

Accessories

Stiffener/Handle Profile

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

Cut to Length Service Number

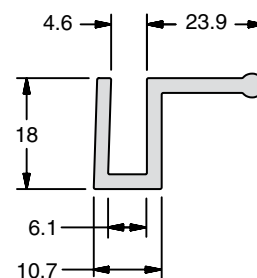
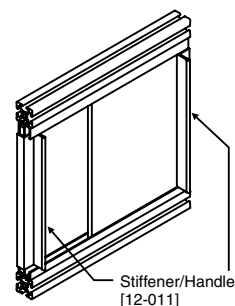
Max. Length

3 meters

Part

12-011

19-001



12-011

Panel Holder

Application

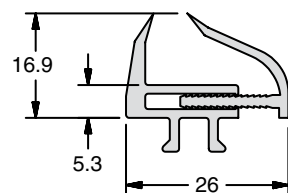
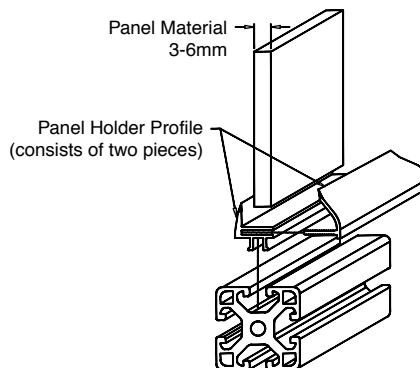
Profile designed for panels 3-6mm thick. Built-in seal for splash guard applications. Can be used for 40, 30, 28 and 1.5" Series profiles.

Technical Data

Base: Rigid PVC, Black

Lip Seal: Vinyl, Black

Weight: 0.16kg/m



12-016B

Ordering Information

Description

Panel Holder Profile

Cut to Length Service Number

Max. Length

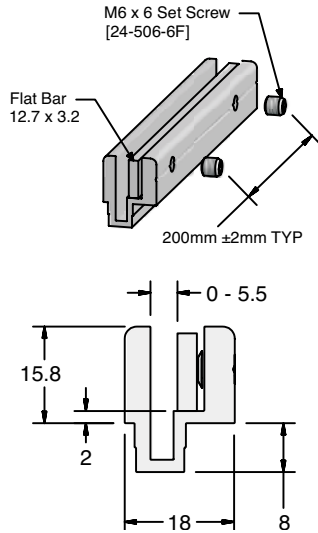
2 meters

Part

12-016B

19-001

Mesh Clamp Profile



12-010*

* Sold by 3-meter piece

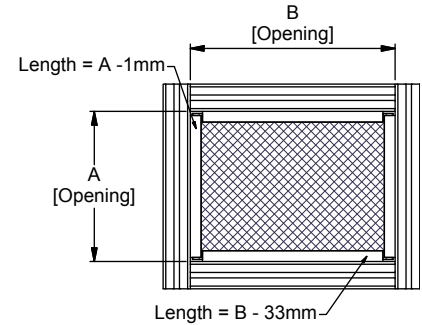
Application

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.

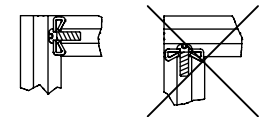
Technical Data

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



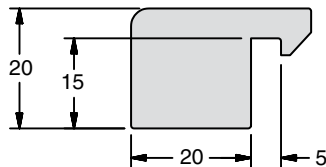
Standard fastener position is critical to avoid interference with the mesh clamp.

Ordering Information

Description
Mesh Clamp Profile
Cut to Length Service Number

Max. Length	Part #
3 meters	12-010*
	19-001

Clamp Bar



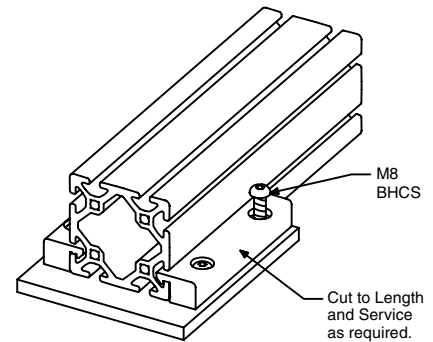
12-105

Application

Attaches 40 Series profiles to base plates or other parts. Must be used in pairs.

