#">161065</a>			<a href="#">PDF</a>	
<a href="#">151148</a>		\$6.25	Cover Cap <b>3</b>	n/a			<a href="#">PDF</a>	
<a href="#">151149</a>		\$6.50	Comfort Handle	<a href="#">151183</a>			<a href="#">PDF</a>	
<a href="#">151085</a>		\$4.50	Comfort Handle	<a href="#">161095</a>			<a href="#">PDF</a>	
<a href="#">151086</a>		\$4.00	Cover Cap <b>3</b>	n/a			<a href="#">PDF</a>	
<a href="#">151157</a>		\$7.25	Ball Catch	<a href="#">151162</a>			<a href="#">PDF</a>	
<a href="#">151158</a>		\$14.50	Double Ball Catch	FHCS M4-0.7 x 10mm**			Brass	<a href="#">PDF</a>
<a href="#">162963</a>		\$8.50	Magnetic Catch	<a href="#">161062</a>			Nylon/steel	<a href="#">PDF</a>
<a href="#">162912</a>		\$4.50	Panel Holder	<a href="#">161066</a>			Anodized aluminum	<a href="#">PDF</a>
<a href="#">162917</a>		\$5.75			<a href="#">PDF</a>			
<a href="#">162977</a>		\$8.50	Hanger	<a href="#">161059</a>	Die-cast zinc	<a href="#">PDF</a>		
<a href="#">151210</a>		\$150.00	Cover And Reduction Profile	n/a	25	Thermoplastic elastomer	<a href="#">PDF</a>	

\*T-Slot Nut also required

\*\* Recommended fastener not available from AutomationDirect.com

# FATH® T-Slotted Rail Accessories

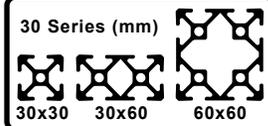
## Panel and Door Elements - Continued

Panel and Door Elements Installation	
<b>Bridge Handle and Cover Cap</b>	 A sequence of five illustrations showing the installation of a bridge handle and cover cap. Step 1 shows the handle being inserted into the rail. Step 2 shows a screw being tightened. Step 3 shows the cover cap being placed over the handle.
<b>Comfort Handle and Cover Cap</b>	 A sequence of five illustrations showing the installation of a comfort handle and cover cap. Step 1 shows the handle being inserted into the rail. Step 2 shows a screw being tightened. Step 3 shows the cover cap being placed over the handle.
<b>Cover and Reduction Profile</b>	 A series of illustrations showing the installation of cover and reduction profiles. It includes side and cross-sectional views of the profiles being inserted into the rail.
<b>Magnetic Catch</b>	 A series of illustrations showing the installation of a magnetic catch. Step 1 shows the catch being inserted into the rail. Step 2 shows the catch being secured with a screw.
<b>Hanger</b>	 A series of illustrations showing the installation of a hanger. Step 1 shows the hanger being inserted into the rail. Step 2 shows the hanger being secured with a screw. A warning icon is present in the final illustration.
<b>Panel Holder</b>	 An illustration showing the installation of a panel holder. Step 1 shows the holder being inserted into the rail.

# FATH® T-Slotted Rail Accessories

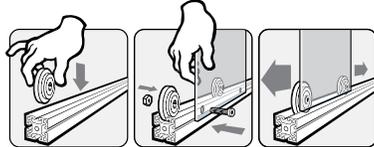
## Slides and Rollers



30 Series Slides and Rollers							
Fits 							
Part Number	Part Image	Price	Description	Fits	Pack Quantity	Material	Drawing Link
<a href="#">148974</a>		\$9.50	Roller	All 30 Series	1	Nylon	<a href="#">PDF</a>
<a href="#">151211</a>		\$4.50	Slider			Glass-filled nylon	<a href="#">PDF</a>
<a href="#">151089</a>		\$4.50	Snap Hook	Slider <a href="#">151211</a>		Zinc plated steel	<a href="#">PDF</a>
<a href="#">162968</a>		\$7.50	Profile Slider Center Slot	All 30 Series		Polyoxymethylene (POM)	<a href="#">PDF</a>

