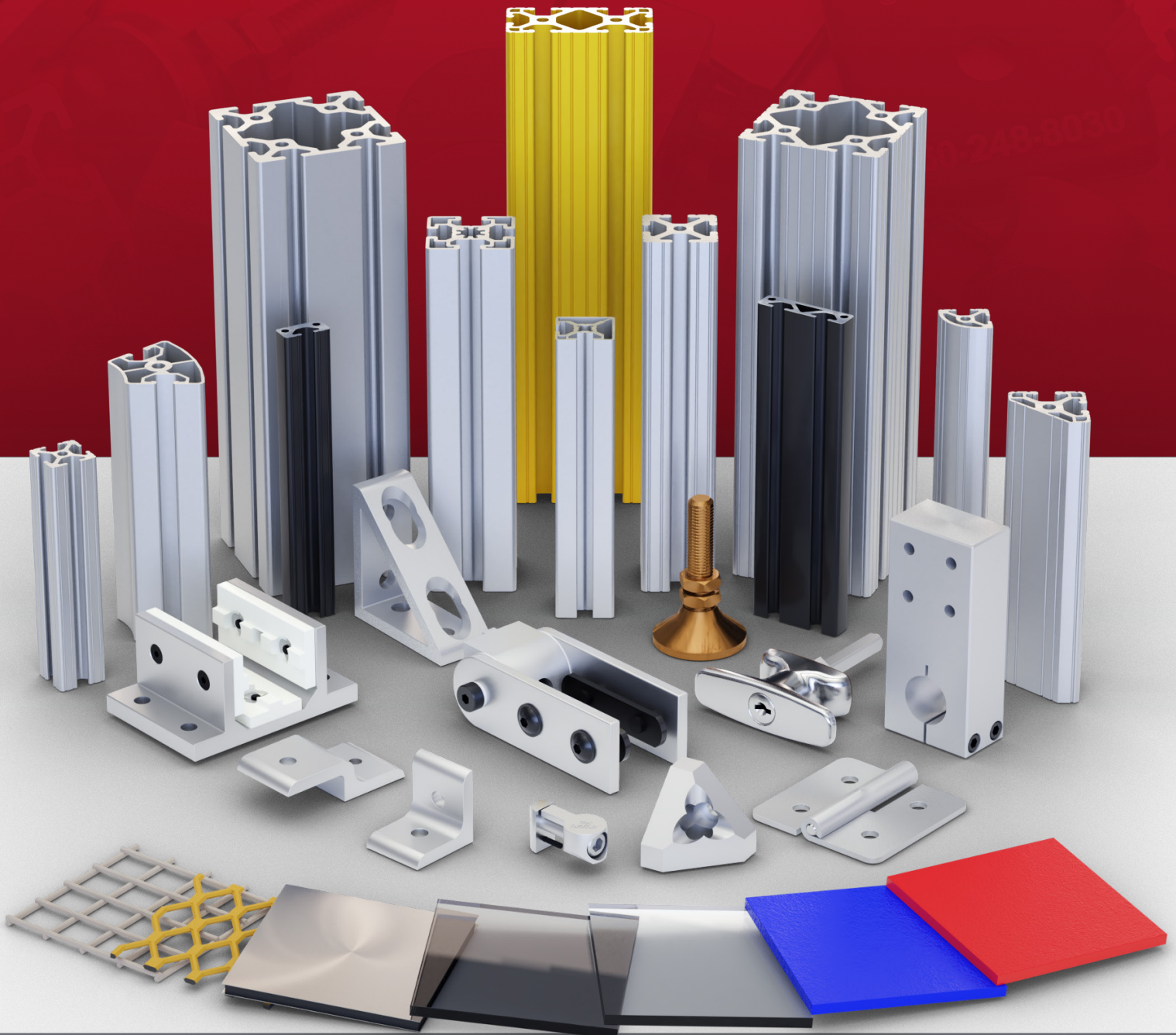




**AUTOMATION
& FACTORY
SOLUTIONS**



Authorized Distributor of



PROFILES • FASTENERS • PANELS • CASTERS • BEARINGS

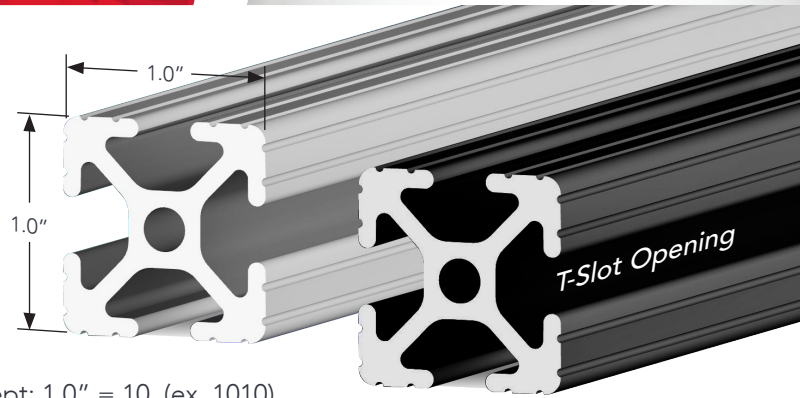
Full Product Offering Available at 8020.net

T-Slotted Profiles



**AUTOMATION
& FACTORY
SOLUTIONS**

The 80/20 t-slotted profile offering includes over 100 different types to choose from over 7 series. Each and every profile is available in clear and black anodize along with safety yellow powder coat in selection profiles. Profile shapes include radius, angled, closed faced and larger profile sizes for heavy duty applications. A vast majority of profiles are in stock for fast delivery. Profiles are available in 120", 242", 3M, 6.050M and cut-to-length.



U - Ultra L - Lite S - Smooth Part Numbering Concept: 1.0" = 10 (ex. 1010)

10

1" T-Slot Profiles - 10 Series

T-Slot Size - .236" / 6mm



1" x 1"
1010
1010-S



1" x 1"
1012
1012-S



1" x .5"
1050



2" x .5"
2012



1" x 1"
1001
1001-S



1" x 1"
1002
1002-S



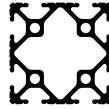
1" x 1"
1003
1003-S



