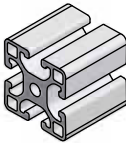
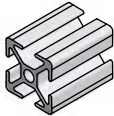
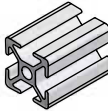
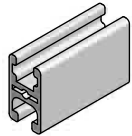
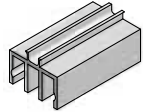
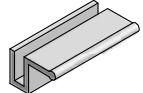
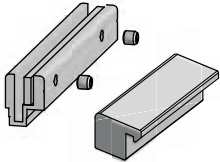
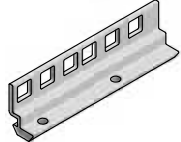
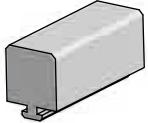
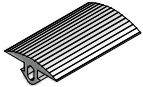
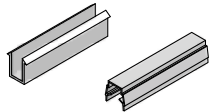
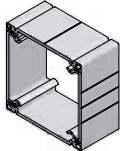


Section 1 Basic & Specialty Profiles

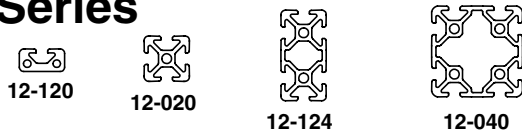
Basic Profiles

40 Series	17-31	
30 Series	32-35	
28 Series	36-40	
20 Series	41-43	
1.5" Series	44-50	
1" Series	51-52	
End Caps	63-65	

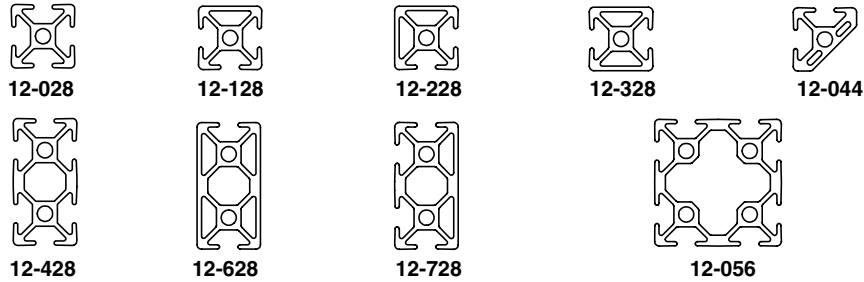
Specialty Profiles

32x18 Frame Profile	54	
Door Profiles Rolling Door Guide Sliding Door Guide	55 56	
Panel Profiles Stiffener/Handle Panel Mounting	57 57	
Clamp Profiles Mesh Clamp Clamp Bar	58 58	
Rack Angle	59	
UHMW Profiles	60	
Profile Covers	60	
Panel/Mesh Gaskets Cover Strips	61 62	
Conduit Profiles Conduit End Caps	67-71 72	

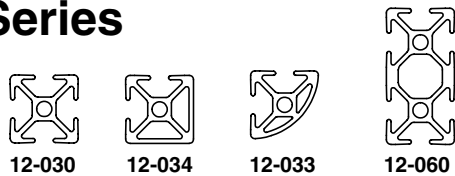
20 Series



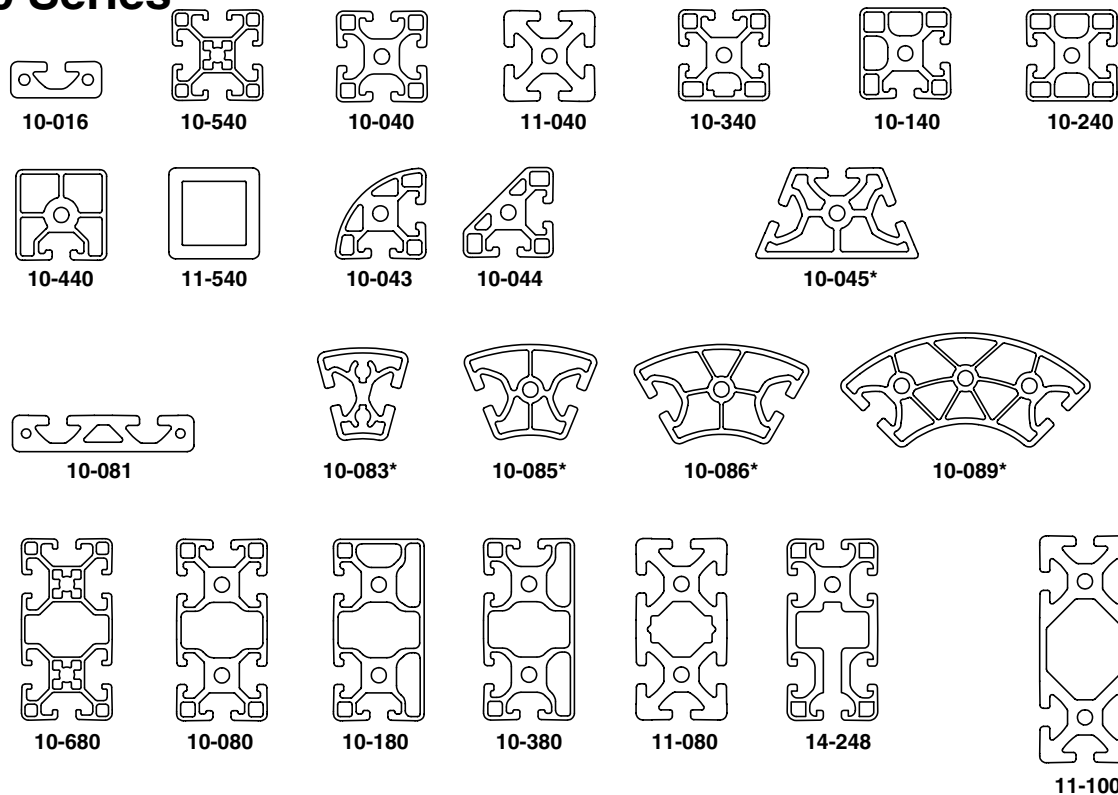
28 Series



30 Series

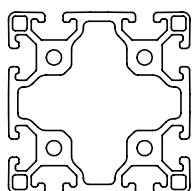


40 Series

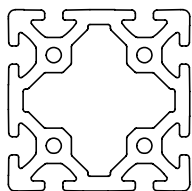


*Available in 3m bar only.

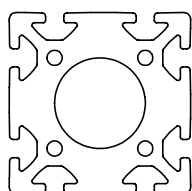
40 Series



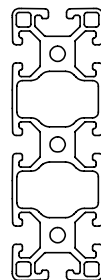
10-088



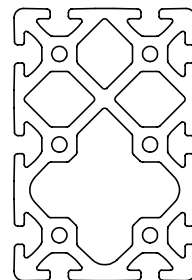
11-088



11-089



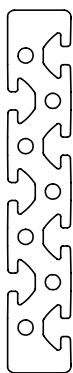
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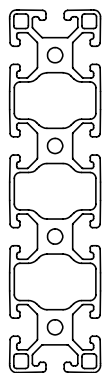
11-122



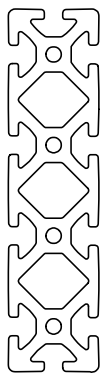
10-161



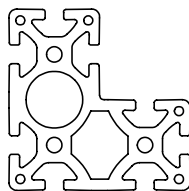
11-128



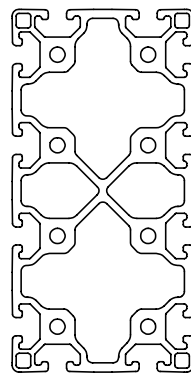
10-164



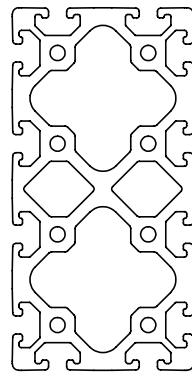
11-140



11-084*



10-160

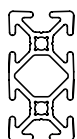


11-160

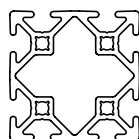
1" Series



12-1010

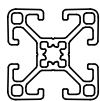


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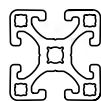


12-2020

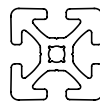
1.5" Series



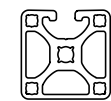
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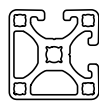
10-1515



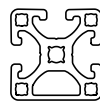
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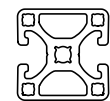
10-1591



10-1592



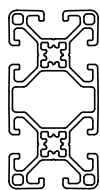
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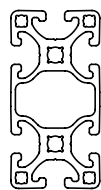
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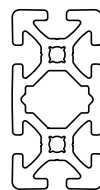
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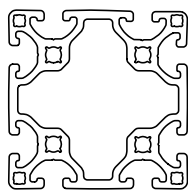
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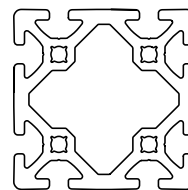
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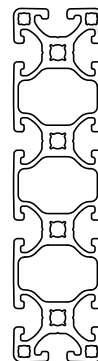
11-1530



10-3030



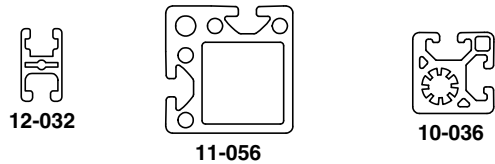
11-3030



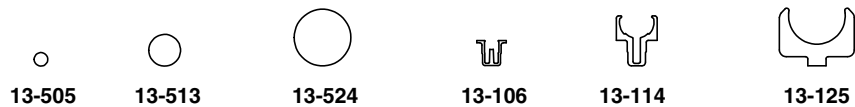
10-1560

*Available in 3m bar only.

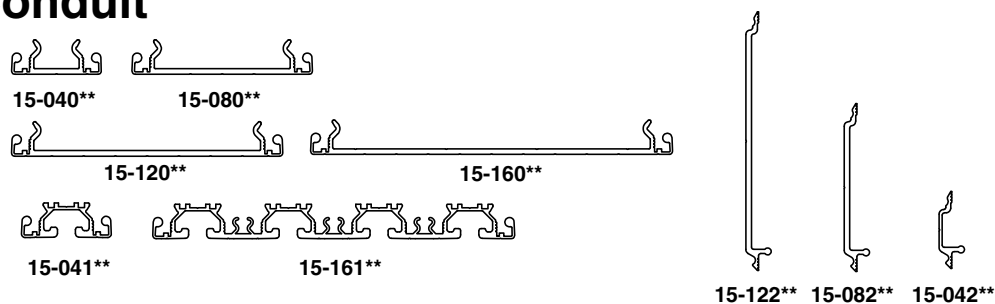
Specialty Profiles



Roller Systems



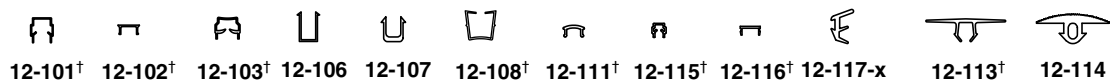
Conduit**



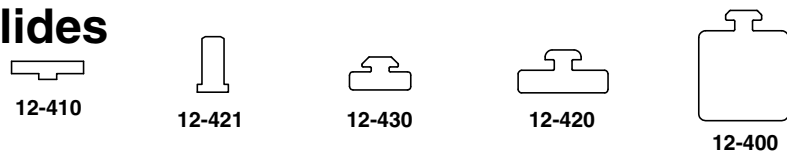
Door



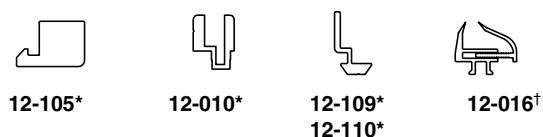
T-Slot Covers



Slides



Panel



†Available in 2m bar only.

*Available in 3m bar only.

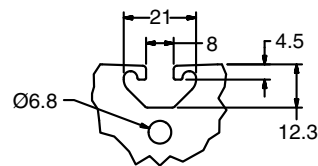
**Available in 4m bar only.

40 Series Profiles

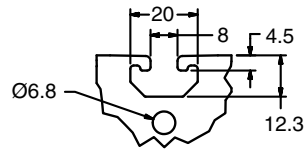
Part #	Description	Moment of Inertia		Section Modulus		Section [cm ²]	Weight [kg/m]	Cat. Page
		I _x [cm ⁴]	I _y [cm ⁴]	W _x [cm ³]	W _y [cm ³]			
10-016	Profile 16x40	1.10	7.19	1.29	3.60	4.38	1.17	24
10-036	Profile Post 36x36	8.55	8.55	4.32	4.32	7.18	1.94	31
10-040	Profile 40x40 Standard	9.46	9.46	4.73	4.73	6.65	1.72	19
10-043	Profile 40x40 Quarter Round ST	6.95	6.95	3.15	3.15	5.87	1.59	21
10-044	Profile 40x40-45° Standard	6.79	6.79	3.03	3.03	5.72	1.53	22
10-045	Profile 40x45° Standard	16.25	34.51	7.40	12.20	10.22	2.76	22
10-080	Profile 80x40 Standard	17.23	71.56	8.62	17.89	11.49	3.18	26
10-081	Profile 16x80	2.22	50.72	2.61	12.68	8.41	2.20	24
10-083	Profile R40x80 30° Standard	8.48	5.87	4.01	3.64	5.71	1.57	23
10-085	Profile R40x80 45° Standard	10.69	16.64	4.75	8.23	6.99	1.92	23
10-086	Profile R40x80 60° Standard	13.02	35.75	6.30	10.38	8.26	2.25	23
10-088	Profile 80x80 Standard	136.85	136.85	34.21	34.21	19.98	5.45	27
10-089	Profile R40x80 90° Standard	21.68	110.54	8.73	20.89	12.67	3.44	23
10-120	Profile 120x40 Standard	25.04	225.56	12.52	37.59	16.66	4.35	28
10-140	Profile 40x40 Bi-Slot Corner	9.29	9.29	4.64	4.64	6.67	1.81	20
10-160	Profile 160x80 Standard	268.68	738.22	67.17	92.28	37.76	10.29	29
10-161	Profile 16x160	3.73	289.10	4.13	36.14	12.98	3.45	24
10-164	Profile 160x40 Standard	32.84	368.96	16.42	46.12	21.23	5.80	28
10-180	Profile 80x40 Tri-Slot Corner	16.61	68.92	8.14	17.15	11.16	2.83	26
10-240	Profile 40x40 Bi-Slot Mid-Frame	9.57	9.13	4.79	4.57	6.73	1.82	20
10-340	Profile 40x40 Tri-Slot	9.94	9.33	4.01	4.66	6.83	1.82	20
10-380	Profile 80x40 Quad-Slot	16.77	69.20	8.21	17.30	11.28	3.06	26
10-440	Profile 40x40 Mono-Slot	8.47	8.71	4.08	4.35	5.81	1.56	20
10-540	Profile 40x40 Light	8.27	8.27	4.14	4.14	5.20	1.41	19
10-680	Profile 80x40 Light	15.30	56.78	7.65	14.70	9.10	2.46	26
11-040	Profile 40x40 Heavy	14.26	14.26	7.13	7.13	9.29	2.53	19
11-056	Profile Post 56x56	46.09	46.09	14.98	14.98	13.17	3.53	31
11-080	Profile 80x40 Heavy	26.97	102.65	13.48	25.66	16.74	4.58	26
11-084	Profile 80x80x40 Corner Heavy	127.47	128.57	27.62	27.66	23.23	6.27	30
11-088	Profile 80x80 Heavy	186.37	186.37	46.59	46.59	26.23	7.02	27
11-089	Profile 80x80 Extra Heavy	223.90	223.90	55.97	55.97	37.39	9.83	27
11-100	Profile 40x100 Heavy	31.22	193.34	15.61	38.67	18.02	4.94	25
11-122	Profile 120x80 Heavy	274.14	738.22	68.53	119.29	39.79	10.82	27
11-128	Profile 28x160	20.62	737.99	14.73	92.25	31.27	8.46	25
11-140	Profile 160x40 Heavy	53.10	738.07	26.55	92.26	32.17	8.72	28
11-160	Profile 160x80 Heavy	343.37	1106.92	85.84	138.37	48.23	13.07	29
11-540	Profile 40x40 Heavy Square	15.78	15.78	7.89	7.89	7.98	2.16	31

T-Slot Detail

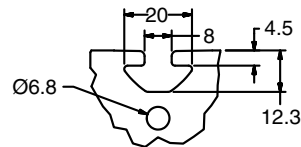
Light



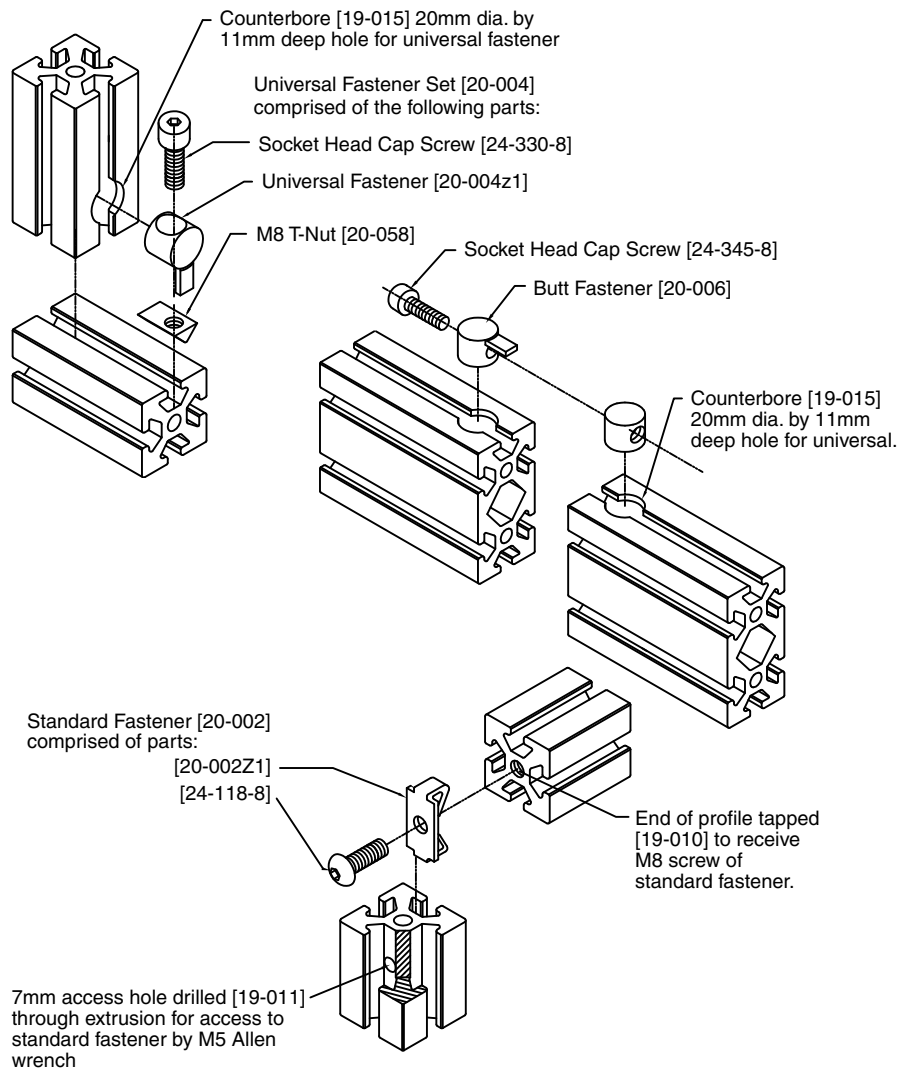
Standard



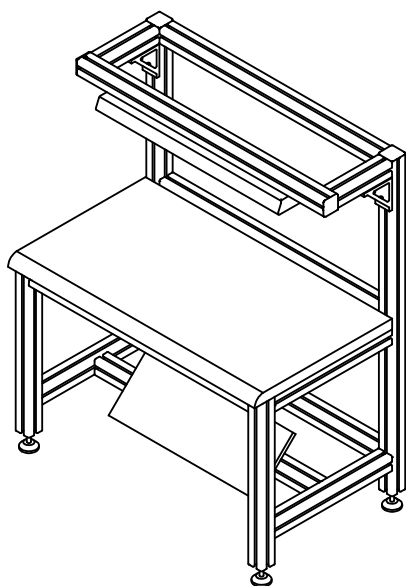
Heavy



Service



40x40 Slotted Profiles



Application

With T-slots located on all four faces this profile provides extensive mounting options for connections and accessories directly onto a structure, making this an excellent choice for general purpose applications such as workstations, machine guarding and enclosures. These profiles are weight optimized and available in light, standard and heavy ratings.

