

# FATH® T-Slotted Rail Accessories

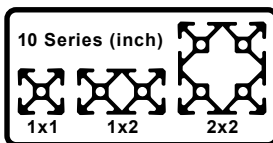
## Connecting Components









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



### 10 Series Connecting Components

Fits  Slot Size 6



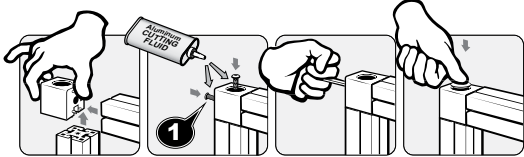
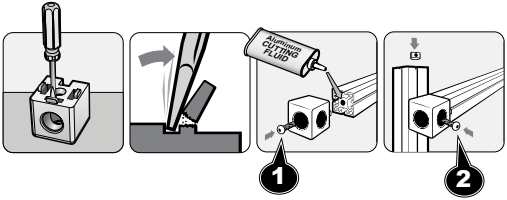
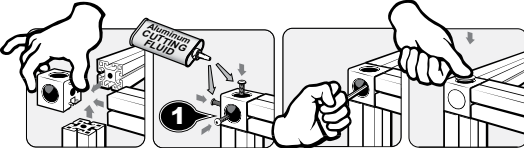
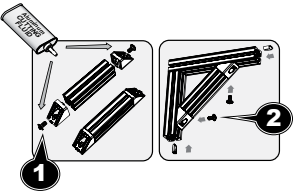
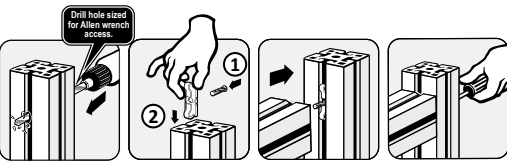
Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number)		Pack Quantity	Drawing Link
						Core Hole Attachment 1	*T-Slot Attachment 2		
<a href="#">148953</a>		\$8.25	2d Cube Connector	1 x 1in	Die-cast aluminum	<a href="#">161103</a>	Socket Head Cap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

\*T-Slot Nut also required.

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

# FATH® T-Slotted Rail Accessories

## Connecting Components - Continued

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

# 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









15 Series Connecting Components									
Fits		Slot Size 8	<div>15 Series (inch)</div> <div><div></div><div></div><div></div></div> <div>1.5x1.5    1.5x3    3x3</div>						
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		
<a href="#">148954</a>		\$10.00	2d Cube Connector	1.5 x 1.5in	Die-cast aluminum	Fasteners Included ( <a href="#">161105</a> )	<a href="#">151100</a>	1	<a href="#">PDF</a>
<a href="#">166302</a>		\$12.00				<a href="#">161105</a>			<a href="#">PDF</a>
<a href="#">148957</a>		\$11.50	<a href="#">161105</a>						<a href="#">PDF</a>
<a href="#">166303</a>		\$13.00				Angle Connector	<a href="#">161105</a>		<a href="#">161054</a>
<a href="#">151107</a>		\$7.50	1.5 x 3in						
<a href="#">166304</a>		\$8.00				<a href="#">161105</a>	<a href="#">161054</a>		<a href="#">PDF</a>
<a href="#">151108</a>		\$11.00		Fasteners Included ( <a href="#">161105</a> )		Fasteners Included ( <a href="#">161054</a> & <a href="#">151099</a> )	<a href="#">PDF</a>		
<a href="#">166305</a>		\$13.00	<a href="#">161105</a>	<a href="#">161054</a>		<a href="#">PDF</a>			
<a href="#">151102</a>		\$23.50	Duo Connector	All 15 Series	Steel	n/a	n/a	10	<a href="#">PDF</a>
<a href="#">151103</a>		\$96.00	T-Matic Connector		Zinc plated steel				<a href="#">PDF</a>
<a href="#">151104</a>		\$59.00	Automatic Connector		Steel			1	<a href="#">PDF</a>
*T-Slot Nut also required.									

