



80/20[®]

BUILD YOUR IDEA

Product & Services Overview



**AUTOMATION
& FACTORY
SOLUTIONS**



Authorized Distributor of



80/20[®]
BUILD YOUR IDEA

Core Components for Configured Modular Solutions

Full Product Offering Available at 8020.net



Authorized
Distributor

Custom Modular Solutions

Integrate Into Existing Structures or Build Entirely New

The 80/20 system is a T-slot aluminum building framework that includes a diverse range of profiles (or extrusions), fasteners, panels, and various add-on components and accessories. Its design allows for straightforward assembly and offers significant flexibility.

80/20 T-slot profiles offer significant advantages. The 80/20 profile system allows for custom, modular solutions that can be easily expanded, scaled down, or reconfigured as your needs change.



Learn More
and Shop
80/20 Products
at 8020.net

80/20 Product Offering

- Framing Solutions
- Panels & Doors
- Casters & Feet
- Structural Shapes
- Motion Systems
- Add-On Components
- Accessories
- Machining Services
- Tools



T-Slot Connection

T-slot profiles are lightweight and durable, enabling strong, adjustable connections with basic tools.



Design Your Project With 80/20

Free Software to Kick-Start Your Planning Process

80/20 provides a range of free tools, libraries, and drawing files to simplify the design and enhancement of your 80/20 projects. These resources also facilitate the integration of 80/20 products into your existing designs.



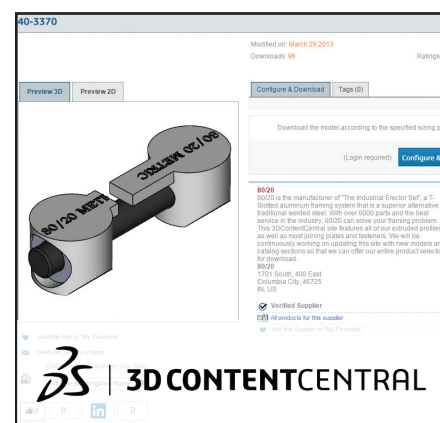
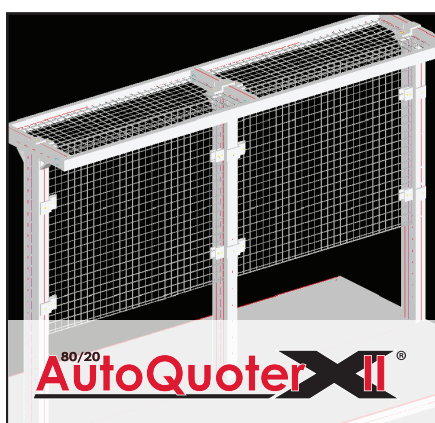
A Free Web-Based Tool Ideal for All Experience Levels

IdeaBuilder is a standalone software that requires no download. It allows users to create in minutes, making it accessible for designers of all experience levels. Simply choose a profile and use the click-and-drag interface to get started.



Additional 80/20 Design Resources

80/20 provides plug-ins for widely used licensed software, including AutoQuoterX II® for AutoCAD® and AutoQuoterSW® for SolidWorks®. Additionally, 3D Content Central offers a comprehensive library of 2D and 3D file types for 80/20 profiles, fasteners, and accessories.





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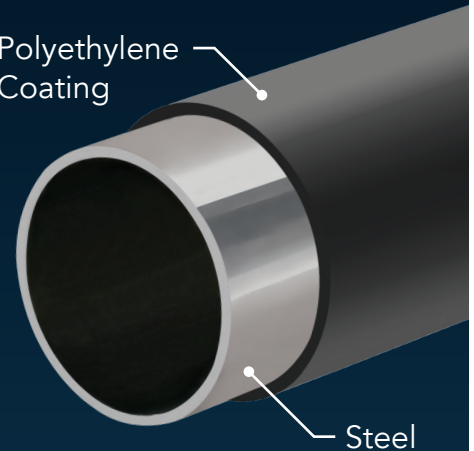


Pipe & Joint Modular Solutions

The Flexpipe modular system offers a versatile and adaptable solution for your material handling needs. Easy to assemble with simple hand tools, it allows for quick modifications and expansions. The system's low-cost and durable design makes it an ideal choice for optimizing your processes and reducing equipment expenses.