Technical Data

Aluminum, Clear or Black Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-540	8.27	8.27	4.14	4.14	5.20	1.41
10-040	9.46	9.46	4.73	4.73	6.65	1.72
11-040	14.26	14.26	7.13	7.13	9.29	2.53

Ordering Information

Description	Unit	Part # (Clear)	Part # (Black)
Profile 40x40 Light	Cut off max. 6m	10-540	10-540B
Profile 40x40 Standard	Cut off max. 6m	10-040	10-040B
Profile 40x40 Heavy	Cut off max. 6m	11-040	
*Saw Cut Needed for Cut to Length		19-001	19-001

Quick Reference for Mating Components

Fasteners

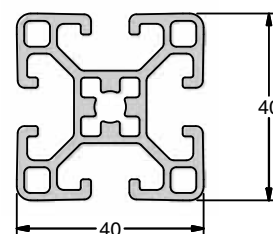
Standard Fastener (Single)	20-144
Standard Fastener	20-002
Universal Fastener	20-004

End Caps

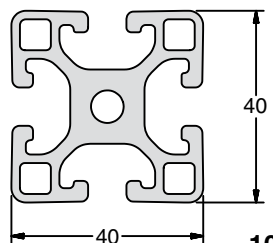
40x40	18-813
40x40 Secure	18-913

Structural Accessories

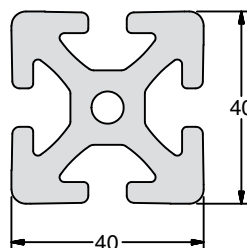
Levelers	Page 156
Casters	Page 167
Plates	Page 102
Gussets	Page 104
Fasteners	Page 73
Machining & Processing	Page 231



10-540

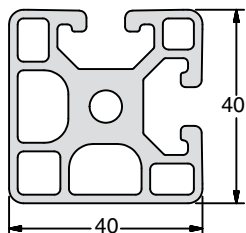


10-040

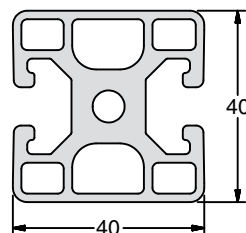


11-040

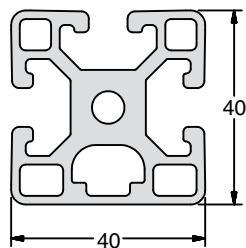
40x40 Closed Face Profiles



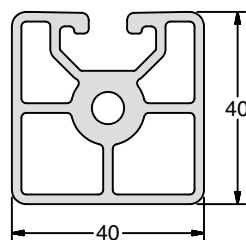
10-140



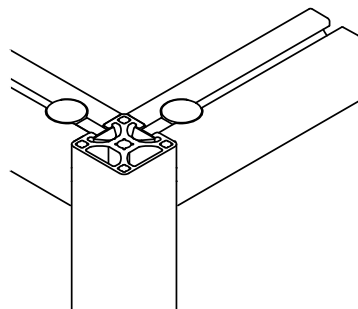
10-240



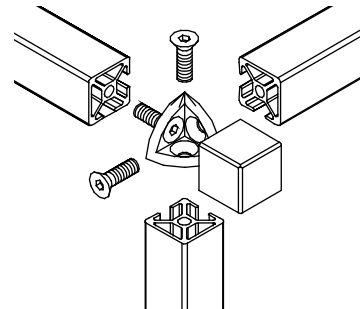
10-340



10-440



Universal Fastening Set 20-004
on 40 x 40 bi-slot corner profile.



Corner Bracket and Square Connector
Cap used with 40 x 40 bi-slot corner
profile.

Application

These profiles are similar to 40X40 Standard profiles except closed faces are positioned in various arrangements. This provides efficient fastening in a variety of configurations while retaining a smooth surface for applications requiring an aesthetically clean look. They are particularly useful in clean room, packaging, medical and pharmaceutical applications as they reduce areas where contaminants and dirt could potentially accumulate.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-140	9.29	9.29	4.64	4.64	6.67	1.81
10-240	9.57	9.13	4.79	4.57	6.73	1.82
10-340	9.94	9.33	4.01	4.66	6.83	1.82
10-440	8.47	8.71	4.08	4.35	5.81	1.56

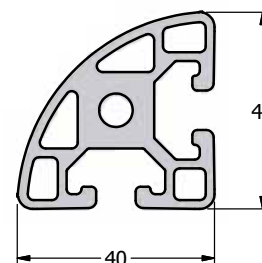
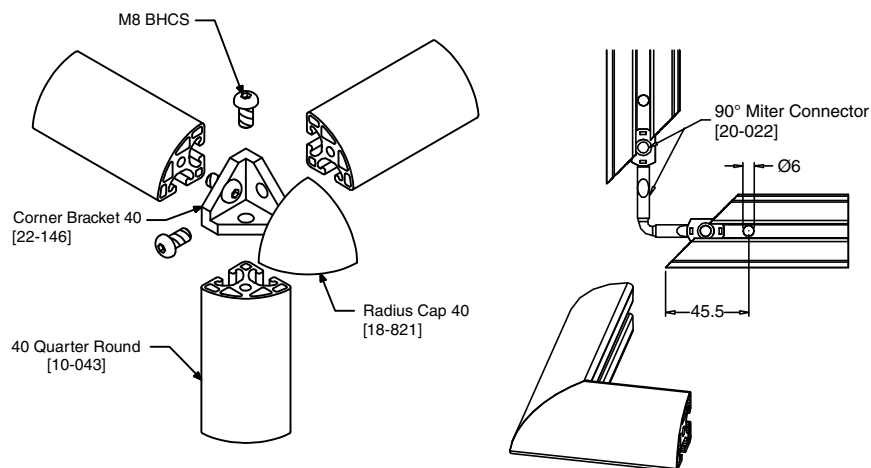
Ordering Information

Description	Unit	Part # (Clear)
Profile 40x40 Bi-Slot Corner	Cut off max. 6m	10-140
Profile 40x40 Bi-Slot Mid-Frame	Cut off max. 6m	10-240
Profile 40x40 Tri-Slot	Cut off max. 6m	10-340
Profile 40x40 Mono-Slot	Cut off max. 6m	10-440
*Saw Cut Needed for Cut to Length		19-001

Quick Reference for Mating Components

Fasteners		T-Nuts	
Standard Fastener (Single)	20-144	M5 Roll-In	20-052
Universal Fastener	20-004	M6 Roll-In	20-056
Flat Plate Fast.	20-028	M8 Roll-In	20-058
End Caps		M8/40 Double Roll-In	20-050
40x40	18-813	M6 Economy Standard	20-080
40x40 Secure	18-913	M8 Economy Standard	20-081

40x40 Quarter Round Profile



10-043

Application

This profile is designed with a radius quarter round face and T-Slots on the remaining perpendicular sides. This is particularly useful for engineering frames, workstation edges, shelving or enclosures where a rounded edge is aesthetically or functionally desirable.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-043	6.95	6.95	3.15	3.15	5.87	1.59

Ordering Information

Description	Unit	Part # (Clear)
Profile 40x40 Quarter Round	Cut off max. 6m	10-043
*Saw Cut Needed for Cut to Length		19-001

Quick Reference for Mating Components

Fasteners

Flat Plate Fastener	20-028
90° Miter Connector	20-128Z1
40 Series Miter Connector	20-022

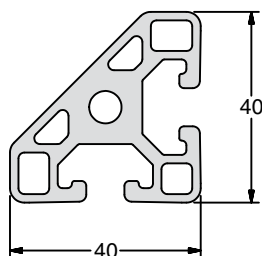
End Cap

40x40 Quarter Round	18-843
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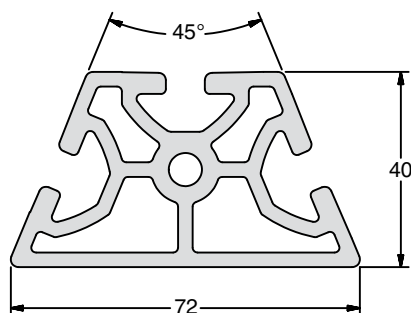
Radius Profile Accessories

Connector Cap, Radius	18-821
Tap profile end for M8	19-010
45° Miter Cut	19-105
Special Miter Cut	19-104

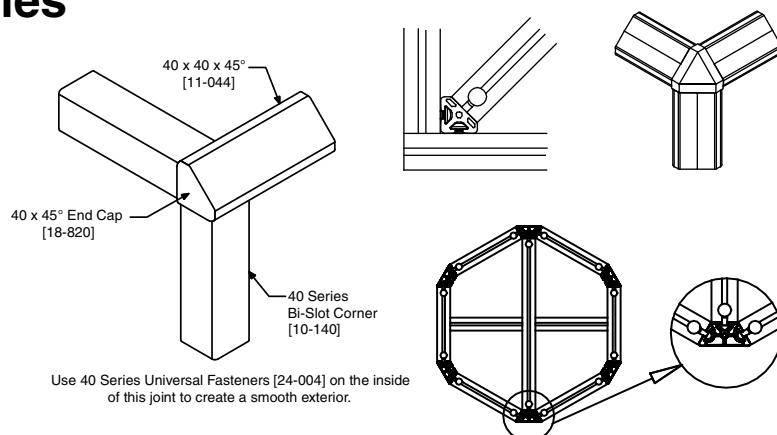
40 Series Angled Profiles



10-044



10-045**



Application

With angled faces and perpendicular T-Slots, profile 10-044 is ideal for smoothing corners of structures for clean room, medical, pharmaceutical as well as display and workstation applications. This can also be used as gussets or for placing profiles at a 45° angle within a structure.

Profile 10-045 provides T-Slots on three sides: one parallel with the closed face, and two positioned to provide a 45° angle. This profile can be used when creating polygonal shaped structures.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I _x [cm ⁴]	I _y [cm ⁴]	W _x [cm ³]	W _y [cm ³]	Section [cm ²]	Weight [kg/m]
10-044	6.79	6.79	3.03	3.03	5.72	1.53
10-045	16.25	34.51	7.40	12.20	10.22	2.76

Ordering Information

Description	Unit	Part # (Clear)
Profile 40x40-45° Standard	Cut off max. 6m	10-044
Profile 40x45°. Standard	Each, 3m**	10-045
*Saw Cut Needed for Cut to Length		19-001

Quick Reference for Mating Components

Fasteners

Standard Fastener (Single)	20-144
Universal Fastener	20-004

End Caps

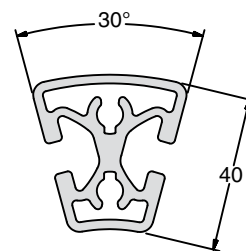
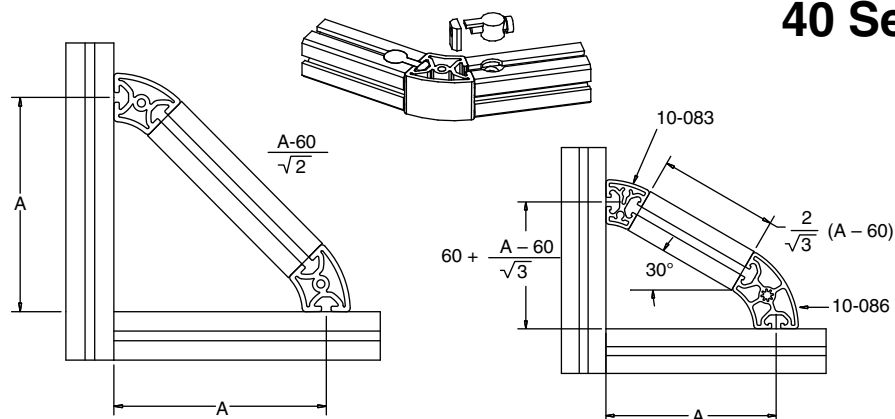
40x40-45°	18-820
40-45°	18-845

Angle Profile Accessories

Corner Bracket 40	22-146
Connector Cap, 3x45°	18-822
Connector Cap, 2x45°	18-836
45° Miter Cut	19-105
Special Miter Cut	19-104
Tap profile end for M8	19-010

** Available in 3m bar only

40 Series Radius Profiles



10-083**

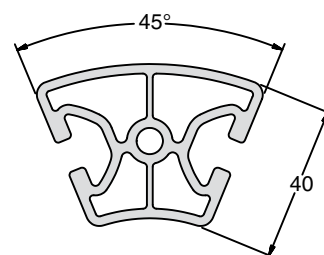
Application

Radius surfaces on two facing sides make these profiles particularly useful for creating rounded corners. They are ideal for applications requiring an aesthetically pleasing look, or where contaminants and dirt must be kept to a minimum such as medical and pharmaceutical environments. These profiles are also useful in constructing cases, tables and angled structure bases.

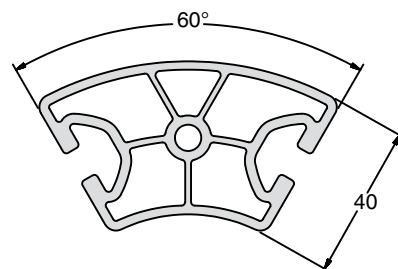
Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

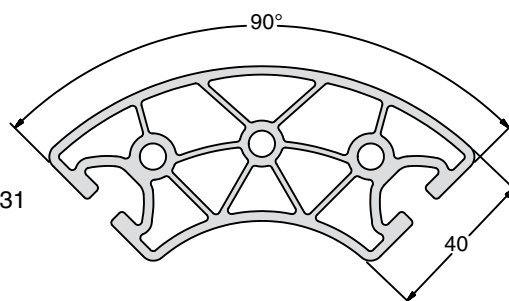
Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-083	8.48	5.87	4.01	3.64	5.71	1.57
10-085	10.96	16.64	4.75	8.23	6.99	1.92
10-086	13.02	35.75	6.30	10.38	8.26	2.25
10-089	21.68	110.54	8.73	20.89	12.67	3.44



10-085**



10-086**



10-089**

Ordering Information

Description

Profile R40x80 30° Standard

Profile R40x80 45° Standard

Profile R40x80 60° Standard

Profile R40x80 90° Standard

*Saw Cut Needed for Cut to Length

Unit**

Each, 3m

Each, 3m

Each, 3m

Each, 3m

Part # (Clear)

10-083

10-085

10-086

10-089

19-001

Quick Reference for Mating Components

Fasteners

Universal Fastener

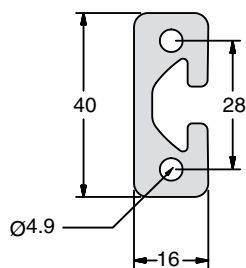
20-004

Structural Accessories

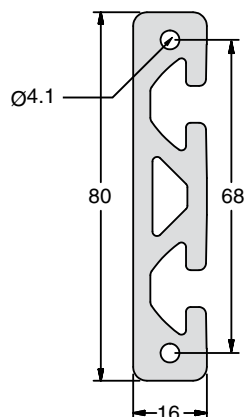
Machining & Processing Page 231

** Available in 3m bar only.

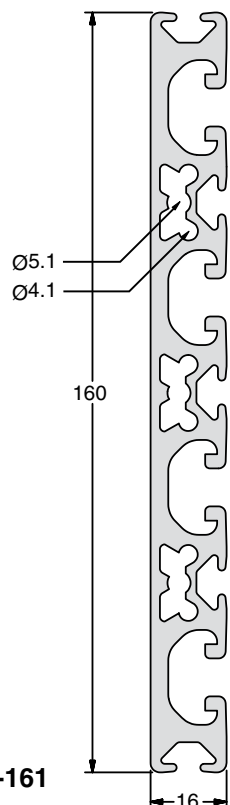
40 Series 16mm Profiles



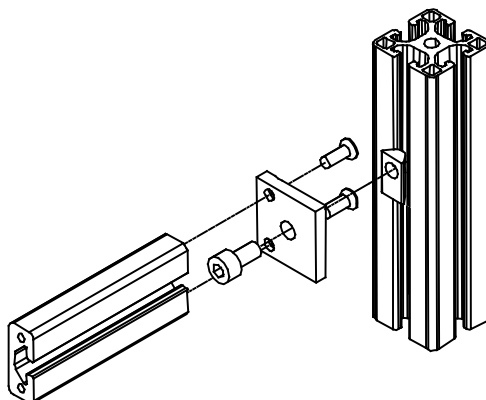
10-016



10-081



10-161



Application

Light construction and support for attaching items such as valves, limit switches, pneumatics and control equipment. Profile 10-081 can be used as a base plate on Roller System 6 Bearing Units. Profile 10-161 has a large surface area with 8mm and 5mm T-Slots providing convenient attachment points for multiple accessories (this profile should not be used as a structural member).

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-016	1.10	7.19	1.29	3.60	4.38	1.17
10-081	2.22	50.72	2.61	12.68	8.41	2.20
10-161	3.37	289.10	4.13	36.14	12.98	3.45

Ordering Information

Description	Unit	Part # (Clear)
Profile 16x40	Cut off max. 6m	10-016
Profile 16x80	Cut off max. 6m	10-081
*Saw Cut Needed for Cut to Length		19-001
Profile 16x160	Cut off max. 6m	10-161
*Saw Cut Needed for Cut to Length		19-003

Quick Reference for Mating Components

Fasteners

Butt-Fastening Set M6	20-006
Flat Plate Fastening Set	20-028

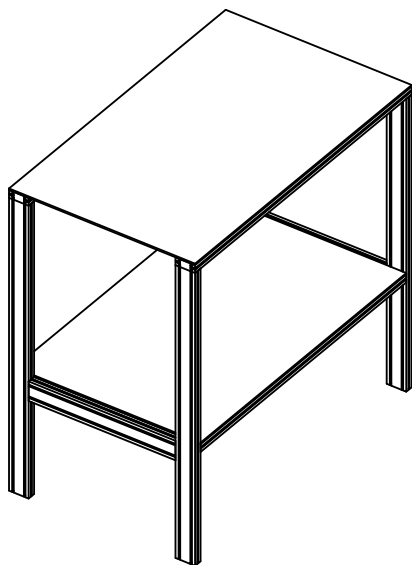
T-Nut Examples

M5 Roll-In Single	20-052
M8 Roll-In Double	20-050

End Cap

Profile 16x40	18-811
Profile 16x80	18-812
Profile 16x160	18-806

100x40 and 160x28 Profiles



Application

These heavy profiles are ideal for general engineering structures such as machine bases, structural supports and mounting surfaces on fixturing applications. 11-128 is used as a carriage plate for bearing block assemblies on Linear System 14.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

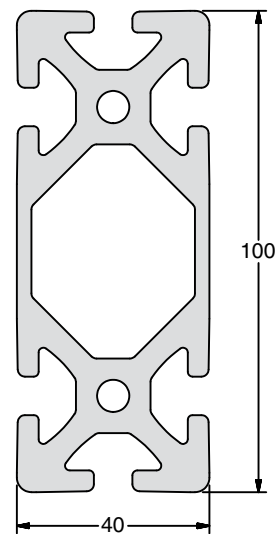
Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
11-100	31.22	193.34	15.61	38.67	18.02	4.94
11-128	20.62	737.99	14.73	92.25	31.27	8.46

Ordering Information

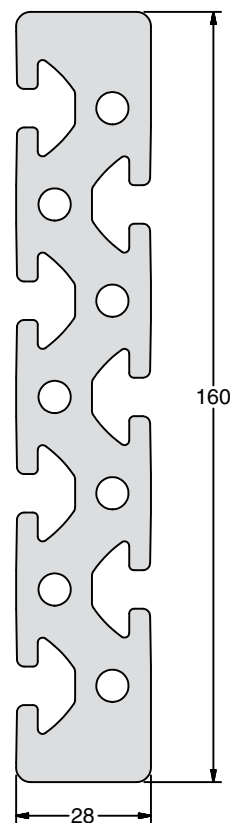
Description	Unit	Part # (Clear)
Profile 40x100 Heavy	Cut off max. 6m	11-100
*Saw Cut Needed for Cut to Length		19-002
Profile 28x160	Cut off max. 6m	11-128
*Saw Cut Needed for Cut to Length		19-003

Quick Reference for Mating Components

End Cap	Fasteners
160x28	Standard Fastener
18-816	Universal Fastener
	T-Slot Nuts
	Page 82

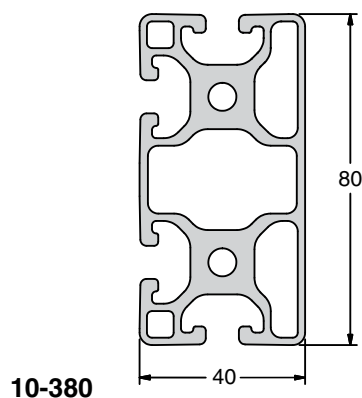
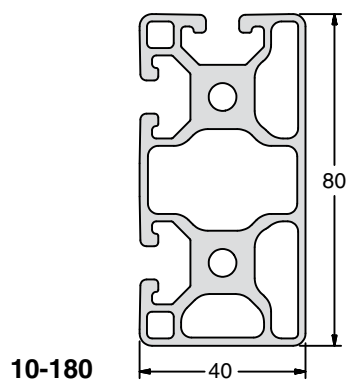
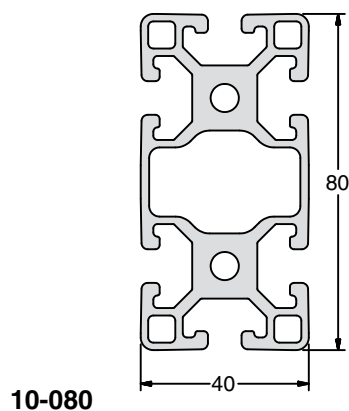
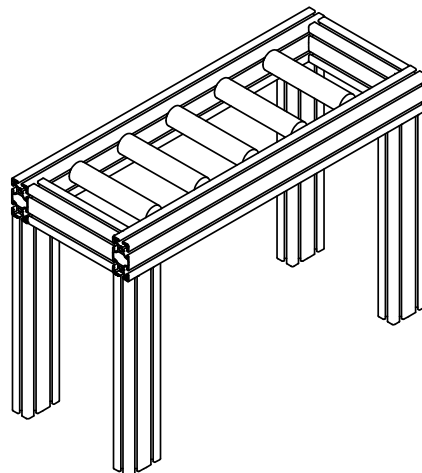
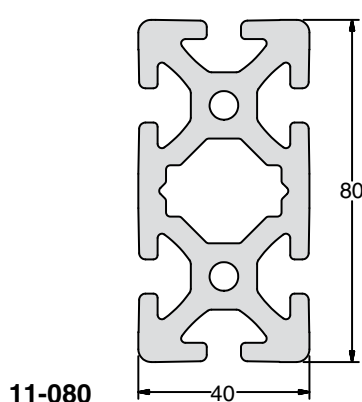
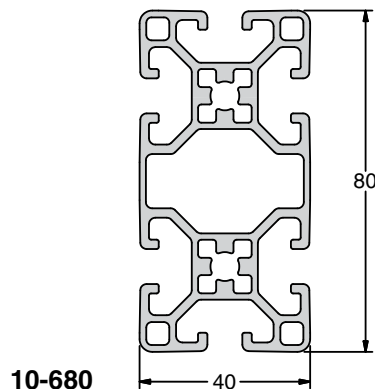


11-100



11-128

80x40 Profiles



Application

Designed for applications where high strength is required. Ideal for general engineering structures such as machine frames, work stations and support structures. Profiles 10-080 and 11-080 can be used in the construction of linear slides with the IPS Roller Systems. Both profiles can also be used for compressed air piping.

