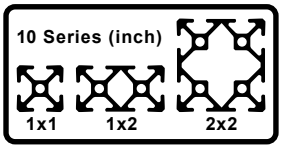
FATH® T-Slotted Rail Accessories

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



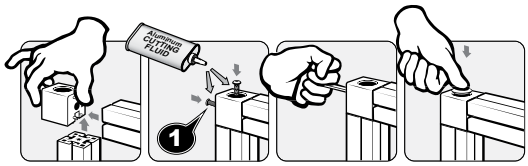
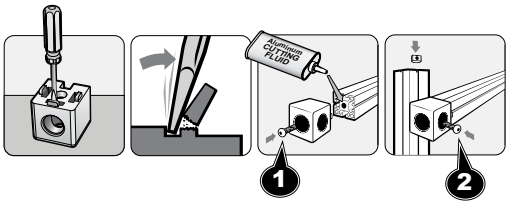
Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment ❶	*T-Slot Attachment ❷	Pack Quantity	Drawing Link
148953		$8.25	2d Cube Connector	1 x 1in	Die-cast aluminum	161103	Socket Head Cap Screw 1/4-20 x 7/16" **	1	PDF
166230		$10.00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

*T-Slot Nut also required.

** Recommended fastener not available from AutomationDirect.com

FATH® T-Slotted Rail Accessories

Connecting Components - Continued

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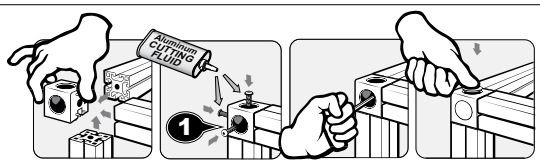
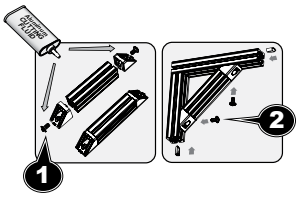
	n/a
Angle Connector	
	
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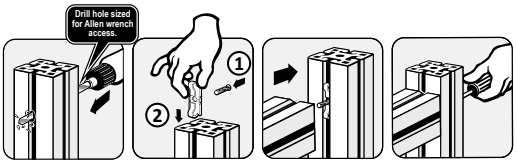
	

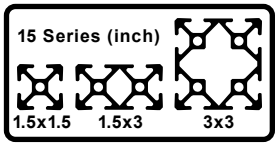
FATH® T-Slotted Rail Accessories

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



Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment 1	Recommended Screw Fastener (ADC Part Number) *T-Slot Attachment 2	Pack Quantity	Drawing Link
148954		$10.00	2d Cube Connector	1.5 x 1.5in	Die-cast aluminum	Fasteners Included (161105)	151100	1	PDF
166302		$12.00				161105			PDF
148957		$11.50	3d Cube Connector						PDF
166303		$13.00							PDF
151107		$7.50	Angle Connector			Fasteners Included (161105)	Fasteners Included (161054 & 162998)		PDF
166304		$8.00				161105	161054		PDF
151108		$11.00		1.5 x 3in		Fasteners Included (161105)	Fasteners Included (161054 & 151099)		PDF
166305		$13.00				161105	161054		PDF
151102		$23.50	Duo Connector	All 15 Series	Steel	n/a	n/a	10	PDF
151103		$96.00	T-Matic Connector		Zinc plated steel				PDF
151104		$59.00	Automatic Connector		Steel			1	PDF

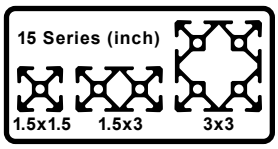
*T-Slot Nut also required.

