MB Kit® systems inc.

PROFILE CATALOG

V1

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plan
design
build

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CONCEPT, DESIGN, REALIZATION, AND PHOTOS

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CONDITIONS OF USE

The products in the MB Kit Systems Profile Catalog are suitable for use in dry conditions within a -5°F - 158°F temperature range. Exclusions may apply to parts containing electrical elements. MB Kit Systems must be contacted for applications outside of the range listed.

For more information, view the General Terms and Conditions at mbkit.com/terms-conditions

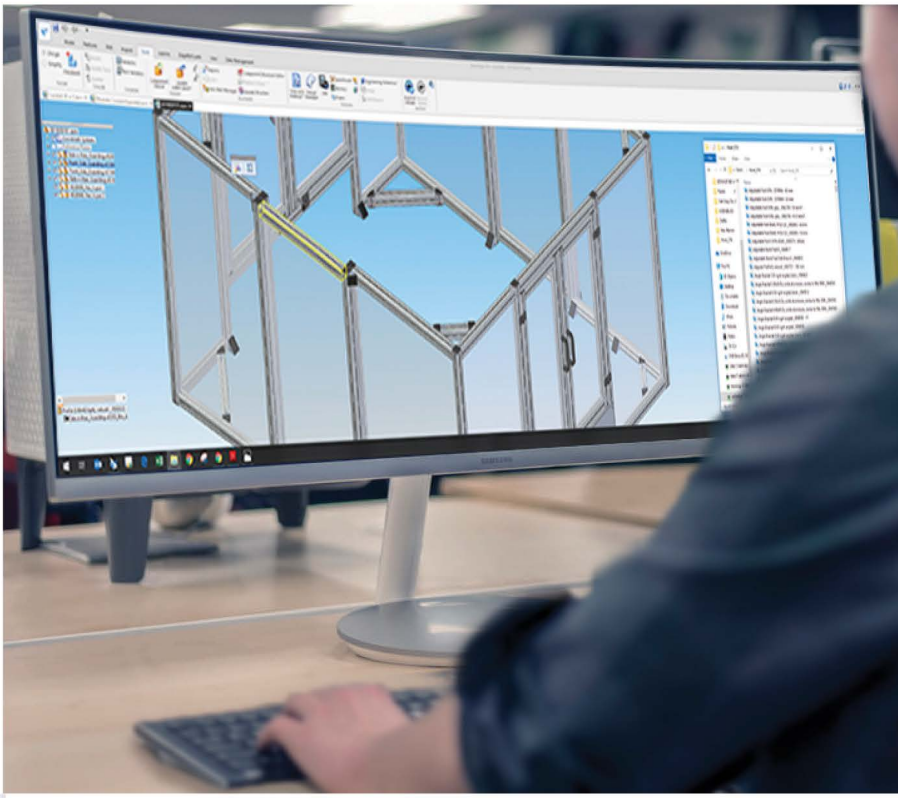
COMPANY

MB KIT MISSION

MB Kit Systems is the industry leader in designing full-service solutions utilizing extruded aluminum framing. Since 1996, customers have instilled their trust in the level of expertise offered in extruded aluminum design and build complexity offered by MB Kit. The highest-quality profiles and components are used with all projects to enable applications to increase efficiency, improve appearance and create flexibility in production environments.

MB KIT SYSTEMS PROVIDES THE FOLLOWING:

- Highest-quality products
- No-cost engineering services
- Unparalleled level of design and build experience
- High-level support for small or large projects
- Quick turnaround times



SOLUTIONS

Offering a wide array of profiles and components is quite often not enough for most customers. Customers seek MB Kit Systems' extruded aluminum framing expertise to transform a design idea into reality. Over the course of the project, MB Kit associates work closely with you to ensure requirements are met through the plan, design and build stages.

FULL-SERVICE SOLUTIONS OFFERED:

- Material Handling
- Guarding
- Enclosures
- Linear Motion
- Workstations
- Structures
- CNC Machining & Routing

For more information on full-service solutions, visit mbkit.com/solutions

MB KIT PROFILE LINES

FRAME PROFILE

GRIP RAIL

CASTOR RAIL

L8A

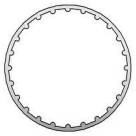
L8R

LX

CLAMP PROFILE

CONDUIT

TUBE D30-50

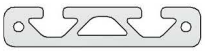


BED PLATE

ROLLER PROFILE

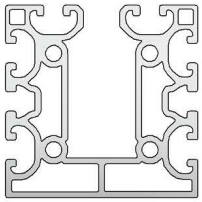
COVER PROFILE

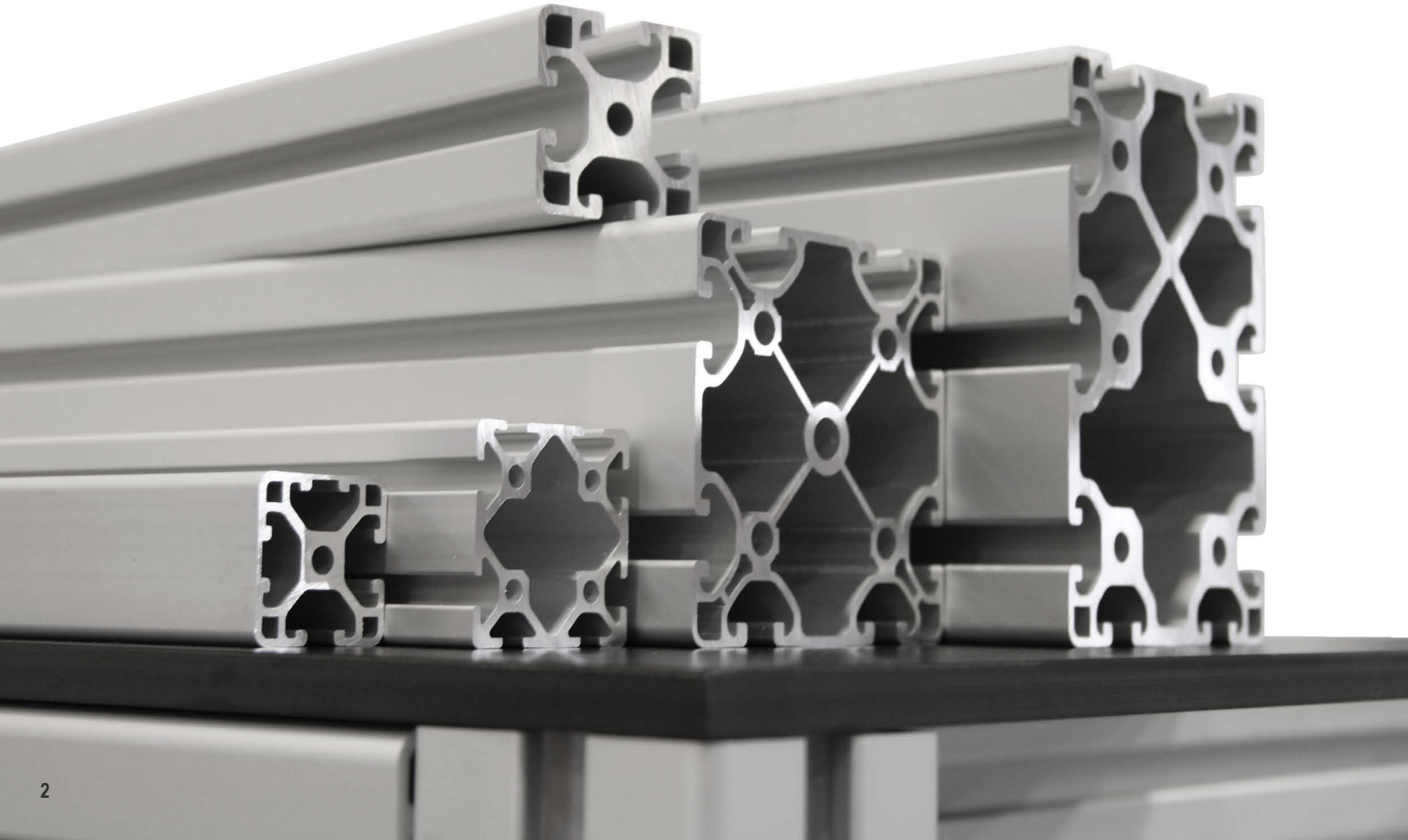
L8F



R40-80

LX-XMS





BASE PROFILE LINES

L5

L5 is best used for the smallest-sized applications. This line is often used in situations where high loads are not applicable. It is commonly used in conjunction with other profiles to save material cost, while meeting specified project requirements. T-slot groove width is 5mm.

L6

L6 is a mid-sized line with high structural strength. It is available in Standard and Light weight options. Used in design where specifications require a light, yet strong structure. T-slot groove width is 6mm.

L8

L8 is the base design for all T-slotted extruded aluminum designs. Being robust and strong, it is the most popular line of aluminum profile because the high-volume of compatible components and accessories, making L8 profiles suitable for most applications. T-slot groove width is 8mm.

LX

LX profile is a cleaner, more modern variation of L8 line. With sharper edges, it is ideal to use for cornering. The LX line is frequently used for modern enclosures application utilizing the LX-XMS profile with the ability to tuck wiring. T-slot groove width is 8mm.

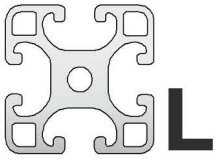
PROFILE WEIGHTS

STANDARD

Strongest • Heavy-duty • Light

Standard Profile is the strongest and heaviest of the three profile weights. Standard Profiles are recommended for linear motion applications.

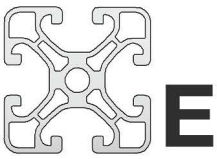
LIGHT



Stronger • Most popular • Lighter

Light Profile offers a perfect mix of strength, tolerance and low-weight attributes. It is the most popular profile weight option.

ECONOMY



Strong • Light-duty • Lightest

Economy Profile is the ultimate light-weight framing that provides impressive durability and strength. It is most frequently used for light-duty applications.

MODULAR DESIGN

Extruded aluminum framing is created with grooves called T-slots. These slots allow application adaptability for project design, build and modification. All forms of connections, ranging from T-nuts, fasteners and accessory components such as hangers, utilize the T-slot. Additionally, profile machining can be applied to extend fastening options through the profile T-slot or the core bore.

ACCESSIBILITY

T-slot grooves provide quick and easy access to mostly any location on the profile. With modular fastening technology, there are fastening options available that do not require machining.

ADJUSTABLITY

Whether it is during the design, build or post-build stage, your project can always be modified and adjusted. New parts can be added on or existing parts can be relocated.

VERSATILITY

Design possibilities are endless with extruded aluminum profile. Modular components and hardware are designed to handle practically any situation.

T-nut Installation Process

1 INSERT

For single pieces of profile, slide the T-nut into the profile groove at either end.

For profiles with existing connections, insert the T-nut into the groove at an angle and push it into place.

2 PLACEMENT

Slide the T-nut to the desired groove position.

NEXT-LEVEL DESIGN

Your imagination is the only limiting factor when combining MB Kit design experts, using an extensive product collection with NEXT-LEVEL Design.

Design options are endless with MB Kit Systems' NEXT-LEVEL DESIGN. Modular T-slot products provide a strong basis for application design; however, there are limiting factors for more advanced projects requiring increased stability and design flexibility. For instance, high-load applications must sustain strong vibrations or equipment under constant momentum load situations may require additional bracing.

NEXT-LEVEL DESIGN increases a project's level of integrity, ultimately enabling higher-level build quality for most situations. Enhanced design options include, but are not limited to: specialty engineered braces, brackets, spacers, adapter and connecting plates created from a variety of materials such as aluminum, plastics and compounded materials.

PRODUCT CATEGORIES

PROFILE & ACCESSORIES

L5 Modular - 20mm Dimension

Compact dimensions

For light-load applications

10

L5 Specialty

Flat profiles

Radius profiles

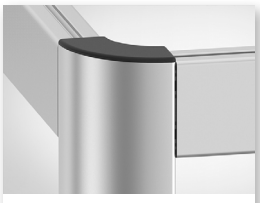
13

L6 Modular - 30mm Dimension

Mid-range line with high structural strength

For crowded and compact spaces

14



L6 Specialty

Angled profiles

Radius profiles

17

L8 Modular - 40mm Dimension

Most versatile profile line

Robust and strong

18

L8F - Flat Profiles

Used for attaching elements or as a mounting surface

For building frames, struts or support elements

24

L8A - Angled Profiles

Provides up to three connection points

Ideal for creating a more visually attractive frame

26

L8R - Radius Profiles

Used for building frames, tables and enclosures

More elegant option with two closed, rounded sides

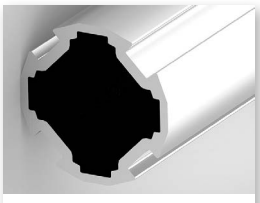
27

LX

A cleaner, sharper-edged profile

Door profile

29



Tubular Profiles

D30 profiles have a 30mm diameter that corresponds to L6 profiles

Ideal for lean production applications

32

Solid Profile & Edging

Profile without grooves

For edging panel elements

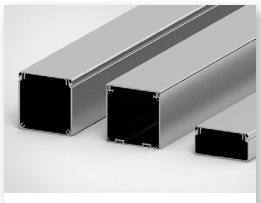
33

Conveyor Profiles

Profiles and accessories used to create conveyor applications

Caster Rail Insert options allow for versatile and efficient material handling design

35



Installation Profile

Conduit profiles safely route wiring

Framing system that incorporates cabling

37

Framing Profile

Used to create shelves and drawers

Stable edging for panel elements

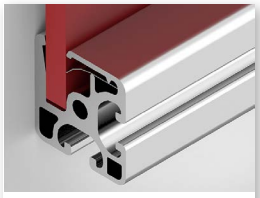
44

Specialty Profile

Wide array of miscellaneous profiles

Specific functioning profiles

45

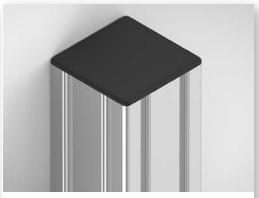


Clamp Profile

For building stable frame elements

Used to create large-area guards and enclosures

51

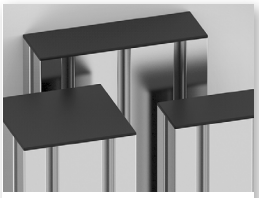


Caps - Modular Dimension

Caps for modular profiles

Caps for angle brackets

53

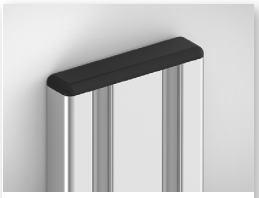


Caps - LX

Caps for LX profiles

Vibration-proof and temperature-resistant

58

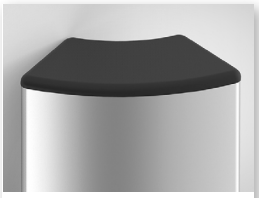


Caps - Flat Sections

Caps for flat profiles

Robust caps made from reinforced plastic

59

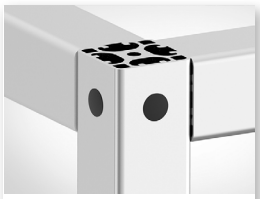


Caps - Radius

Caps for radius profiles

Robust caps made from reinforced plastic

61

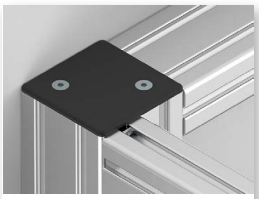


Caps - Bore Covers

For sealing profile bores

Colors available in black or gray

63



Caps - Metal

Caps made of zinc or steel

Secure connection that protects against impact

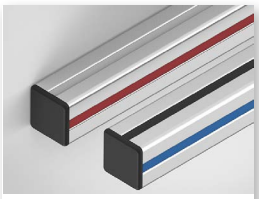
64

Caps - Conduit

Covering for conduit profiles

Various sizes available

66

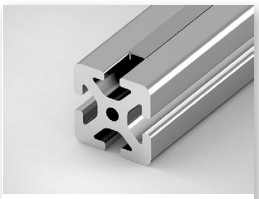


Cover Profile PP

Polypropylene covering element

Used to protect from dirt and dust

68

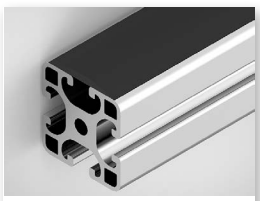


Cover Profile AL

Aluminum covering element

Profile-matching cover

70



Elastic Cover Profile

Elastic covering element

Non-slip surface

71

PROFILE

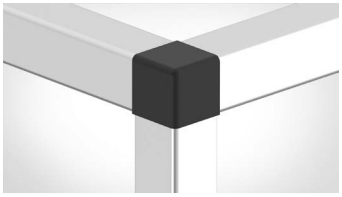
L5 MODULAR

- Compact dimensions
- For light-load applications
- Open and closed grooves available
- Frequently used as accent pieces

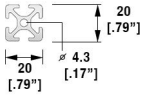
LINE APPLICATION

5

L5 profile is the ideal choice for compact situations or situations in which light structural frames are required.



Closed-slot options are available for a more visually attractive and easier to clean profile.



Profile 5 20x20

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Natural	
cut-off max. 6000mm [19.69']	**522000**
pcs=3020mm [9.91']	**522003**
pcs=6040mm [19.82']	**522006**
PU=16x3000mm=48m [157.48']	**522007**
PU=16x6000mm=96m [314.96']	**522009**
Black	
cut-off max. 3000mm [9.84']	**522700**
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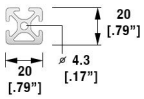

Profile 5 20x20 1N

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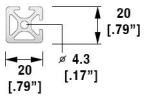

Profile 5 20x20 2N90

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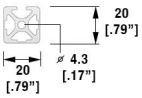

Profile 5 20x20 3N

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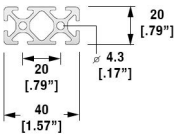
pcs=3040mm [9.97']	522303
PU=8x3000mm=24m [78.74']	522309



Profile 5 40x20

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pcs=6040mm [19.82']	542006
PU=16x6000mm=96m [314.96']	542007
PU=16x6000mm=96m [314.96']	542009
Black	
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pcs=3040mm [9.97']	542703
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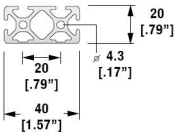

Profile 5 40x20 2N

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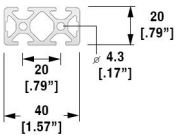

Profile 5 40x20 2N180

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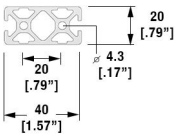

Profile 5 40x20 4N180

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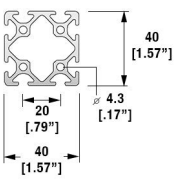
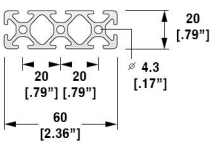


Profile 5 40x40

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
1.38 [.93]	5.14 [.80]	9.30 [.22]	9.30 [.22]	4.62 [.28]	4.62 [.28]

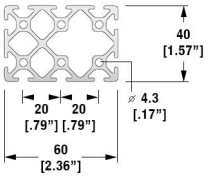
cut-off max. 6000mm [19.69']	544000
pcs=6040mm [19.82']	544006
PU=8x6000mm=48m [157.48']	544009



Profile 5 60x20

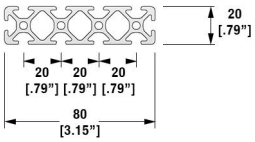
m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
1.28 [.86]	4.76 [.73]	2.07 [.04]	16.07 [.38]	2.07 [.12]	5.36 [.32]

cut-off max. 3000mm [9.84']	562000
pcs=3040mm [9.97']	562003
PU=5x3000mm=15m [49.21']	562009



Profile 5 60x40

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.07 [1.39]	7.67 [1.19]	13.52 [.32]	28.14 [.68]	6.76 [.41]	9.09 [.55]	cut-off max. 3000mm [9.84']	**564000**
						pcs=3040mm [9.97']	**564003**
						PU=5x3000mm=15m [49.21']	**564009**



Profile 5 80x20

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.67 [1.12]	6.19 [.95]	2.72 [.06]	36.08 [.87]	2.72 [.42]	9.02 [.55]	cut-off max. 3000mm [9.84']	**582000**
						pcs=3040mm [9.97']	**582003**
						PU=8x3000mm=24m [78.74']	**582009**

PROFILE

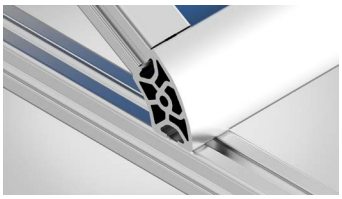
L5 SPECIALTY

- Flat profiles
- Radius profiles
- Flat profiles are used for light-weight support profiles
- Radius profiles have a rounded surface

LINE APPLICATION

5

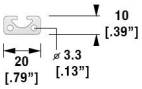
L5F flat-surfaced profiles are frequently used as a handle for door applications.



L5R radius profiles are used to add bracing to increase structural strength.