Technical Data

Aluminum, Clear or Black Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-680	15.30	58.78	7.65	14.70	9.10	2.46
10-080	17.23	71.56	8.62	17.89	11.49	3.18
10-180	16.61	68.92	8.14	17.15	11.16	2.83
10-380	16.77	69.20	8.21	17.30	11.28	3.06
11-080	26.97	102.65	13.48	25.66	16.74	4.58

Ordering Information

Description	Unit	Part # (Clear)	Part # (Black)
Profile 80x40 Light	Cut off max. 6m	10-680	
Profile 80x40 Standard	Cut off max. 6m	10-080	10-080B
Profile 80x40 Tri-Slot Corner	Cut off max. 6m	10-180	
Profile 80x40 Quad-Slot	Cut off max. 6m	10-380	
Profile 80x40 Heavy	Cut off max. 6m	11-080	
*Saw Cut Needed for Cut to Length		19-001	

Quick Reference for Mating Components

Fasteners

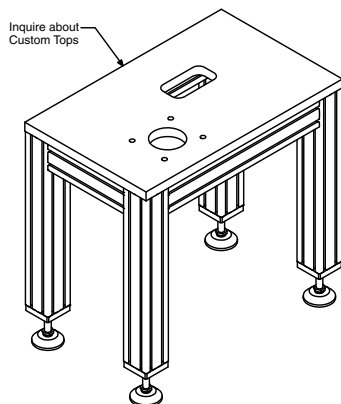
Standard Fastener (Single)	20-144
Standard Fastener	20-002

End Caps

80x40	18-814
80x40 Secured	18-914

Structural Accessories

Compressed Air Fittings	Page 176
Levelers	Page 156
Plates	Page 102
Gussets	Page 104
Linear Slides	Page 206



80x80 and 120x80 Profiles

Application

Designed for heavy duty applications and construction of linear slides with IPS roller systems, these profiles are also suitable for multiple channel compressed air piping.

Profile 11-089 can be used as a manifold for pressurized air (150 psi). A support bearing can be pressed into the center diameter to hold shafts or spindles for rotary applications. This diameter can also be used to house electrical or air lines.

Technical Data

Aluminum, Clear or Black Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I _x [cm ⁴]	I _y [cm ⁴]	W _x [cm ³]	W _y [cm ³]	Section [cm ²]	Weight [kg/m]
10-088	136.85	136.85	34.21	34.21	19.98	5.45
11-088	186.36	186.37	46.59	46.59	26.23	7.02
11-089	223.90	223.90	55.97	53.97	37.39	9.83
11-122	274.14	738.22	68.53	119.29	39.79	10.82

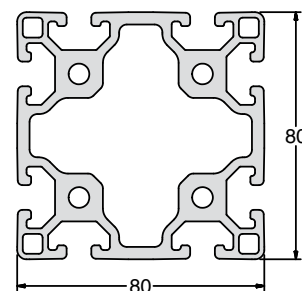
Ordering Information

Description	Unit	Part # (Clear)	Part # (Black)
Profile 80x80 Standard	Cut off max. 6m	10-088	10-088B
Profile 80x80 Heavy	Cut off max. 6m	11-088	
*Saw Cut Needed for Cut to Length		19-002	19-002
Profile 80x80 Extra Heavy	Cut off max. 6m	11-089**	
Profile 80x120 Heavy	Cut off max. 6m	11-122	
*Saw Cut Needed for Cut to Length		19-003	

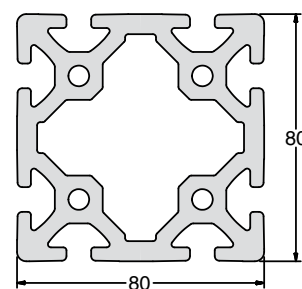
Quick Reference for Mating Components

Fasteners		Structural Accessories	
Standard Fastener	20-002	Compressed Air Fittings	Page 176
Universal Fastener	20-004	Plates	Page 102
End Caps		Gussets	Page 104
80x80	18-815	Linear Slides	Page 206
80x80 Secured	18-915		
80x120	18-841		

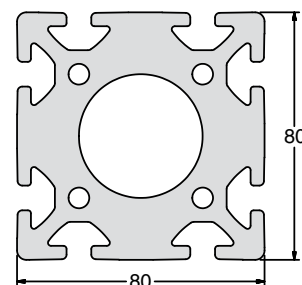
** Requires single ear fastener 20-144 / 25-014



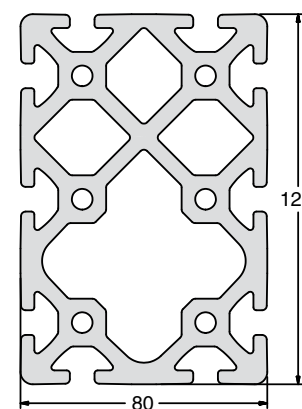
10-088



11-088

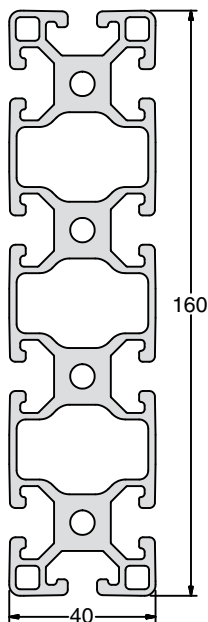


11-089

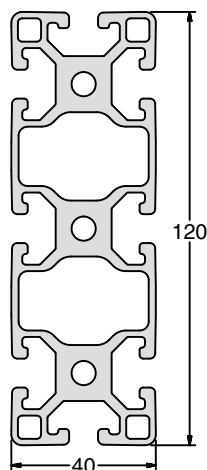


11-122

120x40 and 160x40 Profiles



10-164



10-120

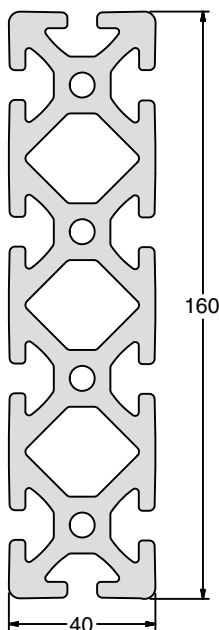
Application

Designed for applications such as fixturing, vertical structural support and headers for bearing block assemblies on IPS Linear System 14. These profiles are also suitable for multiple channel compressed air piping.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-120	25.04	225.56	12.52	37.59	16.66	4.35
10-164	32.84	368.96	16.42	46.12	21.23	5.80
11-140	53.10	738.07	26.55	92.26	32.17	8.72



11-140

Ordering Information

Description	Unit	Part # (Clear)
Profile 120x40 Standard	Cut off max. 6m	10-120
Profile 160x40 Standard	Cut off max. 6m	10-164
Profile 160X40 Heavy	Cut off max. 6m	11-140
*Saw Cut Needed for Cut to Length		19-003

Quick Reference for Mating Components

Fasteners

Standard Fastener	20-002
Universal Fastener	20-004

End Caps

120x40	18-840
160x40	18-817

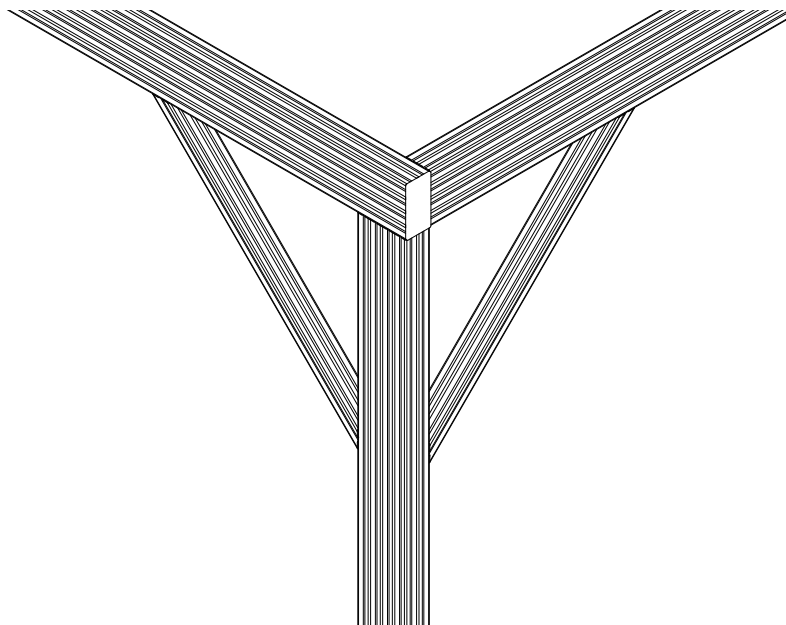
T-Nut Examples

M5 Roll-In Single	20-052
M8 Roll-In Double	20-050

Structural Accessories

Compressed Air Fittings	Page 176
Machining & Processing	Page 231

160x80 Profiles



Application

Designed for very high load or wide span applications and construction of linear slides with IPS Roller Systems. These high strength profiles are also suitable for multiple channel compressed air piping.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-160	268.68	738.22	67.17	92.28	37.76	10.29
11-160	343.37	1106.92	85.84	138.37	48.23	13.07

Ordering Information

Description

Profile 160x80 Standard

Profile 160x80 Heavy

*Saw Cut Needed for Cut to Length

Unit

Cut off max. 6m

Cut off max. 6m

Part # (Clear)

10-160

11-160

19-003

Quick Reference for Mating Components

Fasteners

Standard Fastener

20-002

Universal Fastener

20-004

End Caps

160x80

18-818

Structural Accessories

Levelers

Page 156

Casters

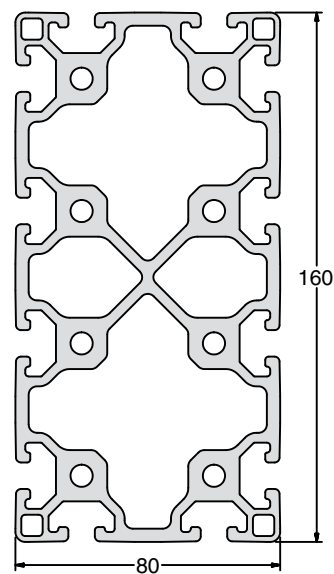
Page 167

Plates

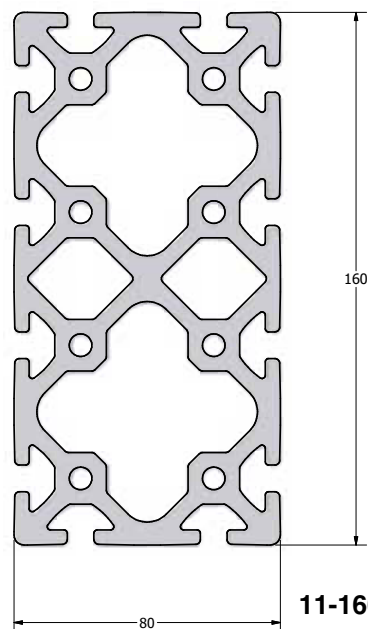
Page 102

Gussets

Page 104

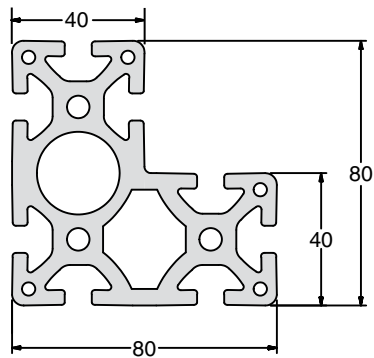


10-160



11-160

Heavy Corner Profile



11-084



Application

Designed for very high load or wide span applications and construction corner posts in structures or machine assemblies. This high strength profile is also suitable for multiple channel compressed air piping.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
11-084	127.47	128.57	27.62	27.66	23.23	6.27

Ordering Information

Description	Unit**	Part # (Clear)
Profile 80x80x40 Corner Heavy	Each	11-084
*Saw Cut Needed for Cut to Length		19-003

Quick Reference for Mating Components

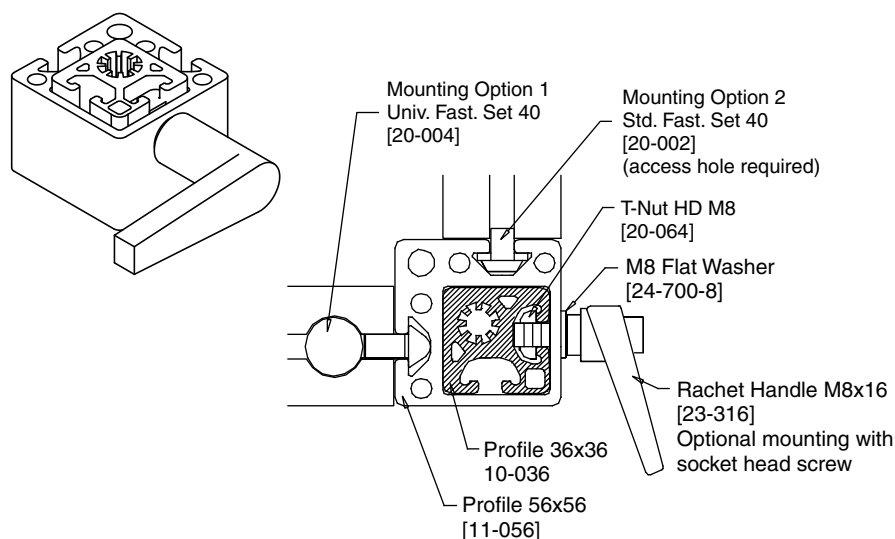
Fasteners

Standard Fastener	20-002
Universal Fastener	20-004

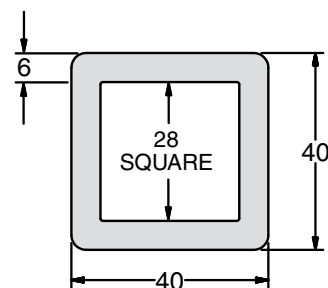
T-Nut Examples

M6 Roll-In	20-056
M8 Roll-In	20-058
M8/40 Double Roll-In	20-049
T-Slot Nut, HD M8	20-064

** Available in 3m bar only



Post and Square Profiles



11-540

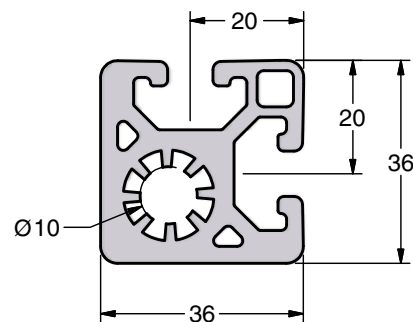
Application

These profiles are engineered as support elements for a variety of applications including table bases, frames and machine guarding. Profile 10-036 fits into the cavity of 11-056 to create a telescoping post for work stations or tables. This cavity can also be used as a channel for counterweights.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

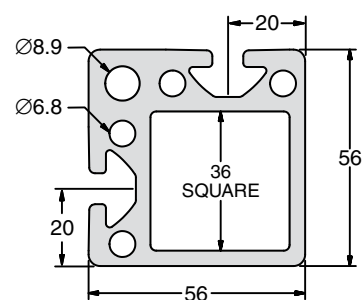
Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
11-540	15.78	15.78	7.89	7.89	7.98	2.16
10-036	8.55	8.55	4.32	4.32	7.18	1.94
11-056	46.09	46.09	14.98	14.98	13.17	3.53



10-036

Ordering Information

Description	Unit	Part # (Clear)
Profile 40x40 Heavy Square	Cut off max. 6m	11-540
Profile Post 36x36	Cut off max. 6m	10-036
Profile Post 56x56	Cut off max. 6m	11-056
*Saw Cut Needed for Cut to Length		19-001



11-056

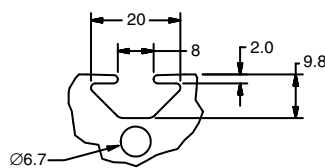
Quick Reference for Mating Components

End Caps	Structural Accessories
40x40 (11-540 only)	Ratchet Handle
56x56 Post Profile	Flat Plate Fastener

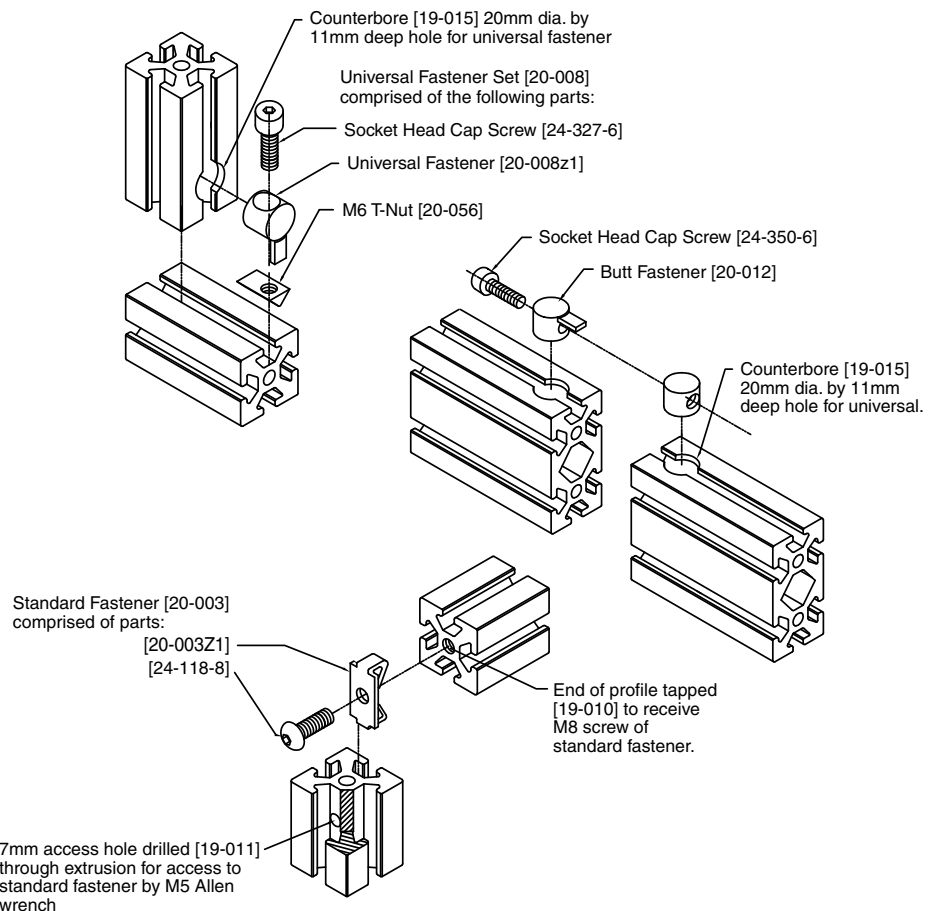
30 Series Profiles

Part #	Description	Moment of Inertia		Section Modulus		Section [cm ²]	Weight [kg/m]	Cat. Page
		I _x [cm ⁴]	I _y [cm ⁴]	W _x [cm ³]	W _y [cm ³]			
12-030	Profile 30x30	3.15	3.15	2.10	2.10	3.33	0.90	33
12-033	Profile 30x30 Quarter Round	2.48	2.48	1.51	1.51	3.13	0.85	34
12-034	Profile 30x30 Bi-Slot Corner	3.52	3.51	2.24	2.23	3.69	1.00	33
12-060	Profile 30x60	6.12	21.20	4.08	7.07	6.19	1.68	35

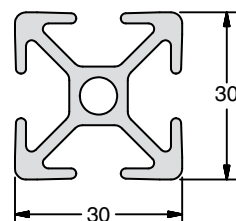
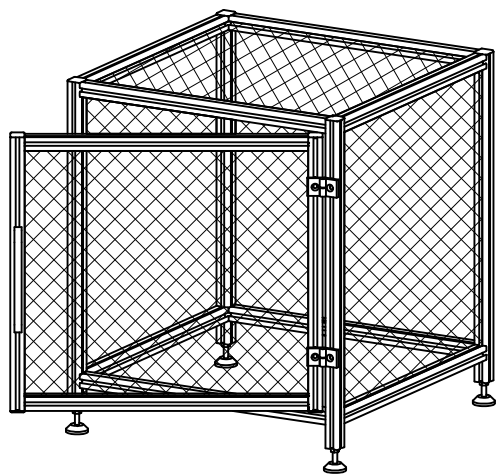
T-Slot Detail



