



# 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](http://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](http://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.



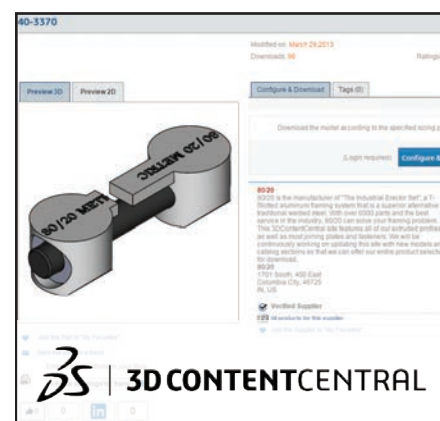
## A Free Web-Based Tool Ideal for All Experience Levels

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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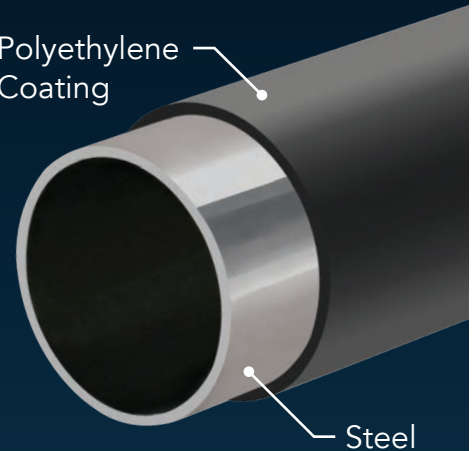


## Pipe & Joint Modular Solutions

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.