Flexpipe offers steel pipes coated with colored polyethylene and have a 1.0625" (28mm) external diameter. Pipes are joined together using joint sets in various configurations.

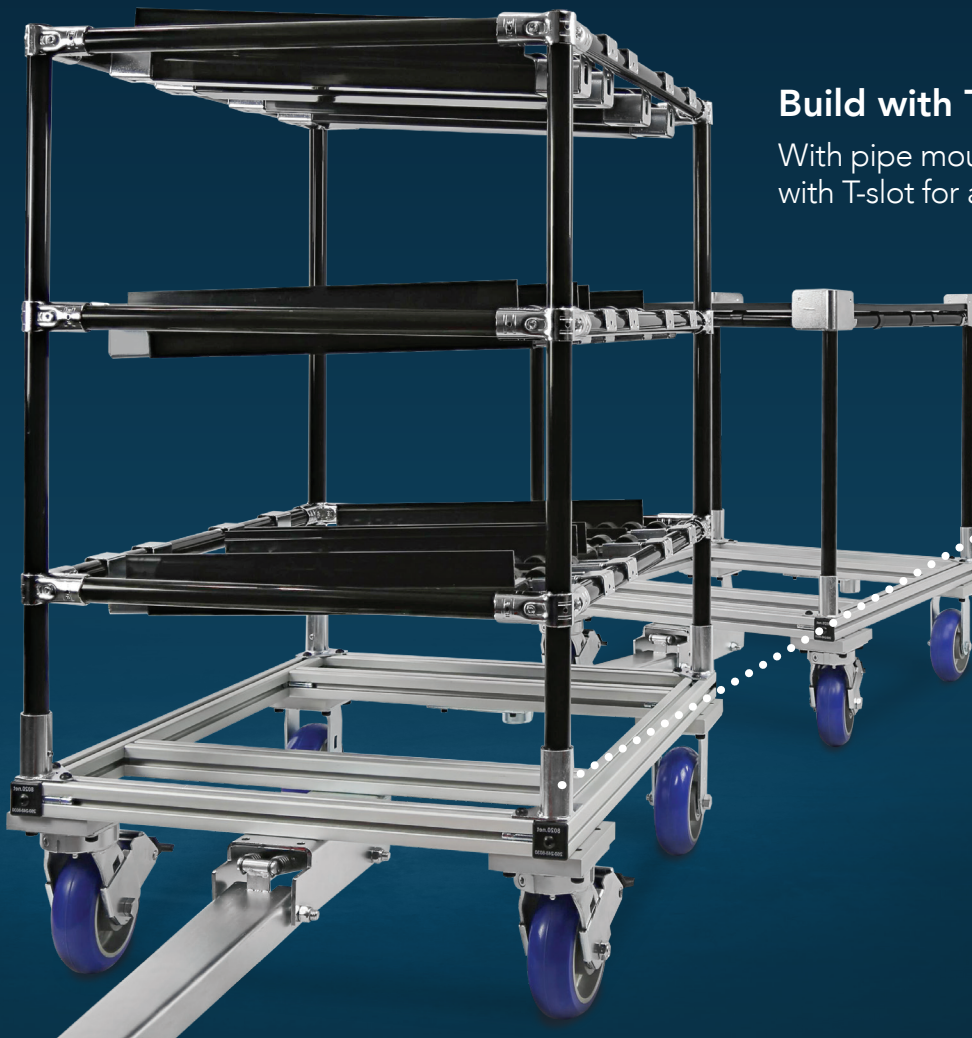
Polyethylene
Coating



Steel

Build with T-slot & Pipe Together

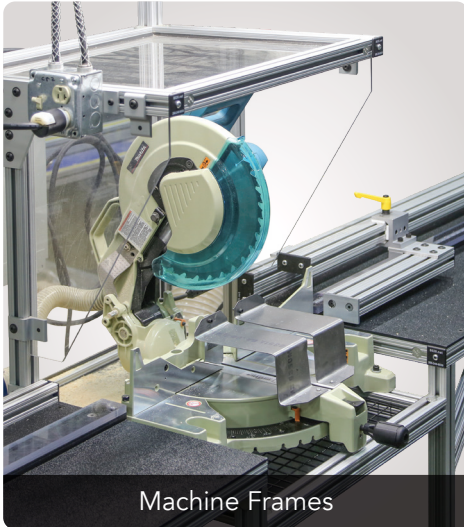
With pipe mounts, pipes can be joined with T-slot for a unified hybrid solution.



flexpipeinc.com

What's Made with 80/20?

Configured Modular Solutions Across a Variety of Industries



Machine Frames



Safety & Guarding



Research & Development



Workstations



Material Handling



Robotics



Automation



Facilities



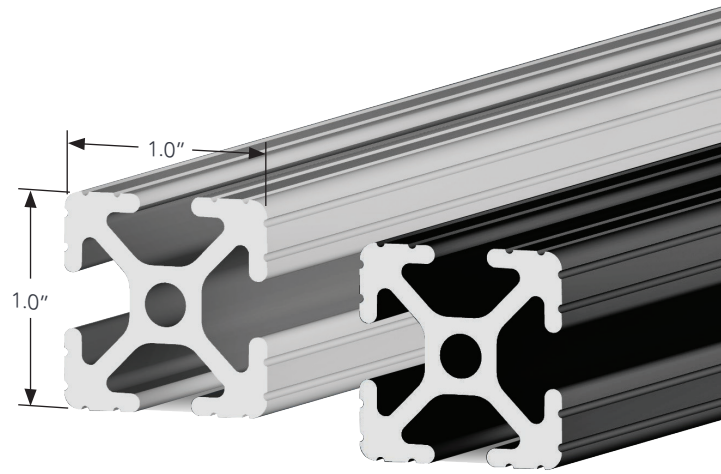
Lean Manufacturing



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Aluminum T-Slot Profiles

The 80/20 profile offering includes over 100 different types to choose from. Every profile is available in clear and black anodize along with safety yellow powder coat in select 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.



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

10

1" T-Slot Profiles - 10 Series

T-Slot Size - 1/4" / 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



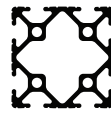
1" x 1"
1003
1003-S



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 - 5/16" / 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