Service



30x30 Profiles



12-030

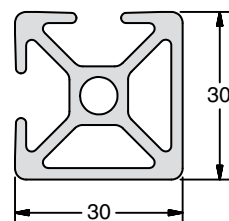
Application

Designed for general structures, safety guards and partition frames, light duty enclosures and industrial peripherals. Profile 12-034 has closed faces on two perpendicular sides making it ideal for constructing smooth corners.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
12-030	3.15	3.15	2.10	2.10	3.33	0.90
12-034	3.52	3.51	2.24	2.23	3.69	1.00



12-034

Ordering Information

Description	Unit	Part # (Clear)
Profile 30x30	Cut off max. 6m	12-030
Profile 30x30 Bi-Slot Corner	Cut off max. 6m	12-034
*Saw Cut Needed for Cut to Length		19-001

Quick Reference for Mating Components

Fasteners

Standard Fastener	20-003
Universal Fastener	20-008

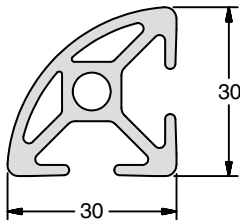
End Caps

30x30	18-803
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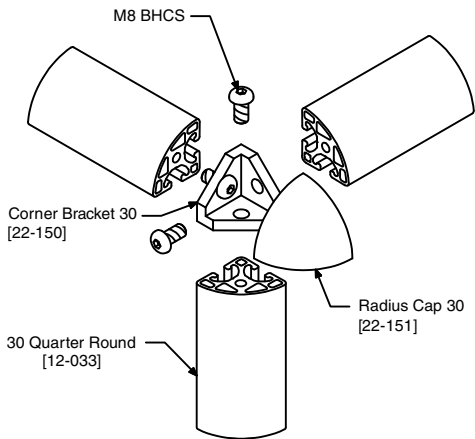
Structural Accessories

Corner Bracket 30	22-150
Connector Cap 30 (Sq)	22-152
Leveling Foot	21-001-30
T-Slot Nuts	Page 82

30x30 Quarter Round



12-033



Application

Designed with a quarter round smooth face and T-Slots, this profile is particularly useful for engineering frames, shelving or enclosures where a radius edge is aesthetically or functionally desirable.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I _x [cm ⁴]	I _y [cm ⁴]	W _x [cm ³]	W _y [cm ³]	Section [cm ²]	Weight [kg/m]
12-033	2.48	2.48	1.51	1.51	3.13	0.85

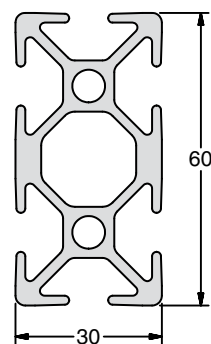
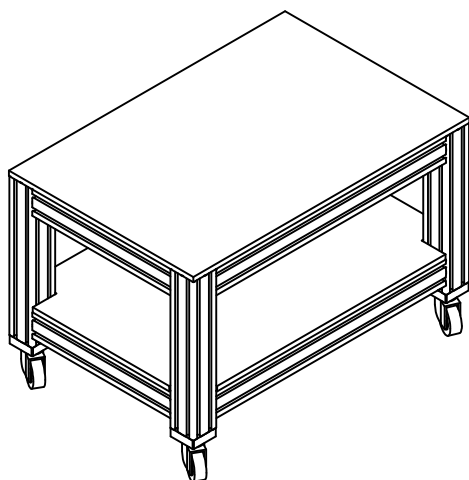
Ordering Information

Description	Unit	Part #
Profile 30x30 Quarter Round	Cut off max. 6m	12-033
*Saw Cut Needed for Cut to Length		19-001

Quick Reference for Mating Components

Fasteners		Corner Connector Caps		Pg. 98
Flat Plate Fastener	20-028	Connector Cap, Radius		22-151
Miter Connector 30	20-024	Tap Profile End for M8		19-010
Corner Bracket 30	22-150	45° Miter Cut		19-104

60x30 Profiles



12-060

Application

These profiles are ideal for general use structures, safety guards and partition frames, light duty enclosures and industrial peripherals.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
12-060	6.12	21.20	4.08	7.07	6.19	1.68

Ordering Information

Description	Unit	Part #
Profile 30x60	Cut off max. 6m	12-060
*Saw Cut Needed for Cut to Length		19-001

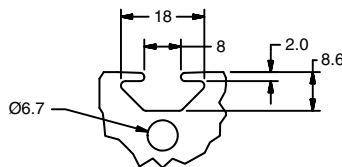
Quick Reference for Mating Components

Fasteners		T-Nut Examples	
Standard Fastener	20-003	M6 Roll-In	20-056
Universal Fastener	20-008	M8 Roll-In	20-058
End Caps		M8/40 Double Roll-In	20-049
30x60	18-863	T-Slot Nut, HD M8	20-064

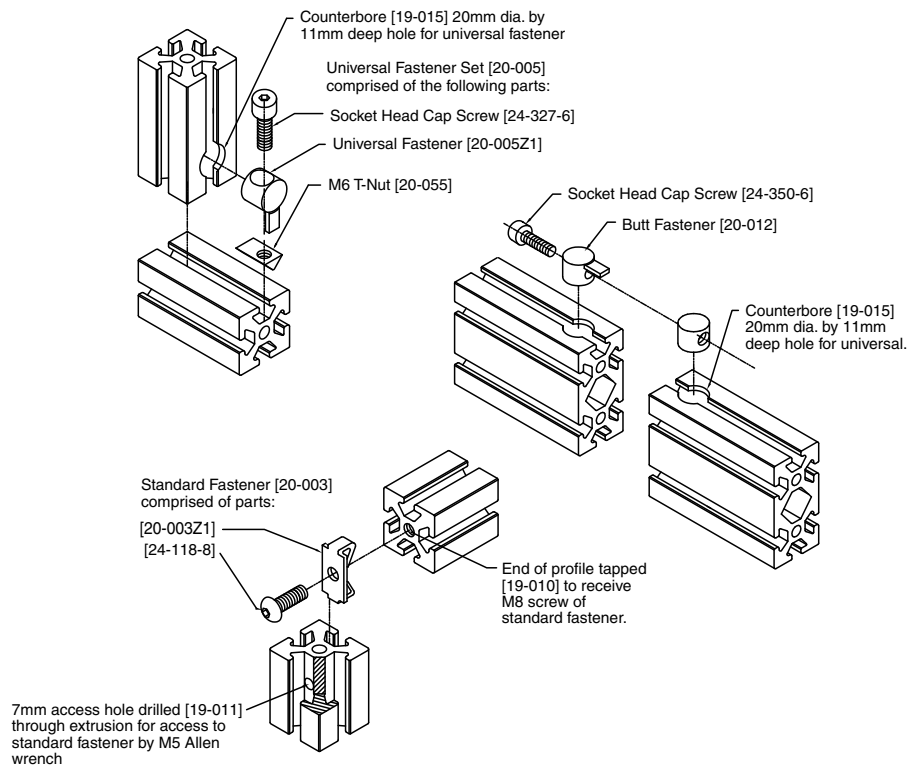
28 Series Profiles

Part #	Description	Moment of Inertia		Section Modulus		Section [cm ²]	Weight [kg/m]	Cat. Page
		I _x [cm ⁴]	I _y [cm ⁴]	W _x [cm ³]	W _y [cm ³]			
12-028	Profile 28x28 Quad-Slot	2.37	2.27	1.70	1.62	2.96	0.81	37
12-428	Profile 28x56 Open Slot	4.65	16.42	3.32	5.86	5.60	1.51	37
12-056	Profile 56x56 Light	30.44	30.44	10.87	10.87	8.87	2.40	37
12-128	Profile 28x28 Tri-Slot	2.64	2.35	1.78	1.68	3.12	0.84	38
12-228	Profile 28x28 Bi-Slot	2.69	2.69	1.83	1.83	3.32	0.90	38
12-328	Profile 28x28 Bi-Slot Mid-Frame	2.41	3.00	1.72	2.14	3.32	0.90	38
12-044	Profile 28x28 45 Deg.	1.97	1.97	1.28	1.28	2.87	0.78	39
12-628	Profile 28x56 Bi-Slot	5.92	18.01	4.23	6.43	6.36	1.72	40
12-728	Profile 28x56 Quad-Slot	5.23	17.10	3.53	6.11	5.96	1.62	40

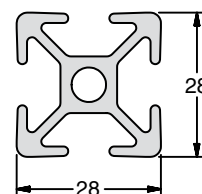
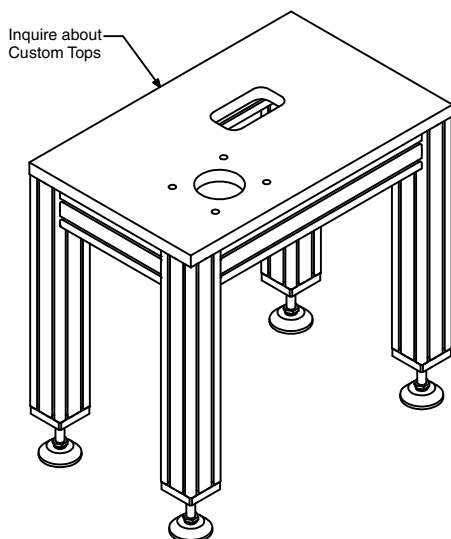
T-Slot Dimensions



Service



28x28, 56x28 and 56x56 Slotted Profiles



12-028

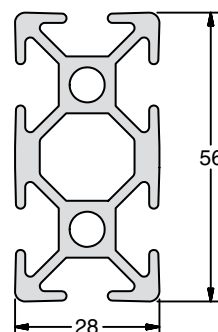
Application

These profiles are designed with T-slot faces on all four sides. They are useful for constructing safety guards, partition frames, light duty enclosures and industrial peripherals.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
12-028	2.37	2.27	1.70	1.62	2.96	0.81
12-428	4.65	16.42	3.32	5.86	5.60	1.51
12-056	30.44	30.44	10.87	10.87	8.87	2.40



12-428

Ordering Information

Description

Profile 28x28 Quad-Slot

Profile 28x56 Open Slot

Profile 56x56

*Saw Cut Needed for Cut to Length

Unit

Cut off max. 6m

Cut off max. 6m

Cut off max. 6m

Part

12-028

12-428

12-056

19-001

Quick Reference for Mating Components

Fasteners

Standard Fastener

20-003

Universal Fastener

20-005

End Caps

28x28

18-808

28x56

18-809

T-Nut Examples

Roll-In Single M6

20-055

Roll-In Single M8

20-057

Economy Standard M6

20-090

Economy Offset M6

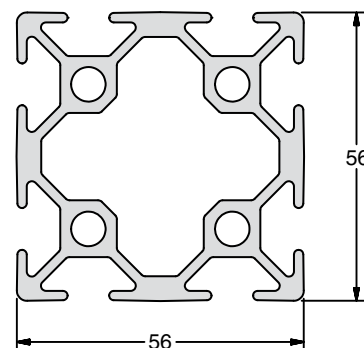
20-190

Economy Standard M8

20-091

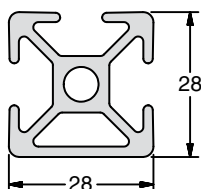
Economy Offset ¼-20

20-193

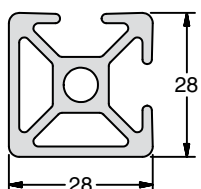


12-056

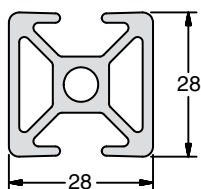
28x28 Closed Face Square Profiles



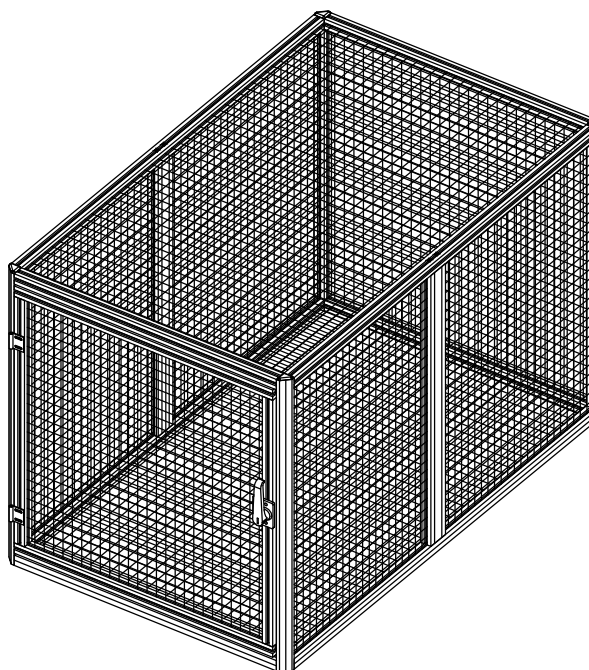
12-128



12-228



12-328



Application

Designed with various closed faces, these profiles provide efficient fastening in a variety of configurations while retaining a smooth exterior for an aesthetically clean look.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
12-128	2.64	2.35	1.78	1.68	3.12	0.84
12-228	2.69	2.69	1.83	1.83	3.32	0.90
12-328	2.41	3.00	1.72	2.14	3.32	0.90

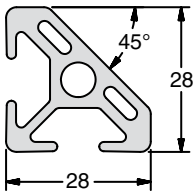
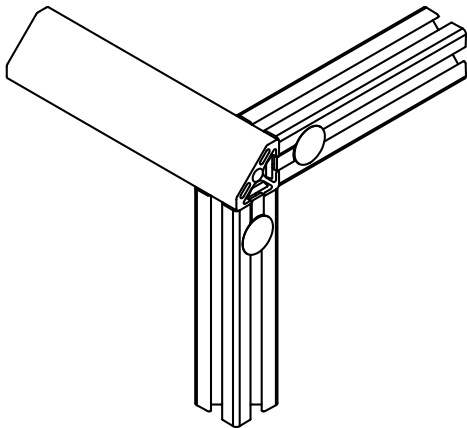
Ordering Information

Description	Unit	Part #
Profile 28x28 Tri-Slot	Cut off max. 6m	12-128
Profile 28x28 Bi-Slot	Cut off max. 6m	12-228
Profile 28x28 Bi-Slot Mid-Frame	Cut off max. 6m	12-328
*Saw Cut Needed for Cut to Length		19-001

Quick Reference for Mating Components

Fasteners	End Caps	
Flat Plate Fastening Set 20-028	28x28	18-808
Universal Fastening Set 20-005		
Standard Fastener 20-003		

28x28 Angled Closed Face Profile



12-044

Application

Designed with an angled closed face and T-Slots on two sides. This profile is ideal for applications where perpendicular surfaces are not desired.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
12-044	1.97	1.97	1.28	1.28	2.87	0.78

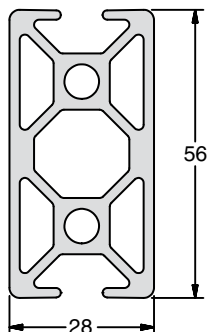
Ordering Information

Description	Unit	Part #
Profile 28x28 45°	Cut off max. 6m	12-044
*Saw Cut Needed for Cut to Length		19-001

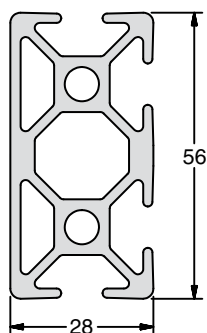
Quick Reference for Mating Components

Fasteners		T-Nut Examples	
Flat Plate Fastening Set	20-028	Roll-In Single M6	20-055
End Caps		Roll-In Single M8	20-057
28x28-45°	18-844	Economy Standard M6	20-090

56x28 Closed Face Profiles



12-628



12-728

Application

Designed with various closed faces, these profiles provide efficient fastening in a variety of configurations while retaining a smooth exterior for an aesthetically clean look.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
12-628	5.92	18.01	4.23	6.43	6.36	1.72
12-728	5.23	17.10	3.53	6.11	5.96	1.62

Ordering Information

Description	Unit	Part #
Profile 28x56 Bi-Slot	Cut off max. 6m	12-628
Profile 28x56 Quad-Slot	Cut off max. 6m	12-728
*Saw Cut Needed for Cut to Length		19-001

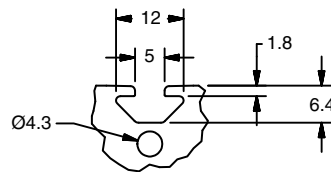
Quick Reference for Mating Components

Fasteners	End Caps	
Flat Plate Fastening Set 20-028	28x56	18-809
Universal Fastening Set 20-005		
Standard Fastener 20-003		

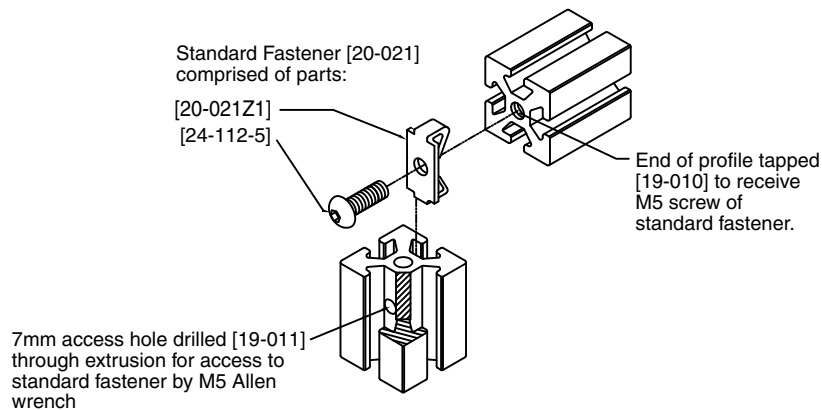
20 Series Profiles

Part #	Description	Moment of Inertia		Section Modulus		Section [cm ²]	Weight [kg/m]	Cat. Page
		I _x [cm ⁴]	I _y [cm ⁴]	W _x [cm ³]	W _y [cm ³]			
12-120	Profile 20x10	0.12	0.53	0.22	0.53	1.29	0.35	42
12-020	Profile 20x20	0.73	0.73	0.73	0.73	1.80	0.52	42
12-040	Profile 40x40 20 Series	8.74	8.74	4.37	4.37	4.83	1.32	43
12-124	Profile 20x40	1.33	5.03	1.33	2.52	3.16	0.86	42

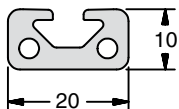
T-Slot Detail



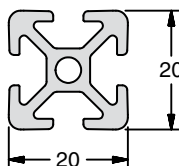
Service



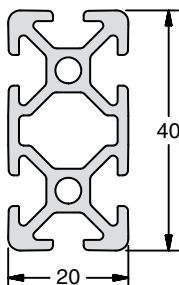
20x10, 20x20 & 40x20 Profiles



12-120



12-020



12-124

Application

20 Series profiles are designed for light duty enclosures and fixtures. They are also useful in building light accessories and components on workstations or assembly tables. The 5mm T-slot requires 20 Series hardware.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
12-120	0.12	0.53	0.22	0.53	1.29	0.35
12-020	0.73	0.73	0.73	0.73	1.80	0.52
12-124	1.33	5.03	1.33	2.52	3.16	0.86

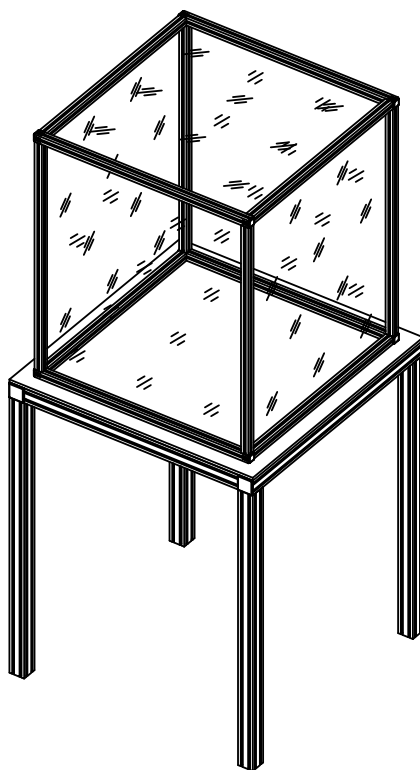
Ordering Information

Description	Unit	Part # (Clear)
Profile 20x10	Cut off max. 3m	12-120
Profile 20x20	Cut off max. 3m	12-020
Profile 20x40	Cut off max. 3m	12-124
*Saw Cut Needed for Cut to Length		19-001

Quick Reference for Mating Components

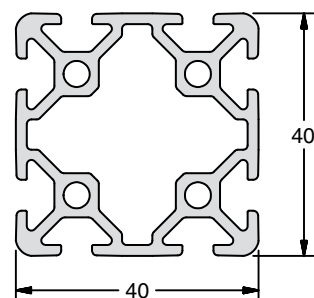
Fasteners		End Caps	
Standard Fastener	20-021	20x10	18-830
		20x20	18-802
		20x40	18-831

40x40 Profile



Application

20 Series profiles are designed for light duty enclosures and fixtures. They are also useful in building light accessories and components on workstations or assembly tables. The 5mm T-Slot requires 20 Series hardware.