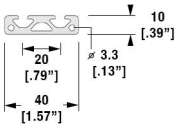
Profile 5 16x8.5

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.22 [.15]	.82 [.13]	.06 [.001]	.23 [.005]	.12 [.007]	.28 [.02]	cut-off max. 3000mm [9.84']	516800
						pcs=3040mm [9.97']	516803
						PU=10x3000mm=30m [98.43']	516809



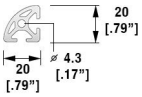
Profile 5 20x10

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.35 [.23]	1.29 [.19]	.12 [.003]	.53 [.013]	.22 [.013]	.53 [.032]	cut-off max. 3000mm [9.84']	521000
						pcs=3040mm [9.97']	521003
						PU=16x3000mm=48m [157.48']	521009



Profile 5 40x10

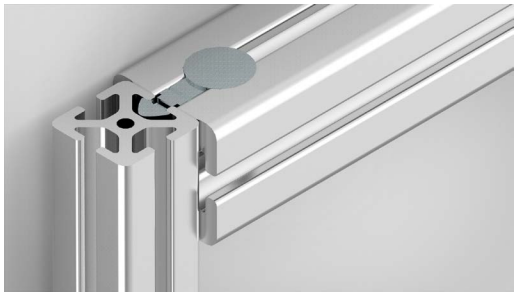
m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.65 [.44]	2.39 [.37]	.24 [.005]	3.63 [.087]	.44 [.027]	1.81 [.10]	cut-off max. 3000mm [9.84']	541000
						pcs=3040mm [9.97']	541003
						PU=16x3000mm=48m [157.48']	541009



Profile 5 R20-90°

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.46 [.31]	1.72 [.26]	.58 [.01]	.58 [.01]	.54 [.033]	.54 [.033]	cut-off max. 3000mm [9.84']	502900
						pcs=3040mm [9.97']	502903
						PU=8x3000mm=24m [78.74']	502909

PROFILE

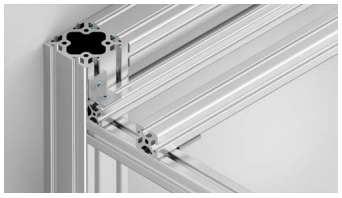


L6 MODULAR

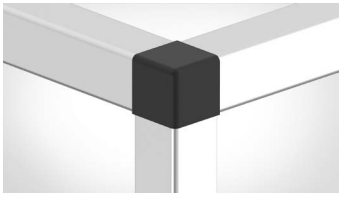
- Mid-range line with high structural strength
- For crowded and compact spaces
- Open and closed grooves available
- Frequently used as accent pieces

LINE APPLICATION

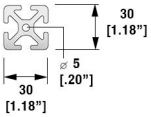
6



L6 profile is ideal for crowded and compact spaces. It is frequently used in conjuction with other larger profiles to increase structural strength while adding minimal weight.

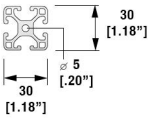


Closed-slot options are available for a more visually attractive and easier-to-clean profile.



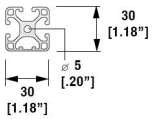
Profile 6 30x30

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.24 [.83]	4.67 [.72]	4.13 [.099]	4.13 [.099]	2.75 [.16]	2.75 [.16]	cut-off max. 6000mm [19.69']	633000
						pcs=6040mm [19.82']	633006
						PU=16x6000mm=96m [314.96']	633009



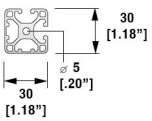
Profile 6 30x30 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.90 [.60]	3.43 [.53]	2.88 [.06]	2.88 [.06]	1.92 [.11]	1.92 [.11]	cut-off max. 6000mm [19.69']	633010
						pcs=6040mm [19.82']	633016
						PU=16x6000mm=96m [314.96']	633019



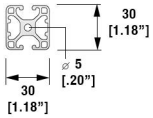
Profile 6 30x30 1N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.92 [.62]	3.49 [.54]	2.88 [.06]	3.02 [.07]	1.92 [.11]	1.98 [.11]	cut-off max. 6000mm [19.69']	633110
						pcs=6040mm [19.82']	633116
						PU=8x6000mm=48m [157.48']	633119



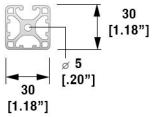
Profile 6 30x30 2N90 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.96 [.64]	3.54 [.55]	3.02 [.07]	3.02 [.07]	1.98 [.11]	1.98 [.11]	cut-off max. 6000mm [19.69']	633910
						pcs=6040mm [19.82']	633916
						PU=8x6000mm=48m [157.48']	633919



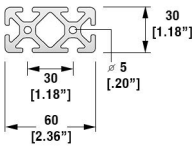
Profile 6 30x30 2N180 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.96 [.64]	3.54 [.55]	2.90 [.07]	3.14 [.08]	1.92 [.11]	2.11 [.13]	cut-off max. 6000mm [19.69']	633810
						pcs=6040mm [19.82']	633816
						PU=8x6000mm=48m [157.48']	633819



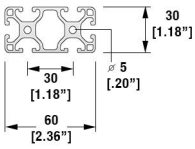
Profile 6 30x30 3N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.00 [.67]	3.60 [.55]	3.02 [.07]	3.14 [.08]	1.98 [.11]	2.09 [.12]	cut-off max. 6000mm [19.69']	633310
						pcs=6040mm [19.82']	633313
						PU=8x6000mm=48m [157.48']	633319



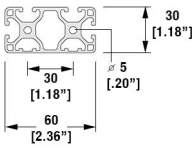
Profile 6 60x30

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.29 [1.54]	8.47 [1.31]	7.92 [.19]	29.30 [.70]	5.24 [.31]	9.77 [.60]	cut-off max. 6000mm [19.69']	663000
						pcs=6040mm [19.82']	663006
						PU=8x6000mm=48m [157.48']	663009



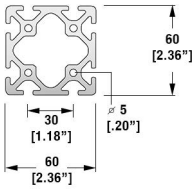
Profile 6 60x30 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.65 [1.11]	6.13 [.95]	5.54 [.13]	21.22 [.51]	3.65 [.22]	7.07 [.43]	cut-off max. 6000mm [19.69']	663010
						pcs=6040mm [19.82']	663016
						PU=8x6000mm=48m [157.48']	663019



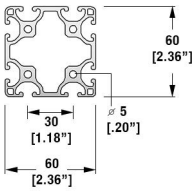
Profile 6 60x30 2N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.68 [1.13]	6.24 [.96]	5.77 [.13]	21.47 [.51]	3.78 [.23]	7.16 [.43]	cut-off max. 3000mm [9.84']	663210
						pcs=3040mm [9.97']	663213
						PU=8x3000mm=24m [78.74']	663217



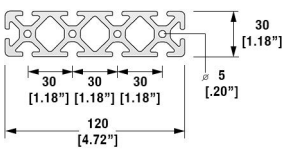
Profile 6 60x60

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
3.60 [2.42]	13.33 [2.07]	53.77 [1.29]	53.77 [1.29]	17.92 [1.09]	17.92 [1.09]	cut-off max. 6000mm [19.69']	666000
						pcs=6040mm [19.82']	666006
						PU=4x6000mm=24m [78.74']	666009



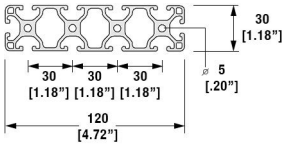
Profile 6 60x60 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.70 [1.81]	10.01 [1.55]	39.47 [.95]	39.47 [.95]	13.16 [.80]	13.16 [.80]	cut-off max. 6000mm [19.69']	666010
						pcs=6040mm [19.82']	666016
						PU=4x6000mm=24m [78.74']	666019



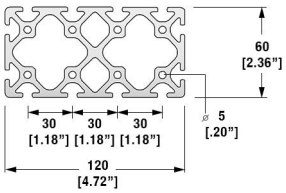
Profile 6 120x30

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
4.32 [2.90]	16.00 [2.48]	15.42 [.37]	210.94 [5.07]	10.28 [.63]	35.16 [2.15]	cut-off max. 6000mm [19.69']	612300
						pcs=6040mm [19.82']	612306
						PU=4x6000mm=24m [78.74']	612309



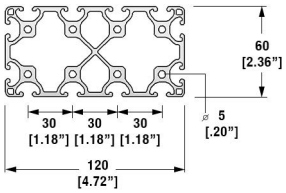
Profile 6 120x30 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
3.11 [2.09]	11.53 [1.79]	10.81 [.25]	152.65 [3.67]	7.21 [.43]	25.44 [1.55]	cut-off max. 6000mm [19.69']	612310
						pcs=6040mm [19.82']	612316
						PU=4x6000mm=24m [78.74']	612319



Profile 6 120x60

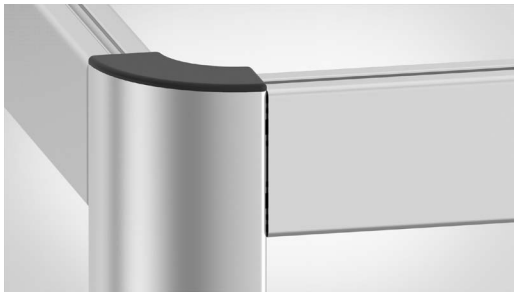
m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
6.71 [4.51]	24.84 [3.85]	102.71 [2.48]	347.62 [8.35]	34.24 [2.09]	57.94 [3.54]	cut-off max. 6000mm [19.69']	612600
						pcs=6040mm [19.82']	612606
						PU=2x6000mm=12m [39.37']	612609



Profile 6 120x60 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
5.05 [3.39]	18.70 [2.90]	76.61 [1.84]	259.65 [6.24]	25.54 [1.56]	43.27 [2.64]	cut-off max. 6000mm [19.69']	612610
						pcs=6040mm [19.82']	612616
						PU=2x6000mm=12m [39.37']	612619

PROFILE



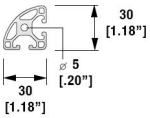
L6 SPECIALTY

- Radius profiles have a rounded surface
- Used for building frames, tables and enclosures
- Angled profiles are ideal for tables, cabinets and enclosures

LINE APPLICATION

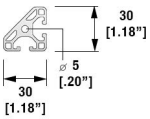
L6A angled profiles increase connection possibilities. Combinations can be made for attractive right-angled corners.

L6R radius profiles are used to add bracing to increase structural strength.



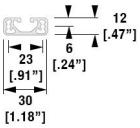
Profile 6 R30-90° Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.81 [.54]	3.07 [.48]	2.14 [.05]	2.14 [.05]	1.32 [.08]	1.32 [.08]	cut-off max. 3000mm [9.84']	603900
						pcs=3040mm [9.97']	603903
						PU=8x3000mm=24m [78.74']	603909



Profile 6 30x30-45° Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.82 [.55]	3.12 [.49]	2.20 [.05]	2.20 [.05]	1.32 [.08]	1.32 [.08]	cut-off max. 3000mm [9.84']	633450
						pcs=3040mm [9.97']	633453
						PU=8x3000mm=24m [78.74']	633459



Profile 6 30x12 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.43 [.29]	1.58 [.24]	.25 [.006]	1.46 [.035]	.39 [.02]	.98 [.06]	cut-off max. 3000mm [9.84']	631210
						pcs=3040mm [9.97']	631213
						PU=10x3000mm=30m [98.43']	631219

PROFILE

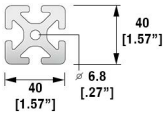
L8 MODULAR

- Most versatile profile line
- Robust and strong
- Open and closed grooves available
- Many profiles available in S (Standard), L (Light), and E (Economy)

LINE APPLICATION

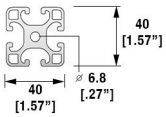
L8 profile is the base of most MB Kit design due to its versatility, strength and light-weight make-up. Due to the large quantity of compatible components that can be used with this line, it will cover much of your application requirements.

Standard L8 profile selections are recommended for building the structural framing for precision linear assemblies.



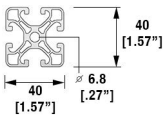
Profile 8 40x40

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.47 [1.66]	9.14 [1.41]	13.96 [.34]	13.96 [.34]	6.96 [.42]	6.96 [.42]	cut-off max. 6000mm [19.69']	844000
						pcs=6040mm [19.82']	844006
						PU=16x6000mm=96m [314.96']	844009



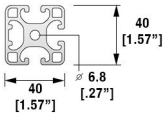
Profile 8 40x40 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.75 [1.17]	6.48 [1.00]	9.00 [.22]	9.00 [.22]	4.50 [.27]	4.50 [.27]	**Natural**	
						cut-off max. 6000mm [19.69']	844010
						pcs=3020mm [9.91']	844013
						pcs=6040mm [19.82']	844016
						PU=16x3000mm=48m [157.48']	844017
						PU=16x6000mm=96m [314.96']	844019
						Black	
						cut-off max. 6000mm [19.69']	844710
						pcs=6040mm [19.82']	844716
						PU=16x6000mm=96m [314.96']	844719



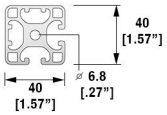
Profile 8 40x40 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.37 [.92]	5.07 [.79]	7.38 [.18]	7.38 [.18]	3.69 [.22]	3.69 [.22]	cut-off max. 6000mm [19.69']	844020
						pcs=6040mm [19.82']	844026
						PU=16x6000mm=96m [314.96']	844029



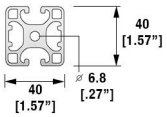
Profile 8 40x40 1N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.80 [1.21]	6.65 [1.03]	9.54 [.23]	9.01 [.22]	4.66 [.28]	4.50 [.27]	cut-off max. 6000mm [19.69']	**844110**
						pcs=6040mm [19.82']	**844116**
						PU=16x6000mm=96m [314.96']	**844119**



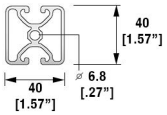
Profile 8 40x40 2N90 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.84 [1.23]	6.75 [1.05]	9.50 [.23]	9.50 [.23]	4.65 [.28]	4.65 [.28]	cut-off max. 6000mm [19.69']	**844910**
						pcs=6040mm [19.82']	**844916**
						PU=16x6000mm=96m [314.96']	**844919**



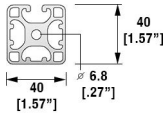
Profile 8 40x40 2N180 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.84 [1.23]	6.78 [1.05]	10.12 [.24]	9.12 [.22]	5.05 [.31]	4.55 [.28]	cut-off max. 6000mm [19.69']	**844810**
						pcs=6040mm [19.82']	**844816**
						PU=16x6000mm=96m [314.96']	**844819**



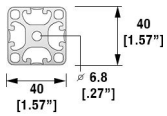
Profile 8 40x40 2N180 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.34 [.90]	4.98 [.77]	8.05 [.19]	8.63 [.21]	4.07 [.24]	4.38 [.26]	cut-off max. 6000mm [19.69']	**844820**
						pcs=6040mm [19.82']	**844826**
						PU=16x6000mm=96m [314.96']	**844829**



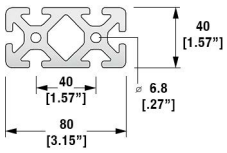
Profile 8 40x40 3N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.89 [1.27]	7.00 [1.08]	9.62 [.23]	10.22 [.25]	4.70 [.29]	5.11 [.31]	cut-off max. 6000mm [19.69']	**844310**
						pcs=6040mm [19.82']	**844316**
						PU=8x6000mm=48m [157.48']	**844319**



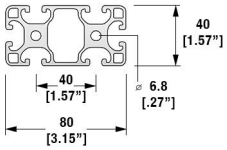
Profile 8 40x40 4N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.84 [1.23]	6.86 [1.06]	9.80 [.23]	9.80 [.23]	4.90 [.29]	4.90 [.29]	cut-off max. 6000mm [19.69']	**844410**
						pcs=6040mm [19.82']	**844416**
						PU=16x6000mm=96m [314.96']	**844419**



Profile 8 80x40

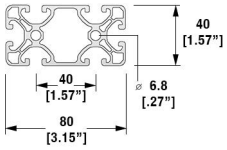
m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
4.52 [3.04]	16.74 [2.59]	26.87 [.65]	101.19 [2.43]	13.44 [.82]	25.29 [1.54]	cut-off max. 6000mm [19.69']	**884000**
						pcs=6040mm [19.82']	**884006**
						PU=8x6000mm=48m [157.48']	**884009**



Profile 8 80x40 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
3.05 [2.05]	11.38 [1.76]	16.60 [.40]	69.54 [1.67]	8.30 [.51]	17.38 [1.06]

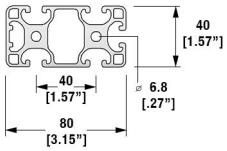
Natural	
cut-off max. 6000mm [19.69']	**884010**
pcs=3020mm [9.91']	**884013**
pcs=6040mm [19.82']	**884016**
PU=8x3000mm=24m [78.74']	**884017**
PU=8x6000mm=48m [157.48']	**884019**
Black	
cut-off max. 6000mm [19.69']	**884710**
pcs=6040mm [19.82']	**884716**
PU=8x6000mm=48m [157.48']	**884719**



Profile 8 80x40 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
2.48 [1.66]	8.93 [1.38]	15.15 [.36]	57.81 [1.39]	7.58 [.46]	14.45 [.88]

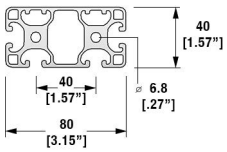
cut-off max. 6000mm [19.69']	**884020**
pcs=6040mm [19.82']	**884026**
PU=8x6000mm=48m [157.48']	**884029**



Profile 8 80x40 1N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
3.11 [2.09]	11.53 [1.78]	16.92 [.40]	72.13 [1.73]	8.46 [.51]	17.81 [1.08]

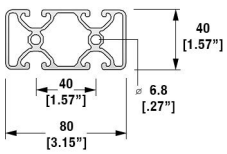
cut-off max. 6000mm [19.69']	**884110**
pcs=6040mm [19.82']	**884116**
PU=8x6000mm=48m [157.48']	**884119**



Profile 8 80x40 2N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
3.15 [2.11]	11.60 [1.80]	17.73 [.43]	70.87 [1.70]	8.63 [.53]	17.72 [1.08]

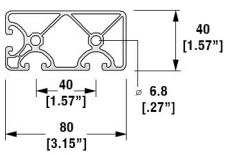
cut-off max. 6000mm [19.69']	**884210**
pcs=6040mm [19.82']	**884216**
PU=8x6000mm=48m [157.48']	**884219**



Profile 8 80x40 2N180 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
2.28 [1.53]	8.44 [1.30]	15.85 [.38]	54.51 [1.30]	7.93 [.48]	13.63 [.83]

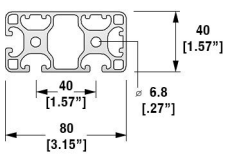
cut-off max. 6000mm [19.69']	**884220**
pcs=6040mm [19.82']	**884226**
PU=8x6000mm=48m [157.48']	**884229**



Profile 8 80x40 3N90 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
2.29 [1.54]	8.24 [1.28]	15.32 [.37]	54.69 [1.31]	7.51 [.46]	13.4 [.82]

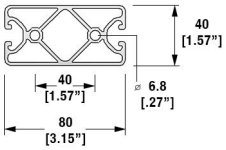
cut-off max. 6000mm [19.69']	**884320**
pcs=6040mm [19.82']	**884326**
PU=8x6000mm=48m [157.48']	**884329**



Profile 8 80x40 3N90 Light

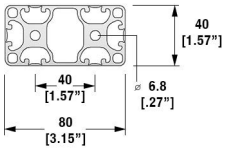
m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
3.17 [2.13]	11.75 [1.82]	17.70 [.42]	73.25 [1.75]	8.65 [.52]	18.09 [1.10]

cut-off max. 6000mm [19.69']	**884310**
pcs=6040mm [19.82']	**884316**
PU=8x6000mm=48m [157.48']	**884319**



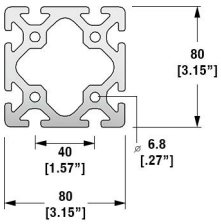
Profile 8 80x40 4N180 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.23 [1.50]	8.04 [1.25]	15.12 [.36]	55.41 [1.33]	7.56 [.46]	13.85 [.85]	cut-off max. 6000mm [19.69']	884420
						pcs=6040mm [19.82']	884426
						PU=8x6000mm=48m [157.48']	884429



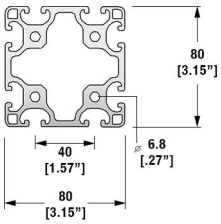
Profile 8 80x40 6N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
3.18 [2.13]	11.87 [1.84]	18.16 [.43]	74.31 [1.79]	9.08 [.55]	18.58 [1.13]	cut-off max. 6000mm [19.69']	884610
						pcs=6040mm [19.82']	884616
						PU=8x6000mm=48m [157.48']	884619



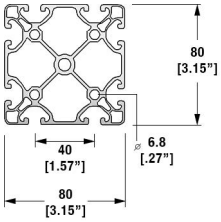
Profile 8 80x80

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
7.17 [4.82]	26.66 [4.13]	187.70 [4.51]	187.70 [4.51]	46.92 [2.86]	46.92 [2.86]	cut-off max. 6000mm [19.69']	888000
						pcs=6040mm [19.82']	888006
						PU=4x6000mm=24m [78.74']	888009



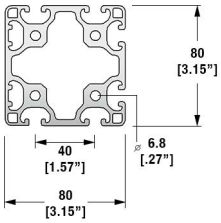
Profile 8 80x80 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
5.33 [3.58]	19.75 [3.06]	134.06 [3.22]	134.06 [3.22]	33.51 [2.04]	33.51 [2.04]	**Natural**	
						cut-off max. 6000mm [19.69']	888010
						pcs=6040mm [19.82']	888016
						PU=4x6000mm=24m [78.74']	888019
						Black	
						cut-off max. 6000mm [19.69']	888710
						pcs=6040mm [19.82']	888716
						PU=4x6000mm=24m [78.74']	888719



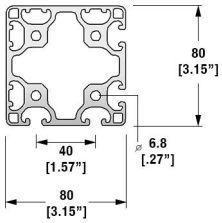
Profile 8 80x80 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
4.08 [2.75]	14.86 [2.30]	100.69 [2.42]	100.69 [2.42]	25.17 [1.54]	25.17 [1.54]	cut-off max. 6000mm [19.69']	888020
						pcs=6040mm [19.82']	888026
						PU=4x6000mm=24m [78.74']	888029



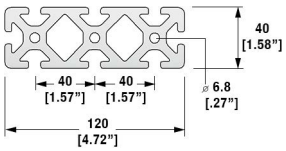
Profile 8 80x80 2N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
5.43 [3.65]	20.10 [3.11]	139.00 [3.34]	135.00 [3.24]	34.25 [2.09]	33.68 [2.06]	cut-off max. 6000mm [19.69']	888210
						pcs=6040mm [19.82']	888216
						PU=4x6000mm=24m [78.74']	888219