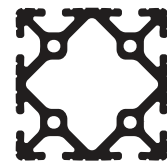
1.5" x 3.0"
1530
1530-S



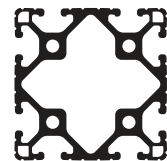
1.5" x 3.0"
1530-Lite
1530-LS



1.5" x 3.0"
1530-UL
1530-ULS



3.0" x 3.0"
3030
3030-S



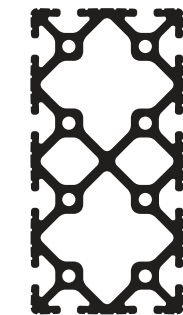
3.0" x 3.0"
3030-Lite
3030-LS



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



20mm x 20mm
20-2020

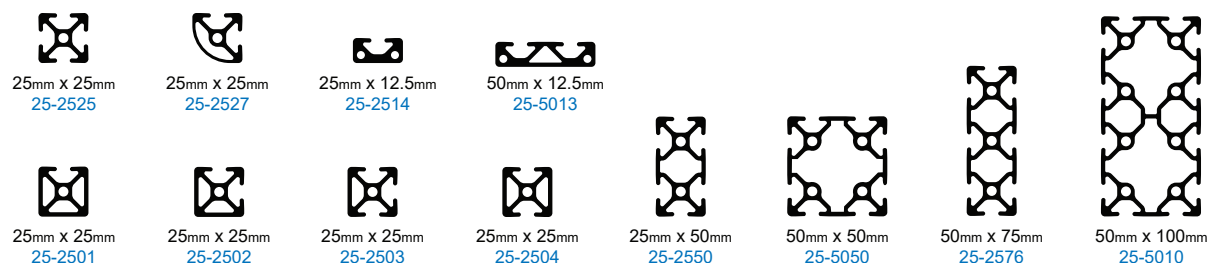


20mm x 40mm
20-2040

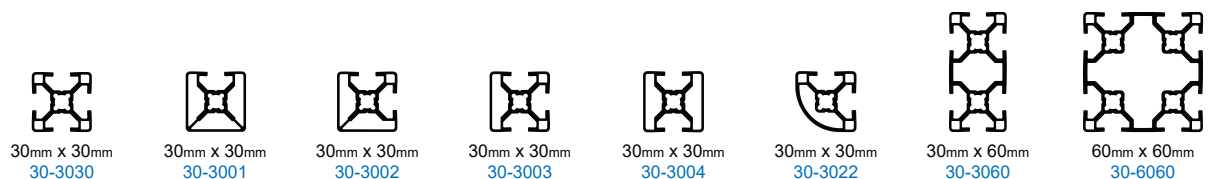


40mm x 40mm
20-4040

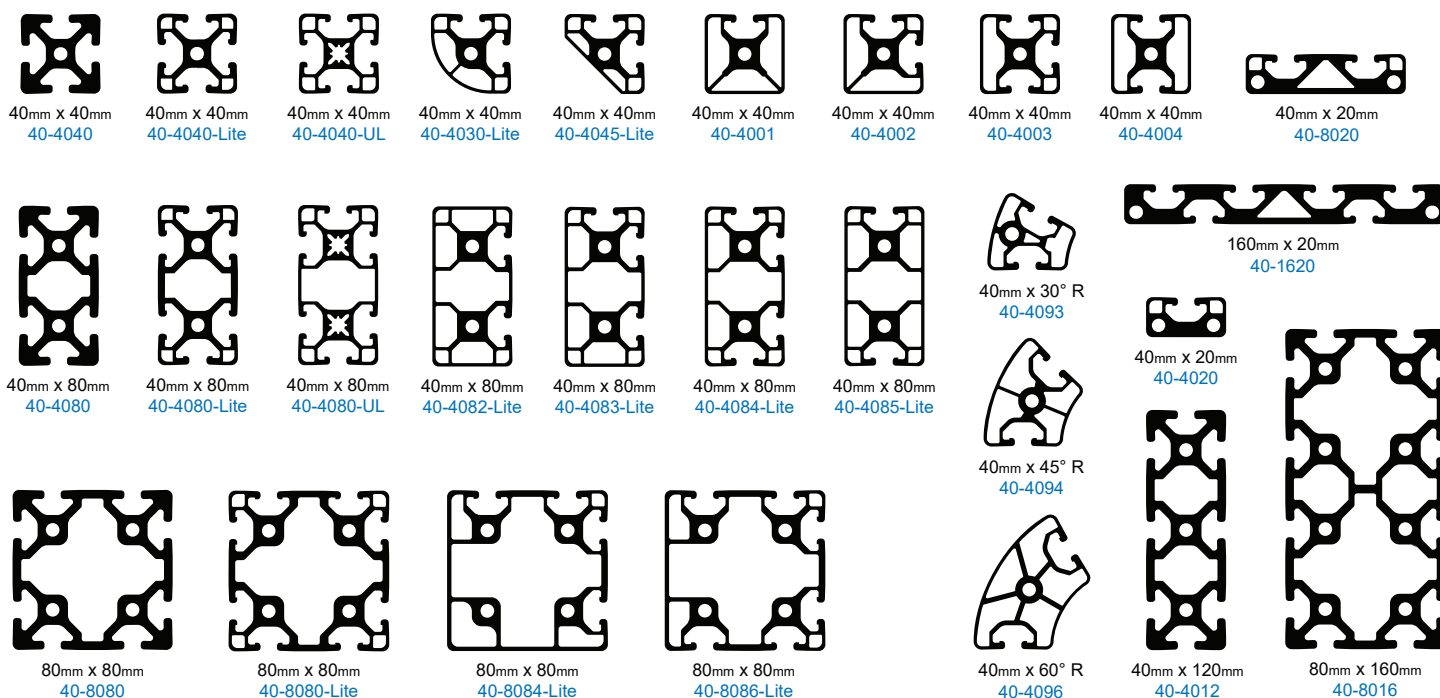
25 25mm T-Slot Profiles - 25 Series T-Slot Size - 6mm