Technical Data

Aluminum, Clear Anodized
Weight: 1.24 kg/m



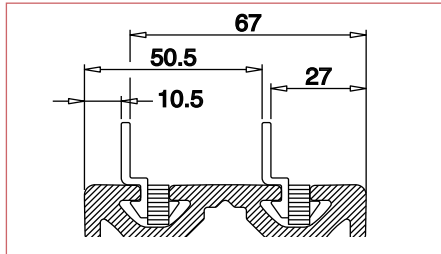
Ordering Information

Description
Clamp Bar Profile
Cut to Length Service Number

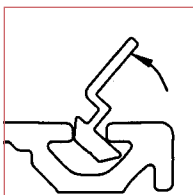
Max. Length	Part #
2 meters	12-105
	19-001

Accessories

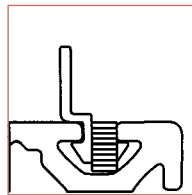
Rack Angle Profile



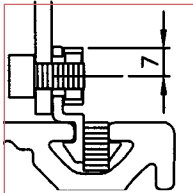
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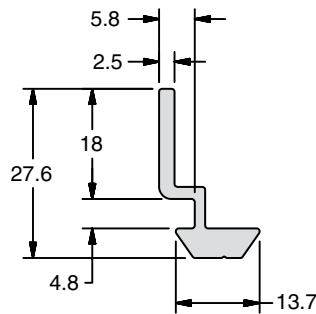
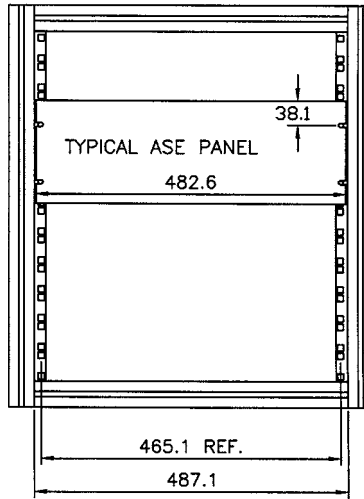
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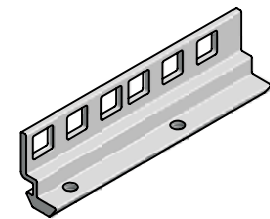
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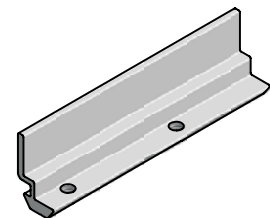
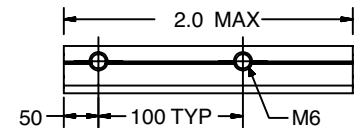
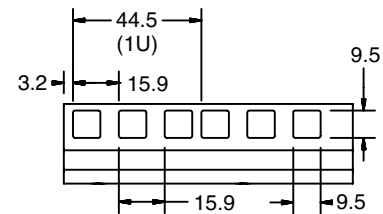
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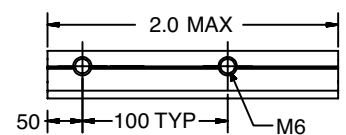
1. Installed dimensions (Profile dimension is 80mm)
2. Inserting rack angle into 40 series T-slot
3. Rack Angle is secured in T-slot with set screw M6x12. 12-109 requires 2 cuts to ensure matching pair
4. Panel is attached to 12-109 Rack Angle with M5 or M6 screw and clip nut



12-109*



12-110*



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.

Ordering Information

Description	Max. Length	Part #
Profile Rack Angle with Holes	2 meters	12-109
Profile Rack Angle no Holes	2 meters	12-110
Cut to Length Service Number		19-001
Rack Angle Clip Nut M5	Each	20-075
Rack Angle Clip Nut M6	Each	20-076
Rack Angle Clip Nut #10-32	Each	25-075
Rack Angle Clip Nut 1/4-20	Each	25-076

Technical Data

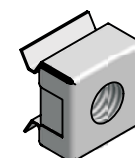
Extrusion:

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

Includes M6X12 flat point set screws

Clip Nut: (Order separately)