12-040

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specifications)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
12-040	8.74	8.74	4.37	4.37	4.83	1.32

Ordering Information

Description	Unit	Part # (Clear)
Profile 40x40, 20 Series	Cut off max. 4m	12-040
*Saw Cut Needed for Cut to Length		19-001

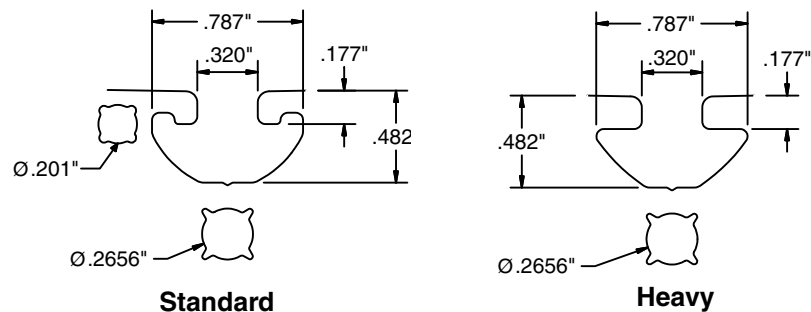
Quick Reference for Mating Components

Fasteners		End Caps	
Standard Fastener	20-021	40x40	18-832
T-Nuts			
Roll-In Single M4	20-044		
Roll-In Single M5	20-045		

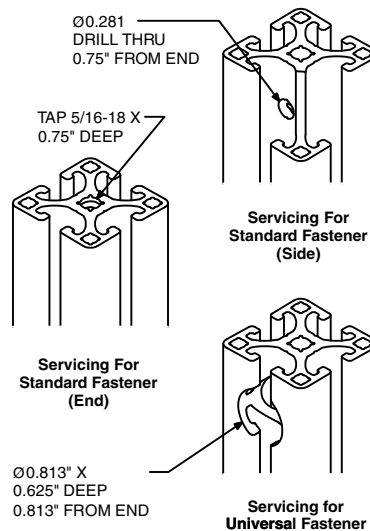
1.5" Series

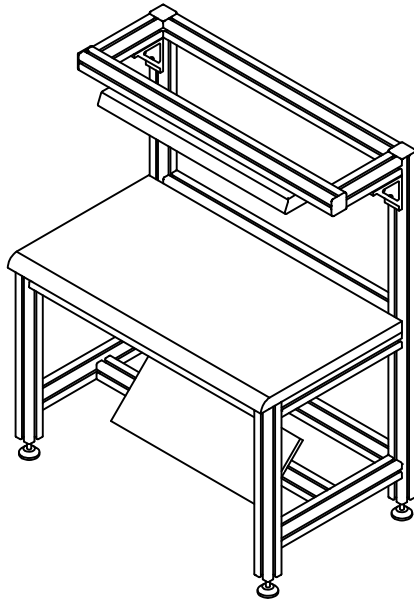
Part #	Description	Moment of Inertia		Section Modulus		Section [cm ²]	Weight [kg/m]	Page
		I _x [cm ⁴]	I _y [cm ⁴]	W _x [cm ³]	W _y [cm ³]			
10-1515	1.5" x 1.5" Standard Profile	8.49	8.49	4.46	4.46	6.19	1.70	45
10-1530	3" x 1.5" Standard Profile	15.15	61.85	7.95	16.23	10.38	2.81	48
10-1543	1.5" Quarter Round Profile	6.16	6.16	2.90	2.90	5.48	1.47	47
10-1560	6" x 1.5" Standard Profile	27.97	420.89	14.68	55.24	18.33	6.98	50
10-1591	1.5" x 1.5" Mono-Slot Profile	8.53	8.70	4.47	4.57	6.20	1.68	46
10-1592	1.5" x 1.5" Bi-Slot Corner Profile	8.62	8.62	4.51	4.51	3.24	1.68	46
10-1593	1.5" x 1.5" Tri--Slot Profile	8.66	8.49	4.53	4.46	6.22	1.69	46
10-1594	1.5" x 1.5" Bi-Slot Midframe Profile	8.78	8.45	4.61	4.44	6.21	1.68	46
10-3030	3" x 3" Standard Profile	113.38	113.38	29.76	29.76	17.42	4.72	49
11-1515	1.5" x 1.5" Heavy Profile	11.24	11.24	5.90	5.90	7.74	2.10	45
11-1530	3" x 1.5" Heavy Profile	21.10	78.79	11.08	20.68	14.00	3.72	48
11-3030	3" x 3" Heavy Profile	146.43	146.43	38.43	38.43	22.61	6.04	49
12-1515	1.5" x 1.5" Light Profile	7.08	7.08	3.72	3.72	4.82	1.31	45
12-1530	3" x 1.5" Light Profile	13.10	49.63	6.88	13.03	8.43	2.28	48

T-Slot Detail

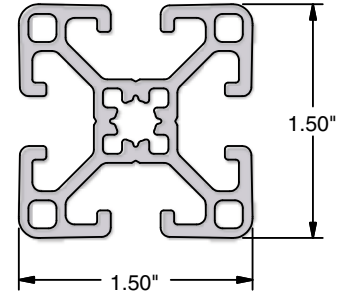


Service





1.5" x 1.5" Slotted Profiles



12-1515

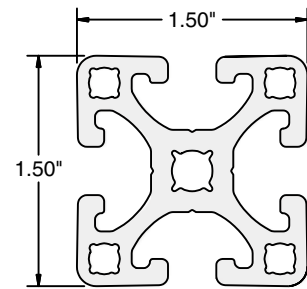
Application

10-1515 and 11-1515 are ideal general purpose extrusions for guards, enclosures, work stations, tool carts and smaller machine frames. T-slots on four sides allows for effortless mounting of accessories directly onto the structure without additional machining.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specification)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-1515	8.49	8.49	4.46	4.46	6.19	1.70
11-1515	11.24	11.24	5.90	5.90	7.74	2.10
12-1515	7.08	7.08	3.72	3.72	4.82	1.31

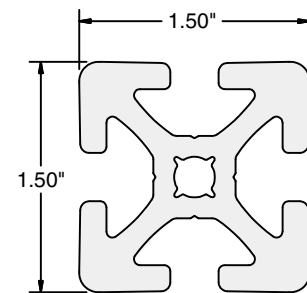


10-1515

Ordering Information

Description

Description	Unit	Part #
1.5" x 1.5" Light Profile	Cut off max 240 in	12-1515
1.5" x 1.5" Standard Profile	Cut off max. 240 in	10-1515
1.5" x 1.5" Heavy Profile	Cut off max. 240 in	11-1515
* Saw cut needed for Cut to Length		19-001



11-1515

Quick Reference for Mating Components

Fasteners

1.5" Standard Fastener	25-003
1.5" Single Fastener	25-014
1.5" Universal Fastener	25-004

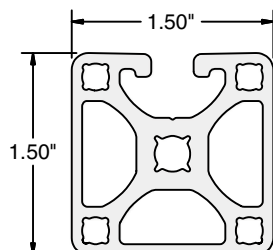
T-Nuts

1/4-20 Roll-In	25-001
5/16-18 Roll-In	25-002
5/16-18 Double Roll-In	25-041
1/4-20 Economy	20-083
5/16-18 Economy	20-082

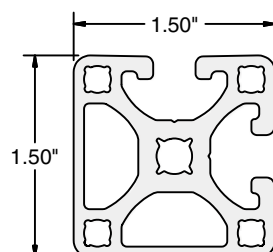
End Caps

1.5" x 1.5"	18-1515
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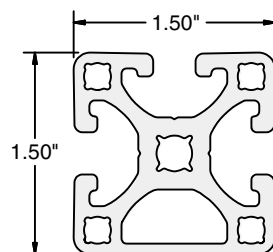
1.5" x 1.5" Closed Face Profiles



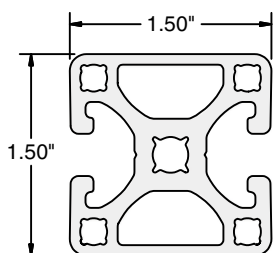
10-1591



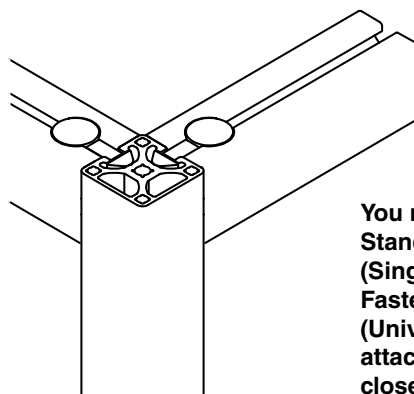
10-1592



10-1593



10-1594



You must use 25-022 (Flat Standard Fastener), 25-014 (Single Ended Standard Fastener) or 25-004 (Universal Fastener) when attaching to the end of the closed slot profiles (as shown).

Application

These profiles are designed with various closed faces. They are particularly useful when a smooth appearance is desired. The smooth surfaces are ideal for clean room, packaging, medical and pharmaceutical applications. The option of different T-slotted faces is ideal for fastening the profiles while retaining a smooth exterior to create the most aesthetic appearance.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specification)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-1591	8.53	8.70	4.47	4.57	6.20	1.68
10-1592	8.62	8.62	4.51	4.51	6.24	1.68
10-1593	8.66	8.49	4.53	4.46	6.22	1.69
10-1594	8.78	8.45	4.61	4.44	6.21	1.68

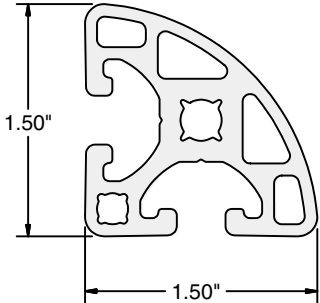
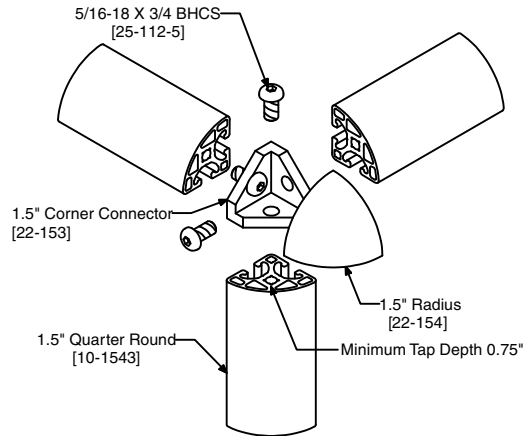
Ordering Information

Description	Unit	Part #
1.5" x 1.5" Mono Slot Profile	Cut off max. 240 in	10-1591
1.5" x 1.5" Bi-Slot Corner Profile	Cut off max. 240 in	10-1592
1.5" x 1.5" Tri-Slot Profile	Cut off max. 240 in	10-1593
1.5" x 1.5" Bi-Slot Midframe Profile	Cut off max. 240 in	10-1594
* Saw cut needed for Cut to Length		19-001

Quick Reference for Mating Components

Fasteners		Structural Accessories	
1.5" Flat Standard Fastener	25-022	Panels	pg 112
1.5" Single Fastener	25-014	Hinges	pg 138
1.5" Universal Fastener	25-004	Catches	pg 150
End Caps		Gussets	pg 104
1.5" x 1.5"	18-1515		

1.5" x 1.5" Quarter Round Profile



10-1543

Application

This profile is designed with curved surfaces while retaining T-slotted surfaces for connecting. This is particularly useful for rounding or smoothing off corners of structures where ergonomics apply. The smooth surfaces are ideal for clean room, medical and pharmaceutical applications.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish Specification)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-1543	6.16	6.16	2.90	2.90	5.48	1.47

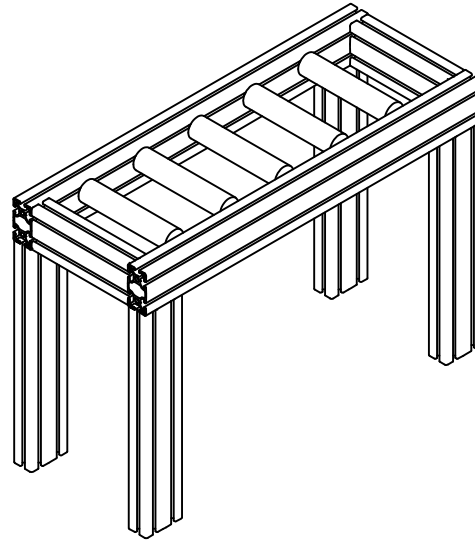
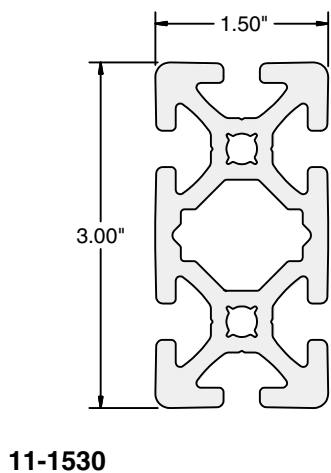
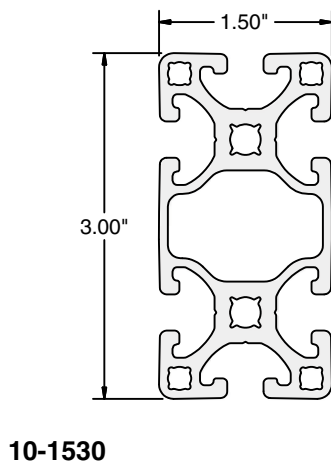
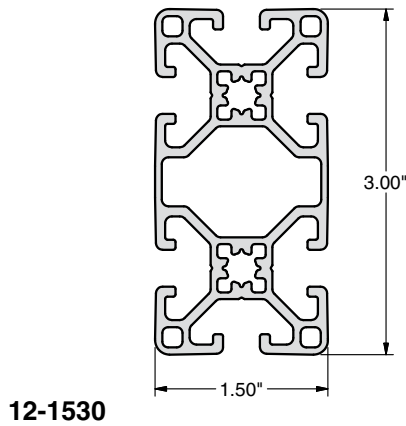
Ordering Information

Description	Unit	Part #
1.5" Quarter Round Profile	Cut off max. 240 in	10-1543
* Saw Cut Needed for Cut to length		19-001

Quick Reference for Mating Components

Fasteners	End Caps
1.5" Standard Fastener 25-003	1.5" Quarter (for 10-1543) 18-1543
1.5" Single End Standard 25-014	1.5" Radius
1.5" Universal Fastener 25-004	(for Corner Connector) 22-154
Corner Connector	
1.5" Corner Connector 22-153	

3" x 1.5" Profiles



Application

Profiles 10-1530 and 11-1530 are ideal general purpose extrusions for guards, enclosures, work stations, tool carts and machine frames. They are designed with a high inertial strength in the 'y' axis. This allows higher structural integrity to create more stable and rigid structures. T-slots on four sides allow for effortless mounting of accessories directly onto the structure without additional machining.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish Specification)

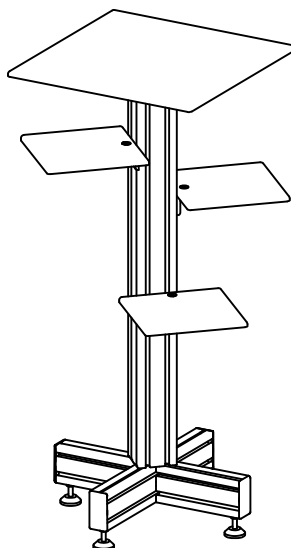
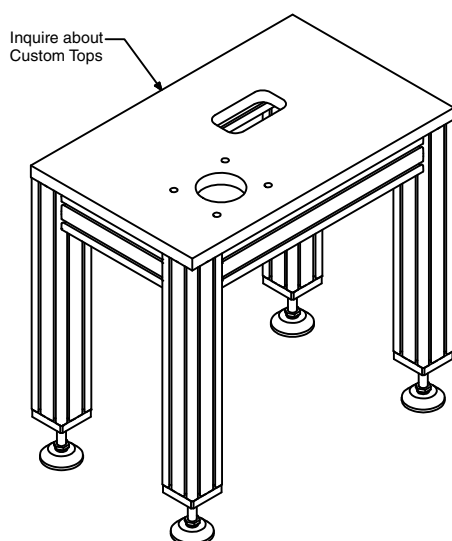
Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-1530	15.15	61.85	7.95	16.23	10.38	2.81
11-1530	21.10	78.79	11.08	20.68	14.00	3.72
12-1530	13.10	49.63	6.88	13.03	8.43	2.28

Ordering Information

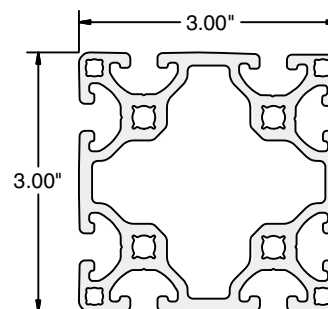
Description	Unit	Part #
3" x 1.5" Light Profile	Cut off max 240 in	12-1530
3" x 1.5" Standard Profile	Cut off max. 240 in	10-1530
3" x 1.5" Heavy Profile	Cut off max. 240 in	11-1530
* Saw Cut Needed for Cut to length		19-001

Quick Reference for Mating Components

Fasteners		T-Nuts	
1.5" Standard Fastener	25-003	1/4-20 Roll-In	25-001
1.5" Universal Fastener	25-004	5/16-18 Roll-In	25-002
End Caps	3" x 1.5"	5/16-18 Double Roll-In	25-041
		1/4-20 Economy	20-083
		5/16-18 Economy	20-082



3" x 3" Profiles



10-3030

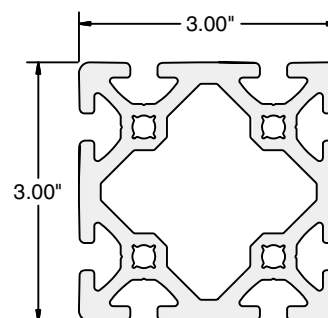
Application

These profiles are designed for medium to heavy duty structures and are ideal for structural support and post applications. These profiles have high structural integrity to create extra stable and rigid structures. T-slots on four sides allow for effortless mounting of accessories directly onto the structure without additional machining.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specification)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-3030	113.38	113.38	29.76	29.76	17.42	4.72
11-3030	146.43	146.43	38.43	38.43	22.61	6.04



11-3030

Ordering Information

Description	Unit	Part #
3" x 3" Standard Profile	Cut off max. 240 in	10-3030
3" x 3" Heavy Profile	Cut off max. 240 in	11-3030
* Saw Cut Needed for Cut to length		19-002

Quick Reference for Mating Components

Fasteners

1.5" Standard Fastener	25-003
1.5" Universal Fastener	25-004

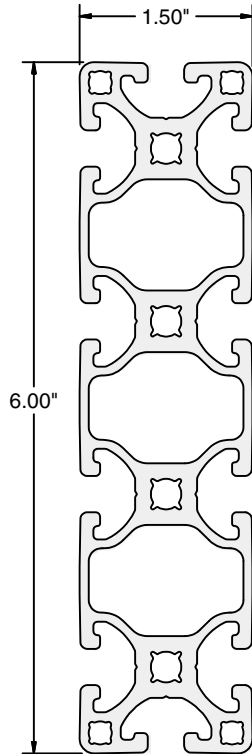
End Caps

3" x 3"	18-3030
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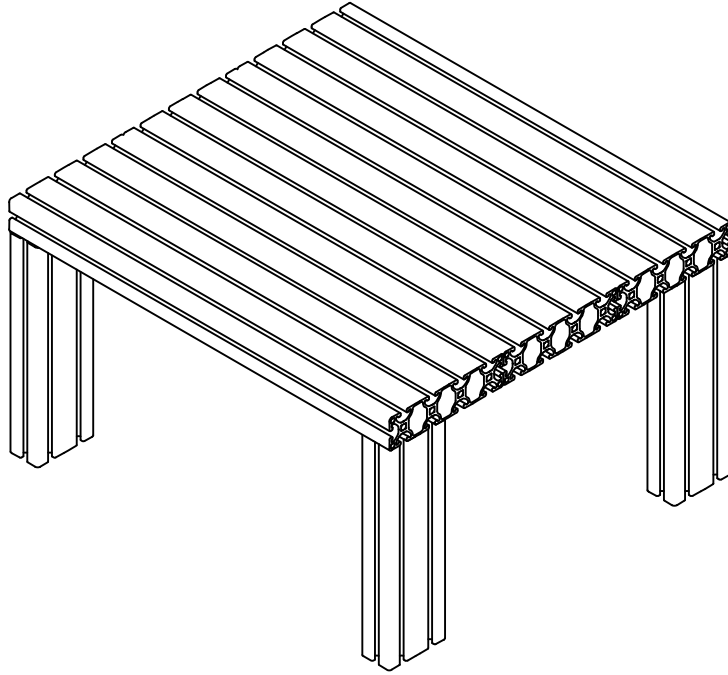
Structural Accessories