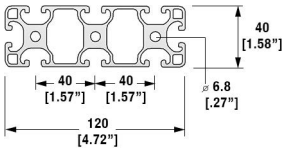
Profile 8 80x80 4N90 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
5.52 [3.71]	20.39 [3.16]	140.00 [3.36]	140.00 [3.36]	34.48 [2.10]	34.48 [2.10]	cut-off max. 6000mm [19.69']	888410
						pcs=6040mm [19.82']	888416
						PU=4x6000mm=24m [78.74']	888419



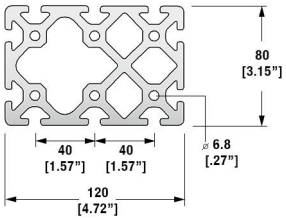
Profile 8 120x40

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
6.57 [4.41]	24.33 [3.77]	39.80 [.96]	322.57 [7.74]	19.90 [1.21]	53.76 [3.28]	cut-off max. 6000mm [19.69']	812400
						pcs=6040mm [19.82']	812406
						PU=5x6000mm=30m [98.43']	812409



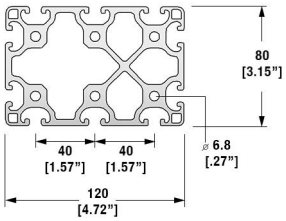
Profile 8 120x40 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
4.36 [2.93]	16.14 [2.50]	24.22 [.58]	220.54 [5.30]	12.11 [.74]	36.76 [2.24]	cut-off max. 6000mm [19.69']	812410
						pcs=6040mm [19.82']	812416
						PU=5x6000mm=30m [98.43']	812419



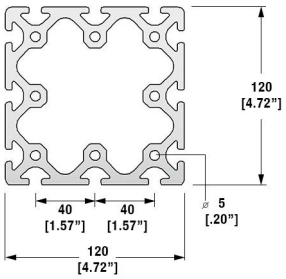
Profile 8 120x80

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
11.07 [7.44]	40.23 [6.24]	275.62 [6.62]	577.61 [13.88]	68.90 [4.20]	93.57 [5.71]	cut-off max. 6000mm [19.69']	812800
						pcs=6040mm [19.82']	812806
						pcs=4010mm [13.16']	812804
						PU=2x6000mm=12m [39.37']	812809
						PU=2x4000mm=8m [26.25']	812808



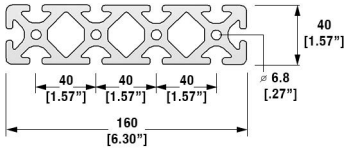
Profile 8 120x80 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
8.12 [5.45]	30.08 [4.66]	201.89 [4.85]	421.67 [10.13]	50.47 [3.08]	68.34 [4.17]	cut-off max. 6000mm [19.69']	812810
						pcs=6040mm [19.82']	812816
						pcs=4010mm [13.16']	812814
						PU=2x6000mm=12m [39.37']	812819
						PU=2x4000mm=8m [26.25']	812818



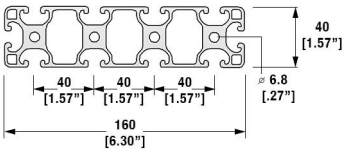
Profile 8 120x120

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
12.39 [8.32]	45.92 [7.11]	798.83 [19.19]	798.83 [19.19]	133.13 [8.12]	133.13 [8.12]	cut-off max. 6000mm [19.69']	812200
						pcs=6040mm [19.82']	812206



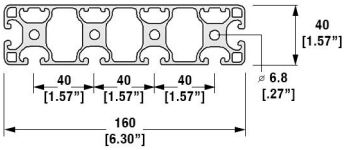
Profile 8 160x40

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
8.62 [5.79]	32.00 [4.96]	52.72 [1.27]	739.62 [17.77]	26.36 [1.61]	92.45 [5.64]	cut-off max. 6000mm [19.69']	816400
						pcs=6040mm [19.82']	816406
						PU=4x6000mm=24m [78.74']	816409



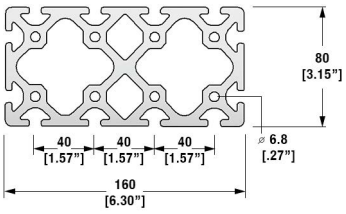
Profile 8 160x40 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
5.66 [3.80]	20.90 [3.24]	31.81 [.76]	500.32 [12.02]	15.90 [.97]	62.54 [3.82]	cut-off max. 6000mm [19.69']	816410
						pcs=6040mm [19.82']	816416
						PU=4x6000mm=24m [78.74']	816419



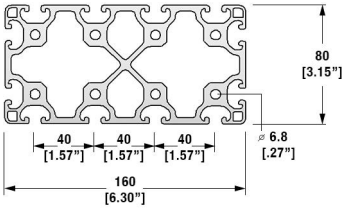
Profile 8 160x40 4N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
5.85 [3.93]	21.50 [3.33]	33.90 [.81]	512.66 [12.32]	16.52 [1.01]	64.08 [3.91]	cut-off max. 6000mm [19.69']	816440
						pcs=6040mm [19.82']	816446
						PU=4x6000mm=24m [78.74']	816449



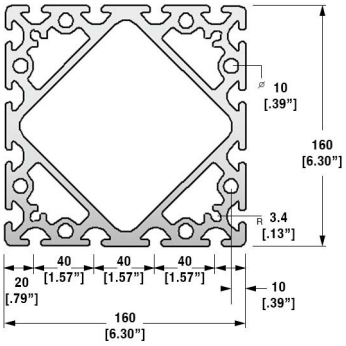
Profile 8 160x80

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
13.46 [9.04]	50.07 [7.76]	360.89 [8.67]	1228.33 [29.51]	90.22 [5.51]	153.54 [9.37]	cut-off max. 6000mm [19.69']	816800
						pcs=6040mm [19.82']	816806
						pcs=4010mm [13.16']	816804
						PU=2x6000mm=12m [39.37']	816809
						PU=2x4000mm=8m [26.25']	816808



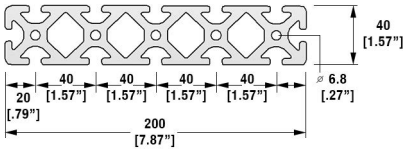
Profile 8 160x80 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
10.05 [6.75]	37.80 [5.86]	267.07 [6.42]	907.88 [21.81]	66.77 [4.07]	113.48 [6.92]	cut-off max. 6000mm [19.69']	816810
						pcs=6040mm [19.82']	816816
						pcs=4010mm [13.16']	816814
						PU=2x6000mm=12m [39.37']	816819
						PU=2x4000mm=8m [26.25']	816818



Profile 8 160x160

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
20.02 [13.45]	74.20 [11.50]	2355 [56.57]	2355 [56.57]	294.40 [17.96]	294.40 [17.96]	cut-off max. 6000mm [19.69']	816600
						pcs=6040mm [19.82']	816606



Profile 8 200x40

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
10.69 [7.18]	39.60 [6.13]	65.62 [1.57]	1411.47 [33.91]	32.81 [2.00]	141.14 [8.61]	cut-off max. 6000mm [19.69']	820400
						pcs=6040mm [19.82']	820406
						PU=2x6000mm=12m [39.37']	820409

PROFILE

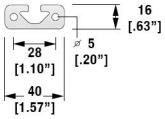
L8F - FLAT PROFILES

- Used for attaching elements or as a mounting surface
- For building frames, struts or support elements
- Construct grip rails or handles

LINE APPLICATION

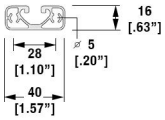
Low construction height allows for shallow depth requirements.

L8F flat profiles can be used for building sliding carriages for roller guides.



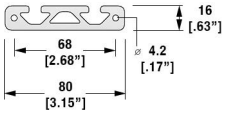
Profile 8 40x16

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.16 [.78]	4.28 [.66]	1.09 [.02]	6.95 [.16]	1.27 [.07]	3.47 [.21]	cut-off max. 6000mm [19.69']	841600
						pcs=6040mm [19.82']	841606
						PU=10x6000mm=60m [196.85']	841609



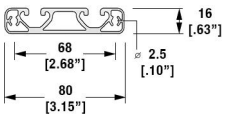
Profile 8 40x16 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.62 [.41]	2.28 [.35]	.67 [.01]	3.38 [.08]	.82 [.05]	1.69 [.10]	cut-off max. 3000mm [9.84']	841620
						pcs=3040mm [9.97']	841623
						PU=10x3000mm=30m [98.43']	841627



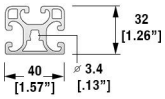
Profile 8 80x16

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.16 [1.45]	8.13 [1.26]	2.20 [.05]	50.76 [1.22]	2.69 [.16]	12.69 [.77]	cut-off max. 6000mm [19.69']	881600
						pcs=3040mm [9.97']	881603
						PU=10x3000mm=30m [98.43']	881609



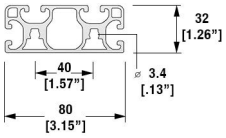
Profile 8 80x16 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.31 [.88]	4.86 [.75]	1.49 [.04]	26.80 [.64]	1.78 [.11]	6.70 [.41]	cut-off max. 6000mm [19.69']	881620
						pcs=3040mm [9.97']	881623
						PU=10x3000mm=30m [98.43']	881629



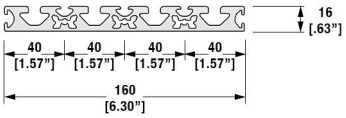
Profile 8 40x32 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.32 [.88]	4.90 [.75]	5.00 [.12]	7.19 [.17]	3.10 [.18]	3.52 [.21]	cut-off max. 6000mm [19.69']	**843210**
						pcs=6040mm [19.82']	**843216**
						PU=10x6000mm=60m [196.85']	**843219**



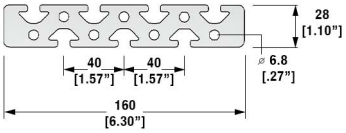
Profile 8 80x32 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.33 [1.56]	8.65 [1.34]	9.27 [.22]	53.73 [1.29]	5.76 [.35]	13.43 [.81]	cut-off max. 6000mm [19.69']	**883210**
						pcs=6040mm [19.82']	**883216**
						PU=5x6000mm=30m [98.43']	**883219**



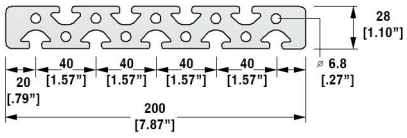
Profile 8 160x16

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
3.70 [2.48]	13.88 [2.15]	3.76 [.09]	307.83 [7.40]	4.19 [.25]	38.48 [2.35]	cut-off max. 3000mm [9.84']	**816060**
						pcs=3040mm [9.97']	**816063**
						PU=5x3000mm=15m [49.21']	**816069**



Profile 8 160x28

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
8.39 [5.64]	31.07 [4.81]	20.49 [.49]	726.82 [18.32]	14.33 [.87]	90.85 [5.54]	cut-off max. 6000mm [19.69']	**816200**
						pcs=6040mm [19.82']	**816206**
						PU=5x6000mm=30m [98.43']	**816209**



Profile 8 200x28

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
10.33 [6.94]	38.39 [5.95]	25.37 [.61]	1383.53 [33.24]	17.74 [1.08]	138.35 [8.44]	cut-off max. 6000mm [19.69']	**820200**
						pcs=6040mm [19.82']	**820206**
						PU=2x6000mm=12m [39.37']	**820209**

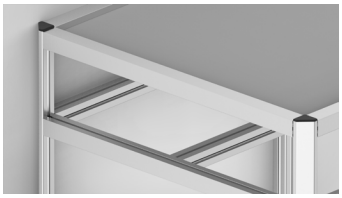
PROFILE

L8A - ANGLED PROFILES

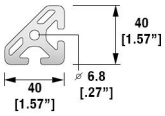
- Provides up to three connection points
- Ideal for creating a more visually attractive frame
- Increases connection options

LINE APPLICATION

L8A profiles increase connection possibilities. Combinations can be made for attractive right-angled corners.

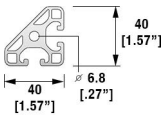


Angled profiles are ideal for tables and carts, for both aesthetics and providing smooth visible surfaces.



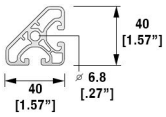
Profile 8 40x40-45°

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.98 [1.33]	7.34 [1.13]	9.39 [.23]	9.39 [.23]	4.12 [.25]	4.12 [.25]	cut-off max. 6000mm [19.69']	844500
						pcs=6040mm [19.82']	844506
						PU=8x6000mm=48m [157.48']	844509



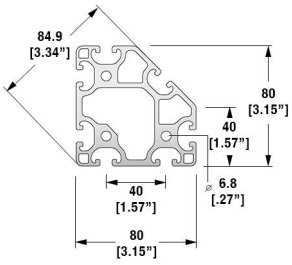
Profile 8 40x40-45° Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.50 [1.01]	5.57 [.86]	6.50 [.16]	6.50 [.16]	2.94 [.17]	2.94 [.17]	cut-off max. 6000mm [19.69']	844510
						pcs=6040mm [19.82']	844516
						PU=8x6000mm=48m [157.48']	844519



Profile 8 40x40-45° E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.23 [.82]	4.35 [.67]	5.70 [.14]	5.70 [.14]	2.51 [.15]	2.51 [.15]	cut-off max. 6000mm [19.69']	844520
						pcs=6040mm [19.82']	844526
						PU=8x6000mm=48m [157.48']	844529



Profile 8 80x80-45° Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
5.09 [3.42]	18.86 [2.92]	109.11 [2.62]	109.11 [2.62]	24.97 [.6]	24.97 [.6]	cut-off max. 6000mm [19.69']	888510
						pcs=6040mm [19.82']	888516
						PU=4x6000mm=24m [78.74']	888519

PROFILE

L8R - RADIUS PROFILES

- Used for building frames, tables and enclosures
- More elegant option with two closed, rounded sides

LINE APPLICATION

L8R radius profiles are ideal for situations that require angled connections

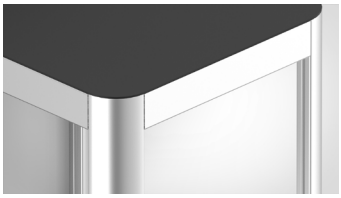
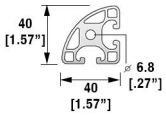
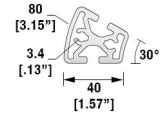


Table legs are commonly built with L8R profiles for solid support and asthetics.



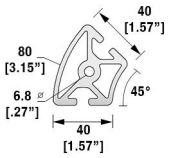
Profile 8 R40-90° Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.52 [1.02]	5.72 [.89]	6.63 [.15]	6.63 [.15]	3.01 [.18]	3.01 [.18]	cut-off max. 6000mm [19.69']	804910
						pcs=6040mm [19.82']	804916
						PU=8x6000mm=48m [157.48']	804919



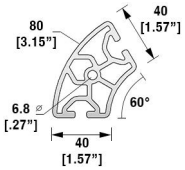
Profile 8 R40/80-30°

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.68 [1.13]	6.22 [.96]	6.42 [.15]	8.90 [.21]	2.84 [.17]	3.83 [.23]	cut-off max. 6000mm [19.69']	804830
						pcs=6040mm [19.82']	804836
						PU=6x6000mm=36m [118.11']	804839



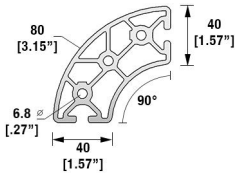
Profile 8 R40/80-45°

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.77 [1.86]	10.25 [1.58]	21.33 [.51]	16.06 [.39]	6.74 [.41]	6.14 [.37]	cut-off max. 6000mm [19.69']	804840
						pcs=6040mm [19.82']	804846
						PU=6x6000mm=36m [118.11']	804849



Profile 8 R40/80-60°

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.86 [1.92]	10.50 [1.63]	34.90 [.84]	22.64 [.54]	9.20 [.56]	7.50 [.46]	cut-off max. 6000mm [19.69']	804860
						pcs=6040mm [19.82']	804866
						PU=6x6000mm=36m [118.11']	804869



Profile 8 R40/80-90°

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
4.05 [2.72]	15.00 [2.33]	76.25 [1.83]	76.25 [1.83]	18.69 [1.14]	18.69 [1.14]

cut-off max. 6000mm [19.69']	**804890**
pcs=6040mm [19.82']	**804896**
PU=4x6000mm=24m [78.74']	**804899**

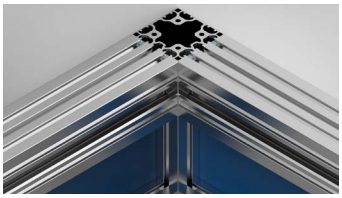
PROFILE

LX

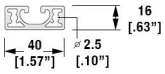
- A cleaner, sharper-edged profile
- Door profile
- Same dimensions and robust usage as L8
- Ideal for use in building enclosures

LINE APPLICATION

The sharp appearance and smaller curve-radius is the difference of LX profile. It has the same slot dimensions as the L8 profile line. Most L8 profiles and components can be used with LX.

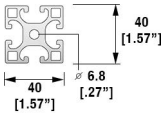


The LX-XMS profiles are ideal for building enclosures. The XMS line is a door-type profile used for corners. It enables wires to be tucked within the profile slot.



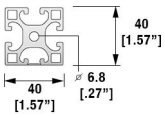
Profile LX 8 40x16 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.83 [.56]	3.08 [.47]	.89 [.02]	5.20 [.12]	1.06 [.06]	2.60 [.15]	cut-off max. 6000mm [19.69']	874600
						pcs=6040mm [19.82']	874606
						PU=10x6000mm=60m [196.85']	874609



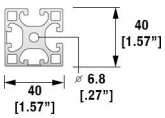
Profile LX 8 40x40 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.79 [1.20]	6.61 [1.02]	9.47 [.23]	9.47 [.23]	4.73 [.29]	4.73 [.29]	cut-off max. 6000mm [19.69']	874400
						pcs=6040mm [19.82']	874406
						PU=16x6000mm=96m [314.96']	874409



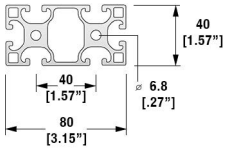
Profile LX 8 40x40 1N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.82 [1.22]	6.73 [1.04]	9.74 [.24]	9.74 [.24]	4.82 [.29]	4.73 [.29]	cut-off max. 6000mm [19.69']	874410
						pcs=6040mm [19.82']	874416
						PU=8x6000mm=48m [157.48']	874419



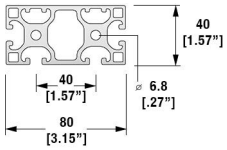
Profile LX 8 40x40 2N90 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.85 [1.24]	6.75 [1.05]	9.74 [.24]	9.74 [.24]	4.82 [.29]	4.82 [.29]	cut-off max. 6000mm [19.69']	874420
						pcs=6040mm [19.82']	874426
						PU=8x6000mm=48m [157.48']	874429



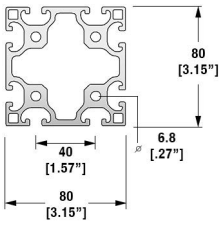
Profile LX 8 80x40 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
3.09 [2.08]	11.44 [1.77]	17.18 [.41]	71.65 [1.72]	8.59 [.52]	17.91 [1.09]	cut-off max. 6000mm [19.69']	878400
						pcs=6040mm [19.82']	878406
						PU=8x6000mm=48m [157.48']	878409



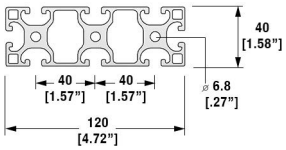
Profile LX 8 80x40 2N Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
3.30 [2.22]	12.23 [1.89]	19.96 [.47]	73.67 [1.76]	9.72 [.59]	18.42 [1.12]	cut-off max. 6000mm [19.69']	878420
						pcs=6040mm [19.82']	878426
						PU=8x6000mm=48m [157.48']	878429



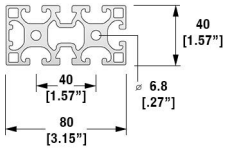
Profile LX 8 80x80 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
5.20 [3.49]	19.17 [2.97]	132.82 [3.19]	132.82 [3.19]	33.25 [2.02]	33.25 [2.02]	cut-off max. 6000mm [19.69']	878800
						pcs=6040mm [19.82']	878806
						PU=4x6000mm=24m [78.74']	878809



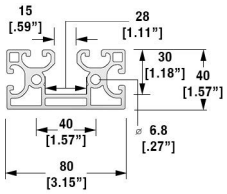
Profile LX 8 120x40 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
4.37 [2.93]	16.31 [2.53]	24.94 [.59]	225.53 [5.42]	12.47 [.76]	37.59 [2.29]	cut-off max. 6000mm [19.69']	872400
						pcs=6040mm [19.82']	872406
						PU=4x6000mm=24m [78.74']	872409



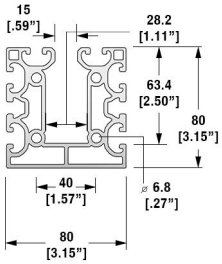
Profile LX 8 80x40 1N - XMS

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
3.47 [2.33]	12.85 [1.99]	18.38 [.44]	75.10 [1.80]	9.19 [.56]	18.54 [1.13]	cut-off max. 6000mm [19.69']	868410
						pcs=6040mm [19.82']	868416
						PU=8x6000mm=48m [157.48']	868419



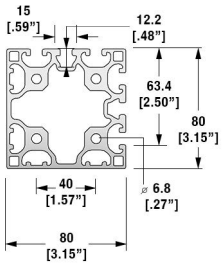
Profile LX 8 80x40 2N K15 - XMS

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.94 [1.97]	10.90 [1.68]	17.77 [.42]	71.11 [1.70]	8.28 [.50]	17.78 [1.08]	cut-off max. 6000mm [19.69']	868450
						pcs=6040mm [19.82']	868456
						PU=8x6000mm=48m [157.48']	868459



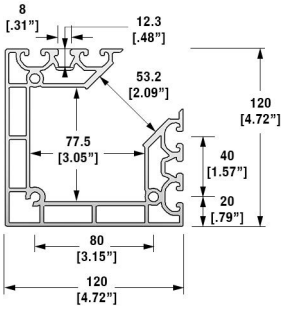
Profile LX 8 80x80 2N K15 - XMS

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
4.94 [3.32]	18.28 [2.83]	115.58 [2.77]	129.64 [3.11]	28.21 [1.72]	32.41 [1.97]	cut-off max. 6000mm [19.69']	868850
						pcs=6040mm [19.82']	868856
						PU=4x6000mm=24m [78.74']	868859



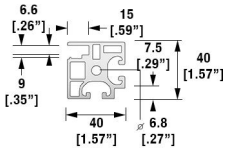
Profile LX 8 80x80 4N90 - XMS

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
5.50 [3.69]	20.37 [3.15]	140.08 [3.36]	140.08 [3.36]	34.82 [2.12]	34.82 [2.12]	cut-off max. 6000mm [19.69']	**868840**
						pcs=6040mm [19.82']	**868846**
						PU=4x6000mm=24m [78.74']	**868849**



Profile LX 8 120x120 K56 - XMS

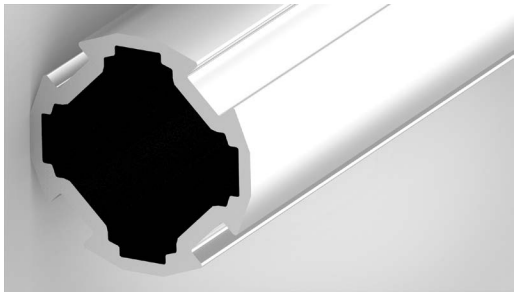
m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
6.57 [4.41]	24.32 [3.76]	409.20 [9.83]	409.20 [9.83]	61.46 [3.75]	61.46 [3.75]	cut-off max. 6000mm [19.69']	**862200**
						pcs=6040mm [19.82']	**862206**
						PU=4x6000mm=24m [78.74']	**862209**



Door Profile X 8 40x40 - XMS

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.88 [1.26]	6.98 [1.08]	9.58 [.23]	8.74 [.20]	4.45 [.27]	4.31 [.26]	cut-off max. 6000mm [19.69']	**864470**
						pcs=6040mm [19.82']	**864476**
						PU=8x6000mm=48m [157.48']	**864479**

PROFILE



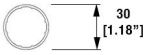
TUBULAR PROFILES

- All D30 profiles have a 30mm diameter that corresponds to L6 profiles
- Ideal for lean production applications
- Possesses a high load-carrying capacity

LINE APPLICATION

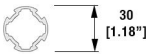
Tube D30 is the ideal choice when building light-weight applications including: leg posts, carts and handles.