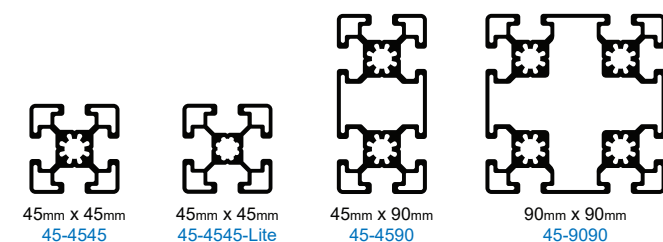
30 30mm T-Slot Profiles - 30 Series T-Slot Size - 8mm



40 40mm T-Slot Profiles - 40 Series T-Slot Size - 8mm



45 45mm T-Slot Profiles - 45 Series T-Slot Size - 10mm





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No Machining Required

*Black Anodize Options

Framing Options



Aluminum
T-Slot Profiles



Ready Tube
Profiles



Quick Frame
Profiles



Pipes
& Joints



Need a Custom Part?
Let Us Help!

8020.net/custom-machining

Internal Fasteners (commonly recessed in profile T-slot)



Anchor
Fasteners*



End
Fasteners



Central
Connectors



T-Matic
Connectors



Inside Corner
Connectors



Miter
Connectors



Hidden Corner
Connectors

External Fasteners (commonly mounts to profile T-slot)