FATH® T-Slotted Rail Accessories

Connecting Components - Continued

15 Series Connecting Components - Continued

Fits Slot Size 8



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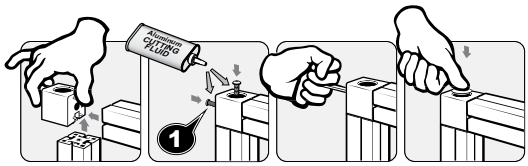
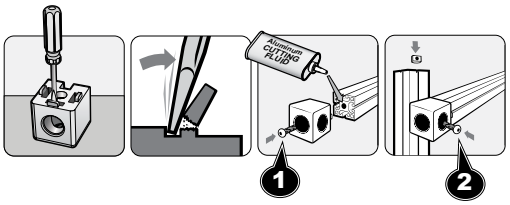
151105		$9.50	Automatic Butt Connector	All 15 Series	Steel	n/a	n/a	1	PDF
151106		$8.50	Milling Connector		Zinc plated steel				PDF
151109		$15.50	Connecting Strip						PDF
162891		$13.00	Direct Connector		Steel		Fasteners included		PDF
162961		$11.50	Miter Connector		Steel		M8-1.25 x 8mm set screw (4) included		PDF
163009		$13.25	Screw Connector	1.5 x 1.5in	Zinc plated steel		Designer's choice	10	PDF

*T-Slot Nut also required

FATH® T-Slotted Rail Accessories

Connecting Components - Continued

Connecting Components Installation	
Core Hole Installation	***T-Slot Installation***
2D Cube Connector	
	
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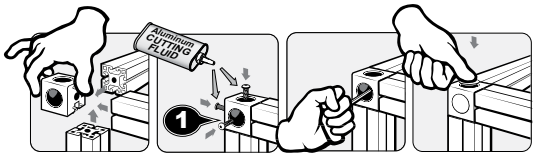
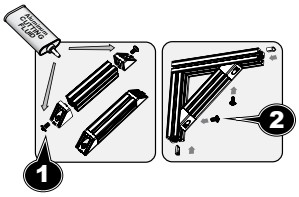
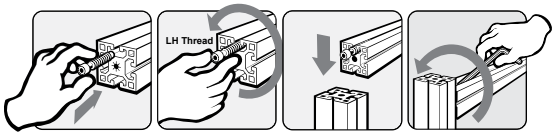
	n/a
Angle Connector	
	