\*T-Slot Nut also required.


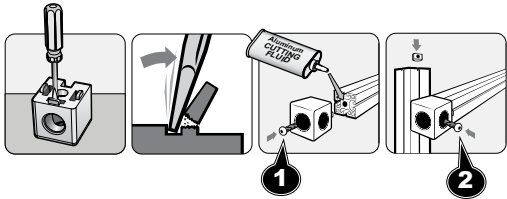
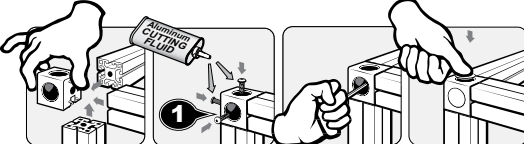
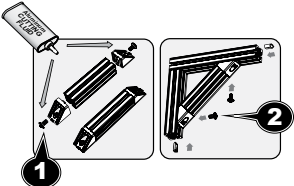
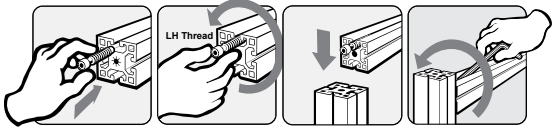
# FATH® T-Slotted Rail Accessories

## Connecting Components - Continued

15 Series Connecting Components - Continued									
		Fits		Slot Size 8		<div>15 Series (inch)</div> <div><div>1.5x1.5</div><div>1.5x3</div><div>3x3</div></div>			
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		
<a href="#">151105</a>		\$9.50	Automatic Butt Connector	All 15 Series	Steel	n/a	n/a	1	<a href="#">PDF</a>
<a href="#">151106</a>		\$8.50	Milling Connector		Zinc plated steel				<a href="#">PDF</a>
<a href="#">151109</a>		\$15.50	Connecting Strip						<a href="#">PDF</a>
<a href="#">162891</a>		\$13.00	Direct Connector		Steel		Fasteners included		<a href="#">PDF</a>
<a href="#">162961</a>		\$11.50	Miter Connector		Steel		M8-1.25 x 8mm set screw (4) included		<a href="#">PDF</a>
<a href="#">163009</a>		\$13.25	Screw Connector	1.5 x 1.5in	Zinc plated steel	Designer's choice	10	<a href="#">PDF</a>	
*T-Slot Nut also required									

# FATH® T-Slotted Rail Accessories

## Connecting Components - Continued

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

# FATH® T-Slotted Rail Accessories

## Connecting Components - Continued

Connecting Components Installation	
T-Slot Installation	
<b>T-matic Connector</b>	
<b>Automatic Connector</b>	
<b>Automatic Butt Connector</b>	
<b>Milling Connector</b>	
<b>Connecting Strip</b>	
<b>Direct Connector</b>	
<b>Screw Connector</b>	
<b>Miter Connector</b>	

# FATH® T-Slotted Rail Accessories

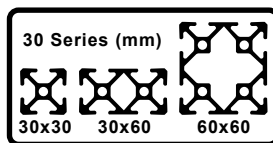
## Connecting Components







- 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

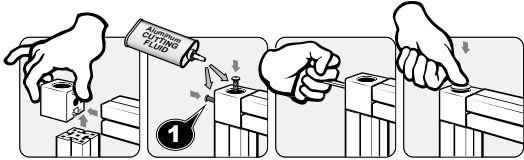
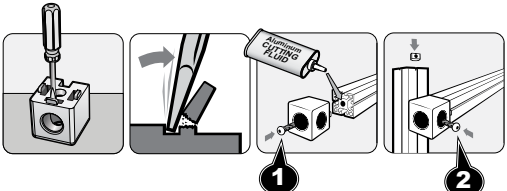
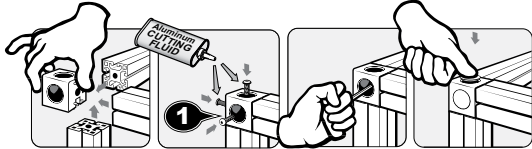
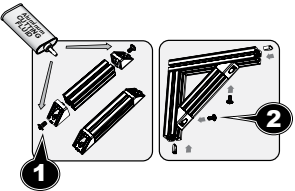
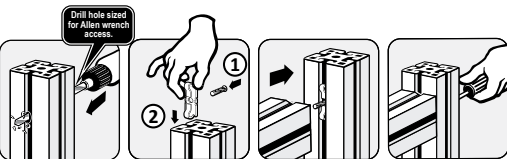
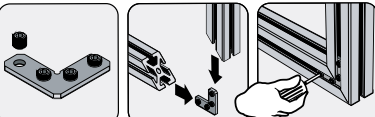


Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number)		Pack Quantity	Drawing Link
						Core Hole Attachment 1	*T-Slot Attachment 2		
<a href="#">151185</a>		\$9.50	2d Cube Connector	30 x 30mm 30 x 60mm 60 x 60mm	Die-cast aluminum	Fasteners Included ( <a href="#">161085</a> )	<a href="#">161083</a>	1	<a href="#">PDF</a>
<a href="#">151186</a>		\$10.00	3d Cube Connector			<a href="#">161085</a>	n/a		<a href="#">PDF</a>
<a href="#">151187</a>		\$5.75	Angle Connector	30 x 30mm		<a href="#">151241</a> Requires manually tapping core hole to M8-1.25 x 20 DP	<a href="#">161066</a>		<a href="#">PDF</a>
<a href="#">151188</a>		\$9.75		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	<a href="#">PDF</a>

\*T-Slot Nut also required.

# FATH® T-Slotted Rail Accessories

## Connecting Components - Continued

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



# FATH® T-Slotted Rail Accessories

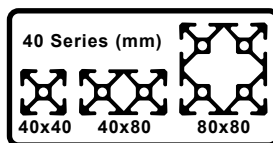
## Connecting Components









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



### 40 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 1	*T-Slot Attachment 2			
<a href="#">148958</a>		\$10.00	2d Cube Connector	40 x 40mm	Die-cast aluminum	<a href="#">161105</a>	<a href="#">161085</a>	1	<a href="#">PDF</a>	
<a href="#">166369</a>		\$12.00							<a href="#">PDF</a>	
<a href="#">148959</a>		\$11.00	3d Cube Connector				n/a		<a href="#">PDF</a>	
<a href="#">166370</a>		\$13.00							<a href="#">PDF</a>	
<a href="#">151217</a>		\$13.00	Angle Connector	40 x 80mm			<a href="#">161067</a>		<a href="#">PDF</a>	
<a href="#">166371</a>		\$16.00							<a href="#">PDF</a>	
<a href="#">151218</a>		\$12.75							<a href="#">161068</a>	<a href="#">PDF</a>
<a href="#">166372</a>		\$16.00								<a href="#">PDF</a>

\*T-Slot Nut **3** also required.

# FATH® T-Slotted Rail Accessories

## Connecting Components - Continued

40 Series Connecting Components - Continued									
Fits		Slot Size 8		<div>40 Series (mm)</div> <div><div>40x40</div><div>40x80</div><div>80x80</div></div>					
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		
<a href="#">151102</a>		\$23.50	Duo Connector	All 40 Series	Steel	n/a	n/a	10	<a href="#">PDF</a>
<a href="#">151103</a>		\$96.00	T-Matic Connector		Zinc plated steel				<a href="#">PDF</a>
<a href="#">151104</a>		\$59.00	Automatic Connector		Steel				<a href="#">PDF</a>
<a href="#">151105</a>		\$9.50	Automatic Butt Connector					<a href="#">PDF</a>	
<a href="#">151106</a>		\$8.50	Milling Connector		Zinc plated steel			<a href="#">PDF</a>	
<a href="#">151109</a>		\$15.50	Connecting Strip					<a href="#">PDF</a>	
<a href="#">162891</a>		\$13.00	Direct Connector		Steel		Fasteners included	1	<a href="#">PDF</a>
<a href="#">162961</a>		\$11.50	Miter Connector		Steel	n/a	M8-1.25 x 8mm set screw (4) included		<a href="#">PDF</a>
<a href="#">162975</a>		\$21.00	Clamp Profile Connector works with <a href="#">162976</a>		Die-cast zinc	<a href="#">161105</a> (2) included with kit	n/a		<a href="#">PDF</a>
<a href="#">162976</a>		\$5.50	Mounting Element works with <a href="#">162975</a>		Steel	n/a	Fasteners included		<a href="#">PDF</a>
<a href="#">163009</a>		\$13.25	Screw Connector	Zinc plated steel	Designer's choice	n/a	10	<a href="#">PDF</a>	
*T-Slot Nut also required.									