Flat
Plates*



Inside Corner
Brackets*



Gusset Corner
Brackets*



Transition Plates
& Brackets*



3-Way Corner
Connectors



Pivot
Joints



Pivot
Hinges*

Hardware



Screws



Slide-In T-Nuts



Drop-In T-Nuts



Roll-In T-Nuts



Drop-In T-Slot Studs



Washers



Hex Nuts

Alternative Framing Fasteners



Ready Tube
Inserts



Quick Frame
Connectors



Pipe
Joint Sets



Pipe
Mounts

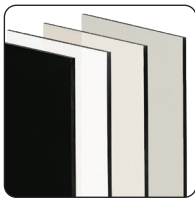


Need Assembly Help?
80/20 Can Save You Time

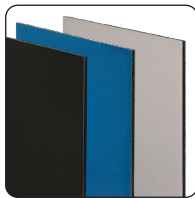
8020.net/8020-builds

*Black Anodize Options

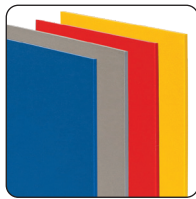
Panels & Mesh



Acrylic &
Polycarbonate



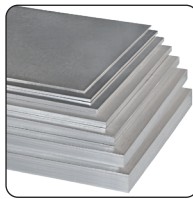
Aluminum
Composite



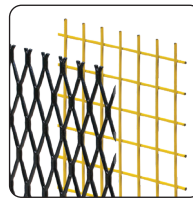
HDPE



Plates &
Tabletop



Solid Aluminum
Plates



Expanded Metal
& Wire Mesh

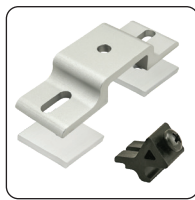


Framed
Wire Mesh

Panel & Mesh Components



Panel
Retainers*



Mesh
Retainers*



Panel Mount
Blocks*



Panel
Gasket



Panel
Stiffener*



Wire
Edge

Door Components



Door
Glides & Tracks



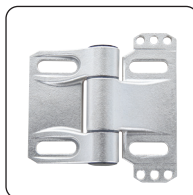
Roller
Wheels



Lift-Off
Hinges*



Plastic
Hinges



Heavy-Duty
Hinges



Handles



Latches

Casters & Feet



Stem
Casters



Flanged
Casters



Leveling
Casters



Leveling
Feet



Floor
Locks



Floor
Mounts*



Base
Plates*

Bearings, Pivots & Stanchions



Linear
Bearings*



Unibearings*



Dynamic
Pivots*



Pivot Bracket
Assemblies*



Stanchions*



Bearing
Pads



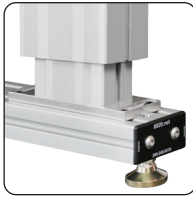
L-Handles



Motion Systems



Steel Roller
Tracks



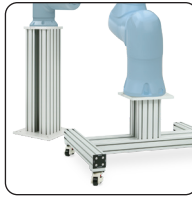
Column
Lift System



Electric
Lift System



Robot
Mounting Plates



Robot Static &
Mobile Pedestals



Workstation
Kit

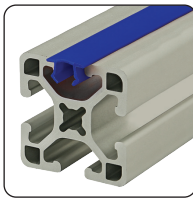


Robot Cart
Kit

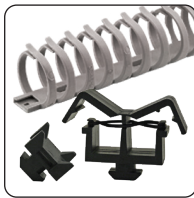
Accessories



Profile
End Caps



Profile
T-Slot Covers



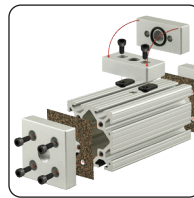
Wire Clips,
Clamps & Housing



Drawer
Slides



Monitor
Mounts



Pressure
Manifolds



Safety & Workspace
Lighting

Structural Shapes



Flat Stock
Profiles*



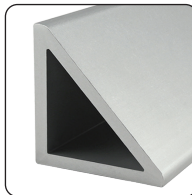
Block
Profiles*



Square/Rectangular
Tube Profiles*



Angle
Profiles*



Gusset
Profiles*



Retainer
Profiles*



Panel Mount
Block Profiles*

Tools



Ball Driver & "L"
Wrench Set



"T" Ball End
Hex Wrenches



Ball End
Hex Drivers



Combination
Wrenches



Soft Face
Mallet



Pipe Cutter



Drill
Bits

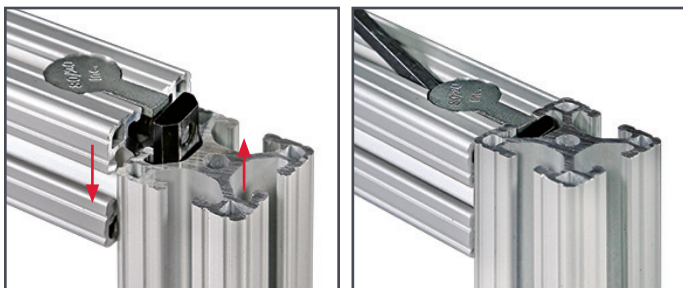
Vast Offering of Standard Machining Services

80/20 offers an extensive range of over 500 standard machining services for profiles, fasteners, panels and accessories. Whether you need a single part or a hundred, we have the capacity to meet your needs with high-quality, precise products.