1" x 1"
1004
1004-S



1" x 2"
1020
1020-S



2" x 2"
2020
2020-S



1" x 3"
1030
1030-S



2" x 4"
2040
2040-S

15

1.5" T-Slot Profiles - 15 Series

T-Slot Size - .315" / 8mm



1.5" x 1.5"
1515
1515-S



1.5" x 1.5"
1515-Lite
1515-LS



1.5" x 1.5"
1515-UL
1515-ULS



1.5" x 1.5"
1517
1517-LS



1.5" x 1.5"
1501
1501-LS



1.5" x 1.5"
1502
1502-LS



1.5" x 1.5"
1503
1503-LS



1.5" x 1.5"
1504
1504-LS



1.5" x 1.5"
1547



1.5" x .75"
1534-Lite



3.0" x .75"
3034-Lite



1.5" x .75"
1575



3.0" x .75"
3075



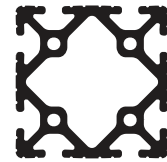
1.5" x 3.0"
1530
1530-S



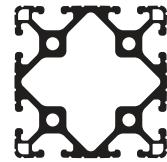
1.5" x 3.0"
1530-Lite
1530-LS



1.5" x 3.0"
1530-UL
1530-ULS



3.0" x 3.0"
3030
3030-S



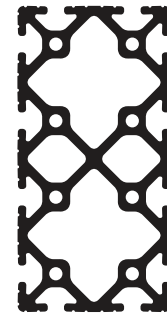
3.0" x 3.0"
3030-Lite
3030-LS



1.5" x 4.5"
1545
1545-S



1.5" x 4.5"
1545-LS



3.0" x 6.0"
3060

20

20mm T-Slot Profiles - 20 Series

T-Slot Size - 5mm / .197"



20mm x 20mm
20-2020



20mm x 40mm
20-2040



40mm x 40mm
20-4040

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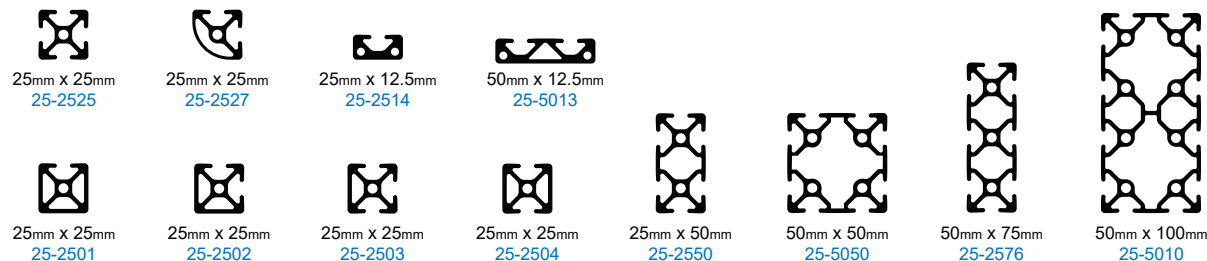