Levelers	pg 156
Casters	pg 167
Plates	pg 102
Gussets	pg 104

6" x 1.5" Profiles



10-1560



Application

10-1560 is designed for heavy duty structures and is an ideal profile for structural support and post applications. 10-1560 is designed with a high inertial strength in the 'y' axis. This allows for very high structural integrity to create extra stable and rigid structures. T-slots on four sides allow for effortless mounting of accessories directly onto the structure without additional machining. Because of its multiple T-slots, it is also an ideal profile for a fixture table.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish specification.)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
10-1560	27.97	420.89	14.68	55.24	18.33	6.98

Ordering Information

Description	Unit	Part #
6" x 1.5" Profile	Cut off max. 240 in	10-1560
* Saw Cut Needed for Cut to length		19-003

Quick Reference for Mating Components

Fasteners

1.5" Standard Fastener	25-003
1.5" Universal Fastener	25-004

End Caps

3" x 1.5"	18-1530
(Use 2 per end)	

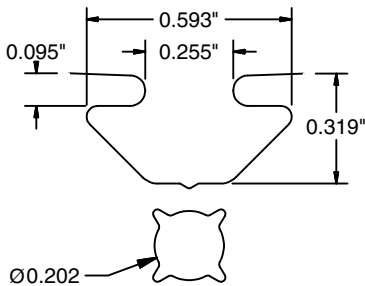
T-Nuts

1/4-20 Roll-In	25-001
5/16-18 Roll-in	25-002
5/16-18 Double Roll-In	25-041
1/4-20 Economy	20-083
5/16-18 Economy	20-082

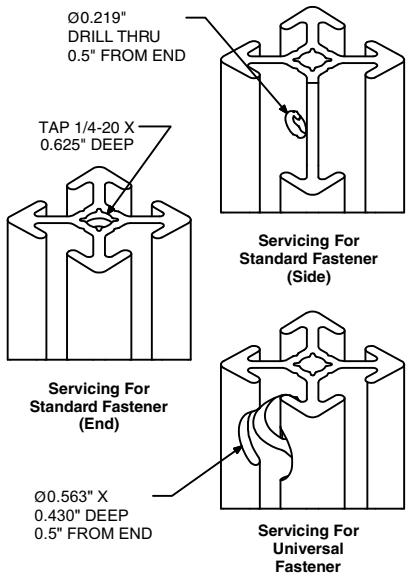
1" Series

Part #	Description	Moment of Inertia		Section Modulus		Section [cm ²]	Weight [kg/m]	Page
		I _x [cm ⁴]	I _y [cm ⁴]	W _x [cm ³]	W _y [cm ³]			
12-1010	Profile 1" x 1"	1.91	1.91	1.51	1.51	2.84	0.77	52
12-1020	Profile 2" x 1"	3.62	13.03	2.85	5.13	5.16	1.41	52
12-2020	Profile 2" x 2"	23.68	23.68	9.32	9.32	8.13	2.21	52

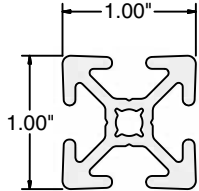
T-Slot Detail



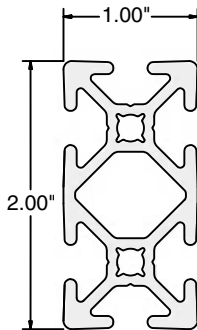
Service



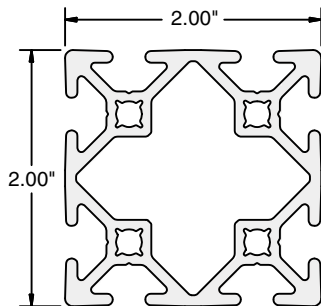
1" x 1", 2" x 1" and 2" x 2" Profiles



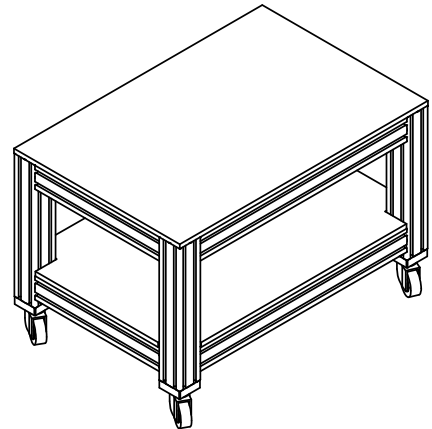
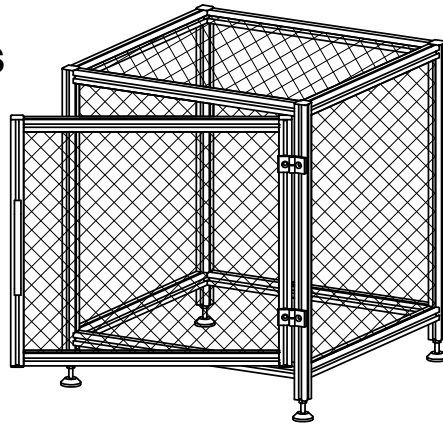
12-1010



12-1020



12-2020



Application

1" Series profiles are designed for safety guards, enclosures, shelves, and other light to medium duty applications. T-Slots on four sides allows for effortless mounting of accessories directly onto the structure without additional machining.

The T-slot is smaller than the 1.5" Series, requiring different hardware. With profile 12-1020, higher rigidity can be attained by orienting the extrusion on its 'y' axis.

The 12-2020 profiles are ideal for support and post applications. With their higher rigidity, structures can be built with higher stability.

Technical Data

Aluminum, Clear Anodized (See Technical Data page 9 for full material and finish Specification)

Part #	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Section [cm ²]	Weight [kg/m]
12-1010	1.91	1.91	1.51	1.51	2.84	0.77
12-1020	3.62	13.03	2.85	5.13	3.16	1.41
12-2020	23.68	23.68	9.32	9.32	8.13	2.21

Ordering Information

Description	Unit	Part #
1" x 1" Profile	Cut off max. 240 in	12-1010
2" x 1" Profile	Cut off max. 240 in	12-1020
2" x 2" Profile	Cut off max. 240 in	12-2020
* Saw Cut Needed for Cut to length		19-001

Quick Reference for Mating Components

Fasteners

1" Standard Fastener	25-022
1" Universal Fastener	25-023

End Caps

1" x 1" (for 12-1010)	18-1010
2" x 1" (for 12-1020)	18-1020
2" x 2" (for 12-2020)	18-2020

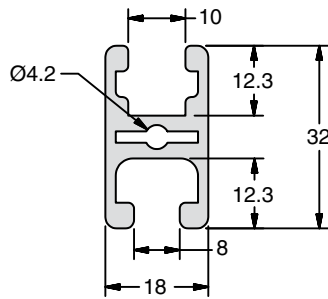
Structural Accessories

Levelers	pg 156
Casters	pg 167
Plates	pg 102
Gussets	pg 104

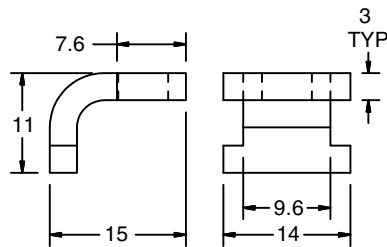
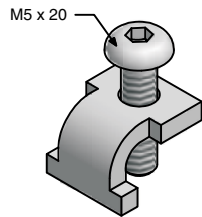
Specialty Profiles

Profile Type	Compatibility				Part #	Description	Page
Bi-Slot					12-032	Profile 18x32 Bi-Slot	54
Rolling Door Guides					12-022	Profile Rolling Door Guide	55
					12-421	Guide Profile UHMW	55
Sliding Door Guides			40	1.5"	12-012	Profile Sliding Door Guide 40 Upper	56
			40	1.5"	12-013	Profile Sliding Door Guide 40 Lower	56
	28	30			12-014	Profile Sliding Door Guide 30/28 Upper	56
	28	30			12-015	Profile Sliding Door Guide 30/28 Lower	56
Stiffener/Handle Profile					12-011	Profile Stiffener / Handle	57
Mesh Clamp	28	30	40	1.5"	12-010	Profile Mesh Clamp	58
Panel Holder	28	30	40	1.5"	12-016 B	Profile Panel Holder - Black	57
Clamp Bar			40	1.5"	12-105	Profile Clamp	58
Rack Angle	28	30	40	1.5"	12-109	Profile Rack Angle with Holes	59
	28	30	40	1.5"	12-110	Profile Rack Angle no Holes	59
				1.5"	20-075	Rack Angle Clip Nut M5	59
				1.5"	20-076	Rack Angle Clip Nut M6	59
				1.5"	25-075	Rack Angle Clip Nut #10-32	59
				1.5"	25-076	Rack Angle Clip Nut 1/4-20	59
UHMW Slide Bar			40	1.5"	12-400	Slide Bar UHMW	60
			40	1.5"	12-420	Slide Bar UHMW 40x10	60
	28	30			12-430	Slide Bar UHMW 28/30x8	60
	28	30	40	1.5"	12-410	Slide Strip UHMW	60
Panel Gasket					12-106	Panel Gasket 8	61
					12-108	Panel Gasket 10	61
Mesh Gasket					12-107	Mesh Gasket 8	61
Cover/Gasket Strips			40	1.5"	12-101	Cover/Gasket Strip 40	62
	28				12-103B	Cover/Gasket Strip 28	62
					12-115	Cover/Gasket Strip 20	62
			40		12-117	Push-In Panel Seal	62
Cover Strips			40	1.5"	12-102	Aluminum Cover Strip	62
			40	1.5"	12-111	PVC Cover Strip	62
	28	30			12-116	PVC Cover Strip	62
Safety Cover			40	1.5"	12-113	Safety Cover	62

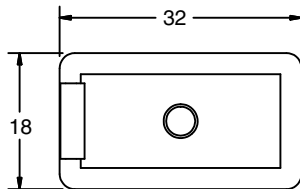
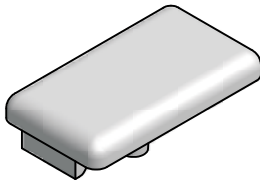
32x18 Bi-Slot Profile



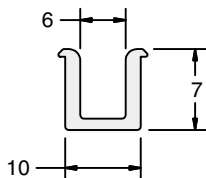
12-032



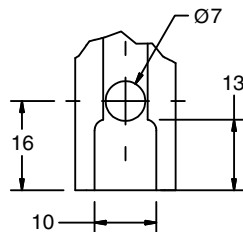
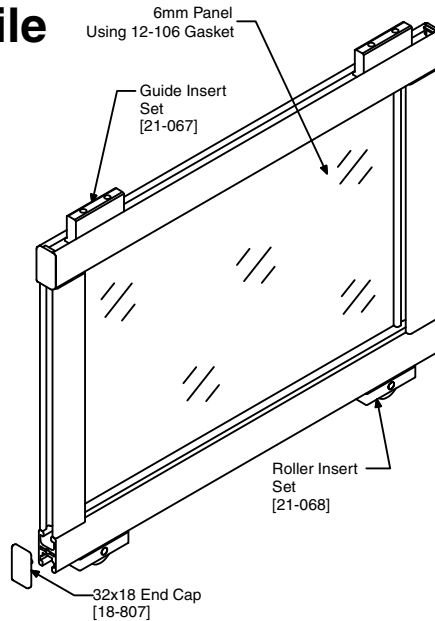
20-132



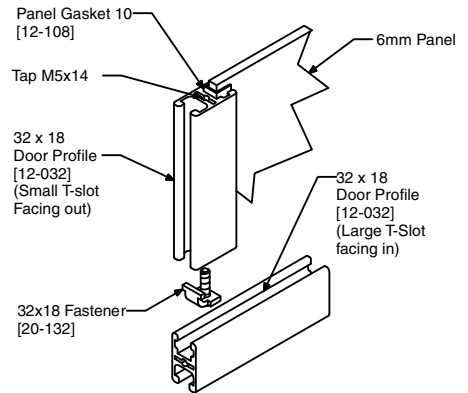
18-807



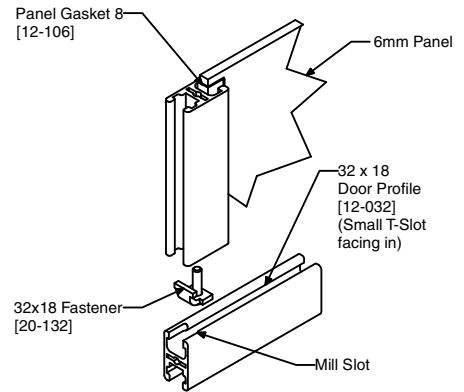
12-108



Mill Detail



Frame for holding panels with small T-slot facing out. (No milling required)



Frame for holding panels with large T-slot facing out. (You must mill slot for fastener)

Application

Suitable for guarding, sliding doors, and enclosures. Panels up to 9mm thick may be clamped using spring clamp (22-032).

T-Slots will accept 6mm panels with Panel Gasket 8 or 10 (12-106 and 12-108).

Ordering Information

Description	Unit	Part #
Profile 18x32 Bi-Slot	Cut off max. 6m	12-032

*Saw Cut Needed for Cut to Length

19-001

Technical Data

Aluminum, Clear Anodized
Weight 0.67 kg/m

Fastening Set: Steel, galvanized
Weight: 9.0 g

Clamp Spring: Steel
Weight: 4g

Quick Reference for Mating Components

Fasteners

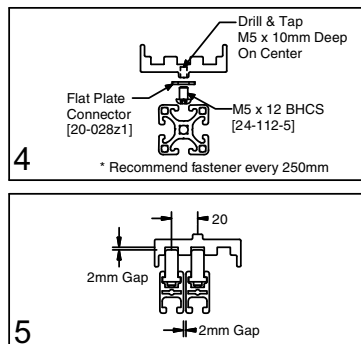
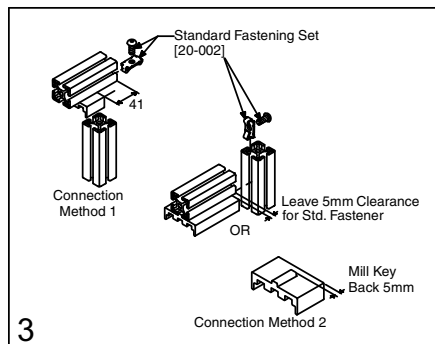
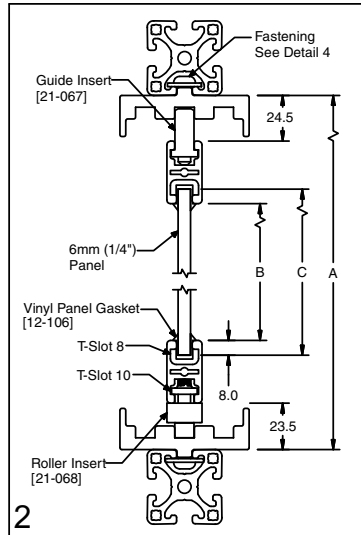
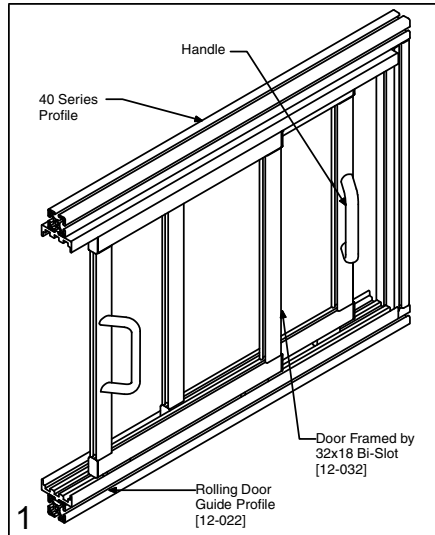
32x18 Bi-Slot Fastener	20-132
Clamp Spring	22-032

End Caps

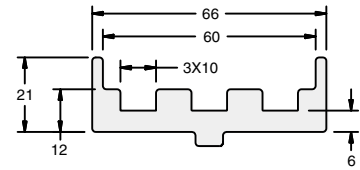
32x18	18-807
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Structural Accessories

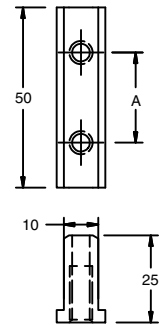
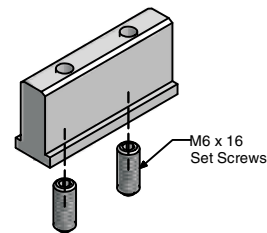
Panel Gasket 8	12-106
Panel Gasket 10	12-108
Roller Insert Set	21-068
Guide Insert Set	21-067



Rolling Door Guide Profile



12-022



21-067
21-073

Application

Designed for large doors with removable door panels for maintenance. Applications include case packers, material handling equipment, packaging installations and access panels for large machine enclosures.

Ordering Information

Description

Profile Rolling Door Guide
Guide Profile UHMW

*Saw Cut Needed for Cut to Length

Roller Insert Set

40 Series (A=40mm) **21-068**

1.5" Series (A=1.5") **21-075**

Roller Set includes
(1) Housing, (1) roller,
(2) SCHS screws
and (2) Offset T-Slot nuts
with compression spring

Technical Data

Profile

Aluminum, Clear Anodized
Weight: 1.78 kg/m

Guide Insert

UHMW (white)

Roller Insert

Roller: Delrin (black), Pin: Steel
Housing: Aluminum, Clear Anodized

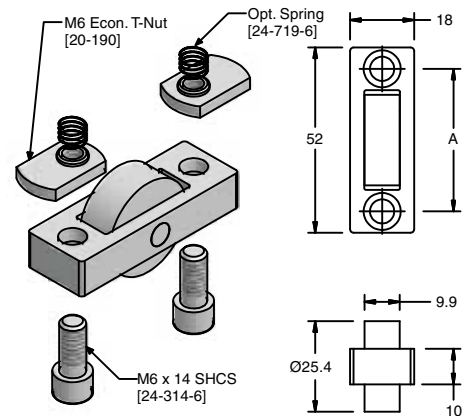
Unit	Part #
3m each	12-022
Cut off max. 3.1m	12-421
	19-001

Guide Insert Set

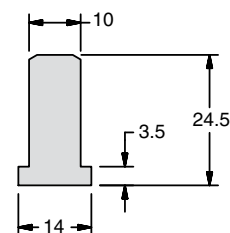
40 Series (A=25mm) **21-067**

1.5" Series (A=1") **21-073**

Guide Set including
(1) 50mm guide insert,
(2) setscrews

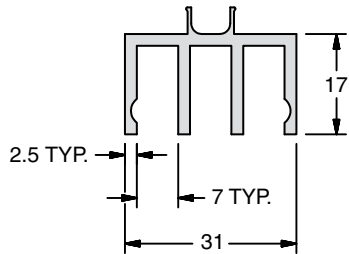


21-068
21-075

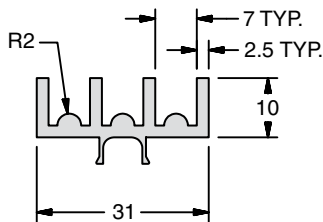


12-421

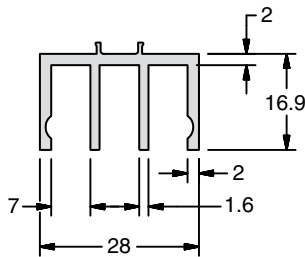
Sliding Door Guide Profile



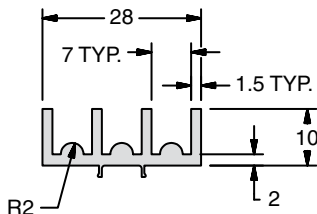
12-012



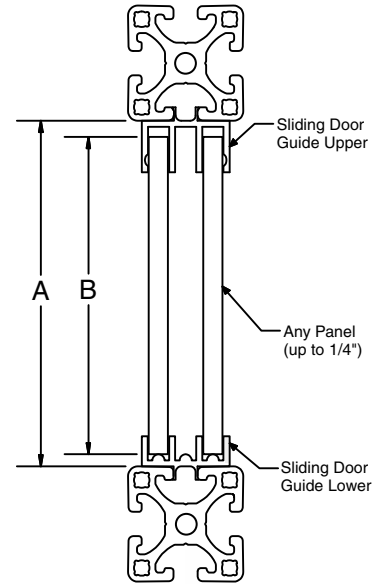
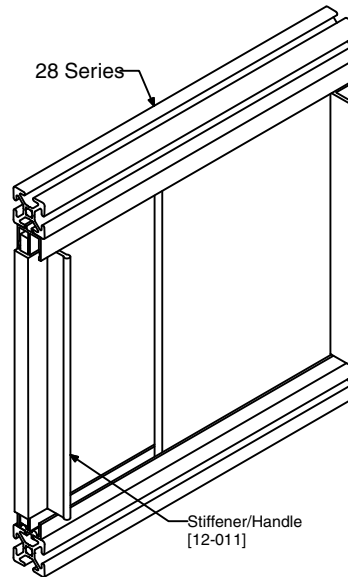
12-013



12-014



12-015



B = A - 15mm for removable doors
B = A - 10mm for non-removable doors

*Designed for panels up to 1/4" (6.4mm)

Application

These profiles create light duty sliding panels for windows and access ports for safety guards, enclosures or partitions. Installation onto 40, 30, 28 or 1.5" Series profiles do not require fasteners and will snap into the T-Slot. The lower guides are designed to reduce friction. The upper guides facilitate lift-out removal of the panel without disassembly. Tamper proof mounting may also be provided.