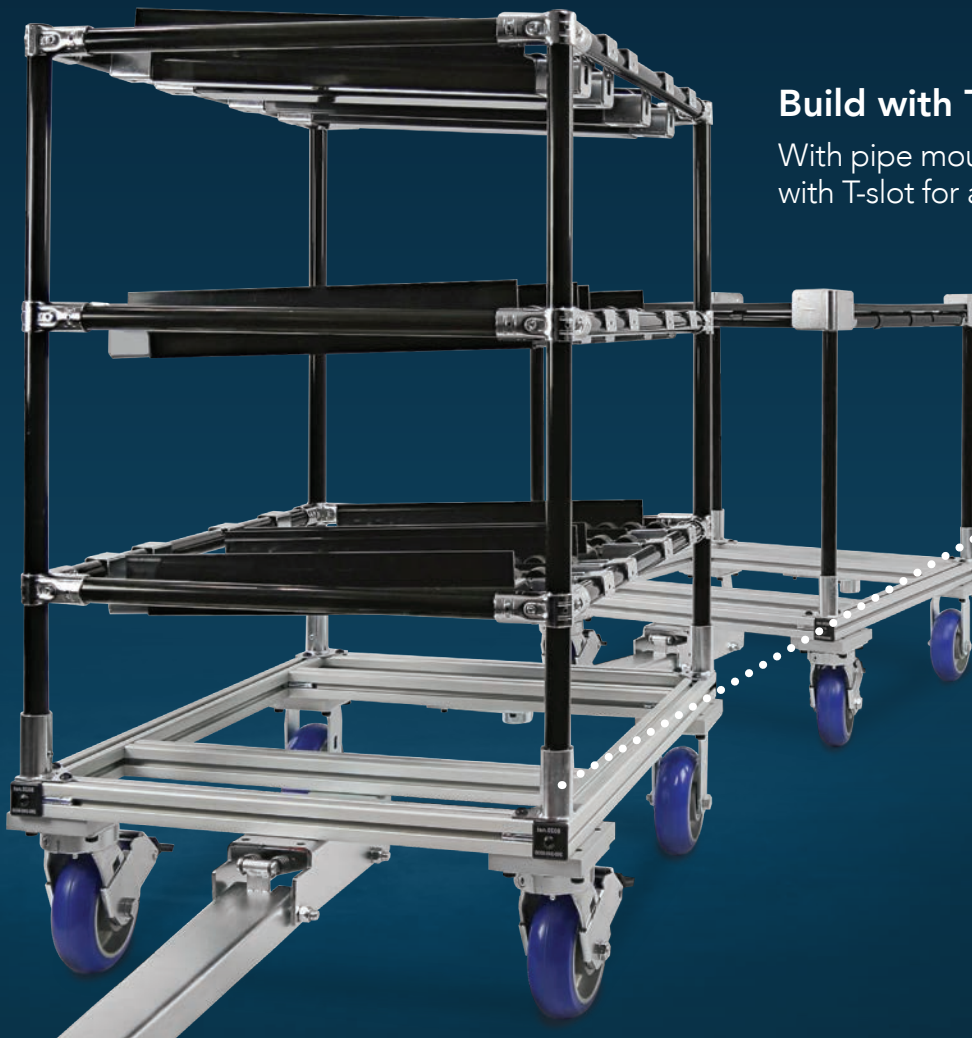
Polyethylene  
Coating



Steel

### Build with T-slot & Pipe Together

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

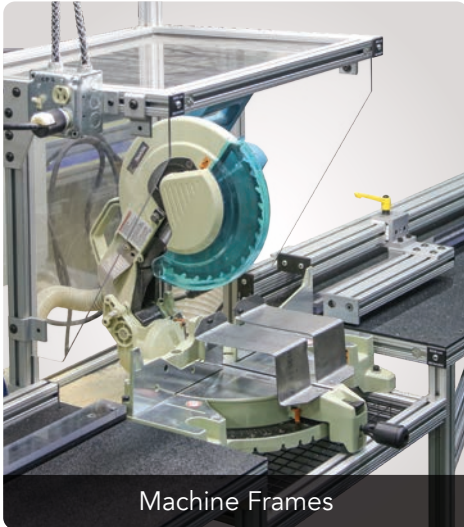


flexpipeinc.com



# 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



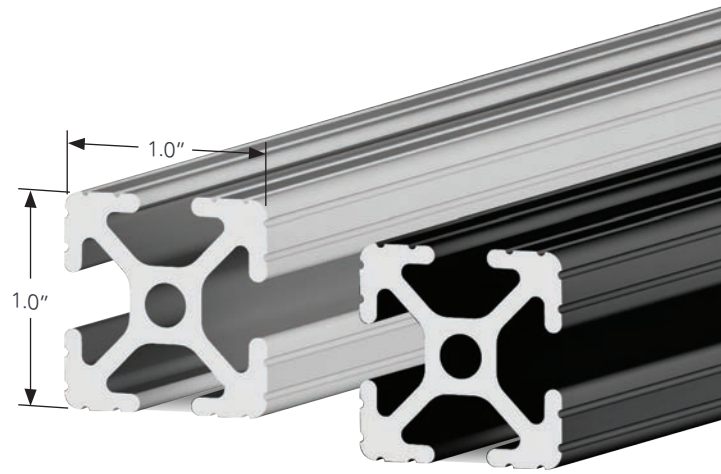
Lean Manufacturing



Authorized  
Distributor

# 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



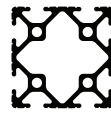
1" x 1"  
1003  
1003-S



1" x 1"  
1004  
1004-S



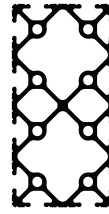
1" x 2"  
1020  
1020-S