Profile D30 is the ideal choice for buildng flow racks, roller conveyors and other lean manufacturing applications.



Tube D30

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.34 [.23]	1.26 [.19]	1.29 [.03]	1.29 [.03]	.86 [.052]	.86 [.052]	cut-off max. 6000mm [19.69']	603020
						pcs=6040mm [19.82']	603026
						PU=10x6000mm=60m [196.85']	603029



Profile Tube D30

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.53 [.35]	1.97 [.30]	1.71 [.04]	1.71 [.04]	1.14 [.06]	1.14 [.06]	cut-off max. 6000mm [19.69']	603010
						pcs=6040mm [19.82']	603016
						PU=10x6000mm=60m [196.85']	603019

Profile Tube D30 Heavy-Duty

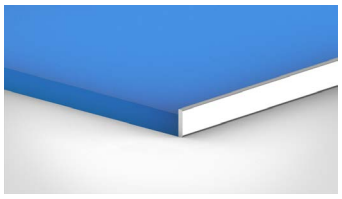
m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.21 [.81]	4.67 [.72]	3.06 [.07]	3.06 [.07]	2.04 [.12]	2.04 [.12]	cut-off max. 6000mm [19.69']	603000
						pcs=6040mm [19.82']	603006
						PU=10x6000mm=60m [196.85']	603009

PROFILE

SOLID PROFILE & EDGING

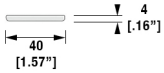
- Profile without grooves
- For edging panel elements
- Used for edging or grip rails

LINE APPLICATION



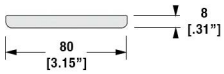
Profile F and LF can be used to create mounting surfaces such as adapter plates.

Used for stabalizing panel elements.



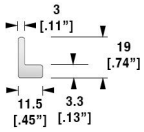
Profile F 40x4 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.42 [.28]	1.57 [.24]	2.06 [.05]	.02 [.001]	1.03 [.06]	.10 [.006]	cut-off max. 2000mm [6.56']	834400
						pcs=2010mm [6.59']	834402
						PU=20x2000mm=40m [131.23']	834409



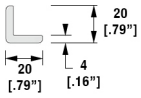
Profile F 80x8 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.70 [1.14]	6.32 [.98]	33.05 [.79]	.33 [.008]	8.26 [.50]	.81 [.05]	cut-off max. 2000mm [6.56']	838800
						pcs=2010mm [6.59']	838802
						PU=20x2000mm=40m [131.23']	838809



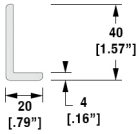
Profile Edging 19x11.5x3

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.28 [.19]	1.14 [.18]	.27 [.006]	.12 [.002]	.21 [.01]	.16 [.01]	cut-off max. 6000mm [19.69']	801900
						pcs=6040mm [19.82']	801906
						PU=16x6000mm=96m [314.96']	801909



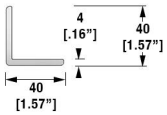
Profile LF 20x20x4 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.38 [.25]	1.41 [.21]	.48 [.01]	.48 [.01]	.35 [.02]	.35 [.02]	cut-off max. 2000mm [6.56']	832240
						pcs=2010mm [6.59']	832242
						PU=20x2000mm=40m [131.23']	832249



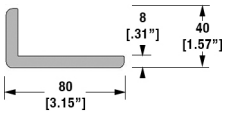
Profile LF 40x20x4 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.59 [.39]	2.21 [.34]	.59 [.01]	3.52 [.08]	.38 [.02]	1.4 [.08]	cut-off max. 2000mm [6.56']	**834240**
						pcs=2010mm [6.59']	**834242**
						PU=20x2000mm=40m [131.23']	**834249**



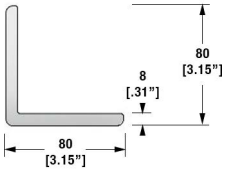
Profile LF 40x40x4 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.81 [.54]	3.01 [46]	4.51 [.10]	4.51 [.10]	1.58 [.09]	1.58 [.09]	cut-off max. 2000mm [6.56']	**834440**
						pcs=2010mm [6.59']	**834442**
						PU=20x2000mm=40m [131.23']	**834449**



Profile LF 80x40x8 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.39 [1.60]	8.85 [1.37]	9.48 [.22]	56.54 [1.35]	3.12 [.19]	11.25 [.68]	cut-off max. 2000mm [6.56']	**838480**
						pcs=2010mm [6.59']	**838482**
						PU=10x2000mm=20m [65.62']	**838489**



Profile LF 80x80x8 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
3.25 [2.18]	12.05 [1.86]	72.27 [1.73]	72.27 [1.73]	12.66 [.77]	12.66 [.77]	cut-off max. 2000mm [6.56']	**838880**
						pcs=2010mm [6.59']	**838882**
						PU=10x2000mm=20m [65.62']	**838889**

PROFILE

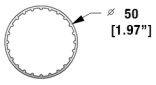
CONVEYOR PROFILES

- Profiles and accessories used to create conveyor applications
- Caster Rail Insert options allow for versatile and efficient material handling design
- Tube D50 is the standard tubular profile used for rollers

LINE APPLICATION

There are many different caster rail insert options for controlling conveyor systems. These inserts include: brush strips, ball inserts, roller units, half-roller units, transition ramps, etc.

Caster Rail Inserts are simple to install and are interchangeable based on changing requirements.

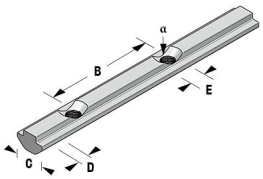


Tube D50 AL

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.76 [.51]	5.45 [.84]	7.33 [.18]	7.33 [.18]	2.88 [.18]	2.88 [.18]	cut-off max. 6000mm [19.69']	805000
						pcs=6040mm [19.82']	805006
						PU=9x6000mm=54m [177.17']	805009

Roller Bearings

- To complete the installation, Conveyor Roller TR50 Bearing Set is available.
- **1 set - #144144 | 20 sets - #244144**

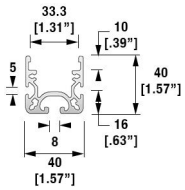


Groove Profile 8 AL M8-40

m = kg/m [lb/ft]	B = mm [in]	C = mm [in]	D = mm [in]	E = mm [in]	d Ø		
.50 [.33]	40	16	9.5	16	8	cut-off max. 2000mm [6.56']	816840
						pcs=2000mm [6.56']	816842
						PU=10x2000mm=20m [65.62']	816849

Groove Profile 8 AL M8-60

m = kg/m [lb/ft]	B = mm [in]	C = mm [in]	D = mm [in]	E = mm [in]		
.51 [.34]	60	16	9.5	16	cut-off max. 2000mm [6.56']	816860
					pcs=2000mm [6.56']	816862
					PU=10x2000mm=20m [65.62']	816869



Castor Rail 8 40x40

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
1.34 [.90]	4.65 [.72]	5.65 [.14]	9.87 [.24]	3.86 [.24]	4.93 [.30]

cut-off max. 6000mm [19.69']	**800100**
pcs=6040mm [19.82']	**800106**
PU=20x6000mm=120m [393.70']	**800109**

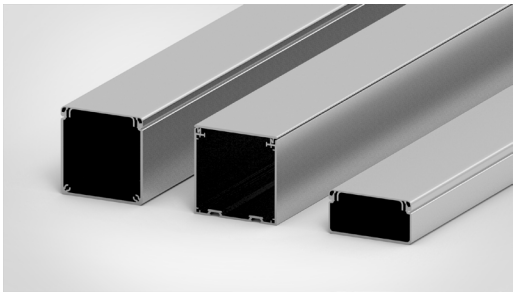
Roller Track Options

- Roller Tracks can be customized with different color inserts, roller flange options and sizes. Castor inserts can be provided with or without flanged wheel.

Castor Rail Cap

- The secure cap for Castor Rail profiles. It can also act as an impact buffer.
- **40x40 - 1pc #132959 | 80x40 - 1pc #132961**

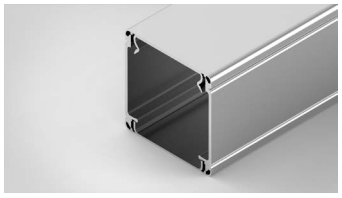
PROFILE



INSTALLATION PROFILE

- Conduit profiles safely route wiring
- Framing system that incorporates cabling
- Profiles to support side conduit paneling

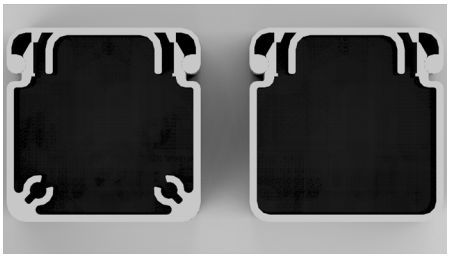
LINE APPLICATION



Wall and Support profiles can be constructed together to create a more customizable conduit.

Conduit profiles, paired with Lid profiles are a simple solution that can be easily modified. Accessing material in the conduit is done by simply popping off the Lid profile.

Fixed Installation Elements - E

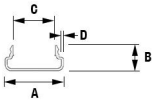


Conduit SE vs. E

- Conduit SE - the main difference you can see is the screw channels. This conduit is idealy used for end pieces.
- Conduit E - this profile does not have the screw channels. This conduit is ideally used betweeen other profiles.

Conduit Caps

- Conduit SE profiles utilize Conduit Caps. They are screwed in for maximum security.
- Conduit E profiles do not have caps. These profiles are intended to be used as in-between pieces that do not require the need for caps.



Conduit Profile U 30x30 E

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
.30 [.20]	1.12 [.17]	30 [1.18]	27.5 [1.08]	19 [.75]	1.3 [.051]	cut-off max. 3000mm [9.84']	853320
						pcs=3040mm [9.97']	853323
						PU=12x3000mm=36m [118.11']	853329

Conduit Profile U 40x20 E

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
.27 [.18]	1.01 [.16]	40 [1.57]	17 [.66]	28 [1.10]	1.5 [.059]	cut-off max. 3000mm [9.84']	854200
						pcs=3040mm [9.97']	854203
						PU=12x3000mm=36m [118.11']	854209

Conduit Profile U 40x40 E

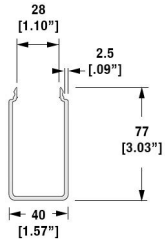
m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
.45 [.30]	1.70 [.26]	40 [1.57]	37 [1.46]	28 [1.10]	1.5 [.059]	cut-off max. 3000mm [9.84']	854420
						pcs=3040mm [9.97']	854423
						PU=12x3000mm=36m [118.11']	854429

Conduit Profile U 60x60 E

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
.91 [.61]	3.38 [.52]	60 [2.36]	57.5 [.2.26]	49 [1.93]	2 [.079]	cut-off max. 3000mm [9.84']	**856620**
						pcs=3040mm [9.97']	**856623**
						PU=8x3000mm=24m [78.74']	**856629**

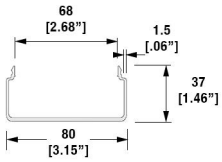
Conduit Profile U 80x80 E

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
1.52 [1.02]	5.61 [.87]	80 [3.14]	77 [3.03]	68 [2.67]	2.5 [.098]	cut-off max. 3000mm [9.84']	**858820**
						pcs=3040mm [9.97']	**858823**
						PU=8x3000mm=24m [78.74']	**858829**



Conduit Profile U 80x40 D40 E

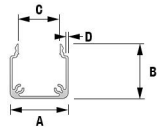
m = kg/m [lb/ft]	Area = cm² [in²]		
1.25 [.84]	4.62 [.72]	cut-off max. 3000mm [9.84']	**854020**
		pcs=3040mm [9.97']	**854023**
		PU=8x3000mm=24m [78.74']	**854029**



Conduit Profile U 80x40 D80 E

m = kg/m [lb/ft]	Area = cm² [in²]		
.82 [.55]	3.06 [.47]	cut-off max. 3000mm [9.84']	**858020**
		pcs=3040mm [9.97']	**858023**
		PU=8x3000mm=24m [78.74']	**858029**

Fixed Installation Elements - SE



Conduit Profile U 40x40 SE

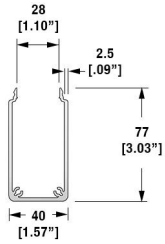
m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
.61 [.41]	2.23 [.35]	40 [1.57]	37 [1.45]	28 [1.10]	1.5 [.059]	cut-off max. 3000mm [9.84']	**854400**
						pcs=3040mm [9.97']	**854403**
						PU=12x3000mm=36m [118.11']	**854409**

Conduit Profile U 60x60 SE

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
1.02 [.68]	3.82 [.59]	60 [2.36]	57.5 [2.26]	50 [1.97]	2 [.078]	cut-off max. 3000mm [9.84']	**856600**
						pcs=3040mm [9.97']	**856603**
						PU=8x3000mm=24m [78.74']	**856609**

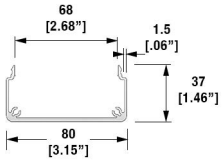
Conduit Profile U 80x80 SE

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
1.64 [1.1]	6.1 [.95]	80 [3.14]	77 [3.03]	68 [2.67]	2.5 [.098]	cut-off max. 3000mm [9.84']	**858800**
						pcs=3040mm [9.97']	**858803**
						PU=8x3000mm=24m [78.74']	**858809**



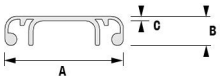
Conduit Profile U 80x40 D40 SE

m = kg/m [lb/ft]	Area = cm² [in²]		
1.37 [.92]	5.11 [.79]	cut-off max. 3000mm [9.84']	**858440**
		pcs=3040mm [9.97']	**858443**
		PU=12x3000mm=36m [118.11']	**858449**



Conduit Profile U 80x40 D80 SE

m = kg/m [lb/ft]	Area = cm² [in²]		
.96 [.64]	3.6 [.56]	cut-off max. 3000mm [9.84']	**858480**
		pcs=3040mm [9.97']	**858483**
		PU=8x3000mm=24m [78.74']	**858489**



Lid Profile D30 E

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]
.23 [.15]	.85 [.13]	30 [1.18]	8.4 [.33]	1.5 [.059]

cut-off max. 3000mm [9.84']	**850320**
pcs=3040mm [9.97']	**850323**
PU=8x3000mm=24m [78.74']	**850329**

Lid Profile D40 E

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]
.30 [.20]	1.13 [.18]	40 [1.57]	9.5 [.37]	1.5 [.059]

cut-off max. 3000mm [9.84']	**850420**
pcs=3040mm [9.97']	**850423**
PU=12x3000mm=36m [118.11']	**850429**

Lid Profile D60 E

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]
.41 [.27]	1.50 [.23]	60 [2.36]	8.4 [.33]	1.5 [.059]

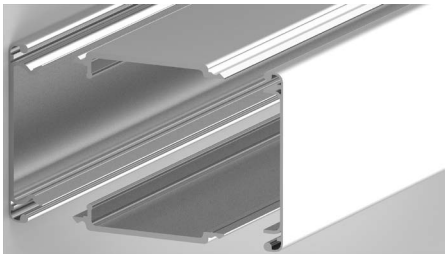
cut-off max. 3000mm [9.84']	**850620**
pcs=3040mm [9.97']	**850623**
PU=8x3000mm=24m [78.74']	**850629**

Lid Profile D80 E

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]
.57 [.38]	2.12 [.33]	80 [3.14]	9.5 [.37]	1.5 [.059]

cut-off max. 3000mm [9.84']	**850820**
pcs=3040mm [9.97']	**850823**
PU=8x3000mm=24m [78.74']	**850829**

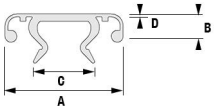
Modular Installation Elements



Versatility & Accessibility

- Modular Wall and Support profiles can be constructed to make up numerous different sizes based on your requirements.
- The construction of the profiles allow for accessibility on any side, making it simpler to access its contents.

- Support and Wall profiles have identical outter dimensions.
- For construction, move the Wall profiles into the Support profile.



Support Profile 40

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
.47 [.31]	1.74 [.27]	40 [1.57]	16.5 [.64]	11 [.433]	2.5 [.098]	cut-off max. 3000mm [9.84']	**854000**
						pcs=3040mm [9.97']	**854003**
						PU=10x3000mm=30m [98.43']	**854009**

Support Profile 80

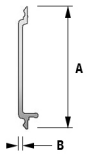
m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
.74 [.50]	2.73 [.42]	80 [3.14]	16.5 [.64]	51 [2.01]	2.5 [.098]	cut-off max. 3000mm [9.84']	**858000**
						pcs=3040mm [9.97']	**858003**
						PU=10x3000mm=30m [98.43']	**858009**

Support Profile 120

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
1.01 [.68]	3.73 [.58]	120 [4.72]	16.5 [.64]	91 [3.58]	2.5 [.098]	cut-off max. 3000mm [9.84']	**851200**
						pcs=3040mm [9.97']	**851203**
						PU=10x3000mm=30m [98.43']	**851209**

Support Profile 160

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]		
1.27 [.85]	4.73 [.73]	160 [6.29]	16.5 [.64]	131 [5.15]	2.5 [.098]	cut-off max. 3000mm [9.84']	**851600**
						pcs=3040mm [9.97']	**851603**
						PU=10x3000mm=30m [98.43']	**851609**



Wall Profile 40

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]		
.20 [.13]	.76 [.12]	34 [1.34]	1.3 [.05]	cut-off max. 3000mm [9.84']	**850400**
				pcs=3040mm [9.97']	**850403**
				PU=20x3000mm=60m [196.85']	**850409**

Wall Profile 80

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]		
.55 [.37]	2.03 [.31]	74 [2.91]	2.5 [.098]	cut-off max. 3000mm [9.84']	**850800**
				pcs=3040mm [9.97']	**850803**
				PU=10x3000mm=30m [98.43']	**850809**

Wall Profile 120

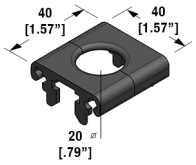
m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]
.82 [.55]	3.04 [.47]	114 [4.48]	2.5 [.098]

cut-off max. 3000mm [9.84']	**850120**
pcs=3040mm [9.97']	**850123**
PU=10x3000mm=30m [98.43']	**850129**

Wall Profile 160

m = kg/m [lb/ft]	Area = cm² [in²]	A = mm [in]	B = mm [in]
1.09 [.73]	4.04 [.63]	154 [6.06]	2.5 [.098]

cut-off max. 3000mm [9.84']	**850160**
pcs=3040mm [9.97']	**850163**
PU=10x3000mm=30m [98.43']	**850169**

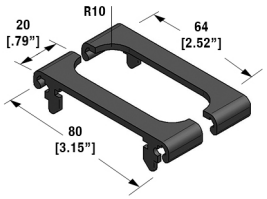


Cable Entry Protector Lid 40

m = g [lb]
7 [.01]

Black

1 pc	**100237**
1 PU=100 pcs	**200237**

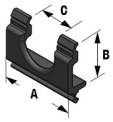


Cable Entry Protector Lid 80

m = g [lb]
9 [.02]

Black

1 pc	**100241**
1 PU=100 pcs	**200241**



Cable Entry Protector Wall 40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
5 [.01]	40 [1.57]	33.5 [1.32]	20 [.79]

Black

1 pc	**100242**
1 PU=100 pcs	**200242**

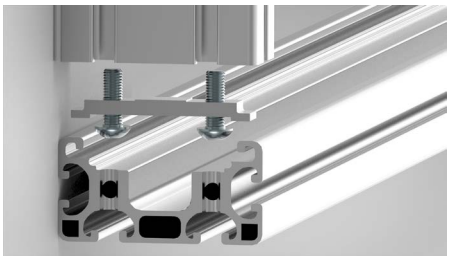
Cable Entry Protector Wall 80

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
9 [.02]	40 [1.57]	73.5 [2.89]	20 [.79]

Black

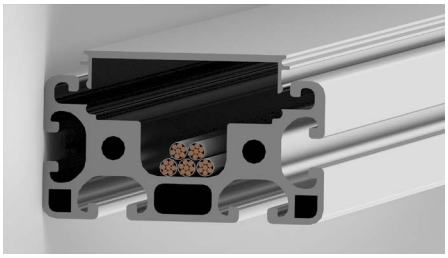
1 pc	**100246**
1 PU=100 pcs	**200247**

Stand Installation Elements



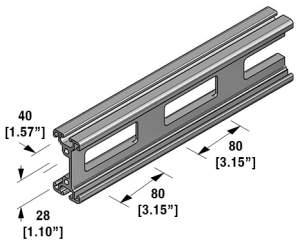
Stand Profile Connection Element 8

- Used in conjunction with Stand Profile for connection.
- **1pc - #807140 | 100 pcs - #807149**



Cover Profile 60

- Use Cover Profile 60 to hide wiring and other elements with Stand Profile.
- **cut-off - #806110 | 1pc - #806113**



Stand Profile 8 80x40 2xK60

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.08 [1.40]	7.84 [1.22]	64.19 [1.52]	7.75 [.19]	16.05 [.98]	3.67 [.22]	cut-off max. 6000mm [19.69']	**884060**
						pcs=6040mm [19.82']	**884066**
						PU=8x6000mm=48m [157.48']	**884069**

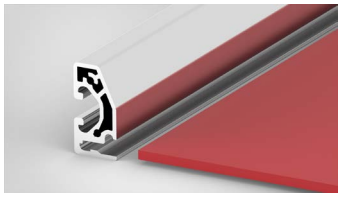
PROFILE

FRAMING PROFILE

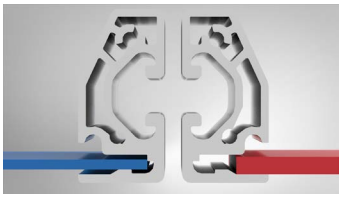
- Used to create shelves and drawers
- Stable edging for panel elements
- Allows for edge protecting for shelves

LINE APPLICATION

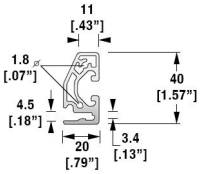
8



Panel elements are inserted directly into the opening of the frame profile.