80/20
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25

25mm T-Slot Profiles - 25 Series

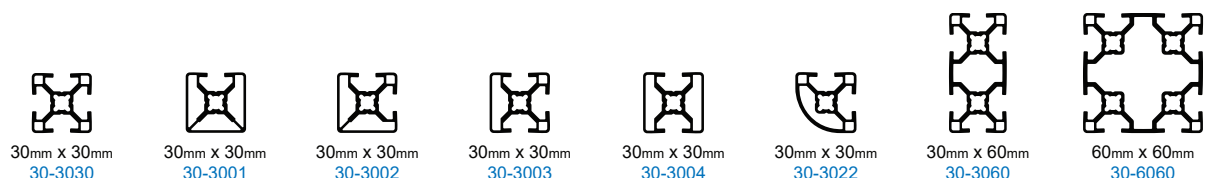
T-Slot Size - 6mm / .236"



30

30mm T-Slot Profiles - 30 Series

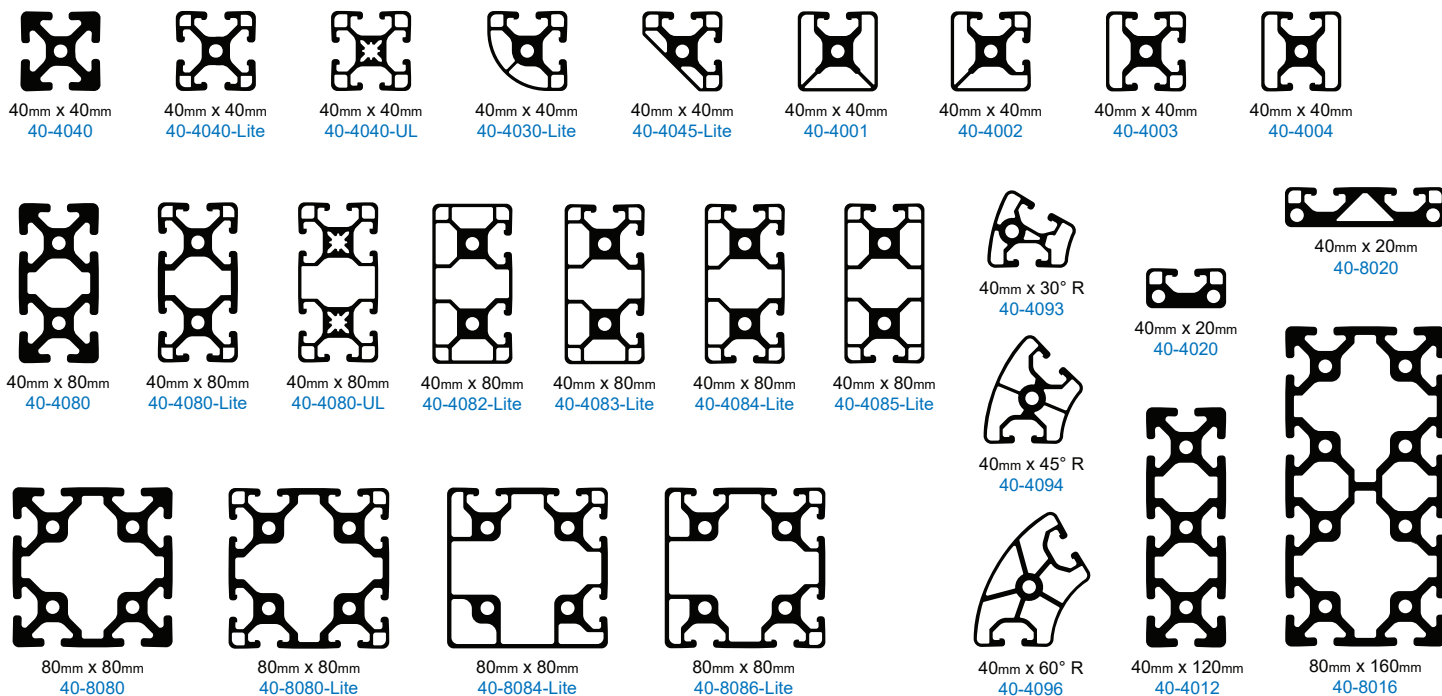
T-Slot Size - 8mm / .315"