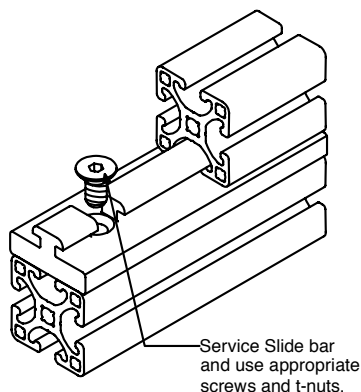
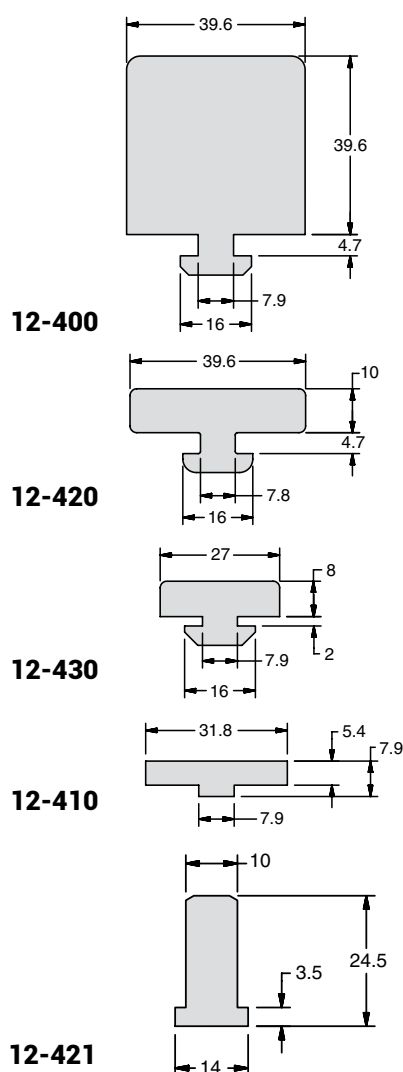
Steel, Zinc Plated
Weight 5g



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

* Sold by 2-meter piece

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

UHMW, White
 40/1.5" Series Applications use:
 12-400, 12-420, and 12-410
 28/30 Series Applications use:
 12-430

Ordering Information

Description	Max. Length	Part #	Wgt. (kg/m)
Slide Bar UHMW	3 meters	12-400	1.56
Slide Bar UHMW 40x10	3 meters	12-420	1.01
Slide Bar UHMW 28/30x8	3 meters	12-430	0.27
Slide Strip UHMW	3 meters	12-410	0.18
Guide Profile	3 meters	12-421	0.24
Cut to Length Service Number		19-001	

Anti-Skid Cover

Application

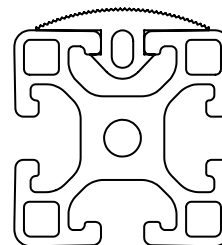
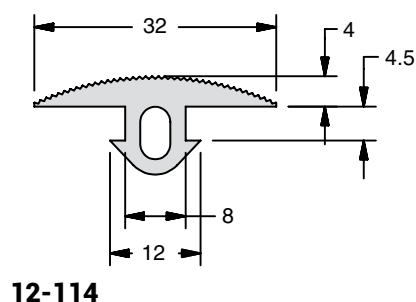
Cover for 40 and 1.5" Series profiles is used for non-slip surfaces such as ladders and stops for sliding doors. Oil and water resistant.

Technical Data

Rubber, Black
 Hardness 80 Shore

Ordering Information

Description	Max. Length	Weight	Part #
Anti-Skid Cover	20 meters	0.18 kg/m	12-114
Cut to Length Service Number			19-001



Accessories

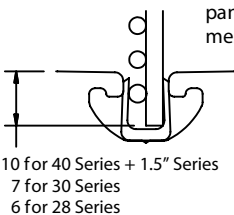
Wire Mesh Gasket

Application

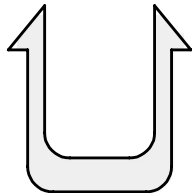
Mesh gasket for mounting 12 gage wire mesh in 40, 30, 28 and 1.5" Series T-Slots.

Technical Data

Molded Vinyl, Gray
Weight: 0.09 kg/m



Add length per side of panel for T-slot inserted mesh using the 12-107.