Panels ranging between 2-3.2mm thick, fit fully into the groove. Panels ranging between 3.2-4mm thick, stop at the notch in the groove.

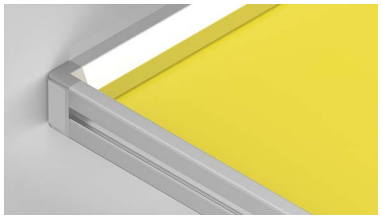


Frame Profile 8 40x20

8

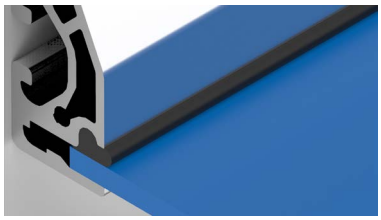
m = kg/m [lb/ft]
.88 [.59]

cut-off max. 6000mm [19.69']	**804200**
pcs=6040mm [19.82']	**804206**
PU=8x6000mm=48m [157.48']	**804209**



Corner-Fastening Set 40x20

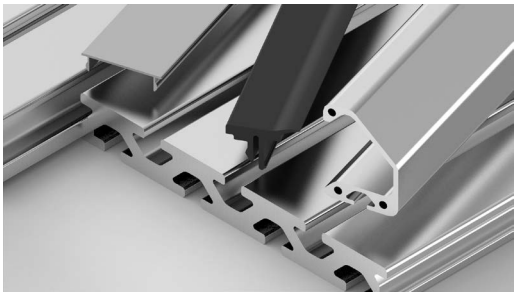
- The Corner Fastening Set is screwed into the frame profile without any machining required
- **1 set - #135407 | 1 PU=10 sets - #235407**



Retaining Cord D6

- Retaining Cords provide secure connections to prevent panel movement.
- **1 Gray roll=200mm - #135435 | Gray cut-off - #235435**

PROFILE

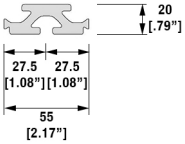


SPECIALTY PROFILE

- Wide array of miscellaneous profiles
- Specific functioning profiles
- Increases connection options

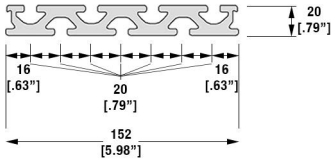
LINE APPLICATION

5 6 8



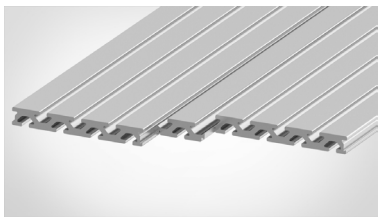
Bed Plate Connection Profile 8 55x20

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.54 [1.03]	5.71 [.88]	2.12 [.05]	11.30 [.27]	1.98 [.12]	4.10 [.25]	cut-off max. 6000mm [19.69']	855200
						pcs=6040mm [19.82']	855206
						PU=4x6000mm=24m [78.74']	855209



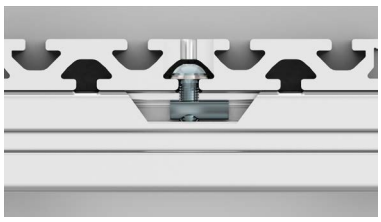
Bed Plate Profile 8 152x20

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
4.97 [3.34]	18.39 [2.85]	7.39 [.17]	350.50 [8.42]	7.20 [.43]	46.12 [2.81]	cut-off max. 6000mm [19.69']	815200
						pcs=6040mm [19.82']	815206
						PU=4x6000mm=24m [78.74']	815209



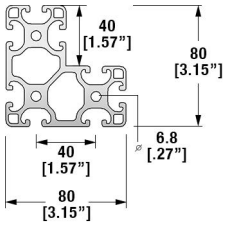
What is it?

- Bed Plate profiles are designed to join together horizontally. This junction creates additional grooves and connection points.



How to install it

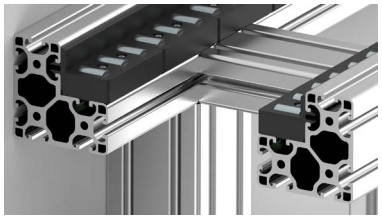
- Bed Plate profiles install to each other horizontally. Then they can be fastened to a frame structure using a button-head screw.



Profile 8 L80x80x40 Light

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
4.80 [3.22]	17.78 [2.75]	95.32 [2.30]	95.32 [2.30]	20.54 [1.25]	20.54 [1.25]	cut-off max. 6000mm [19.69’]	**808840**
						pcs=6040mm [19.82’]	**808846**
						PU=4x6000mm=24m [78.74’]	**808849**

Matching cap: 1 pcs. - #100040

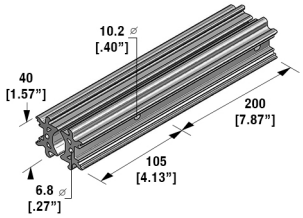


What is it?

- Profile L 80x80x40 ideally is used for creating enclosure or hard guarding corner posts. Using this profile eliminates the need to fasten two profiles together to create a corner.

Other usages

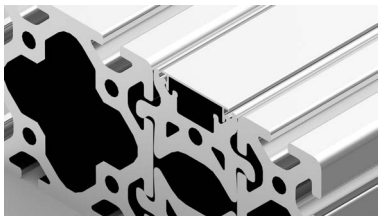
- Alternatively, this profile is ideal for containing roller elements for conveyor applications.



Connection Profile 8 40

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.40 [1.61]	8.97 [1.39]	5.70 [.13]	19.82 [.47]	2.88 [.17]	6.95 [.42]	cut-off max. 6000mm [19.69’]	**804370**
						pcs=6040mm [19.82’]	**804376**
						PU=6x6000mm=36m [118.11’]	**804379**

All values are for individual profiles. Connection screws are not included.
Cover Profile 32 is used with Connection Profile create a dust-tight cover.

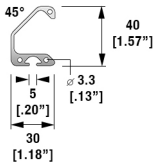


What is it?

- Connection profile is supplied in pairs. It is used to provide open and closed support.

Cover Profile 32

- Cover Profile 32 is made solely for Connection Profile. It is used to cover Connection Profile Grooves for a clean installation.
- **cut-off - #807320 |1 pc - #807323**

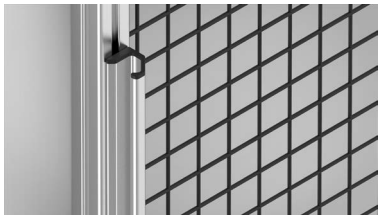


Grip Rail Profile

m = kg/m [lb/ft]	Area = cm² [in²]
.77 [.52]	2.84 [.44]

cut-off max. 3000mm [9.84']	**805100**
pcs=3040mm [9.97']	**805103**
PU=10x3000mm=30m [98.43']	**805109**

For a clean installation, add the Grip Rail Cap Set - Part No. 126191

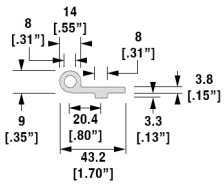


What is it?

- Grip Rail is a profile with an elongated cavity that produces a comfortable feel for opening and closing elements.

How to install it

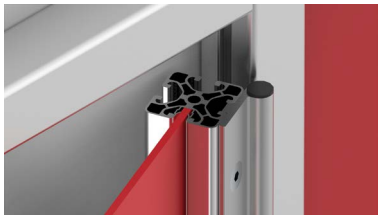
- Grip Rail profiles are fastened with a T-slot nut.



Hinge Leaf Profile V 8 E Light

m = kg/m [lb/ft]
.73 [.49]

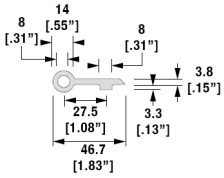
cut-off max. 3000mm [9.84']	**843010**
pcs=3040mm [9.97']	**843013**
PU=10x3000mm=30m [98.43']	**843019**



What is it?

- Hinge Leaf E is a hinge profile that fastens directly to the outer side of the profile groove. Countersinks must be provided for screw fastening.

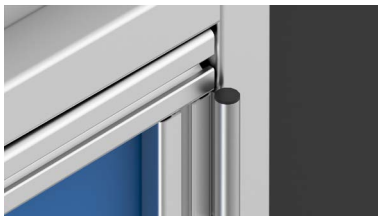
- Outer connection hinge profile. The leaf is fastened on the outer part of the profile, making it a visible connection. This is ideal for situations that require frequent modification.



Hinge Leaf Profile V 8 Z Light

m = kg/m [lb/ft]
.73 [.49]

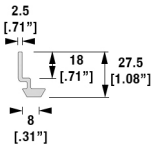
cut-off max. 3000mm [9.84']	**846010**
pcs=3040mm [9.97']	**846013**
PU=10x3000mm=30m [98.43']	**846019**



What is it?

- Hinge Leaf Z is a hinge profile that fastens directly to the inner side of the profile groove. Countersinks must be provided for screw fastening.

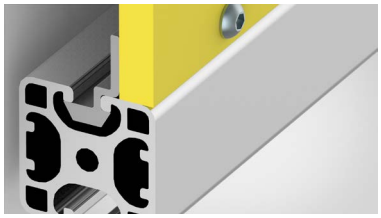
- Inner connection hinge profile. The leaf is fastened directly on the inner part of the profile, allowing for a clean installation.



Rebate Profile 8 AL

m = kg/m [lb/ft]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]
.31 [.21]	.56 [.01]	.15 [.003]	.09 [.005]

cut-off max. 2000mm [6.56']	**827500**
pcs=2000mm [6.56']	**827502**
PU=10x2000mm=20m [65.62']	**827509**

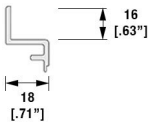


What is it?

- Rebate profile is a variable fastener profile for elements between profiles. The result is flush connections without the need for machining.

How to install it

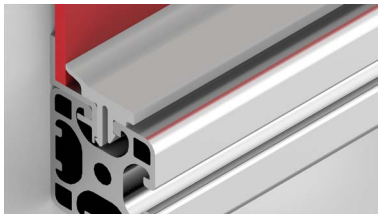
- Insert the Rebate profile at an angle and then roll it into position. Secure it by tightening the grub screws until they make a firm connection with the profile groove.

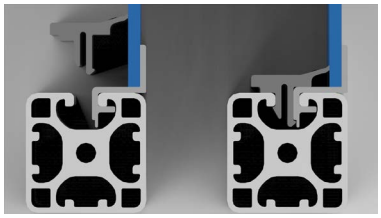


Panel-Clamping Strip 8 AL

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
.25 [.17]	.91 [.14]	.36 [.008]	.41 [.009]	.24 [.014]	.45 [.027]

cut-off max. 3000mm [9.84']	**806180**
pcs=3040mm [9.97']	**806183**
PU=10x3000mm=30m [98.43']	**806189**



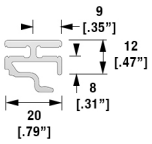


What is it?

- Panel-Clamping Strips are ideal for situations in which panels need to be added to an existing construction.
- New construction usage is ideal when wanting panels flush with the profile itself.

How to install it

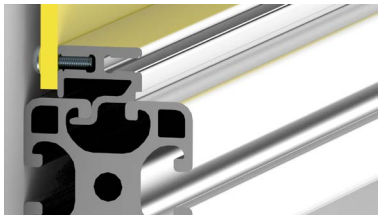
- Consisting of two pieces, the aluminum strip sets in the profile groove and holds the panel. The second piece, a plastic strip, is placed in after the aluminum strip is installed. The plastic strip is used to secure both the panel and the aluminum strip in position.
- Panel-Clamping Strips only require straight saw cuts.

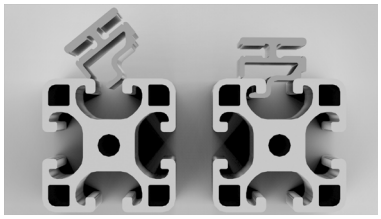


Double Panel Profile 8 AL E

m = kg/m [lb/ft]	Area = cm² [in²]
.36 [.24]	1.35 [.21]

cut-off max. 3000mm [9.84']	**802020**
pcs=3040mm [9.97']	**802023**
PU=16x3000mm=48m [157.48']	**802029**



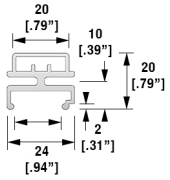


What is it?

- Double Panel Profile E is used for building double-walled frame elements.

How to install it

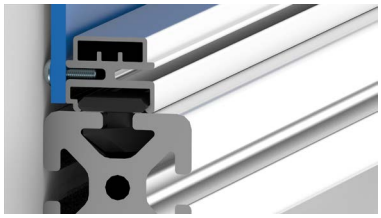
- This profile's lip is secured into an 8mm - L8 groove, resulting in a sturdy connection, without the need for additional bolted connections.



Double Panel Profile 8 AL

m = kg/m [lb/ft]	Area = cm² [in²]
.44 [.30]	1.62 [.25]

cut-off max. 3000mm [9.84']	**802000**
pcs=3040mm [9.97']	**802003**
PU=10x3000mm=30m [98.43']	**802009**

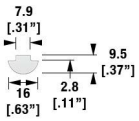


What is it?

- Double Panel Profile is used for building double-walled frame elements.

How to install it

- Clip 8 PA is utilized to secure the Double Panel profile to the profile groove.



Groove Profile 8 AL

m = kg/m [lb/ft]
.29 [.19]

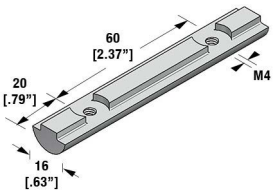
cut-off max. 2000mm [6.56']	**816000**
pcs=2000mm [6.56']	**816002**
PU=10x2000mm=20m [65.62']	**816009**

What is it?

- Groove Profile 8 AL is a versatile profile. It can be used for mounting directly to the groove of the T-slot or to create T-slot nuts by cutting the groove into pieces.

How to install it

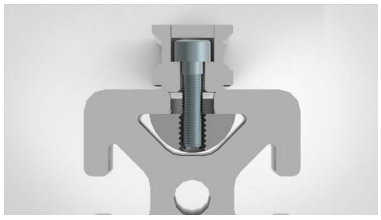
- For mounting purposes, simply slide into the groove and move to desired position.



Groove Profile 8 AL M4-60

m = kg/m [lb/ft]
.59 [.40]

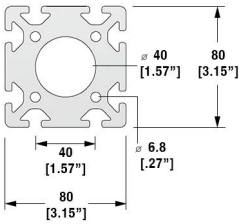
cut-off max. 2000mm [6.56']	**816460**
pcs=2000mm [6.56']	**816462**
PU=10x2000mm=20m [65.62']	**816469**



What is it?

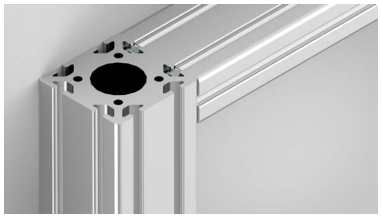
- Groove Profile 8 M4-60 is used to secure linear guide rails in the groove of profiles.

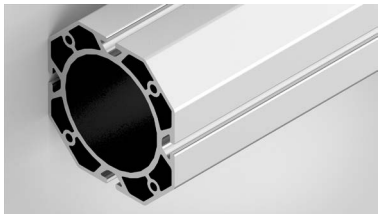
- Linear guides are bolted into the Groove Profile using socket head caps.



Profile 8 80x80 D40

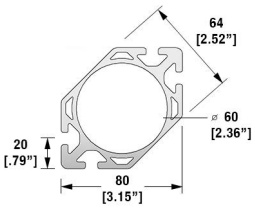
m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
10.04 [6.75]	37.2 [14.65]	222 [87.4]	222 [87.4]	55.5 [21.85]	55.5 [21.85]	cut-off max. 3000mm [9.84']	**888400**
						pcs=3040mm [9.97']	**888403**





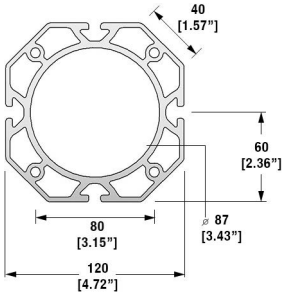
What is it?

- Profile 8 D has a large central bore that can be used to contain shafts and spindles.



Profile 8 80x80-45° D60

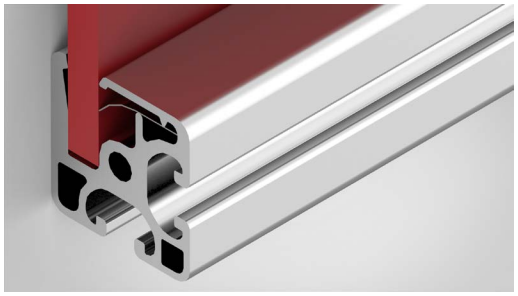
m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
4.12 [2.77]	15.26 [6]	109.56 [43.13]	109.56 [43.13]	27.39 [10.78]	27.39 [10.78]	cut-off max. 3000mm [9.84']	**888600**
						pcs=3040mm [9.97']	**888603**



Profile 8 120x120-45° D87

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
8.45 [5.68]	31.29 [12.32]	465.86 [183.41]	465.86 [183.41]	77.64 [30.57]	77.64 [30.57]	cut-off max. 3000mm [9.84']	**812280**
						pcs=3040mm [9.97']	**812283**

PROFILE

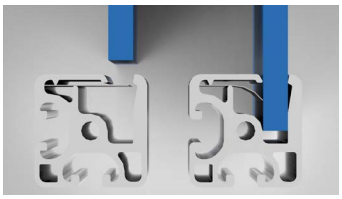


CLAMP PROFILE

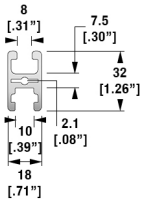
- For building stable frame elements
- Used to create large-area guards and enclosures
- Holds panel with more secure clamping spring

LINE APPLICATION

Clamp profile uses the appropriate clamping spring to increase stability and clamping strengh between the profile and material it is holding.

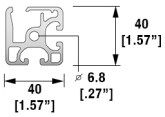


As panel elements or mesh are inserted into clamp profile, its clamp spring compresses, putting force on the contained element.



Clamp Profile 8 32x18

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
.67 [.45]	2.48 [.38]	1.87 [.04]	1.10 [.02]	1.15 [.07]	1.22 [.07]	cut-off max. 6000mm [19.69']	803280
						pcs=6040mm [19.82']	803286
						PU=10x6000mm=60m [196.85']	803289



Clamp Profile 8 40x40 E

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
1.74 [1.17]	6.45 [.99]	8.87 [.21]	10.68 [.25]	4.32 [.26]	5.30 [.32]	cut-off max. 6000mm [19.69']	804420
						pcs=6040mm [19.82']	804426
						PU=16x6000mm=96m [314.96']	804429

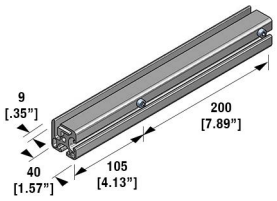
Sold Separately - Clamp Profile Strip & Lip Seal

Clamp Profile Strip 8 30x0.15 E Stainless

- The Clamp Profile Strip is forced down upon panel insertion and then provides a stable connection.
- **cut-off max. 3000mm - #802850 | stainless 1 roll length 30m - #802859**

Clamp Profile Fastener 8 40x40

- This part suspends panels within the frame. Easy access for quick installation and removal is possible due to the open back of the fastener.