Anchor Fastener

Counterbore Machining Required

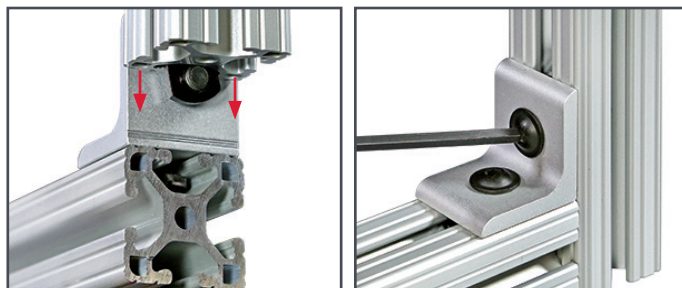


One of the strongest internal fasteners, the connection is made up of a screw, cam and T-nut. After a counterbore machining, the preassembled fastener is installed with the T-nut slightly loosened and slid on the mating profile.



Bracket & Gusset

No Machining Required

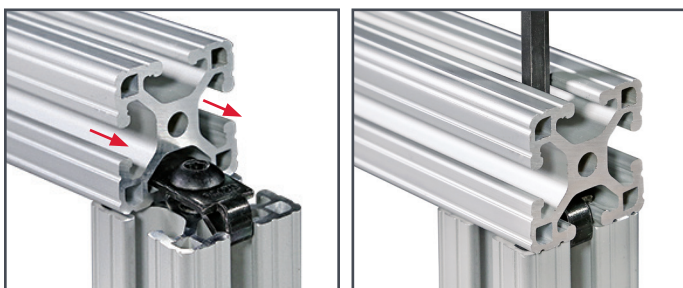


A large selection, brackets and gussets offer a strong external connection that can be reconfigured. Installation is simple with bolts and T-nuts preloaded on brackets then connected to profiles utilizing the T-slot channel.



End Fastener

Access Hole & End Tap Machining Required

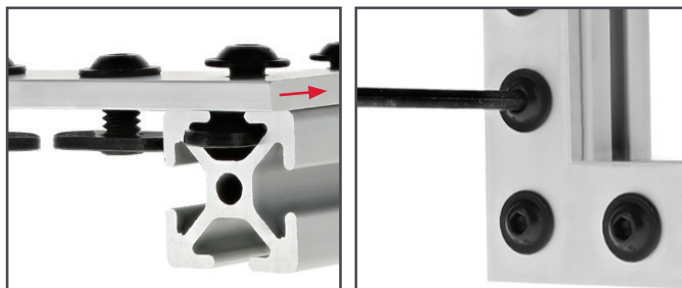


A complete hidden connection, it includes of a screw and wing clip. The screw, in the clip, is installed into the tap machining of one profile. The mating profile then slides over the fastener and secure through an access hole machining.



Flat Plates

No Machining Required

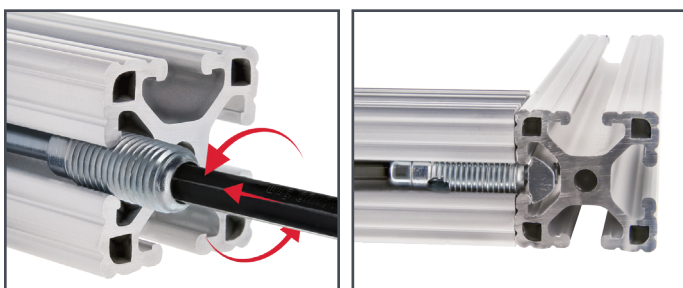


A large variety of options, flat plates offer a strong external connection that can be reconfigured. Installation is simple with bolts and T-nuts preloaded on plates then connected to profiles utilizing the T-slot channel.



T-Matic Connector

No Machining Required



A strong internal fastener allowing for infinite positioning. To install, first a barrel is threaded counter-clockwise into an open T-slot channel. A bolt and T-nut is then inserted and connected to a mating profile.



Pipe & Joint Set

No Machining Required



The 80/20 Brand, Flexpipe, uses joint sets to connect its steel pipes in a variety of configurations. Each joint set features two sides, and the pipes are fastened together with bolts and hex nuts for a secure connection.





80/20®
BUILD YOUR IDEA

SOLUTIONS MADE WITH 80/20

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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