Duo Connector	
n/a	

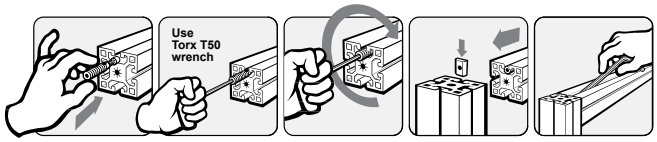
FATH® T-Slotted Rail Accessories

Connecting Components - Continued

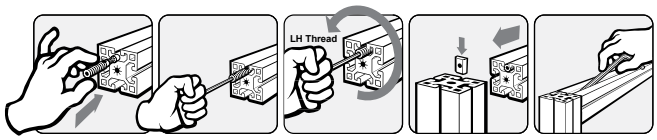
Connecting Components Installation

T-Slot Installation

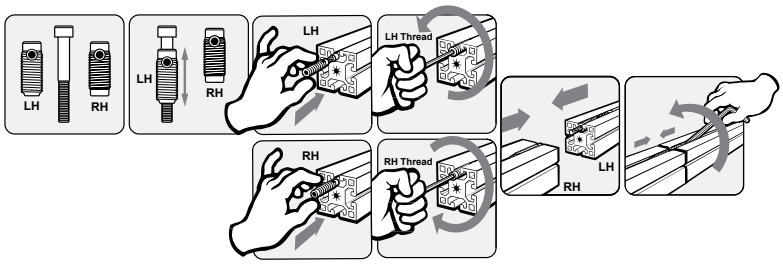
T-matic Connector



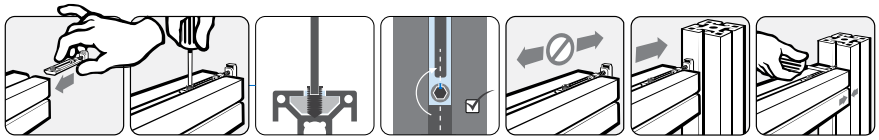
Automatic Connector



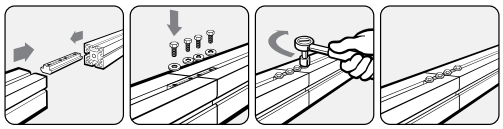
Automatic Butt Connector



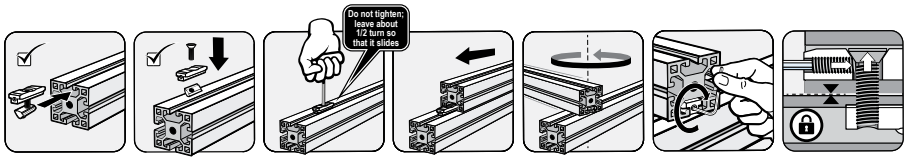
Milling Connector



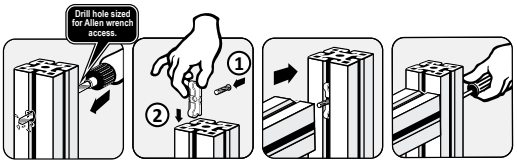
Connecting Strip



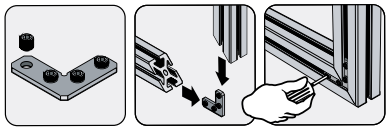
Direct Connector



Screw Connector



Miter Connector



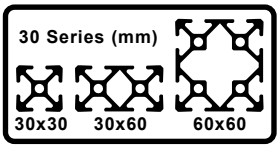
FATH® T-Slotted Rail Accessories

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

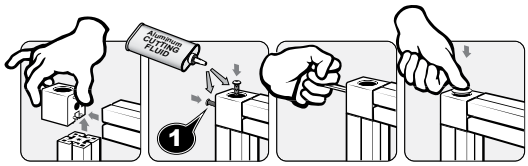
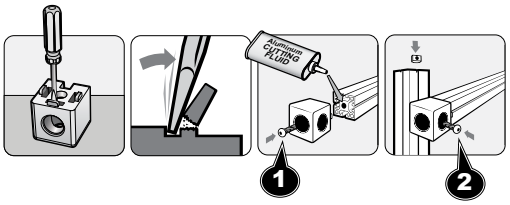


Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment 1	*T-Slot Attachment 2	Pack Quantity	Drawing Link
151185		$9.50	2d Cube Connector	30 x 30mm 30 x 60mm 60 x 60mm	Die-cast aluminum	Fasteners Included (161085)	161083	1	PDF
151186		$10.00	3d Cube Connector			161085	n/a		PDF
151187		$5.75	Angle Connector	30 x 30mm		151241 Requires manually tapping core hole to M8-1.25 x 20 DP	161066		PDF
151188		$9.75		30 x 60mm					PDF
162961		$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		PDF
163008		$10.75	Screw Connector		Zinc plated steel	Designer's choice	n/a	10	PDF

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

FATH® T-Slotted Rail Accessories

Connecting Components - Continued

Connecting Components Installation	
Core Hole Installation	***T-Slot Installation***
2D Cube Connector	
	
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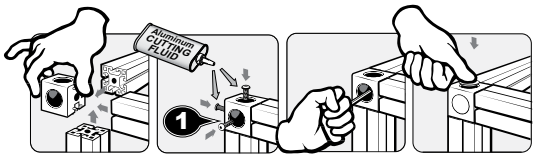	n/a
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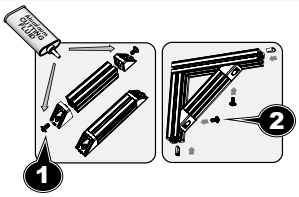	
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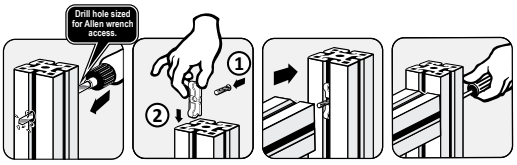	
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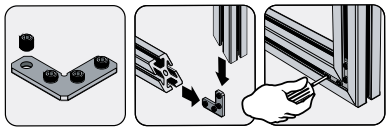
	

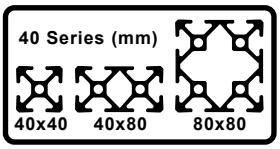
FATH® T-Slotted Rail Accessories

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) Core Hole Attachment 1	*T-Slot Attachment 2	Pack Quantity	Drawing Link
148958		$10.00	2d Cube Connector	40 x 40mm	Die-cast aluminum	161105	161085	1	PDF
166369		$12.00							PDF
148959		$11.00	3d Cube Connector				n/a		PDF
166370		$13.00							PDF
151217		$13.00	Angle Connector				161067		PDF
166371		$16.00							PDF
151218		$12.75		40 x 80mm			161068		PDF
166372		$16.00							PDF

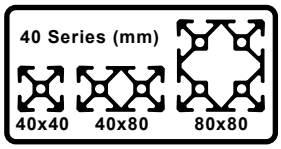
*T-Slot Nut 3 also required.