### Slides and Rollers Installation

**Roller**



Bolt and nut not included and not available from AutomationDirect

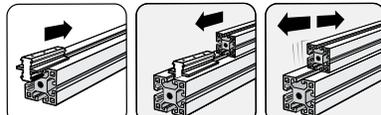
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**Slider and Snap Hook**




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**Profile Slider**



# FATH® T-Slotted Rail Accessories

## Monitor Mounts



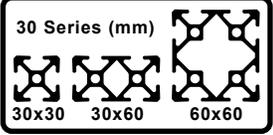
30 Series Monitor Mounts							
<ul style="list-style-type: none"> <li>Fits monitors with VESA mounting standard</li> <li>Durable steel construction</li> <li>Powder coat finish</li> <li>Mounting hardware included for several mounting locations</li> </ul>		Fits  Slot Size 8					
Part Number	Part Image	Price	Description	Load Rating kg [lb]	Pack Quantity	Installation Instructions Link	Drawing Link
<a href="#">162893</a>		\$42.00	Swivel Monitor Mount	15 [33.1]	1	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">162894</a>		\$50.00				<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">162895</a>		\$58.00				<a href="#">PDF</a>	<a href="#">PDF</a>

Monitor Mounts Adjustments		
<p><b>162893</b></p>	<p><b>162894</b></p>	<p><b>162895</b></p>

# FATH® T-Slotted Rail Accessories

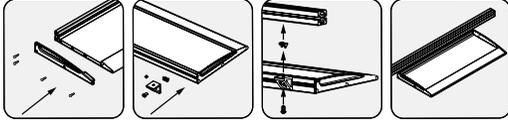
## Workstation Components



30 Series Workstation Components							
		Fits  Slot Size 8					
Part Number	Part Image	Price	Description	Load Rating kg [lb]	Pack Quantity	Material	Drawing Link
<a href="#">162902</a>		\$185.00	Keyboard Holder	n/a	1	Aluminum/nylon	<a href="#">PDF</a>
<a href="#">162964</a>		\$9.00	Grab Tray			Nylon	<a href="#">PDF</a>
<a href="#">162965</a>		\$2.00	Label Clip			PVC	<a href="#">PDF</a>

### Workstation Components Installation

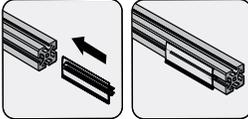
**Keyboard Holder (mounting example)**



**Grab Tray**



**Label Clip**



# FATH® T-Slotted Rail Accessories

## Wire Management



30 Series Wire Management							
		Fits  Slot Size 8					
Part Number	Part Image	Price	Description	Pack Quantity	Recommended Screw Fastener *T-Slot Attachment <b>2</b> (ADC Part Number)	Material	Drawing Link
<a href="#">162982</a>		\$7.50	Universal Cable Binder Block	10	<a href="#">161057</a>	Nylon	<a href="#">PDF</a>
<a href="#">162983</a>		\$15.75	Cable Binder Block		n/a		<a href="#">PDF</a>

\*T-Slot Nut also required

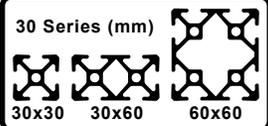
### Wire Management Installation

*Universal Cable Binder Block*

# FATH® T-Slotted Rail Accessories

## Miscellaneous Accessories



30 Series Miscellaneous Accessories								
Fits 								
Part Number	Part Image	Price	Description	Fits Profile	Recommended Screw Fastener *T-Slot Attachment <b>2</b> (ADC Part Number)	Pack Quantity	Material	Drawing Link
<a href="#">151212</a>		\$9.25	End Cap	30 x 30mm	n/a	10	Glass-filled nylon	<a href="#">PDF</a>
<a href="#">151170</a>		\$9.00	Stop Bumper	All 30 Series		BHCS M4-0.7 x 20mm (not sold by ADC)	1	Rubber/zinc-plated steel
<a href="#">162973</a>		\$3.25	Sensor Mounting Block for 8mm diameter sensors		Nylon			<a href="#">PDF</a>
<a href="#">162974</a>		\$3.25	Sensor Mounting Block for 12mm diameter sensors					<a href="#">PDF</a>

\*T-Slot Nut also required