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



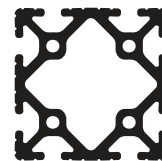
1.5" x 3.0"  
1530  
1530-S



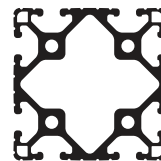
1.5" x 3.0"  
1530-Lite  
1530-LS



1.5" x 3.0"  
1530-UL  
1530-ULS



3.0" x 3.0"  
3030  
3030-S



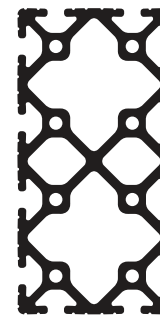
3.0" x 3.0"  
3030-Lite  
3030-LS



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

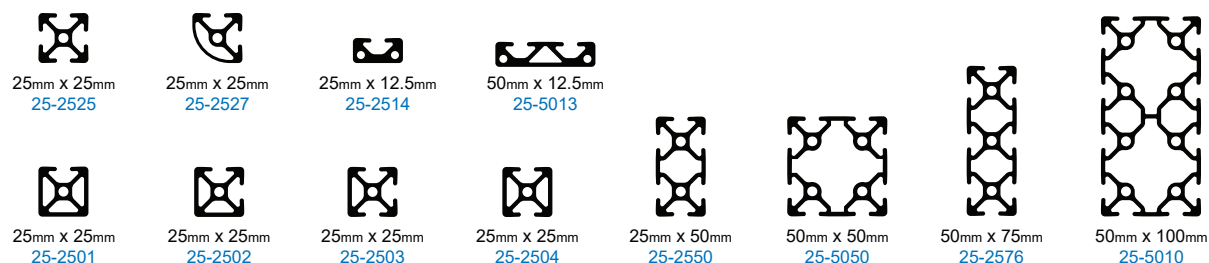


20mm x 40mm  
20-2040

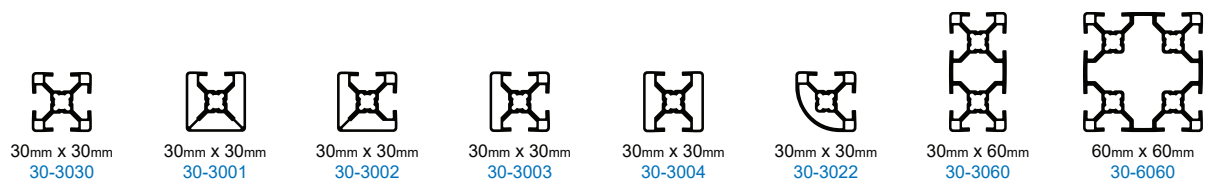


40mm x 40mm  
20-4040

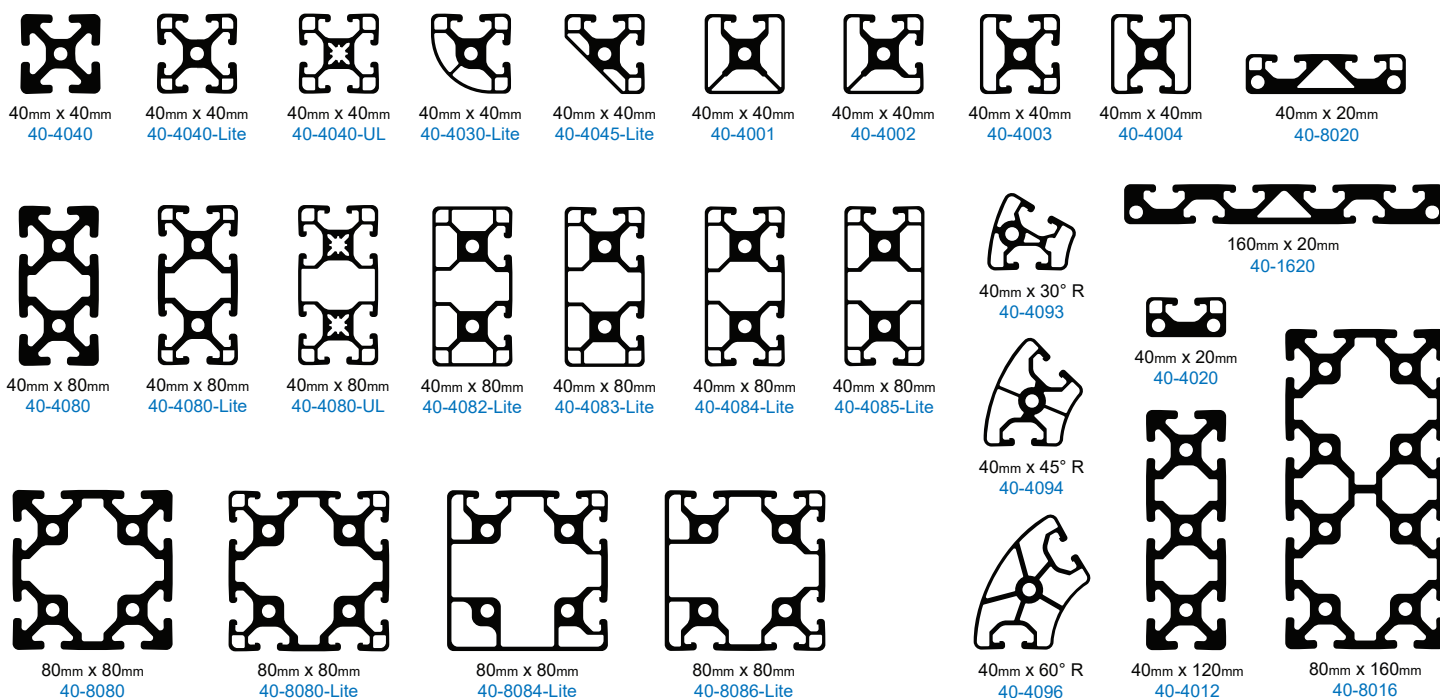
## 25 25mm T-Slot Profiles - 25 Series T-Slot Size - 6mm