FATH® T-Slotted Rail Accessories

Connecting Components - Continued

40 Series Connecting Components - Continued

Fits Slot Size 8



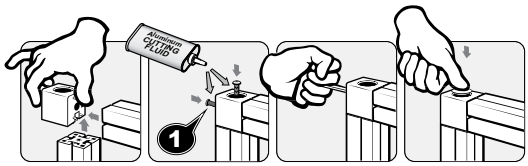
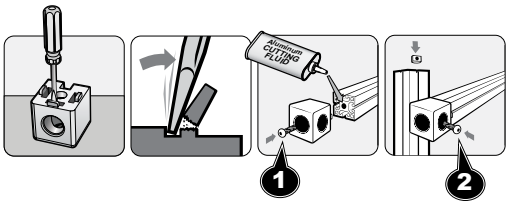
Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment 1	*T-Slot Attachment 2	Pack Quantity	Drawing Link
151102		$23.50	Duo Connector	All 40 Series	Steel	n/a	n/a	10	PDF
151103		$96.00	T-Matic Connector		Zinc plated steel				PDF
151104		$59.00	Automatic Connector		Steel				PDF
151105		$9.50	Automatic Butt Connector					1	PDF
151106		$8.50	Milling Connector		Zinc plated steel				PDF
151109		$15.50	Connecting Strip						PDF
162891		$13.00	Direct Connector		Steel		Fasteners included		PDF
162961		$11.50	Miter Connector		Steel	n/a	M8-1.25 x 8mm set screw (4) included		PDF
162975		$21.00	Clamp Profile Connector works with 162976		Die-cast zinc	161105 (2) included with kit	n/a		PDF
162976		$5.50	Mounting Element works with 162975		Steel	n/a	Fasteners included		PDF
163009		$13.25	Screw Connector		Zinc plated steel	Designer's choice	n/a	10	PDF

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

FATH® T-Slotted Rail Accessories

Connecting Components - Continued

Connecting Components Installation

Core Hole Installation	T-Slot Installation
2D Cube Connector	
	
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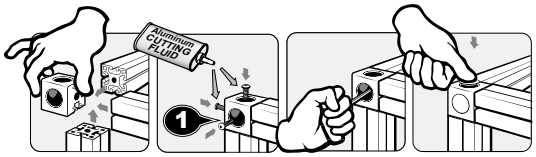	n/a
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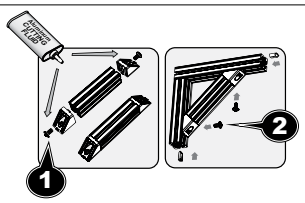	
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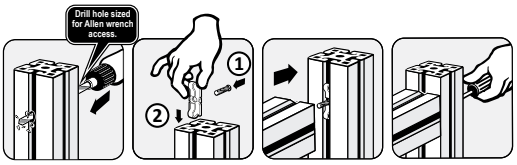	
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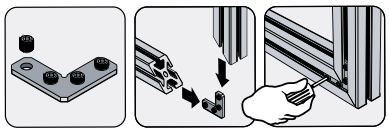	
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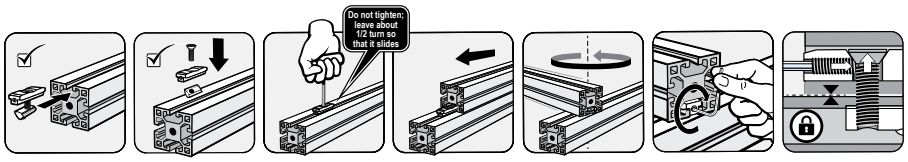	
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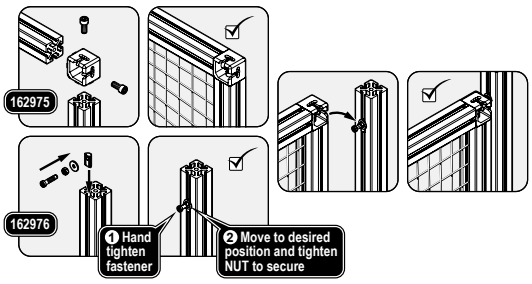
	