Clamp Profile 8 40x40

m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.30 [1.55]	7.46 [1.15]	9.58 [.23]	11.96 [.29]	4.55 [.28]	5.93 [.36]	cut-off max. 6000mm [19.69']	**804400**
						pcs=6040mm [19.82']	**804406**
						PU=16x6000mm=96m [314.96']	**804409**

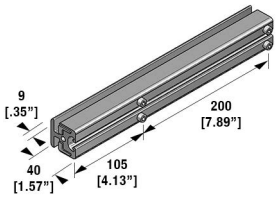
Included - Head Cap Screws DIN-M6x16 St, bright zinc-plated & Profile Edging 19x11.5

Clamp Profile Fastener 8 40x40

- This part suspends panels within the frame. Easy access for quick installation and removal is possible due to the open back of the fastener.
- **1 pc. - #129264 | 1 PU=10 Sets - #229264**

Clamp Profile Cross-Connector 8 40x40

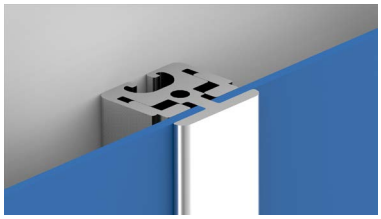
- The Cross-Connector enables up to four different clamp profile connections. Connect inside corners, cut-outs and openings in panels.
- **1 pcs. - #129265 | 1 PU=10 Sets - #229265**



Clamp Profile 8 40x40-180°

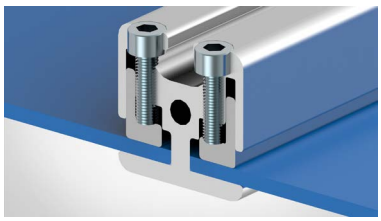
m = kg/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]		
2.56 [1.72]	8.38 [1.30]	11.4 [.27]	13.01 [.31]	5.70 [.35]	6.20 [.38]	cut-off max. 6000mm [19.69']	**804480**
						pcs=6040mm [19.82']	**804486**
						PU=8x6000mm=48m [157.48']	**804489**

Included - Head Cap Screws DIN-M6x16 St, bright zinc-plated & Profile Edging 19x11.6



What is it?

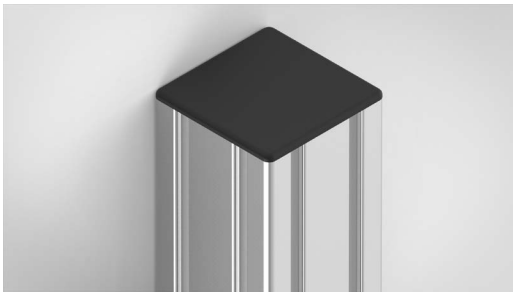
- Clamp Profile 180 has panel grooves on sides 180 degrees from each other. The dual grooves enable this clamp profile to act as an intermediate profile when building enclosures.



Secure Connection

- Clamp Profile 180 secures panels on each groove with bolts for maximum stability.

CAPS

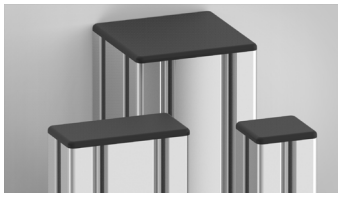


CAPS - MODULAR DIMENSION

- Caps for modular profiles
- Caps for angle brackets
- Vibration-proof and intermediate level of temperature-resistance
- Robust caps made from reinforced plastic

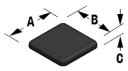
LINE APPLICATION

5 6 8



A large variety of end caps are available for modular profiles.

Angle caps are available for L8 profiles.



Cap 5 20x20

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
1.2 [.0026]	20 [.78]	20 [.78]	2.5 [.09]

Black

1 pc	100166
1 PU=100 pcs	200166

Gray

1 pc	100153
1 PU=100 pcs	200153

Cap 5 40x20

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
2.2 [.0049]	40 [1.57]	20 [.78]	2.5 [.09]

Black

1 pc	100167
1 PU=100 pcs	200167

Gray

1 pc	100154
1 PU=100 pcs	200154

Cap 5 40x40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
6 [.0132]	40 [1.57]	40 [1.57]	2.5 [.09]

Black

1 pc	100168
1 PU=100 pcs	200168

Gray

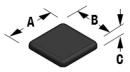
1 pc	100156
1 PU=100 pcs	200156

Cap 5 60x20

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
7 [.016]	60 [2.35]	20 [.78]	2.5 [.09]

Black

1 pc	100169
1 PU=100 pcs	200169



Cap 5 60x40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
7 [.016]	60 [2.35]	40 [1.57]	2.5 [.09]

Black

1 pc **100139**

1 PU=100 pcs **200139**

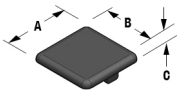
Cap 5 80x20

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
4.4 [.0097]	80 [3.14]	20 [.78]	2.5 [.09]

Black

1 pc **100141**

1 PU=100 pcs **200141**



Cap 6 30x30

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
2.6 [.0057]	30 [1.18]	30 [1.18]	3 [.11]

Black

1 pc **100170**

1 PU=100 pcs **200170**

Gray

1 pc **100159**

1 PU=100 pcs **200159**

Cap 6 60x30

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
5.2 [.0115]	60 [2.36]	30 [1.18]	3 [.11]

Black

1 pc **100171**

1 PU=100 pcs **200171**

Gray

1 pc **100199**

1 PU=100 pcs **200199**

Cap 6 60x60

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
9.4 [.0207]	60 [2.36]	60 [2.36]	3 [.11]

Black

1 pc **100172**

1 PU=100 pcs **200172**

Cap 6 120x30

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
10.2 [.0225]	120 [4.72]	30 [1.18]	3 [.11]

Black

1 pc **100173**

1 PU=100 pcs **200173**

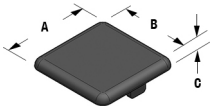
Cap 6 120x60

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
20.8 [.0459]	120 [4.72]	60 [2.36]	3 [.11]

Black

1 pc **100158**

1 PU=100 pcs **200158**



Cap 8 40x40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
4.8 [.0106]	40 [1.57]	40 [1.57]	4 [.16]

Black

1 pc	100008
1 PU=100 pcs	200008

Gray

1 pc	127157
1 PU=100 pcs	227157

Black, ESD

1 pc	100022
1 PU=100 pcs	200022

Red

1 pc	100036
PU=100 pcs.	200036

Blue

1 pc	100009
1 PU=100 pcs	200009

Yellow

1 pc	100028
1 PU=100 pcs	200028

Cap 8 80x40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
9.6 [.0212]	80 [3.14]	40 [1.57]	4 [.16]

Black

1 pc	100011
1 PU=100 pcs	200011

Gray

1 pc	100012
1 PU=100 pcs	200012

Cap 8 80x80

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
19.4 [.0428]	80 [3.14]	80 [3.14]	4 [.16]

Black

1 pc	100027
1 PU=100 pcs	200027

Gray

1 pc	100037
1 PU=100 pcs	200037

Cap 8 120x40

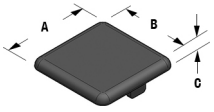
m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
15.2 [.0335]	120 [4.93]	40 [1.57]	4 [.16]

Black

1 pc	100076
1 PU=100 pcs	200076

Gray

1 pc	100126
1 PU=100 pcs	200126



Cap 8 120x80

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
30.4 [.0670]	120 [4.93]	80 [3.14]	4 [.16]

Black

1 pc	100077
1 PU=100 pcs	200077

Gray

1 pc	100128
1 PU=100 pcs	200128

Cap 8 120x120

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
43.4 [.0957]	120 [4.93]	120 [4.93]	4 [.16]

Black

1 pc	100222
1 PU=100 pcs	200222

Cap 8 160x40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
21.4 [.0472]	160 [6.50]	40 [1.57]	4 [.16]

Black

1 pc	100193
1 PU=100 pcs	200193

Gray

1 pc	100223
1 PU=100 pcs	200223

Cap 8 160x80

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
38 [.0838]	160 [6.50]	80 [3.14]	4 [.16]

Black

1 pc	100096
1 PU=100 pcs	200096

Gray

1 pc	100129
1 PU=100 pcs	200129

Cap 8 200x40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
30 [.0661]	200 [7.87]	40 [1.57]	4 [.16]

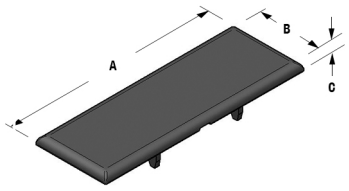
Black

1 pc	100132
1 PU=100 pcs	200132

Gray

1 pc	100133
1 PU=100 pcs	200133

Angle Caps



Angle Bracket Cap 8 40x40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
6 [.0154]	40 [1.57]	40 [1.57]	4 [.16]

Black

1 pc	101034
1 PU=100 pcs	201034

Angle Bracket Cap 8 80x40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
9 [.02]	80 [3.14]	40 [1.57]	4 [.16]

Black

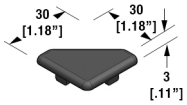
1 pc	101040
1 PU=100 pcs	201040

Angle Bracket Cap 8 80x80

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
13 [.03]	80 [3.14]	80 [3.14]	4 [.16]

Black

1 pc	101041
1 PU=100 pcs	201041

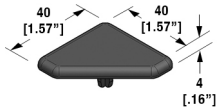


Cap 6 30x30-45°

m = g [lb]
2.0 [.0044]

Black

1 pc	100174
1 PU=100 pcs	200174

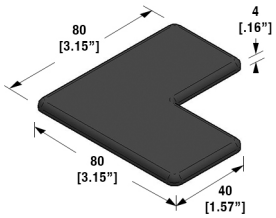


Cap 8 40x40-45°

m = g [lb]
4.5 [.0099]

Black

1 pc	100049
1 PU=100 pcs	200049

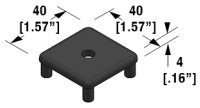


Cap 8 80x80x40

m = g [lb]
15 [.0331]

Black

1 pc	100040
1 PU=100 pcs	200040

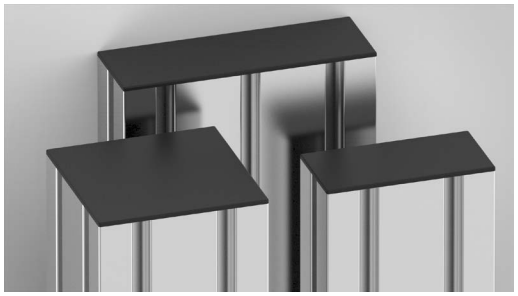


Foot Cap 8 40x40 Light

m = g [lb]
7 [.016]

Black

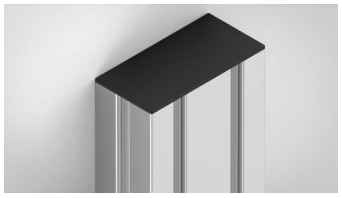
1 pc	103729
1 PU=100 pcs	203729



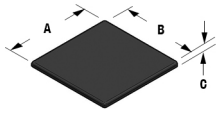
CAPS - LX

- Caps for modular LX profiles
- Vibration-proof and temperature-resistant
- Robust caps made from reinforced plastic

LINE APPLICATION



Caps available in 40, 80 and 120 modular sizes.



Cap 8 40x16 LX

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
3 [.0066]	40 [1.57]	16 [.63]	2 [.08]

Black
1 pc 100124
1 PU=100 pcs 200124

Cap 8 40x40 LX

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
5 [.011]	40 [1.57]	40 [1.57]	2 [.08]

Black
1 pc 100026
1 PU=100 pcs 200026

Cap 8 80x40 LX

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
8 [.0176]	80 [3.14]	40 [1.57]	2 [.08]

Black
1 pc 100025
1 PU=100 pcs 200025

Cap 8 80x80 LX

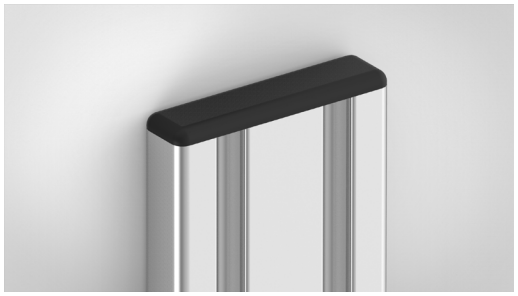
m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
16 [.0352]	80 [3.14]	80 [3.14]	2 [.08]

Black
1 pc 100038
1 PU=100 pcs 200038

Cap 8 120x40 LX

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
13 [.0287]	120 [4.93]	40 [1.57]	2 [.08]

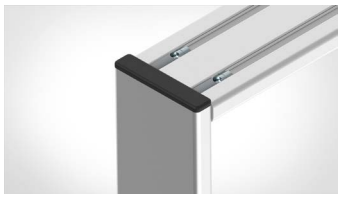
Black
1 pc 100127
1 PU=100 pcs 200121



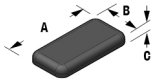
CAPS - FLAT SECTIONS

- Caps for flat profiles
- Robust caps made from reinforced plastic

LINE APPLICATION



Caps for flat sections offers a clean, finished appearance to flat profiles.



Cap 5 20x10

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
.6 [.0013]	20 [.78]	10 [.39]	2.5 [.09]

Black

1 pc	100107
1 PU=100 pcs	200107

Cap 5 40x10

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
2 [.0044]	40 [1.57]	10 [.39]	2.5 [.09]

Black

1 pc	100218
1 PU=100 pcs	200218

Cap 5 80x14

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
3.4 [.0075]	80 [3.14]	14 [.55]	2.5 [.09]

Black

1 pc	100140
1 PU=100 pcs	200140

Cap 8 32x18

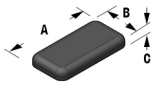
m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
2.2 [.0049]	18 [.70]	32 [1.25]	2.5 [.09]

Black

1 pc	100050
1 PU=100 pcs	200050

Gray

1 pc	100104
1 PU=100 pcs	200104



Cap 8 40x16

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
2.5 [.0055]	40 [1.57]	16 [.63]	4 [.16]

Black

1 pc	100068
1 PU=100 pcs	200068

Gray

1 pc	100125
1 PU=100 pcs	200125

Cap 8 80x16

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
4.6 [.0101]	80 [3.14]	16 [.63]	4 [.16]

Black

1 pc	100069
1 PU=100 pcs	200069

Gray

1 pc	100114
1 PU=100 pcs	200114

Cap 8 40x32

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
4.1 [.0090]	40 [1.57]	32 [1.25]	4 [.16]

Black

1 pc	143815
1 PU=100 pcs	243815

Cap 8 80x32

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
8.5 [.0187]	80 [3.14]	32 [1.25]	4 [.16]

Black

1 pc	143813
1 PU=100 pcs	243813

Cap 8 160x16

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
8.6 [.0190]	160 [6.50]	16 [.63]	4 [.16]

Black

1 pc	116369
1 PU=100 pcs	216369

Cap 8 160x28

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
16.1 [.0355]	160 [6.50]	28 [1.10]	4 [.16]

Black

1 pc	143814
1 PU=100 pcs	243814

Gray

1 pc	143811
1 PU=100 pcs	243811

Cap 8 200x28

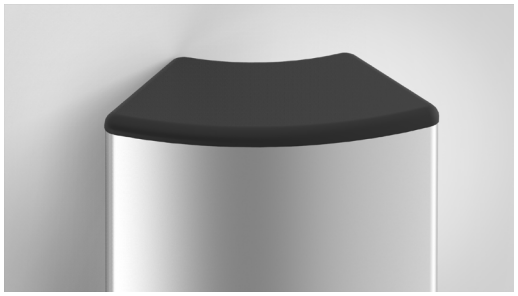
m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
22 [.0485]	200 [7.87]	28 [1.10]	4 [.16]

Black

1 pc	100130
1 PU=100 pcs	200130

Gray

1 pc	100131
1 PU=100 pcs	200131



CAPS - RADIUS

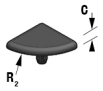
- Caps for radius profiles
- Robust caps made from reinforced plastic

LINE APPLICATION

5 6 8

High-degree radius caps are available for L5 and L6 radius profiles.

Small-degree radius caps are available for L6 and L8 profiles.



Cap 5 R20-90°

m = g [lb]	C = mm [in]	R_2
.9 [.0020]	2.5 [.09]	20

Black

1 pc 100219

1 PU=100 pcs 200219

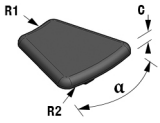
Cap 6 R30-90°

m = g [lb]	C = mm [in]	R_2
3 [.0066]	3 [.11]	30

Black

1 pc 100200

1 PU=100 pcs 200200



Cap 8 R40/80-30°

m = g [lb]	C = mm [in]	α	R_1	R_2
4.2 [.0093]	4 [.16]	30°	40	80

Black

1 pc 100092

1 PU=100 pcs 200092

Cap 8 R40/80-45°

m = g [lb]	C = mm [in]	α	R_1	R_2
5.8 [.0128]	4 [.16]	45°	40	80

Black

1 pc 100093

1 PU=100 pcs 200093

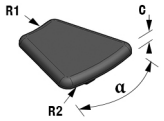
Cap 8 R40/80-60°

m = g [lb]	C = mm [in]	α	R_1	R_2
7.8 [.0172]	4 [.16]	60°	40	80

Black

1 pc 100094

1 PU=100 pcs 200094

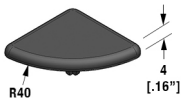


Cap 8 R40/80-90°

m = g [lb]	C = mm [in]	α	R_1	R_2
12 [.0265]	4 [.16]	90°	40	80

Black

1 pc	**100095**
1 PU=100 pcs	**200095**



Cap 8 R40-90°

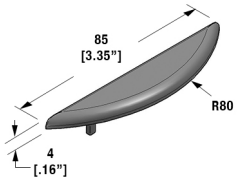
m = g [lb]
4.4 [.0097]

Black

1 pc	**120756**
1 PU=100 pcs	**220756**

Gray

1 pc	**100082**
1 PU=100 pcs	**200082**



Cap 8 R80

m = g [lb]
2.3 [.0051]

Black

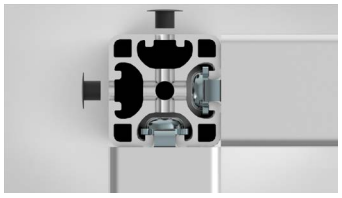
1 pc	**125037**
1 PU=100 pcs	**225037**

CAPS - BORE COVERS

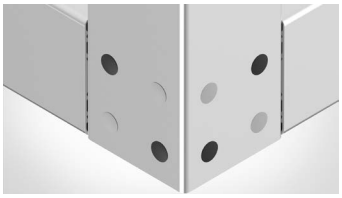
- For sealing profile bores
- Available in black or gray

LINE APPLICATION

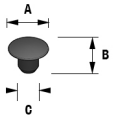
5 6 8



Bore covers seal the holes left from bores. This acts as a continuation for closed-grooved profiles, providing a clean appearance.



Bore Covers easily pop into place and have ridges for stability, preventing the cap from falling out.



Cap 5 D4.3

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
.09 [.0002]	8 [.31]	5 [.2]	4.3 [.17]

Black	
1 pc	**100142**
1 PU=100 pcs	**200142**
Gray	
1 pc	**100143**
1 PU=100 pcs	**200143**

Cap 6 D5.5

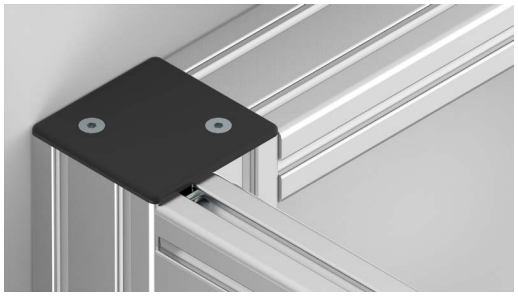
m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
.15 [.0003]	10 [.39]	6 [.24]	5.5 [.22]

Black	
1 pc	**100100**
1 PU=100 pcs	**200100**
Gray	
1 pc	**100101**
1 PU=100 pcs	**200101**

Cap 8 D7

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
.28 [.0006]	13 [.51]	6 [.24]	7 [.28]

Black	
1 pc	**100078**
1 PU=100 pcs	**200078**
Gray	
1 pc	**100079**
1 PU=100 pcs	**200079**

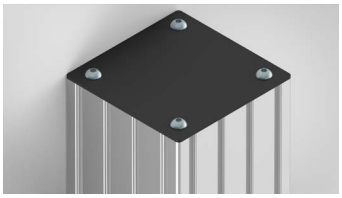


CAPS - METAL

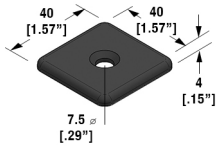
- Caps made of zinc or steel
- Secure connection that protects against impact

LINE APPLICATION

Zinc caps offer a more reliable connection that is fastened with the Countersunk Screw 8 SF M7.



Steel caps offer ultimate protection. Secured with screws for a secure connection.