Ordering Information

Description

40/1.5" Series

Profile Sliding Door Guide 40/1.5" Upper
Profile Sliding Door Guide 40/1.5" Lower

28/30 Series

Profile Sliding Door Guide 30/28 Upper
Profile Sliding Door Guide 30/28 Lower

*Saw Cut Needed for Cut to Length

Technical Data

Aluminum, Clear Anodized

Three panel tracks

Panel width up to 6.4mm

Weight: 12-012, 12-014 0.45kg/m
12-013, 12-015 0.50kg/m

Quick Reference for Mating Components

Structural Accessories

Panels

Page 112

Application

Designed as a combination handle and stiffener for sliding panel doors (1/4" thick material). Panels snap into the profile slot and may be secured by an adhesive or a fastener.

Technical Data

Aluminum, Clear Anodized

Weight: 0.93kg/m

Ordering Information

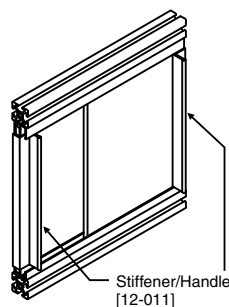
Description

Panel Handle Stiffener

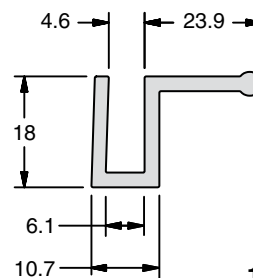
*Saw Cut Needed for Cut to Length

Unit
3m each

Part #
12-011
19-001



Stiffener/Handle Profile



12-011

Application

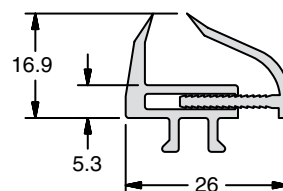
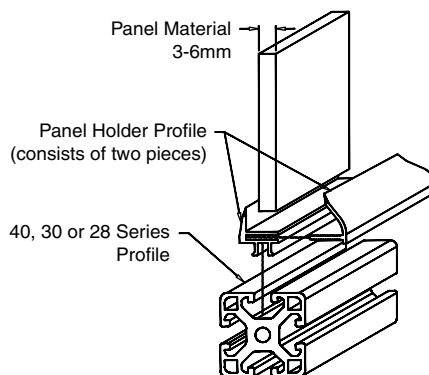
Profile designed for panels 3-6mm thick. Built-in seal for splash guard applications. Can be used for 40, 30, 28 and 1.5" Series profiles.

Technical Data

Base: Rigid PVC Lip

Seal: Vinyl

Weight: 0.16kg/m



12-016

Panel Holder

Ordering Information

Description

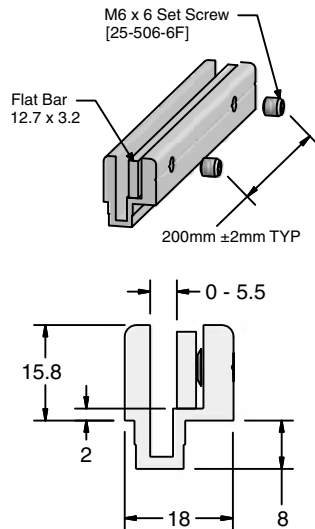
Panel Holder Profile

*Saw Cut Needed for Cut to Length

Unit
Cut off max. 2m

Part # (Black)
12-016B
19-001

Mesh Clamp Profile



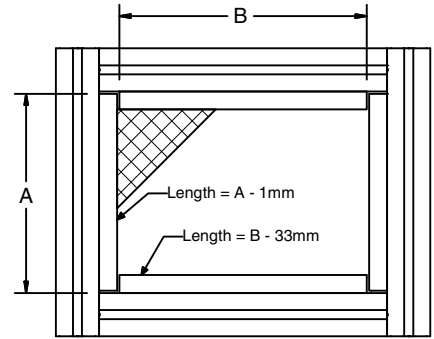
Application

Captures wire mesh panels up to 5.5mm thick. Excellent for constructing safety guards. Installs onto 40, 30, 28 and 1.5" series profiles without additional fasteners.

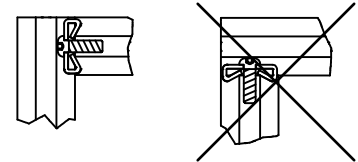
Technical Data

Aluminum, Clear Anodized
Weight: 0.53 kg/m

Tapped for M6 every 200mm (±2mm)
Includes clamp strip and M6X6 flat point screws



* Wire Mesh Size: A - 6mm and B - 6mm



Standard fastener position is critical to avoid interference with the mesh clamp.

12-010

Ordering Information

Description

Mesh Clamp Profile

*Saw Cut Needed for Cut to Length

Unit

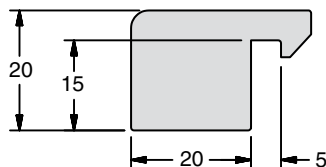
3m each

Part

12-010

19-001

Clamp Bar



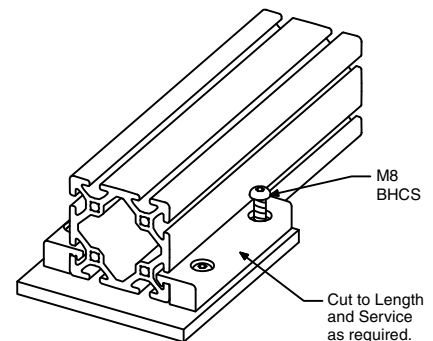
12-105

Application

Attaches 40 Series profiles to base plates or other parts. Must be used in pairs. Not recommended for linear applications.

Technical Data

Aluminum, Clear Anodized
Weight: 1.24 kg/m



Ordering Information

Description

Clamp Bar Profile

*Saw Cut Needed for Cut to Length

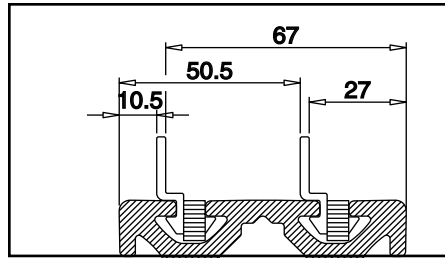
Unit

2m each

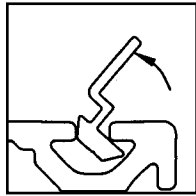
Part

12-105

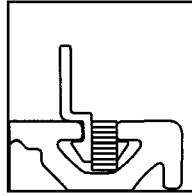
19-001



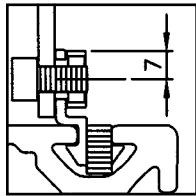
1



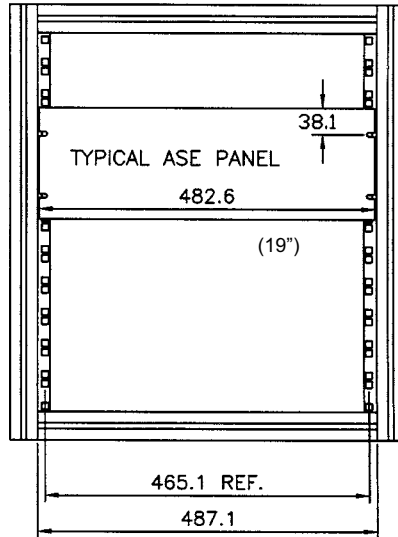
2



3



4



- 1 Mounting dimensions
- 2 Inserting rack angle into 40 series T-slot
- 3 Rack Angle is secured in T-slot with set screw M6x12. Requires 2 cuts to ensure matching pair
- 4 Panel is attached to Rack Angle with M5 or M6 screw and clip nut

Application

Used for attaching standard 19" rack components to 40, 30, 28 and 1.5" Series Profiles (30 and 28 series require installation from end of profile).

12-109 is machined with square holes for installation of a Clip Nut. Clip Nut snaps into square holes for attaching panels and accessories.

12-110 is blank and can be used to support horizontal panels such as ceiling tiles.

Technical Data

Extrusion

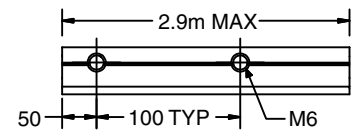
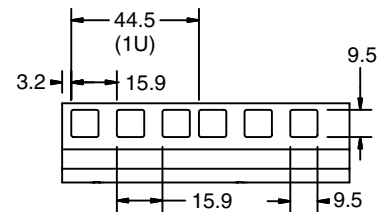
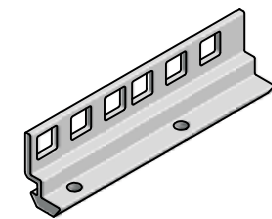
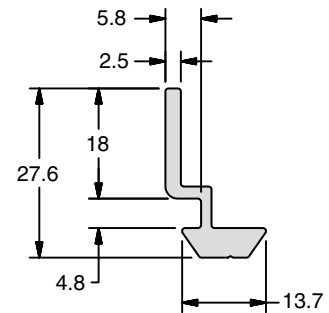
Aluminum, Clear Anodized
Weight: 12-109 0.62kg/m
12-110 0.63kg/m

Includes M6X12 flat point set screws

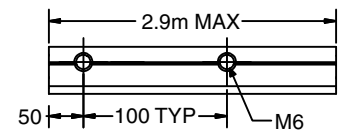
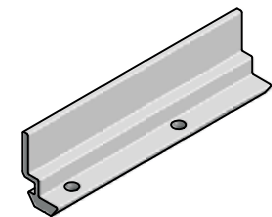
Clip Nut (Order separately)

Steel, Zinc Plated
Weight 5g

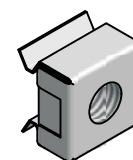
Rack Angle Profile



12-109



12-110



20-075
20-076
25-075
25-076

Ordering Information

Description

Profile Rack Angle with Holes

Profile Rack Angle no Holes

*Saw Cut Needed for Cut to Length

Rack Angle Clip Nut M5

Rack Angle Clip Nut M6

Rack Angle Clip Nut #10-32

Rack Angle Clip Nut 1/4-20

Unit

3m each

3m each

1 pc

1 pc

1 pc

1 pc

Part

12-109

12-110

19-001

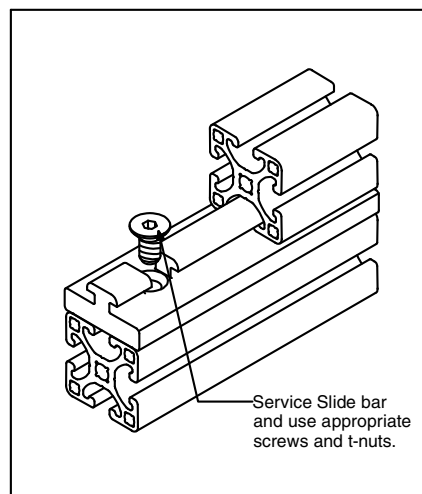
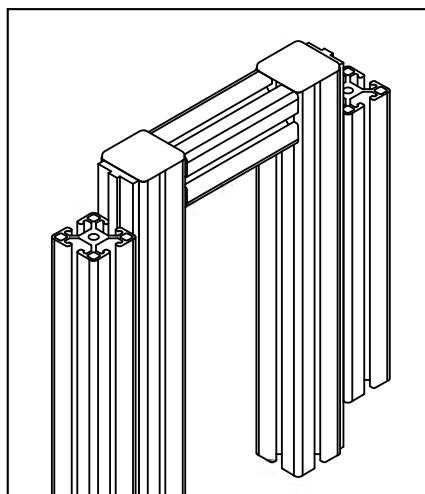
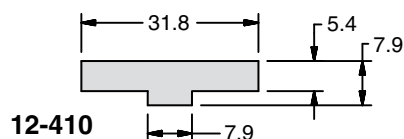
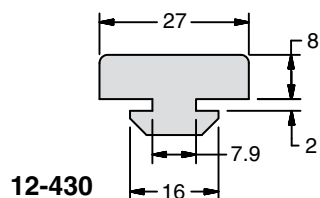
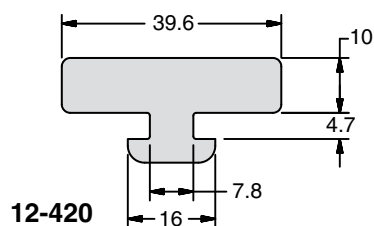
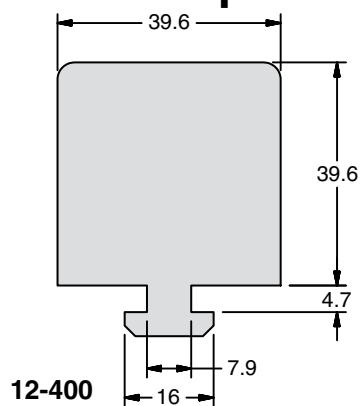
20-075

20-076

25-075

25-076

UHMW Slide Bar & Slide Strip



Application

Durable, low-friction material that is self lubricating and easily machined. These profiles provide a smooth gliding surface for a wide range of applications including linear systems to adjustable work surfaces or sliding panels.

Technical Data

Extrusion

UHMW, White

40/1.5" Series Applications use:
12-400, 12-420, and 12-410

28/30 Series Applications use:
12-430 or 12-410

Ordering Information

Description

Slide Bar UHMW

Slide Bar UHMW 40x10

Slide Bar UHMW 28/30x8

Slide Strip UHMW

*Saw Cut Needed for Cut to Length

Unit

Cut off max. 3m

Cut off max. 3m

Cut off max. 3m

Cut off max. 3m

Part

12-400

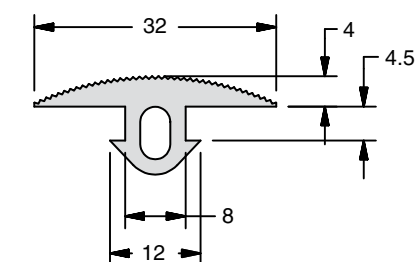
12-420

12-430

12-410

19-001

Anti-Skid Cover



Application

Cover for 40 and 1.5" Series profiles is used for non-slip surfaces such as ladders and stops for sliding doors. Oil and water resistant.

Technical Data

Rubber, Black

Hardness 80 Shore

Ordering Information

Description

Anti-Skid Cover

Unit

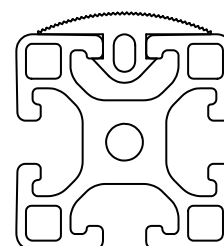
Cut off max. 20m

Weight

180 g/m

Part

12-114



Application

Mesh gasket for mounting 12 gage wire mesh in 40, 30, 28 and 1.5" Series T-Slots.

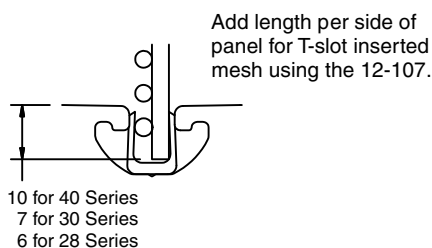
Technical Data

Molded vinyl (Clear)

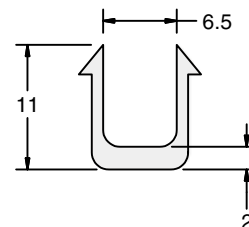
Weight: 90g/m

Ordering Information

Description	Unit	Part #
Mesh Gasket 8	Cut off max. 30.5m	12-107
Full Roll	30.5m (ea)	12-107R



Mesh Gasket 8



12-107

Application

Panel gasket for installing 6mm panels in 40, 30, 28 and 1.5" Series profile T-slot.

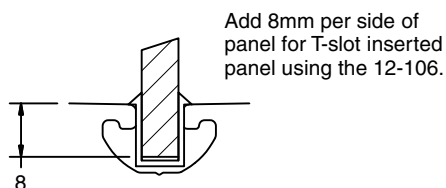
Technical Data

Molded vinyl (Grey)

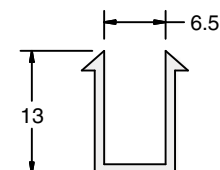
Weight: 40g/m

Ordering Information

Description	Unit	Part #
Panel Gasket 8	Cut off max. 30.5m	12-106
Full Roll	30.5m (ea)	12-106R



Panel Gasket 8



12-106

Application

Panel gasket for installing 6/8mm panels in T-slots of 32x18 Door Profile.

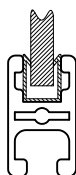
Technical Data

PP & TPE, Black

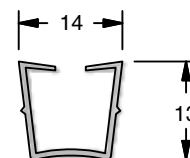
Weight: 90g/m

Ordering Information

Description	Unit	Part #
Panel Gasket 10	2m each	12-108

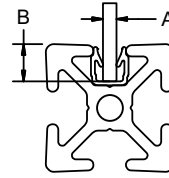
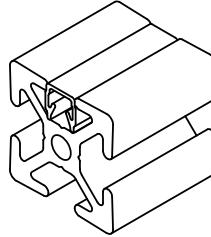
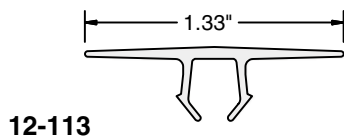
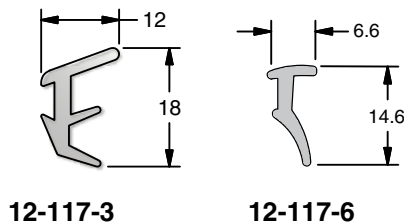
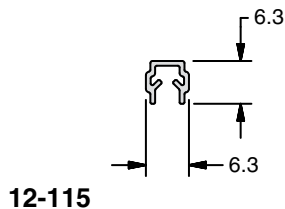
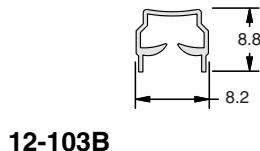
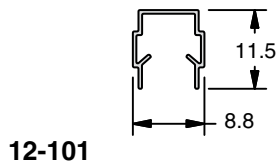


Panel Gasket 10

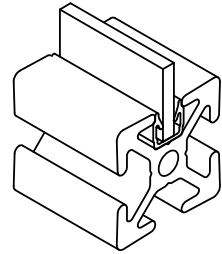
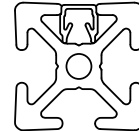


12-108

Cover/Gasket Strips



Series	A (mm)	B (mm)
40/30/1.5"	6	10
28	4-6	7
20	2	6



- T-slot covering can be cut easily with tin snips.
- Wires and cables can be concealed in T-slot with use of T-slot cover.

Application

Primarily used to cover the T-Slot to prevent dust and debris from building up, or to conceal wiring routed in the T-Slot. These covers can also be inverted and used as a panel gasket. These items are easily cut with tin snips.

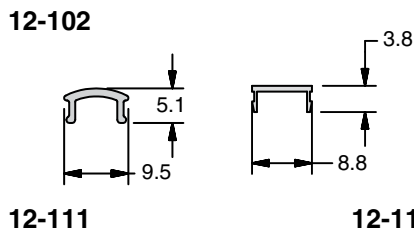
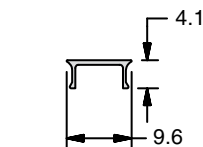
Technical Data

12-101, 12-103, 12-115: Polypropylene,
See ordering for colors
12-113: Rigid PVC, Yellow
12-117-3/6: TPE, Black
Weight: 12-101 52 g/m
12-103 44 g/m
12-113 100 g/m
12-115 27 g/m
12-117-3 70 g/m
12-117-6 31 g/m

Ordering Information

Description	Unit	Part # (Clear)	Part # (Black)	Part # (Yellow)	Part # (Gray)
Cover/Gasket Strip 40/1.5" Series	Each at 2m	12-101	12-101B	12-101Y	12-101G
Cover/Gasket Strip 28 Series	Each at 2m		12-103B		
Cover/Gasket Strip 20 Series	Each at 2m	12-115	12-115B		
Safety Cover Strip 40/1.5" Series	Each at 2m			12-113	
Push-in Panel Seal (3mm)	Each at 100m		12-117-3		
Push-in Panel Seal (6mm)	Each at 100m		12-117-6		

Cover Strips



Application

Used to cover the T-Slot to prevent dust and debris from building up, or to conceal wiring routed in the T-Slot.

Technical Data

Aluminum, Anodized
Colors: Clear
PVC
Colors: Clear, Black, Yellow, or Blue

Ordering Information

Description	Unit	Part # (Clear)	Part # (Black)	Part # (Yellow)	Part # (Blue)
Aluminum Cover Strip 40/1.5" Series	Each at 2m	12-102			
PVC Cover Strip 40/1.5" Series	Each at 2m	12-111	12-111B	12-111Y	12-111BL
PVC Cover Strip 30/28 Series	Each at 2m	12-116	12-116B		

Application

Caps are used to cover the exposed ends of profiles after assembly. The caps provide both protection from potentially sharp edges, and also an aesthetically pleasing appearance.