\*T-Slot Nut also required.

# FATH® T-Slotted Rail Accessories

## Connecting Components - Continued

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

# FATH® T-Slotted Rail Accessories

## Connecting Components - Continued

Connecting Components Installation	
T-Slot Installation	
<b>Duo Connector</b>	
<b>T-matic Connector</b>	
<b>Automatic Connector</b>	
<b>Automatic Butt Connector</b>	
<b>Milling Connector</b>	
<b>Connecting Strip</b>	

# FATH® T-Slotted Rail Accessories

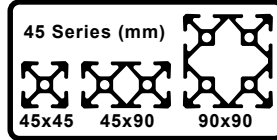
## Connecting Components












- 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



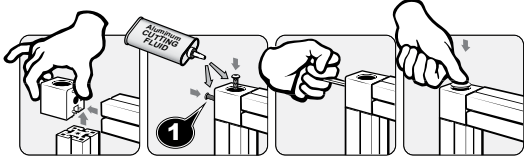
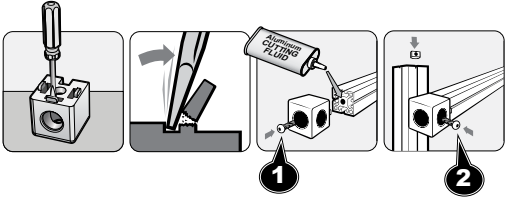
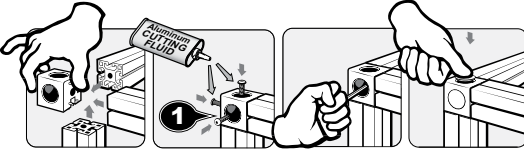
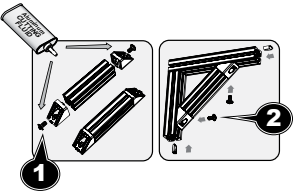
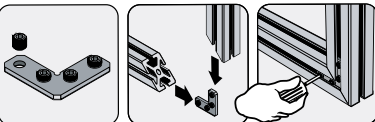
Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number)		Pack Quantity	Drawing Link
						Core Hole Attachment 1	*T-Slot Attachment 2		
<a href="#">148960</a>		\$11.00	2d Cube Connector	45 x 45mm	Die-cast aluminum	<a href="#">161110</a>	<a href="#">161068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

\*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
<b>2D Cube Connector</b> 	
<b>3D Cube Connector</b> 	n/a
<b>Angle Connector</b> 	
<b>Miter Connector</b> 	

# FATH® T-Slotted Rail Accessories

## Connecting Components - Continued

Connecting Components Installation	
T-Slot Installation	
<b>T-matic Connector</b>	<p>Use Torx T50 wrench</p>
<b>Automatic Connector</b>	<p>LH Thread</p>
<b>Automatic Butt Connector</b>	<p>LH RH LH Thread RH Thread</p>
<b>Milling Connector</b>	
<b>Connecting Strip</b>	
<b>Direct Connector</b>	<p>Do not tighten: leave about 1/2 turn so that it slides</p>
<b>Miter Connector</b>	