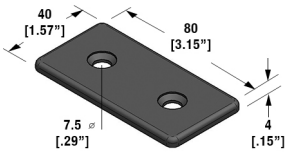


Cap 8 40x40 ZN

m = g [lb]
27 [.0595]

Black

1 pc	128517
1 PU=100 pcs	228517

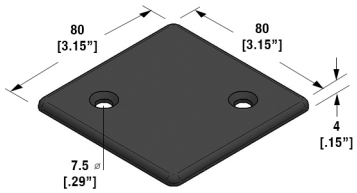


Cap 8 80x40 ZN

m = g [lb]
50 [.1102]

Black

1 pc	128518
1 PU=100 pcs	225518

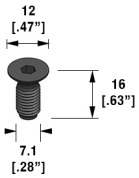


Cap 8 80x80 ZN

m = g [lb]
97 [.2138]

Black

1 pc	132763
1 PU=100 pcs	232763

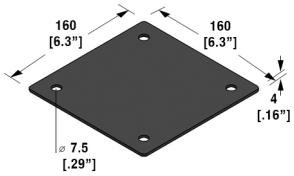


Countersunk Screw 8 SF M7

m = g [lb]
4.6 [.0101]

Black

1 pc	132868
1 PU=100 pcs	232868



Cap 8 160x160 ST

m = g [lb]
625 [1.3779]

Black

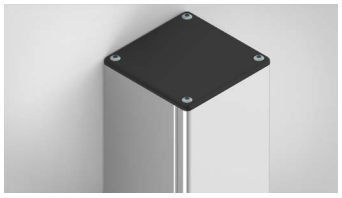
1 pc	**143812**
1 PU=100 pcs	**243812**

CAPS - CONDUIT

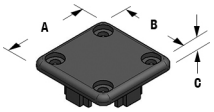
- Covering for conduit profiles
- Various sizes available

LINE APPLICATION

8



Conduit caps extend the clean appearance that conduit profiles offer by completely concealing the materials they hold.



Conduit Cap 6 30x30

5

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
3 [.0066]	30 [1.18]	30 [1.18]	3 [.11]

Black

1 pc 100224

1 PU=10 pcs 200224

Conduit Cap 6 60x30

6

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
5 [.0110]	60 [2.36]	30 [1.18]	3 [.11]

Black

1 pc 100225

1 PU=10 pcs 200225

Conduit Cap 6 60x60

6

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
8 [.0176]	60 [2.36]	60 [2.36]	3 [.11]

Black

1 pc 100236

1 PU=10 pcs 200236

Conduit Cap 8 40x40

8

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
8 [.0176]	40 [1.57]	40 [1.57]	4 [.16]

Black

1 pc 100161

1 PU=10 pcs 200161

Conduit Cap 8 80x40

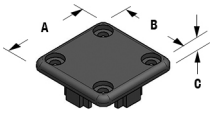
8

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
15 [.0331]	80 [3.14]	40 [1.57]	4 [.16]

Black

1 pc 100178

1 PU=10 pcs 200178



Conduit Cap 8 80x80

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
31 [.0683]	80 [3.14]	80 [3.14]	4 [.16]

Black

1 pc	**100179**
1 PU=10 pcs	**200179**

Conduit Cap 8 120x40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
25 [.0551]	120 [4.71]	40 [1.57]	4 [.16]

Black

1 pc	**100185**
1 PU=10 pcs	**200185**

Conduit Cap 8 120x80

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
46 [.1014]	120 [4.71]	80 [3.14]	4 [.16]

Black

1 pc	**100186**
1 PU=10 pcs	**200186**

Conduit Cap 8 120x120

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
69 [.1521]	120 [4.71]	120 [4.71]	4 [.16]

Black

1 pc	**100228**
1 PU=10 pcs	**200228**

Conduit Cap 8 160x40

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
31 [.0683]	160 [6.50]	40 [1.57]	4 [.16]

Black

1 pc	**109451**
1 PU=10 pcs	**209451**

Conduit Cap 8 160x80

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
59 [.1301]	160 [6.50]	80 [3.14]	4 [.16]

Black

1 pc	**100187**
1 PU=10 pcs	**200187**

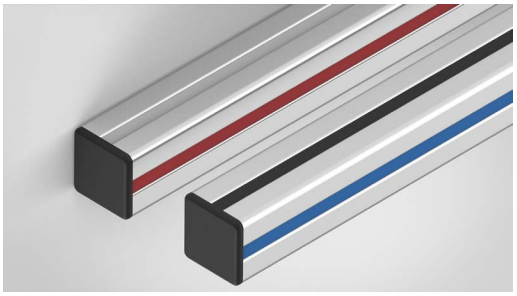
Conduit Cap 8 160x120

m = g [lb]	A = mm [in]	B = mm [in]	C = mm [in]
90 [.1984]	160 [6.50]	120 [4.71]	4 [.16]

Black

1 pc	**100229**
1 PU=10 pcs	**200229**

COVER PROFILE

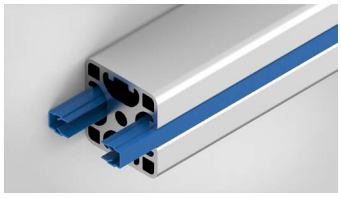


COVER PROFILE PP

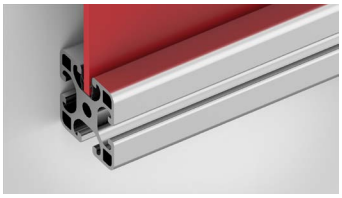
- Polypropylene covering element
- Used to protect from dirt and dust
- Helps secure panel elements to profile
- Available in multiple colors

LINE APPLICATION

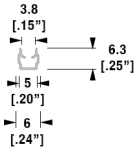
5 6 8



Cover Profile PP prevents dirt and dust from entering the profile groove, while also giving a more unique look with multiple colors available.



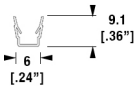
Cover Profile helps seal panel elements in the profile groove for a more stable installation.



Cover Profile 5 PP

m = g/m [lb/ft]
8.9 [.0091]

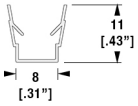
Natural	
pcs=2000mm [6.56']	**100294**
PU=10x2000mm=20m [65.62']	**200286**
Black	
pcs=2000mm [6.56']	**100293**
PU=10x2000mm=20m [65.62']	**200284**
Gray	
pcs=2000mm [6.56']	**100325**
PU=10x2000mm=20m [65.62']	**200326**
Blue	
pcs=2000mm [6.56']	**100310**
PU=10x2000mm=20m [65.62']	**200324**
Red	
pcs=2000mm [6.56']	**100329**
PU=10x2000mm=20m [65.62']	**200230**
Yellow	
pcs=2000mm [6.56']	**100330**
PU=10x2000mm=20m [65.62']	**200338**



Cover Profile 6 PP

m = g/m [lb/ft]
15.4 [.0137]

Natural	
pcs=2000mm [6.56']	**100274**
PU=10x2000mm=20m [65.62']	**200270**
Black	
pcs=2000mm [6.56']	**100273**
PU=10x2000mm=20m [65.62']	**200268**
Gray	
pcs=2000mm [6.56']	**119035**
PU=10x2000mm=20m [65.62']	**219036**
Blue	
pcs=2000mm [6.56']	**100358**
PU=10x2000mm=20m [65.62']	**200359**
Red	
pcs=2000mm [6.56']	**100360**
PU=10x2000mm=20m [65.62']	**200361**
Yellow	
pcs=2000mm [6.56']	**100362**
PU=10x2000mm=20m [65.62']	**200365**

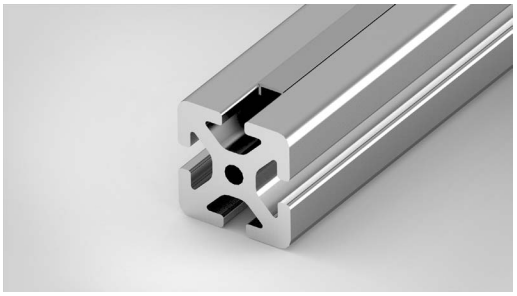


Cover Profile 8 PP

m = g/m [lb/ft]
19 [.0175]

Natural	
pcs=2000mm [6.56']	**100265**
PU=10x2000mm=20m [65.62']	**200264**
Aluminum	
pcs=2000mm [6.56']	**100272**
PU=10x2000mm=20m [65.62']	**200261**
Black	
pcs=2000mm [6.56']	**100269**
PU=10x2000mm=20m [65.62']	**200266**
Gray	
pcs=2000mm [6.56']	**100275**
PU=10x2000mm=20m [65.62']	**200259**
Black, ESD	
pcs=2000mm [6.56']	**126296**
PU=10x2000mm=20m [65.62']	**262297**
Blue	
pcs=2000mm [6.56']	**100277**
PU=10x2000mm=20m [65.62']	**200283**
Red	
pcs=2000mm [6.56']	**100276**
PU=10x2000mm=20m [65.62']	**200281**
Yellow	
pcs=2000mm [6.56']	**100271**
PU=10x2000mm=20m [65.62']	**200267**

COVER PROFILE

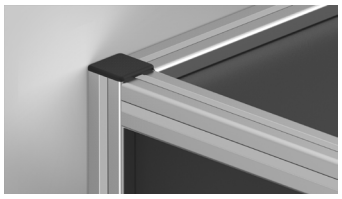


COVER PROFILE AL

- Aluminum covering element
- Profile-matching cover
- Used to cover cables in profile groove

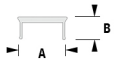
LINE APPLICATION

6 8



Cover Profile AL provides a clean aluminum appearance for covering material within the profile groove.

Entire or partial section of the profile groove can be covered, dependent upon wiring locations.



Cover Profile 6 AL

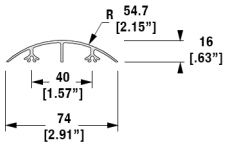
m = g/m [lb/ft]	A = mm [in]	B = mm [in]
30 [.0202]	7.2 [.28"]	4.3 [.17"]

cut-off max. 2000mm [6.56']	607200
pcs=2000mm [6.56']	607202
PU=10x2000mm=20m [65.62']	607209

Cover Profile 8 AL

m = g/m [lb/ft]	A = mm [in]	B = mm [in]
32 [.0215]	9.7 [.38"]	4 [.16"]

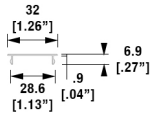
cut-off max. 2000mm [6.56']	809700
pcs=2000mm [6.56']	809702
PU=25x2000mm=50m [164.04']	809709



Cover Profile 8 R80 AL

m = g/m [lb/ft]	Area = cm² [in²]
550 [.370]	2.03 [.80]

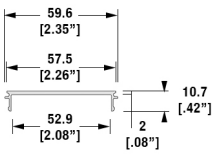
cut-off max. 4000mm [13.12]	803390
pcs=4010mm [13.16']	803394
PU=10x4000mm=40m [131.23']	803399



Cover Profile 32

m = g/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
11 [.007]	.39 [.15]	.01 [.003]	.43 [.17]	.02 [.008]	.27 [.11]

cut-off max. 3000mm [9.84']	807320
pcs=3040mm [9.97']	807323
PU=10x3000mm=30m [98.43']	807329

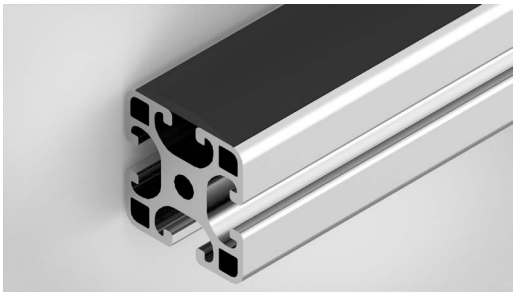


Cover Profile 60

m = g/m [lb/ft]	Area = cm² [in²]	Ix = cm⁴ [in⁴]	Iy = cm⁴ [in⁴]	Wx = cm³ [in³]	Wy = cm³ [in³]
36 [.0242]	1.34 [.53]	.06 [.02]	4.67 [1.84]	.07 [.03]	1.57 [.62]

cut-off max. 3000mm [9.84']	806110
pcs=3040mm [9.97']	806113
PU=10x3000mm=30m [98.43']	806119

COVER PROFILE



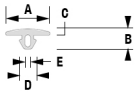
ELASTIC COVER PROFILE

- Elastic covering element
- Non-slip surface
- Works as a buffer for sliding doors

LINE APPLICATION

5 6 8

Elastic Cover Profile can function as both a buffer and non-slip surface for panel elements in material handling situations. For example, drop-off locations for glass during sampling tests become safer knowing panels will not slip.



Cover Profile 5 16x3 NBR

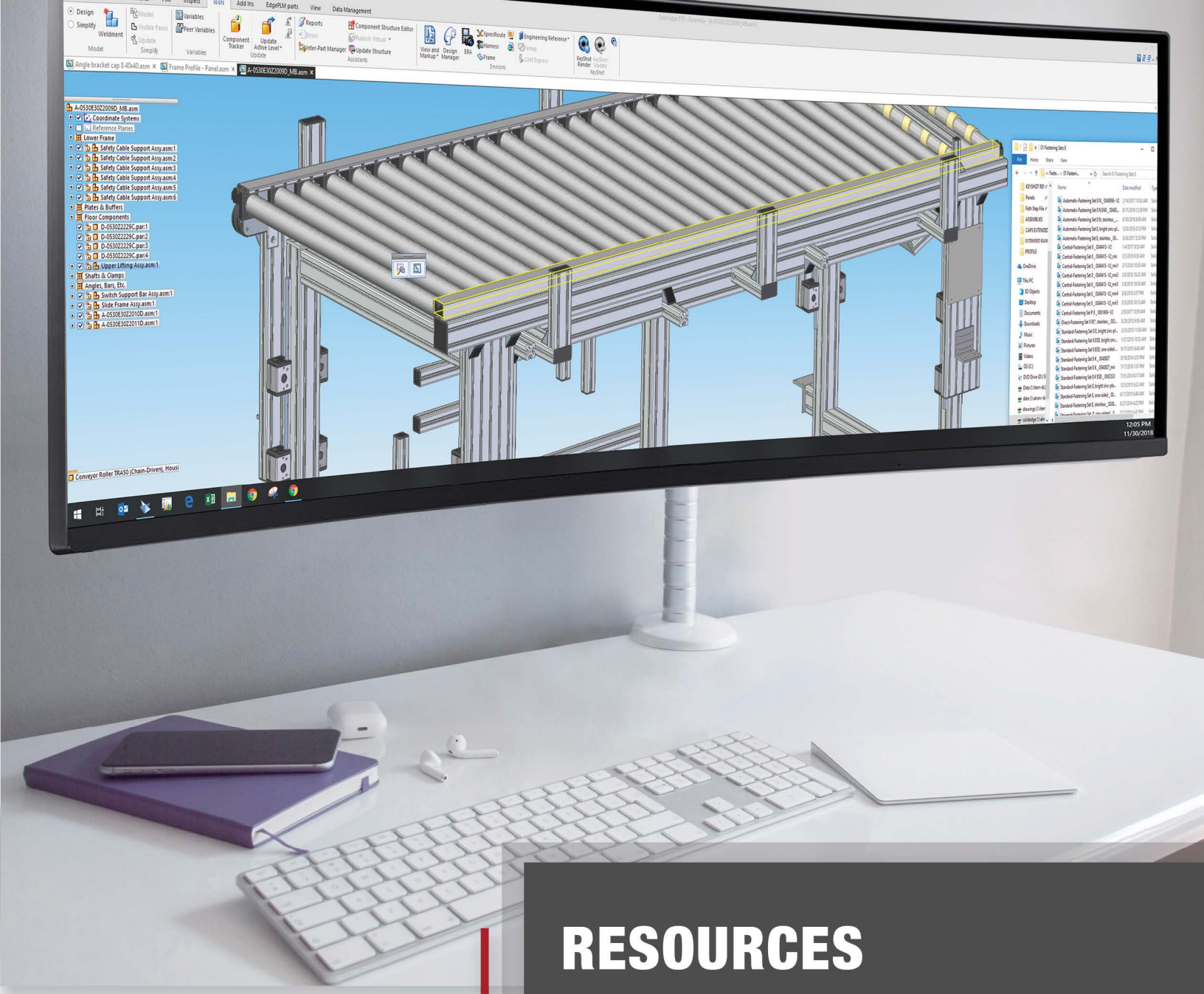
m = g/m [lb/ft]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]	E = mm [in]		
57 [.0383]	16 [.63]	7 [.28]	2.2 [.09]	7.5 [.3]	5.3 [.2]	Natural cut-off max. 20m [65.62']	200303
						Black PU=20m [65.62']	100303

Cover Profile 6 24x3 NBR

m = g/m [lb/ft]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]	E = mm [in]		
119 [.08]	24 [.94]	11 [.43]	3 [.12]	9.2 [.36]	6.4 [.25]	Natural cut-off max. 20m [65.62']	200305
						Black PU=20m [65.62']	100305

Cover Profile 8 32x4 NBR

m = g/m [lb/ft]	A = mm [in]	B = mm [in]	C = mm [in]	D = mm [in]	E = mm [in]		
180 [.121]	31.1 [1.22]	13.1 [.52]	3.5 [.14]	12 [.47]	8.5 [.33]	Natural cut-off max. 20m [65.62']	200304
						Black PU=20m [65.62']	100304



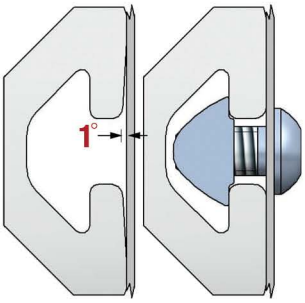
RESOURCES

PRODUCT RESOURCES FOR PRECISION DESIGN:

- Technical Data
- Fastening Technology
- Machining Resources
- Slot Designation

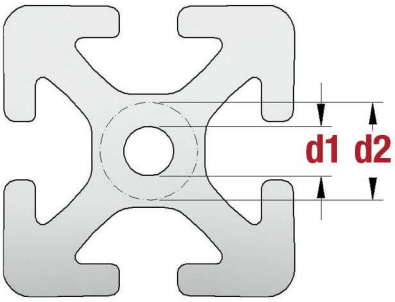
TECHNICAL DATA

GENERAL INFORMATION



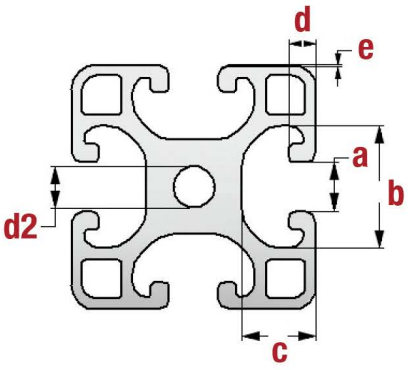
Type	Measure
EN AW-Al Mg Si 0.5	Material Designation DIN EN 573
Tensile strength RM	min. 245 N/mm²
Yield Point Rp 0.2	min. 195 N/mm²
Ductile yield A5	min. 10%
Ductile yield A10	min. 8%
Moulus of elasticity E	70.000 N/mm²
Hardness HB	approx. 75 Brinell hardness
Coefficient of Linear expansion	23.4 x 10^{-6} 1/K
Tolerances	DIN EN 12020-2
Anodizing Process	clear E6C0, black E6C35
Minimum Thickness of anodizing layer	approx. 10-15 µm

CORE BORES



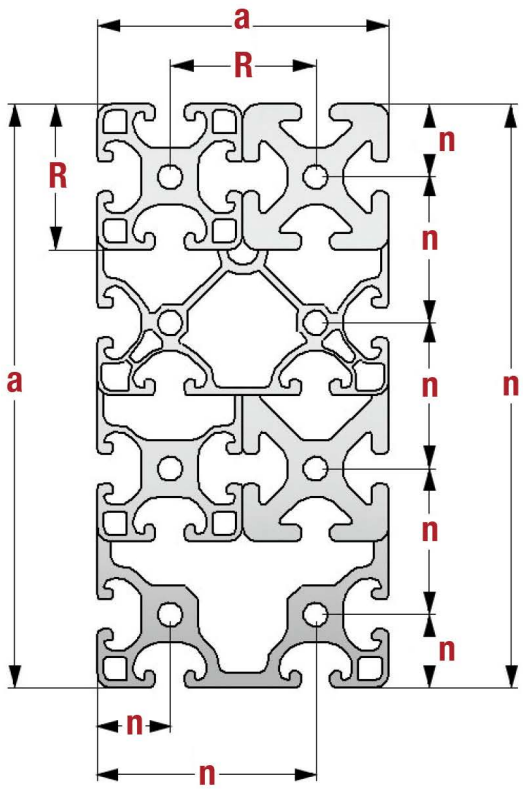
Groove Style	Drilled Hole d1		Reboreable up to d2	
	Metric	Standard	Metric	Standard
5	Ø 4.3mm ±0.1mm for M5	[Ø.17" ± .004" for UNC 10-24]	Ø 6.0mm or M6	[Ø.23" or UNC 1/4"-20]
6	Ø 5.0mm ±0.2mm for M6	[Ø.20" ± .008" for UNC 1/4"-20]	Ø 8.0mm or M8	[Ø.31" or UNC 3/8"-16]
8	Ø 6.8mm ±0.2mm for M8	[Ø.26" ± .008" for UNC 5/16"-18]	Ø 13.0mm or M12 (not Eco.)	[Ø.51" or UNC 9/16"-12]

GROOVE DIMENSIONS



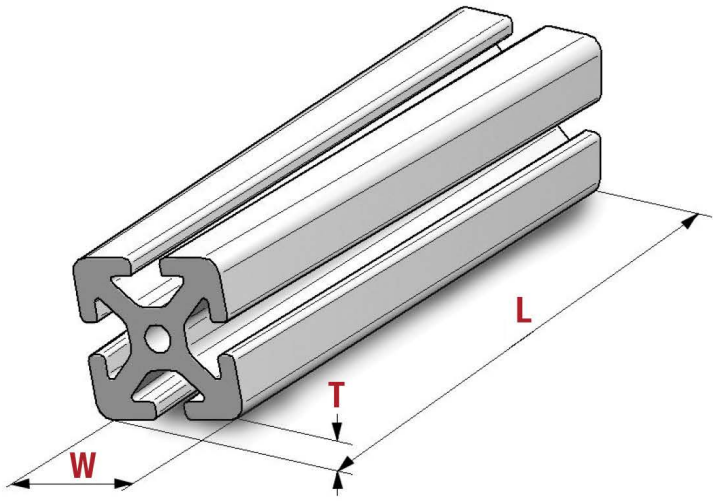
Area	5		6		8	
	Metric	Standard	Metric	Standard	Metric	Standard
a	5.0mm +0.3/-0	[.19"] +0.011/-0	6.2mm +0.3/-0	[.24"] +0.011/-0	8.0mm +0.4/-0	[.31"] +0.015/-0
b	11.5mm +0.3/-0	[.45"] +0.011/-0	16.3mm +0.3/-0	[.64"] +0.011/-0	20.0mm +0.4/-0	[.78"] +0.011/-0
c	6.35mm ±0.15	[.25"] ±0.006	9.75mm +0.2/-0	[.38"] +0.008/-0	12.25mm +0.3/-0	[.48"] +0.011/-0
d	1.8mm ±0.1	[.07"] ±0.004	3mm +0/-0.25	[.11"] +0/-0.01	4.5mm +0.3/-0	[.17"] +0.011/-0
e	0.15mm ±0.1	[.17"] ±0.004	0.15mm ±0.1	[.17"] ±0.004	0.2mm ±0.1	[.17"] ±0.004
d1	4.3mm ±0.1	[.17"] ±0.004	5.0mm +0.2/-0	[.17"] +0.008/-0	6.8mm +0.2/-0	[.17"] +0.008/-0