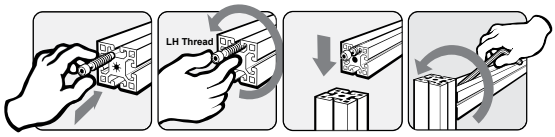
FATH® T-Slotted Rail Accessories

Connecting Components - Continued

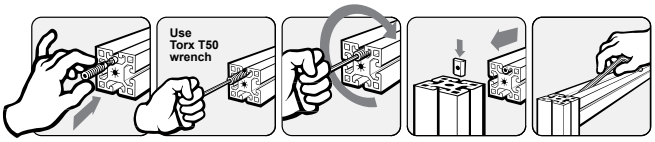
Connecting Components Installation

T-Slot Installation

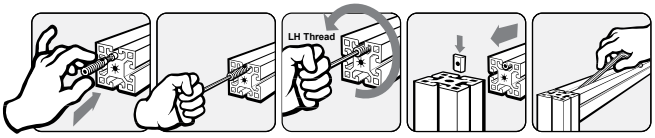
Duo Connector



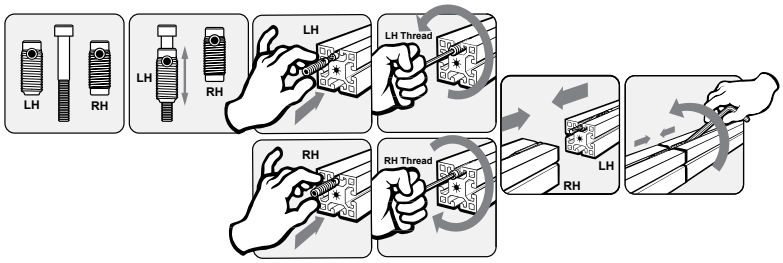
T-matic Connector



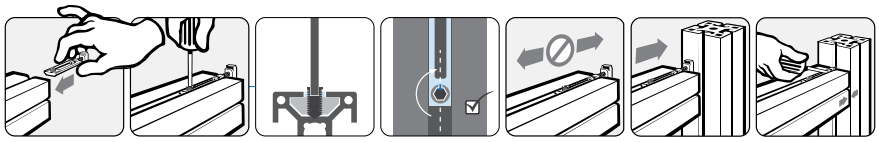
Automatic Connector



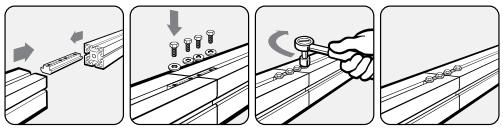
Automatic Butt Connector



Milling Connector



Connecting Strip



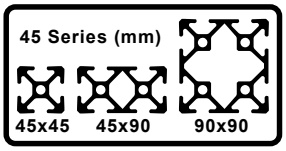
FATH® T-Slotted Rail Accessories

Connecting Components

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

45 Series Connecting Components

Fits Slot Size 10

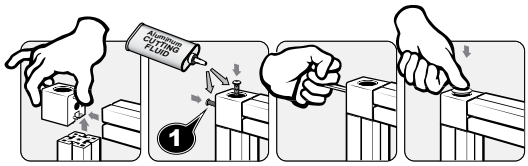
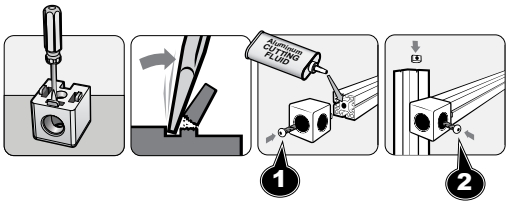
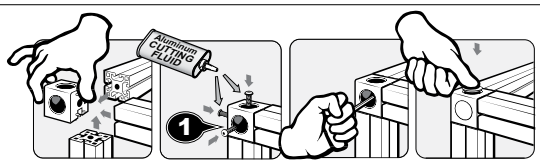
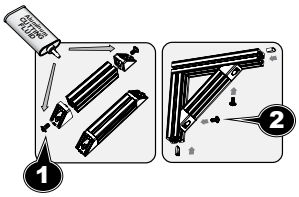
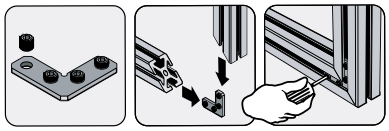


Part Number	Part Image	Price	Description	Fits Profile	Material	Recommended Screw Fastener (ADC Part Number) Core Hole Attachment 1	*T-Slot Attachment 2	Pack Quantity	Drawing Link