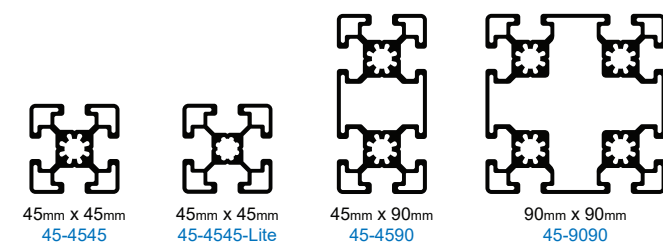
## 30 30mm T-Slot Profiles - 30 Series T-Slot Size - 8mm



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



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







Authorized  
Distributor



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](https://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

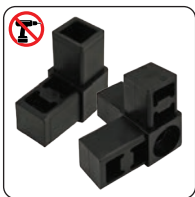


Hex Nuts

## 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](https://8020.net/8020-builds)



\*Black Anodize Options

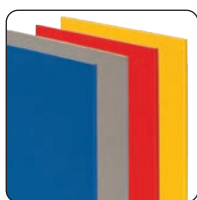
## Panels & Mesh



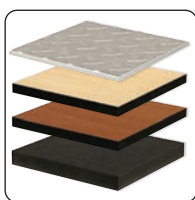
Acrylic &  
Polycarbonate



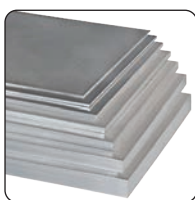
Aluminum  
Composite



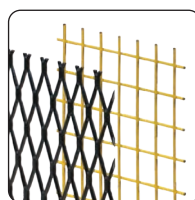
HDPE



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



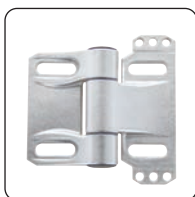
Roller  
Wheels



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



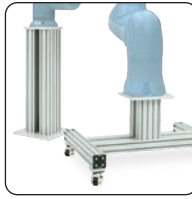
Column  
Lift System



Electric  
Lift System



Robot  
Mounting Plates



Robot Static &  
Mobile Pedestals



Workstation  
Kit

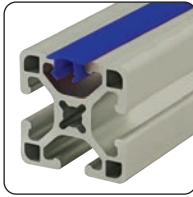


Robot Cart  
Kit

## Accessories



Profile  
End Caps



Profile  
T-Slot Covers



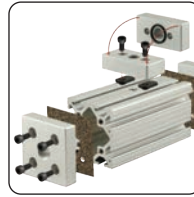
Wire Clips,  
Clamps & Housing



Drawer  
Slides



Monitor  
Mounts



Pressure  
Manifolds



Safety & Workspace  
Lighting

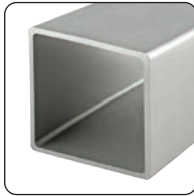
## Structural Shapes



Flat Stock  
Profiles\*



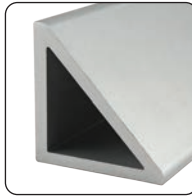
Block  
Profiles\*



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

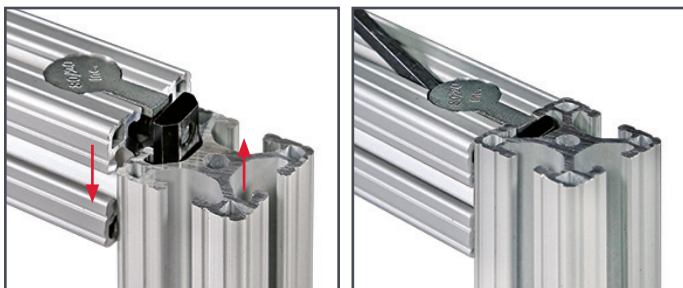
## Vast Offering of Standard Machining Services