40

40mm T-Slot Profiles - 40 Series

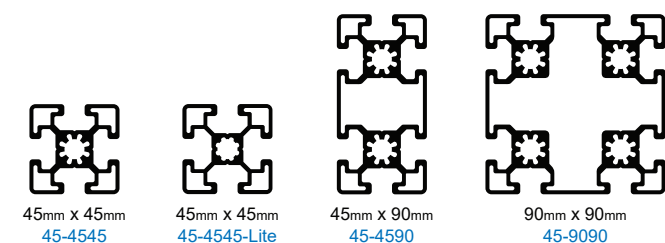
T-Slot Size - 8mm / .315"



45

45mm T-Slot Profiles - 45 Series

T-Slot Size - 10mm / .394"



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Fasteners/Hardware/Panels



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 No Machining Required

*Black Anodize Options

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Internal Fasteners (commonly recessed in profile T-slot)



Anchor Fasteners



End Fasteners



Central Connectors



Inside Corner Connector



Hidden Corner Connector

External Fasteners (commonly mounts to profile T-slot)



Flat Plates*



Brackets & Gussets*



3-Way Corner Connectors



Pivot Joint



Pivot Hinges*

Hardware



Screws



Slide-In T-Nuts



Drop-In T-Nuts



Roll-In T-Nuts

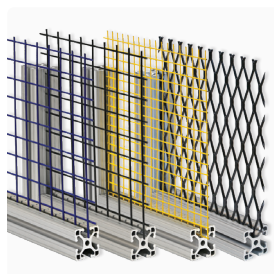


Drop-In T-slot Stud

Panels



Panels



Wire Mesh



Plates & Tabletops



Panel/Wire Mesh Retainers



Panel Mount Blocks

No Machining Required

*Black Anodize Options

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Doors, Hinges & Handles



Door Glides & Track*



Hinges*



Roller Wheels*



Handles



Latches

Casters & Leveling Feet



Casters



Leveling Feet



Floor Locks



Floor Mounts*



Base Plates*

Linear Bearings, Pivots & Stanchions



Linear Bearings*



Unibearings*



Dynamic Pivots*



Pivot Bracket Assemblies*



Stanchions*

Accessories



45 Degree Supports*



End Caps & T-Slot Covers



Wire Management



Lift Systems



Pressure Manifolds*

Anchor Fastener

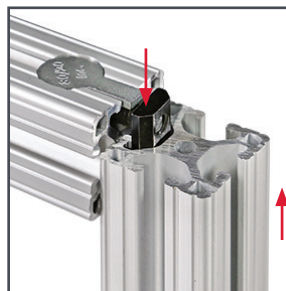
Counterbore Machining Required



Step #1: Anchor fasteners come pre-assembled. Slightly loosen the nut and bolt.



Step #2: Load anchor fastener into the counterbore hole. Position the T-nut with the offset hole oriented to top of the fastener.



Step #3: While holding the anchor fastener in the counterbore hole, slide the mating profile into place.



Step #4: Square and align the mating profile. Using a T-wrench, tighten the SHCS in a clockwise motion until the profiles are securely affixed.

End Fastener

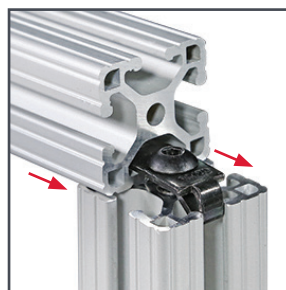
Access Hole & End Tap Machining Required



Step #1: Pre-assemble by placing the BHSCS through the hole in the wing clip as shown in the photo at left.



Step #2: Orient the wing clip in the direction of the mating profile's T-slot. Loosely screw the BHSCS into the tapped hole of the mounting profile (**Do NOT fully tighten**).