148960		$11.00	2d Cube Connector	45 x 45mm	Die-cast aluminum	161110	161068	1	PDF
148961		$11.00	3d Cube Connector			Fasteners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

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

FATH® T-Slotted Rail Accessories

Connecting Components - Continued

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

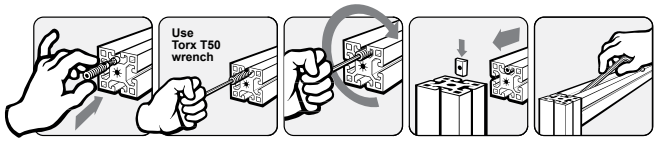
FATH® T-Slotted Rail Accessories

Connecting Components - Continued

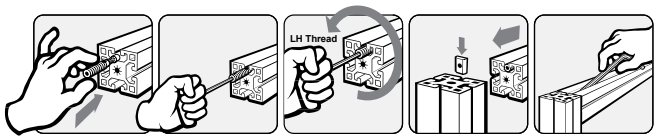
Connecting Components Installation

T-Slot Installation

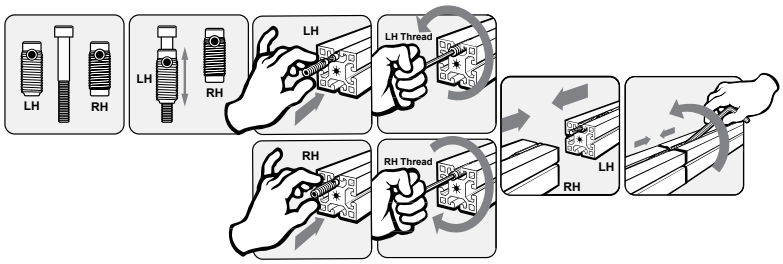
T-matic Connector



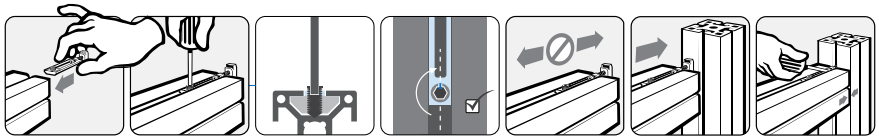
Automatic Connector



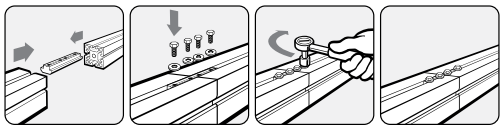
Automatic Butt Connector



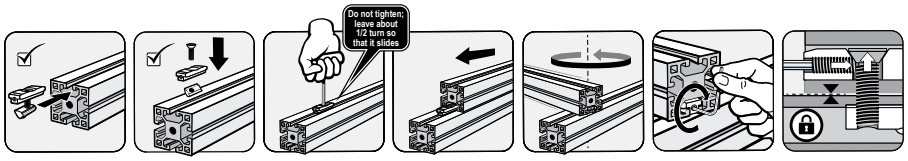
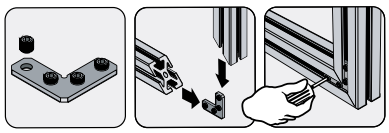
Milling Connector



Connecting Strip



Direct Connector



Miter Connector