EXTERNAL DIMENSIONS & T-SLOT POSITIONS



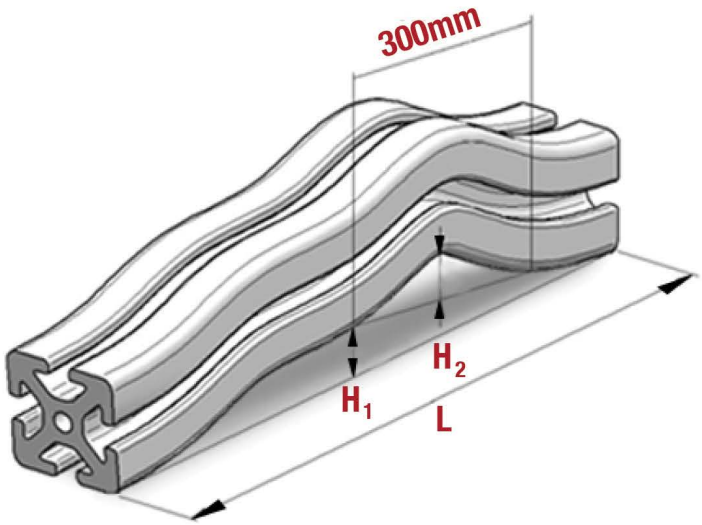
Modular Dimension R			
5 6 8			
Profile Edge length a mm [in]		External Groove Position and dimension n ± mm [in]	
Range		Tolerance	
Metric	Standard	Metric	Standard
0 - 10	[.40"]	±0.1	±0[.004"]
10 - 20	[0.40"] - [.78"]	±0.15	±[.006"]
20 - 40	[.78"] - [1.57"]	±0.2	±[.008"]
40 - 60	[1.57"] - [2.36"]	±0.3	±[.011"]
60 - 80	[2.36"] - [3.15"]	±0.4	±[.015"]
80 - 100	[3.15"] - [3.93"]	±0.45	±[.018"]
100 - 120	[3.93"] - [4.72"]	±0.5	±[.020"]
120 - 160	[4.72"] - [6.30"]	±0.6	±[.023"]

TORSION



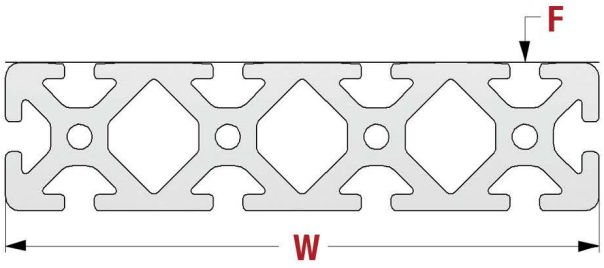
width W in mm		Torsion tolerance T mm [in] for length L mm [in]					
from	to	up to 1000mm [39.37”]	up to 2000mm [78.74”]	up to 3000mm [118.11”]	up to 4000mm [157.48”]	up to 5000mm [196.85”]	up to 6000mm [236.22”]
-	25	1.0[0.04”]	1.5[0.06”]	1.5[0.06”]	2.0[0.08”]	2.0[0.08”]	2.0[0.08”]
25	50	1.0[0.04”]	1.2[0.05”]	1.5[0.06”]	1.8[0.07”]	2.0[0.08”]	2.0[0.08”]
50	75	1.0[0.04”]	1.2[0.05”]	1.2[0.05”]	1.5[0.06”]	2.0[0.08”]	2.0[0.08”]
75	100	1.0[0.04”]	1.5[0.06”]	1.8[0.07”]	2.2[0.09”]	2.5[0.10”]	3.0[0.12”]
100	125	1.2[0.05”]	1.8[0.07”]	1.8[0.07”]	2.2[0.09”]	2.5[0.10”]	3.0[0.12”]
125	150	1.2[0.05”]	1.8[0.07”]	1.8[0.07”]	2.2[0.09”]	2.5[0.10”]	3.0[0.12”]
150	200	1.5[0.06”]	2.2[0.09”]	2.2[0.09”]	2.6[0.10”]	3.0[0.12”]	3.5[0.14”]
200	300	1.8[0.07”]	3.0[0.12”]	3.0[0.12”]	3.5[0.14”]	4.0[0.16”]	4.5[0.18”]

STRAIGHT TOLERANCE LONGITUDINAL



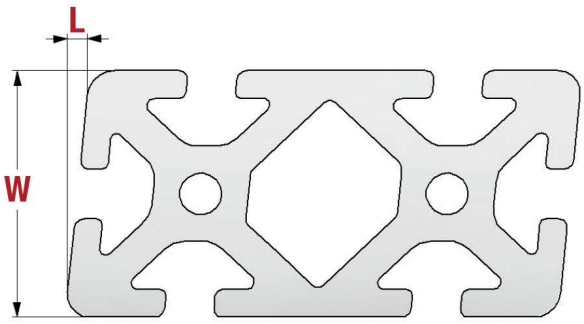
Length L - up to		Straightness tolerance H1 for nominal length L	
Metric	Standard	Metric	Standard
1000mm	[39.37”]	0.7mm	[0.03”]
2000mm	[78.74”]	1.3mm	[0.05”]
3000mm	[118.11”]	1.8mm	[0.07”]
4000mm	[157.48”]	2.2mm	[0.09”]
5000mm	[196.85”]	2.8mm	[0.11”]
6000mm	[236.22”]	3.0mm	[0.12”]

STRAIGHT TOLERANCE TRANVERSE



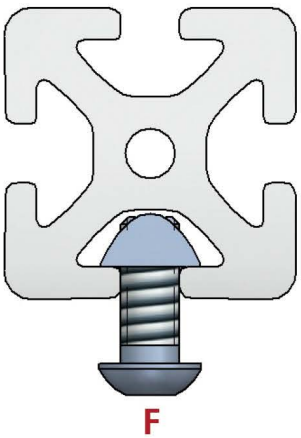
width W (mm)		straightness tolerance F	
from	to	mm	inches
0	30	0.2	0.008”
30	60	0.3	0.012”
60	100	0.4	0.016”
100	150	0.5	0.019”
150	200	0.7	0.027”
200	250	0.85	0.033”

ANGLE TOLERANCE



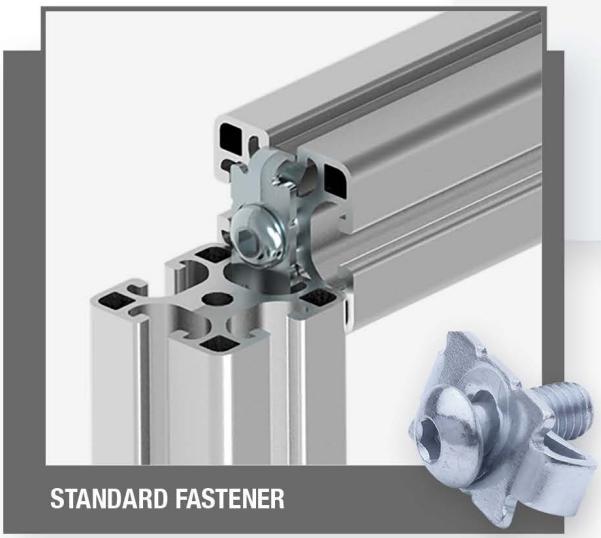
width W (mm)		Angular Tolerance L ±	
from	to	mm	inches
0	20	0.2	0.008”
20	40	0.4	0.016”
40	60	0.6	0.023”
60	80	0.8	0.031”
80	120	1.2	0.047”
120	200	1.5	0.059”

TENSILE LOADING CAPACITY

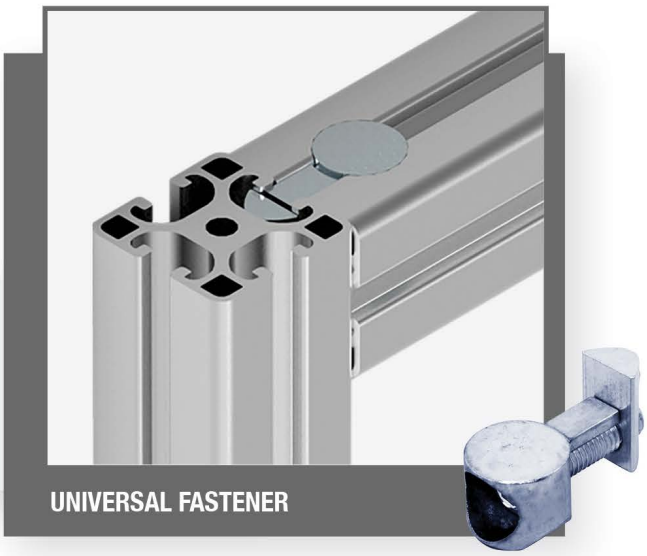


Groove Style	Profile	T-Slot Nut	Heavy-Duty T-Slot Nut
5	L5	1,000N	N/A
6	L6 Standard	3,500N	N/A
6	L6 Light	1,000N	N/A
8	L8 Standard	10,000N	15,000N
8	L8 Light	5,000N	7,000N
8	L8 Economy	3,500N	6,000N

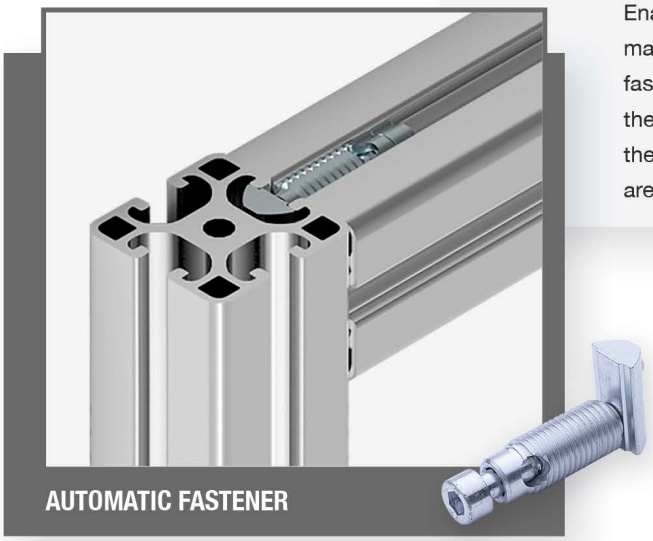
FASTENING TECHNOLOGY



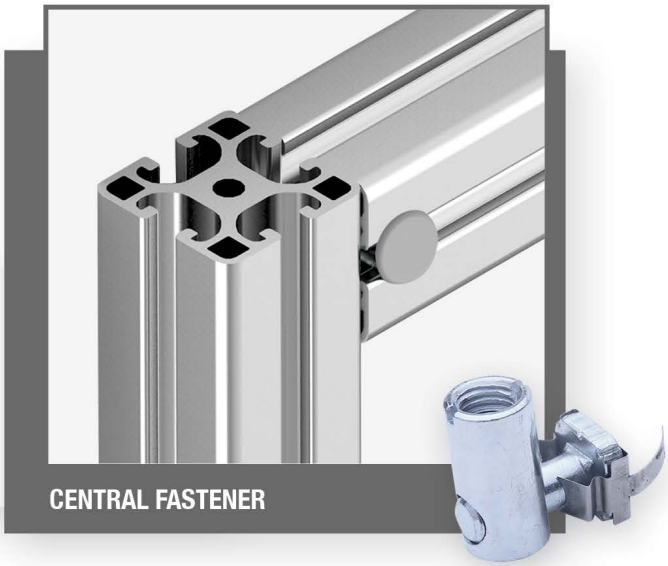
Used for fixed-position profile applications. Lowest-cost fastener option. An anti-torsion tab is on each end to prevent displacement. A one-sided option is available that is beneficial when placing panels in groove so cutouts are not required and when making caps flush to profile on guarding and doors.



Easily placed in machined profile or can be added to pre-existing assemblies. Anti-torsion tabs minimize deflection/rotation. Provides adjustability when needed. Machined/used in pairs (both sides) or one per side at opposite ends.



Enables profile application to be modular. No machining required - used in pairs. Automatic fasteners are adjustable and screwed anywhere into the profile from one end. A screw then slides through the fastener and is secured with a T-slot nut. Caps are included to cover the fastener.



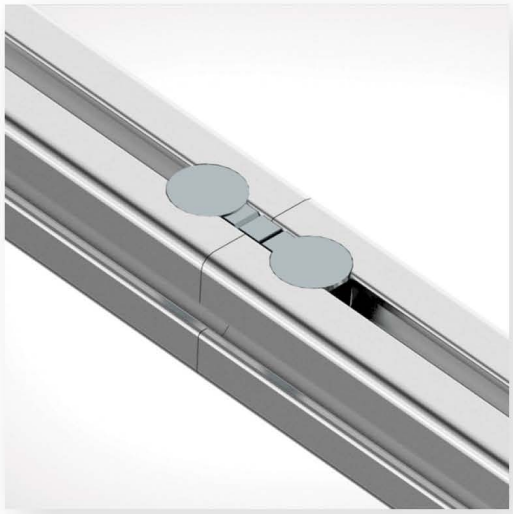
Used for applications with minimal loads. Provides clean finish to project. Similar to universal fasteners, but only one is required per end. Allows three other grooves to be accessed when fastened is beneficial when placing panels or mounting a component. Requires extensive profile machining.

Additional Fastening Options

The high-quality T-slotted extruded aluminum profiles, accompanied with fasteners and accessories, enable machine frames to be designed confidently. These fasteners are a product of many years of research, development and experience working with extruded aluminum. The results are reliable, lower-weight connections with unparalleled versatility to accommodate diverse capabilities.

AUTOMATIC BUTT FASTENER

Adds ability to connect profiles by their end faces. Machining not required.



UNIVERSAL BUTT FASTENER

Adds ability to connect profiles by their end faces.

MITER FASTENING

Profile connections from any angle. The T-slot profile groove remains open for other elements.

ANGLE BRACKETS

Reinforces profile connections. Machining not required.

RESOURCES - MACHINING

Connecting Processing - Drilled Hole

Description	Part #
Connecting Processing - Drilled Hole D4.3	**454300**
Connecting Processing - Drilled Hole D5.5	**465500**
Connecting Processing - Drilled Hole D7	**487000**

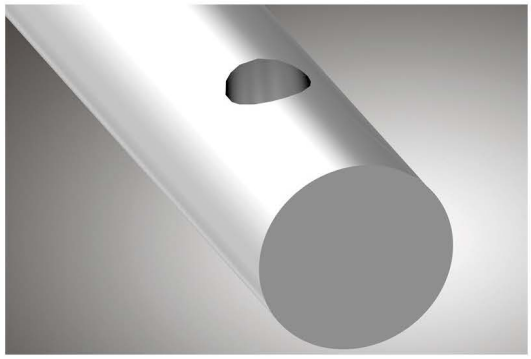
Connecting Processing - End Face

Description	Part #
Connecting Processing - End Face, Thread M10x22	**410220**
Connecting Processing - End Face, Thread M10x45	**410450**
Connecting Processing - End Face, Thread M5x12	**451200**
Connecting Processing - End Face, Thread M6x15	**461500**
Connecting Processing - End Face, Thread M8x18	**481800**
Connecting Processing - End Face, Thread M8x35	**483500**
Connecting Processing - End Face, Thread M5x32	**450532**
Connecting Processing - End Face, Thread M6x33	**460633**

Connecting Processing - Stepped Bore

Description	Part #
Connecting Processing - Stepped Bore D15x17	**461517**
Connecting Processing - Stepped Bore D11x13	**451113**
Connecting Processing - Stepped Bore D16x12.7	**461612**
Connecting Processing - Stepped Bore D20x16	**408216**

Fixing Bore for Shafts



Description	Part #
Fixing Bore for Shafts D10/D14/D25	**411425**

Process for Central-Fastening Set

Description	Part #
Process for Central-Fastening Set 8	**410094**

Saw Cuts

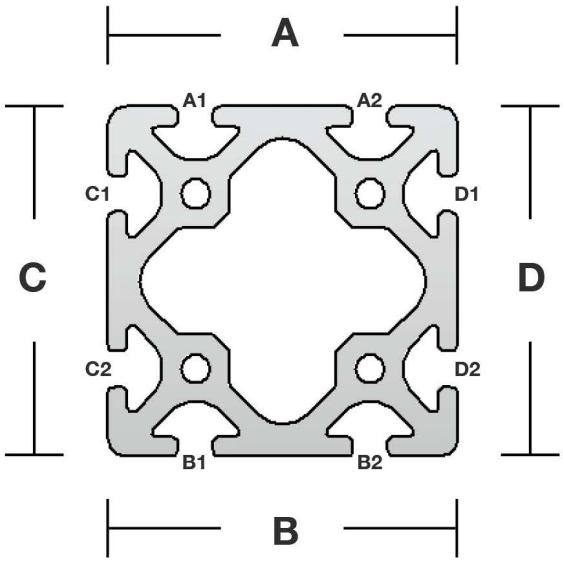
Description	Part #
Saw Cut for large Cross-Sections	**400020**
Saw Cut for medium Cross-Sections	**400010**
Saw Cut for oversize Cross-Sections	**400030**
Saw Cut for small Cross-Sections	**400000**
Saw Cut and Process for Miter-Fastening Set 8 <=45°	**410092**
Saw Cut and Process for Miter-Fastening Set 8 >45°	**410093**
Miter Cut <=45° <=Profile 80	**410090**
Miter Cut 45° with Stepped Bore	**410089**
Miter Cut >45° with Stepped Bore	**410091**

RESOURCES - SLOT DESIGNATION

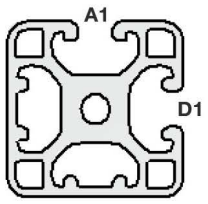
The following diagram is a reference point for slot designation in the case when profile machining is applicable. Slots are designated based on their arrangement with respect to the end face, which is the permanent reference point. Slot designations apply along the entire part length including the reference face and the opposite end.

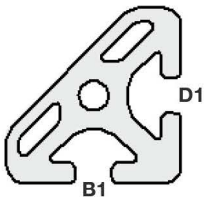
Slot designation will be consistent for all profile faces. If there is more than one slot per side,each designation will incrementally increase in ascending order by one.

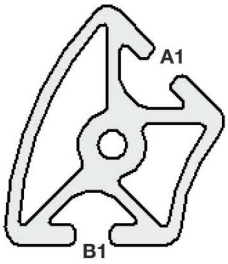
*Radius and angled profiles' top openings are designated as A.

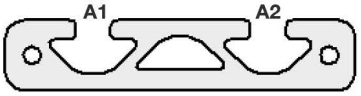


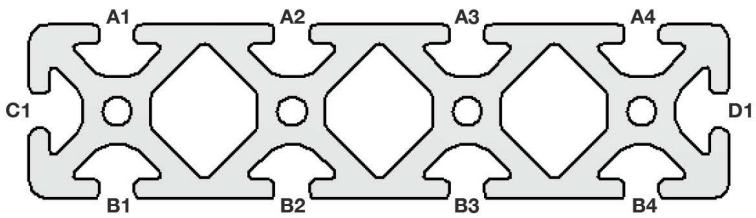
- A and B slots are numbered in ascending order from left to right. IE: A1, A2, A3, B1, B2, etc.
- C and D slots are numbered in ascending order from top to bottom. IE: C1, C2, C3, D1, D2, etc.

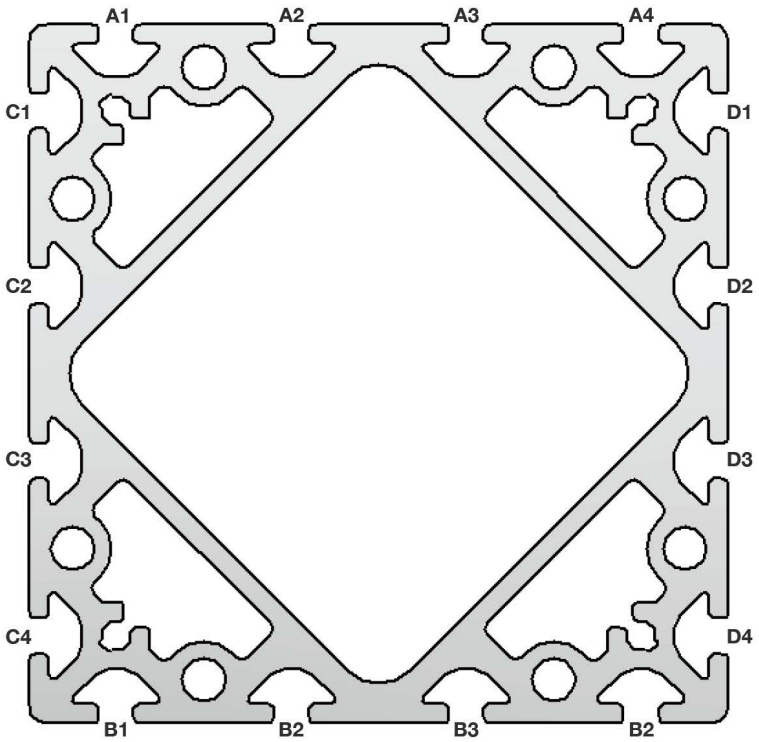












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