12-107

Ordering Information

Description	Max. Length	Part #
Wire Mesh Gasket	30.5 meters	12-107
Cut to Length Service Number		19-001
Full Roll	30.5 meters	12-107R

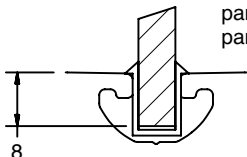
Panel Gasket

Application

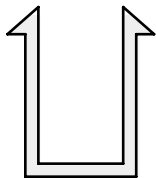
Panel gasket for installing 6mm panels in 40, 30, 28 and 1.5" Series profile T-slot.

Technical Data

Molded Vinyl, Grey
Weight: 0.04 kg/m



Add 7mm per side of panel for T-slot inserted panel using the 12-106.



12-106

Ordering Information

Description	Max. Length	Part #
Panel Gasket	30.5 meters	12-106
Cut to Length Service Number		19-001
Full Roll	30.5 meters	12-106R

Panel Gasket

Application

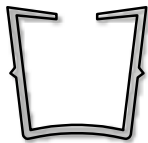
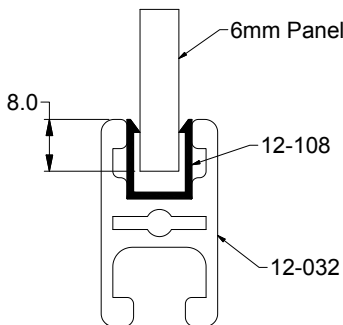
Panel gasket for installing 6mm or 8mm panels in the 10mm T-slots of 18x32 Door Profile [12-032].

Technical Data

PP & TPE, Black
Weight: 0.09 kg/m

Ordering Information

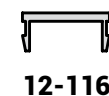
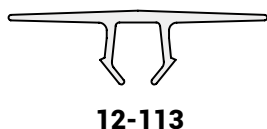
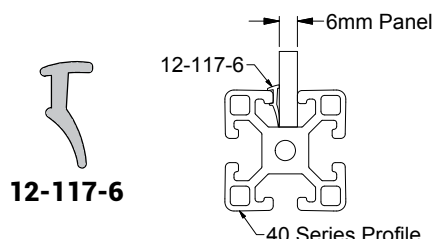
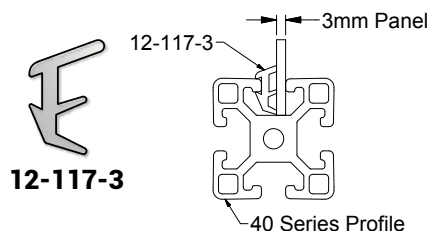
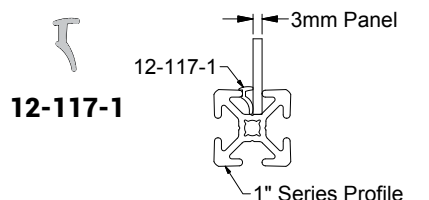
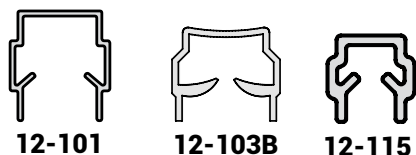
Description	Max. Length	Part #
Panel Gasket	2 meters	12-108



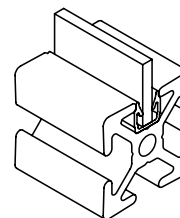
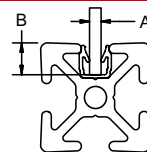
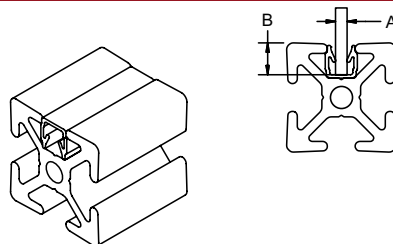
12-108*

*Sold by 2-meter piece

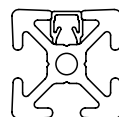
Cover/Gasket Strips



* Sold by 2 meter piece



- 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.