Technical Data

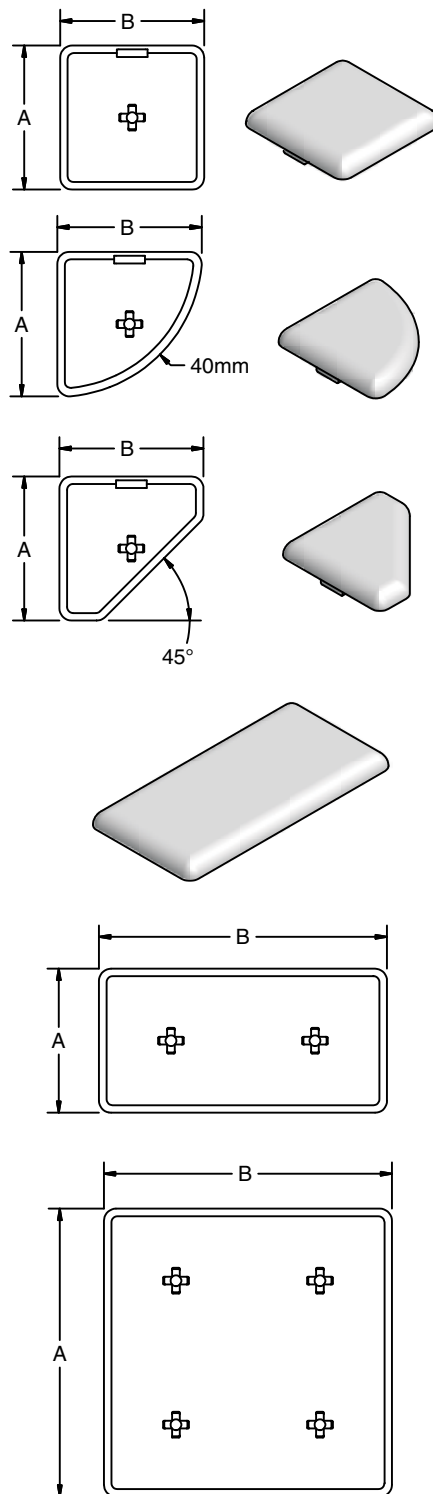
Glass-Filled Nylon (Black)



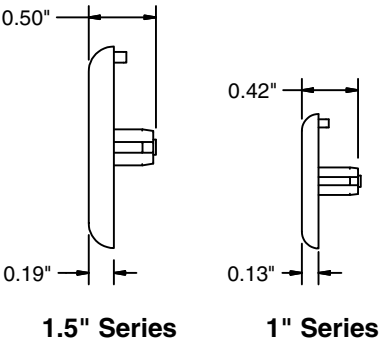
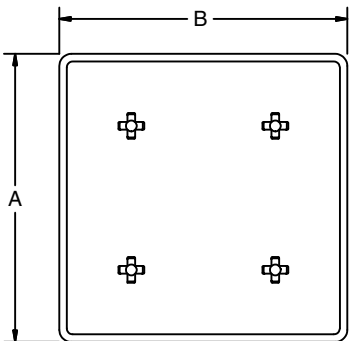
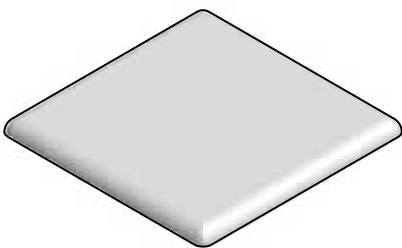
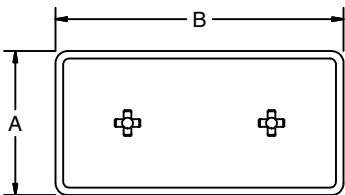
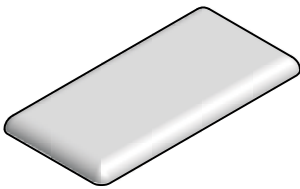
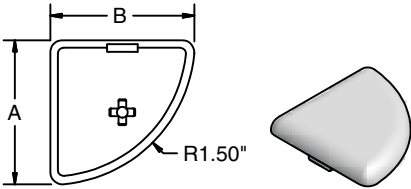
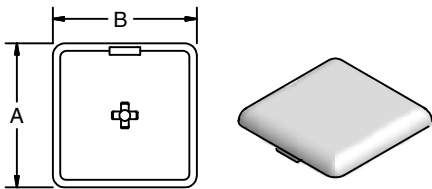
Ordering Information

Series	Description (B x A)	Unit	Wt (g)	Part #
40 Series	40x16	Each	4	18-811
	40x40	Each	7	18-813
	40x40 Heavy Square	Each	10	18-805
	40x40 Quarter Round	Each	5	18-843
	80x16	Each	6	18-812
	80x40	Each	15	18-814
	80x80	Each	28	18-815
	120x40	Each	22	18-840
	120x80	Each	43	18-841
	160x16	Each	10	18-806
	160x28	Each	20	18-816
	160x40	Each	28	18-817
	160x80	Each	66	18-818
	40x40-45°	Each	6	18-820
	40-45°	Each	4	18-845
	R40/80-30	Each	17	18-883
	R40/80-45	Each	19	18-885
	R40/80-60	Each	22	18-886
30 Series	30 x 30 Quarter Round	Each	4	18-838
	30x30	Each	5	18-803
	60x30	Each	11	18-863
28 Series	28x28	Each	4	18-808
	28x56	Each	8	18-809
	28x28-45°	Each	3	18-844
20 Series	20x10	Each	0.5	18-830
	20x20	Each	1	18-802
	20x40	Each	2	18-831
	40x40, 20 Series	Each	4	18-832
Specialty Profiles	56x56 (Post Profile)	Each	16	18-819
	32x18 Door Profile	Each	3	18-807
Access Hole Plugs	7mm Plastic	Each	0.1	18-710
	7mm Nickel	Each	0.5	18-713

Metric End Caps Access Hole Plugs



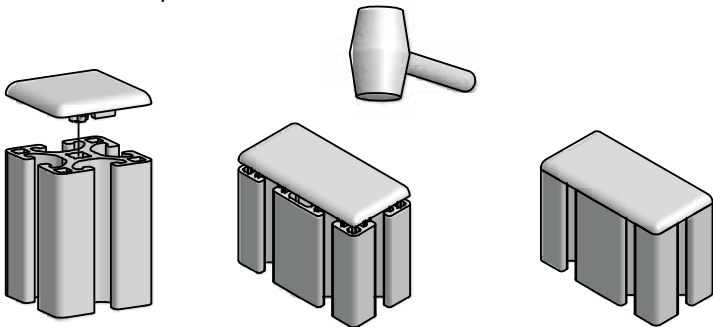
Inch End Caps
Access Hole Plug



Ordering Information

Series	Size (B x A)	Unit	Weight	Part #
1.5" Series	1.5" x 1.5"	Each	0.25 oz	18-1515
	1.5" x 1.5" Quarter Round	Each	0.21 oz	18-1543
	3" x 1.5"	Each	0.5 oz	18-1530
	3" x 3"	Each	1 oz	18-3030
1" Series	1" x 1"	Each	0.12 oz	18-1010
	2" x 1"	Each	0.25 oz	18-1020
	2" x 2"	Each	0.49 oz	18-2020
Access Hole Plugs	9/32" Plastic	Each	0.04 oz	18-710
	9/32" Nickel Plated Steel	Each	0.18 oz	18-713

Assembly Hint
Press end cap into end hole(s), then
lightly tap with rubber or plastic mallet.

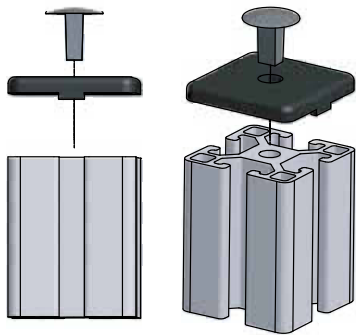


Application

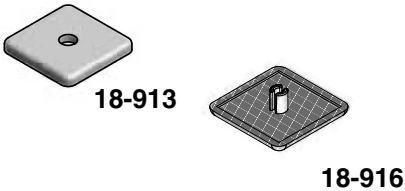
Secured End Caps are attached to profile end with push-in fastener (sold separately). No profile servicing is required.

Technical Data

Glass-Filled Nylon (Black)
Screw: St, black oxide



Secure End Caps



Ordering Information

Description	Unit	Weight	Part #	w/Studs	Screws
28x28 - Secure	Each	7g	18-911*		
28x56 - Secure	Each	7g	18-912*		
30x30 - Secure	Each	7g		18-919**	(1) 24-210-4
60x30 - Secure	Each	7g		18-920**	(2) 24-210-4
40x40 - Secure	Each	7g	18-913*	18-916**	(1) 24-210-4
80x40 - Secure	Each	23g	18-914*	18-917**	(2) 24-210-4
80x80 - Secure	Each	26g	18-918*	18-915**	(4) 24-210-4
Push-in Fastener	Each	2	18-715		

* Requires push-in-fastener

** Requires screws

Conduit Elements

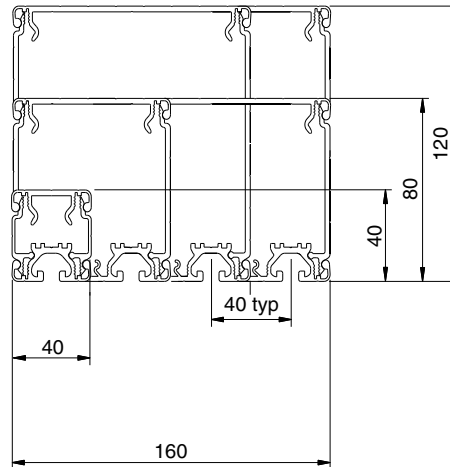
Conduit profiles provide a convenient way to integrate cable, hose and control components to an IPS structural assembly or linear system.

These anodized aluminum profiles are modular and provide great flexibility and are easy to assemble. The dimensions are based on 40mm increments and are compatible with all standard IPS elements.

Assembled conduit sections may be attached to any IPS profile using standard T-slot fastening methods. Reference grooves allow for accurate positioning of any necessary holes or machining.

IPS conduit profiles offer snap-together assembly that can be secured with optional locking screws.

Modular Dimensions

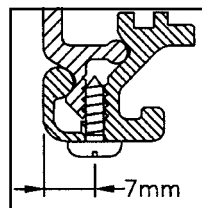
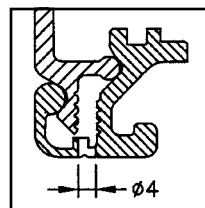
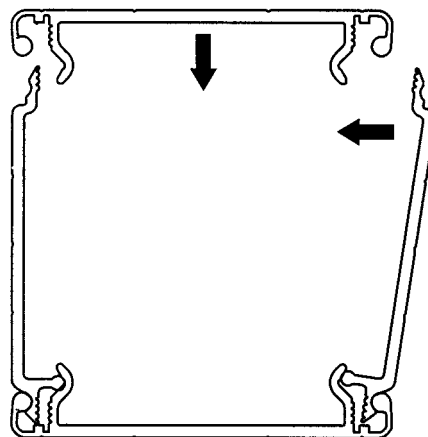


The conduit is made up of high tensile strength aluminum elements:

- Wall duct profile 40, 80 and 120
- Conduit support profile 40, 80, 120 and 160 (with or without T-slot)

Wall duct profiles of any required length are snapped into a support profile. Another support profile closes the duct with a "snap in" fit. The conduit may be secured with screws where necessary.

Assembly of Conduit Elements



1 Scored groove for locating locking screw (24-695) in Support Profile.

2 Locking screw turned into the pre-extruded threads of the support wall profiles.

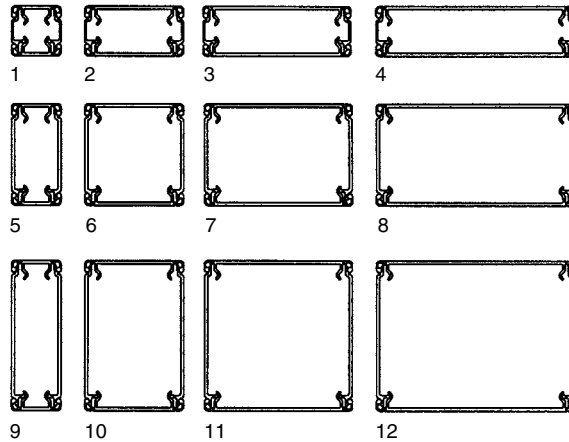
Conduit Cross Section Guide

Type	Item #	Dimensions H x W [mm]	Qty	Wall Part#	Qty	Support Part #1	Qty	Support Part #2	Area [cm ²]	Area [inch ²]
Conduits Without T-Slots	1	40x40	2	15-042	2	15-040	—	—	16.00	2.48
	2	40x80	2	15-042	2	15-080	—	—	32.00	4.96
	3	40x120	2	15-042	2	15-120	—	—	48.00	7.44
	4	40x160	2	15-042	2	15-160	—	—	64.00	9.92
	5	80x40	2	15-082	2	15-040	—	—	32.00	4.96
	6	80x80	2	15-082	2	15-080	—	—	64.00	9.92
	7	80x120	2	15-082	2	15-120	—	—	96.00	14.88
	8	80x160	2	15-082	2	15-160	—	—	128.00	19.84
	9	120x40	2	15-122	2	15-040	—	—	48.00	7.44
	10	120x80	2	15-122	2	15-080	—	—	96.00	14.88
	11	120x120	2	15-122	2	15-120	—	—	144.00	22.32
	12	120x160	2	15-122	2	15-160	—	—	192.00	29.76
Conduits With T-Slots on one Side	13	40x40	2	15-042	1	15-040	1	15-041	9.20	1.43
	14	40x160	2	15-042	1	15-160	1	15-161	36.80	5.70
	15	80x40	2	15-082	1	15-040	1	15-041	25.20	3.91
	16	80x160	2	15-082	1	15-160	1	15-161	100.80	15.62
	17	120x40	2	15-122	1	15-040	1	15-041	41.20	6.39
	18	120x160	2	15-122	1	15-160	1	15-161	164.80	25.54
Conduits with T-Slots on Both Sides	19	80x160	2	15-082	2	15-161	—	—	73.60	11.41
	20	120x160	2	15-122	2	15-161	—	—	137.60	21.33
Conduits with Partitions	21	40x160	5	15-042	1	15-160	1	15-041	36.80	5.70
	22	80x160	5	15-082	1	15-160	1	15-161	100.80	15.62
	23	160x160	5	15-122	1	15-160	1	15-161	164.80	25.54

Cross Sections

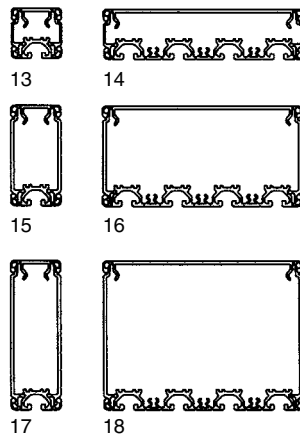
Conduits without T-slots

- 1 40x40
- 2 40x80
- 3 40x120
- 4 40x160
- 5 80x40
- 6 80x80
- 7 80x120
- 8 80x160
- 9 120x40
- 10 120x80
- 11 120x120
- 12 120x160



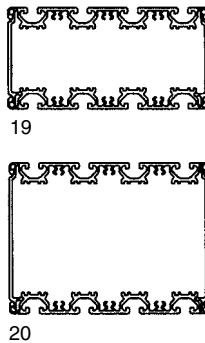
Conduits with T-slots on one side

- 13 40x40
- 14 40x160
- 15 80x40
- 16 80x160
- 17 120x40
- 18 120x160



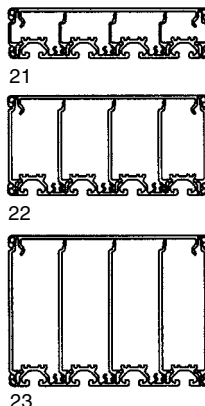
Conduits with T-slots on both sides

- 19 80x160
- 20 120x160

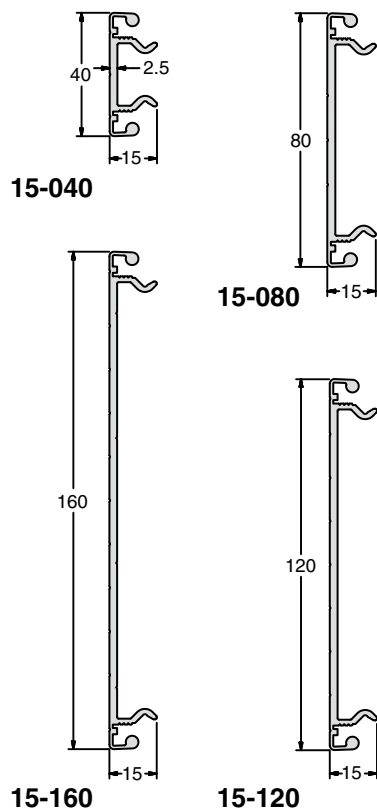


Conduits with Partitions

- 21 40x160
- 22 80x160
- 23 160x160



Conduit Support



Application

Bottom or cover components for conduit assemblies. Wall Duct profiles snap in for fast applications. Locking screw (24-695) can be added to secure the assembly and provide ground continuity between profiles members.

Technical Data

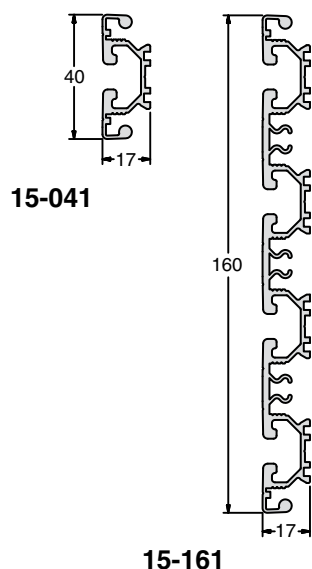
Aluminum, Clear Anodized		
Weight		kg/pc
15-040	1.96	
15-080	3.04	
15-120	3.92	
15-160	5.00	

Ordering Information

Description	Unit	Part #
Conduit Support 40	4m each	15-040
Conduit Support 80	4m each	15-080
*Saw Cut Needed for Cut to Length		19-001
Conduit Support 120	4m each	15-120
Conduit Support 160	4m each	15-160
*Saw Cut Needed for Cut to Length		19-002

Sold in full pieces only.

Conduit Support with T-Slot



Application

Bottom or cover components for conduit assemblies with 40 Series T-Slots on external face for mounting with standard hardware. Wall Duct Profiles can be used to create partitions.

Technical Data

Aluminum, Clear Anodized		
Weight		kg/pc
15-041	2.40	
15-161	9.16	

Ordering Information

Description	Unit	Part #
Conduit Support 40 W/ T-Slot	4m each	15-041
*Saw Cut Needed for Cut to Length		19-001
Conduit Support 160 W/T-Slot	4m each	15-161
*Saw Cut Needed for Cut to Length		19-002

Sold in full pieces only.

Wall Duct Profiles

Application

This profile creates the sides of the conduit assembly and can be used to create partitioned spaces within assemblies using T-Slotted top and bottom supports.

Ordering Information

Description

- Conduit Wall Duct 40
- Conduit Wall Duct 80
- Conduit Wall Duct 120
- *Saw Cut Needed for Cut to Length

Sold in full pieces only.

Technical Data

Aluminum, Clear Anodized

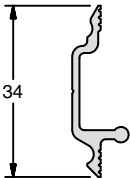
Weight	kg/pc
15-042	0.84
15-082	2.20
15-122	3.24

Unit

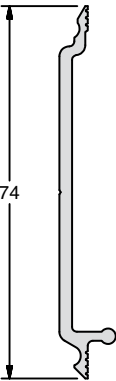
- 4m each
- 4m each
- 4m each

Part

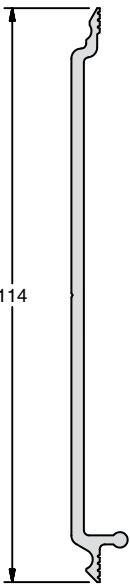
- 15-042
- 15-082
- 15-122
- 19-001



15-042

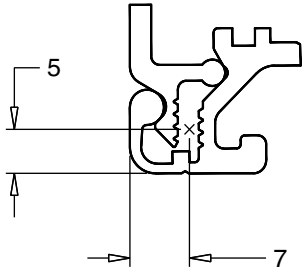
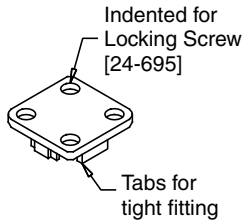


15-082

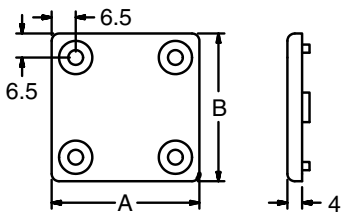


15-122

Conduit End Caps



Recommended location of 5mm hole for locking screw on custom conduit caps (note orientation).



Application

End Caps

Face covering for sealing the end openings of conduit assemblies. Not for use on 40 Series profiles.

Locking Screw

Securely fastens support and wall profiles and breaks the anodized coating creating a positive ground between profile members.

Technical Data

End Caps
Glass-filled nylon, Black

Locking Screw
Steel, Galvanized
4.2 x 9.5mm, DIN 7971

Ordering Information

Description [AxB]	Unit	Part #	Weight
Conduit Cap 40x40	1 pc	15-803	8g
Conduit Cap 40x80	1 pc	15-804	14g
Conduit Cap 40x120	1 pc	15-810	30g
Conduit Cap 40x160	1 pc	15-806	30g
Conduit Cap 80x80	1 pc	15-805	30g
Conduit Cap 80x120	1 pc	15-811	50g
Conduit Cap 80x160	1 pc	15-807	58g
Conduit Cap 120x120	1 pc	15-812	70g
Conduit Cap 120x160	1 pc	15-813	90g
Locking Screw 4.2 x 9.5	1 pc	24-695	2g