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

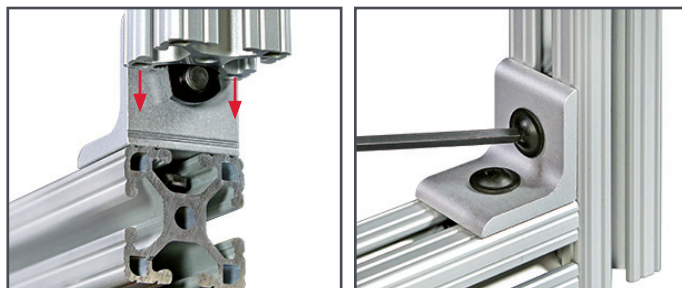


One of the strongest internal fasteners, the connection is made up of a screw, cam and T-nut. After a counterbore machining, the preassembled fastener is installed with the T-nut slightly loosened and slid on the mating profile.



## Bracket & Gusset

No Machining Required

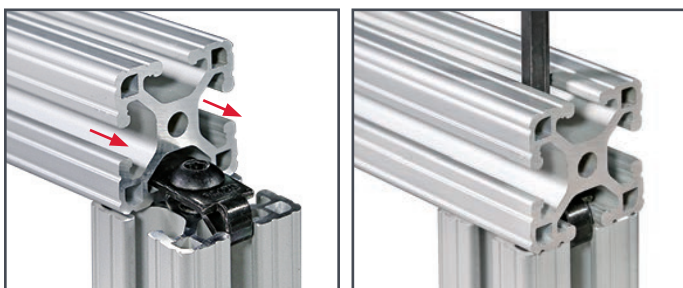


A large selection, brackets and gussets offer a strong external connection that can be reconfigured. Installation is simple with bolts and T-nuts preloaded on brackets then connected to profiles utilizing the T-slot channel.



## End Fastener

Access Hole & End Tap Machining Required

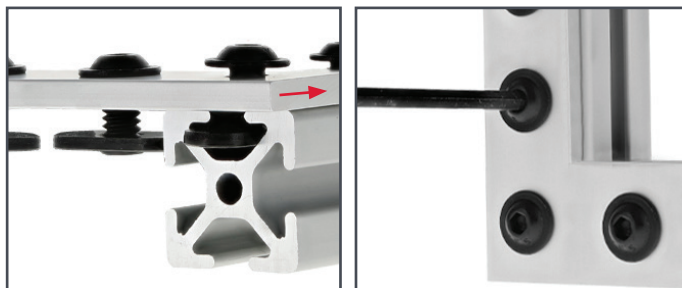


A complete hidden connection, it includes of a screw and wing clip. The screw, in the clip, is installed into the tap machining of one profile. The mating profile then slides over the fastener and secure through an access hole machining.



## Flat Plates

No Machining Required

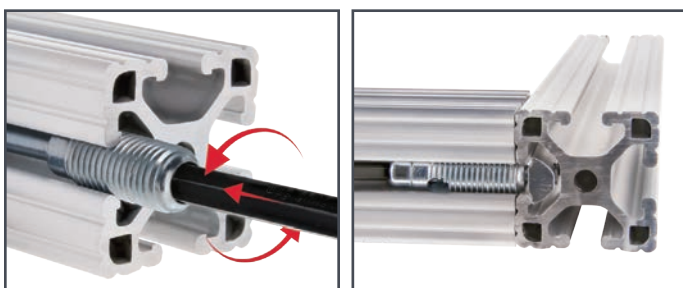


A large variety of options, flat plates offer a strong external connection that can be reconfigured. Installation is simple with bolts and T-nuts preloaded on plates then connected to profiles utilizing the T-slot channel.



## 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!



**AUTOMATION  
& FACTORY  
SOLUTIONS**



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