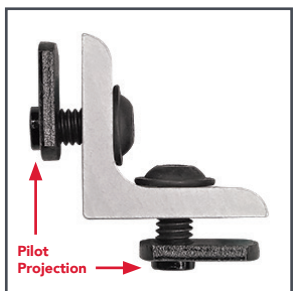
Step #3: Slide the mating profile into place. When aligned, the access hole on the mating profile should align with the BHSCS.



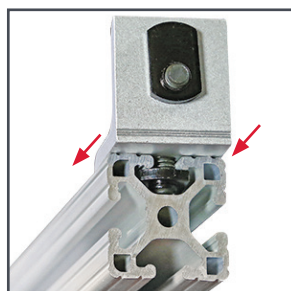
Step #4: Place a T-wrench into the access hole until the wrench head inserts into the BHSCS. Tighten clockwise until secure.

Bracket & Gusset

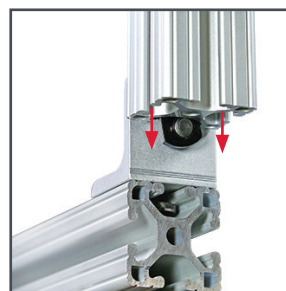
No Machining Required



Step #1: Pre-load the bracket by placing the FBHSCS through the pre-drilled holes and screw into the T-nuts. (**Face pilot projection on T-nut away from the bracket.**)



Step #2: Slide the bracket into the T-slots of one profile (**Do NOT fully tighten**).



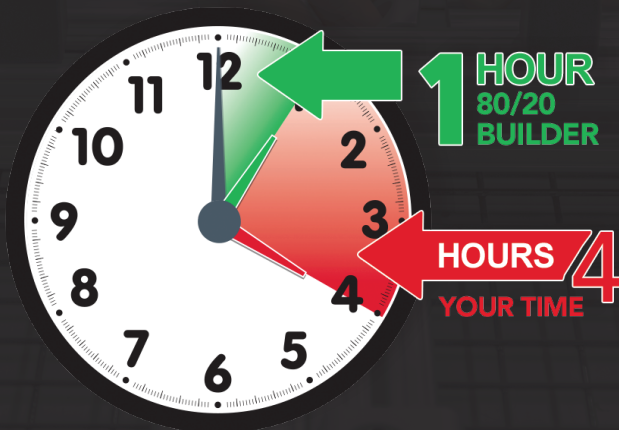
Step #3: Slide the mating profile onto the bracket; square and align both profiles.



Step #4: Using a T-wrench, tighten all FBHSCS until the connection is secure.

80/20 Builds

Choose to have your build preloaded, subassembled or fully assembled by an 80/20 builder.



Custom Packaging

Have your product arrive specific to your needs and save time with additional labeling.

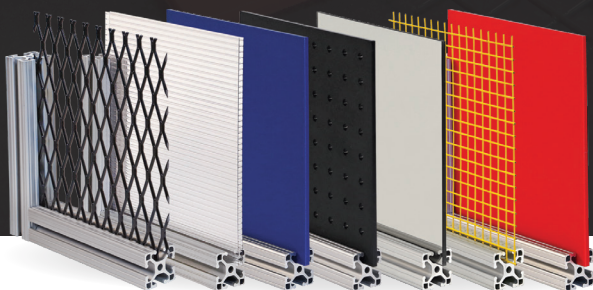
- Kit Packaging
- Part Packing
- Bubble Wrapping
- Bar-Coding
- Part-Tagging
- Unmarked Boxes



Panel Shop

Over 100 types of plastic panels, aluminum plates, and wire mesh all machined in-house.

- Cut to Size
- Custom Designs
- Engraving
- Lettering
- Recessing
- Perforating
- Notch for Hardware



Custom Machining

Not on the shelf? Complete your project with specific custom parts sourced and machined in-house. No part too big or too small and no minimums required for what you need.



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Mobile Workstations
Machine Safety Guards
Laboratory Enclosures
Hydraulic Lifts
Robotic Arms
Machine Frames

Conveying Systems
Modular Work Cells
Flow Racks
Displays
Pick and Place Systems
Clean Room Enclosures

Data Centers
Vehicle Outfitting
Miter Saw Stand
Office Furniture
Racing Simulator
Much More!



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