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

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
12-113: Rigid PVC, Yellow
12-117-1/3/6: TPE, Black

Weight (kg/m):

12-101	0.05
12-103	0.04
12-113	0.10
12-115	0.03
12-117-1	0.02
12-117-3	0.07
12-117-6	0.0

Ordering Information

Description	Max Length	Part # (Clear)	Part # (Black)	Part # (Yellow)	Part # (Gray)
Cover/Gasket Strip 40/1.5" Series	2 meters	12-101*	12-101B*	12-101Y*	12-101G*
Cover/Gasket Strip 28 Series	2 meters		12-103B*		
Cover/Gasket Strip 20 Series	2 meters	12-115*	12-115B*		
Safety Cover Strip 40/1.5" Series	2 meters			12-113*	
Push-in Panel Seal (3mm) 1" Series	100 meters		12-117-1		
Push-in Panel Seal (3mm)	100 meters		12-117-3		
Push-in Panel Seal (6mm)	100 meters		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 or PVC

Ordering Information

Description	Max Length	Part # (Clear)	Part # (Black)	Part # (Yellow)	Part # (Blue)
Aluminum Cover Strip 40/1.5" Series	2 meters	12-102*			
PVC Cover Strip 40/1.5" Series	2 meters	12-111*	12-111B*	12-111Y*	12-111BL*
PVC Cover Strip 30/28 Series	2 meters	12-116*	12-116B*		

Weight (kg/m): 12-102, 0.026; 12-111, 0.018; 12-116, 0.014

Accessories

Metric End Caps Access Hole Plugs

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.

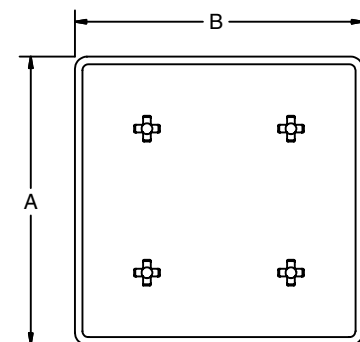
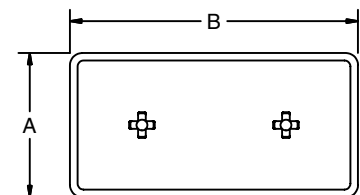
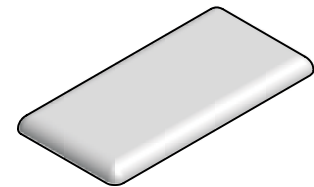
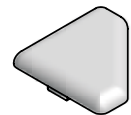
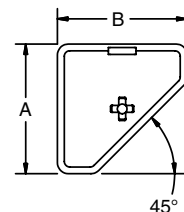
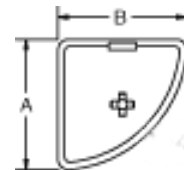
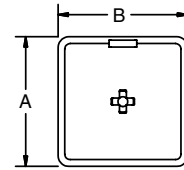
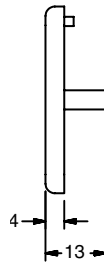
Technical Data

Glass-Filled Nylon, Black

Ordering Information

Series	Size (A x B)	Unit	Wt (g)	Part #
40 Series	16x40	Each	4	18-811
	40x40*	Each	7	18-813
	40x40 (11-540 only)	Each	10	18-805
	40x40 Quarter Round	Each	5	18-843
	16x80	Each	6	18-812
	40x80*	Each	15	18-814
	80x80*	Each	28	18-815
	40x120	Each	22	18-840
	80x120	Each	43	18-841
	16x160	Each	10	18-806
	28x160	Each	20	18-816
	40x160	Each	28	18-817
	80x160	Each	66	18-818
	40x40-45°	Each	6	18-820
	R40/80-30	Each	17	18-883
	R40/80-45	Each	19	18-885
	R40/80-60	Each	22	18-886
30 Series	30x30 Quarter Round	Each	4	18-838
	30x30*	Each	5	18-803
	30x60*	Each	11	18-863
28 Series	28x28*	Each	4	18-808
	28x56*	Each	8	18-809
	28x28-45°	Each	3	18-844
20 Series	10x20	Each	0.5	18-830
	20x20	Each	1	18-802
	20x40	Each	2	18-831
	40x40, 20 Series	Each	4	18-832
18x32 Frame Profile	18x32 Door Profile	Each	3	18-807
Access Hole Plugs	7mm Plastic	Each	0.1	18-710
	7mm Nickel	Each	0.5	18-713

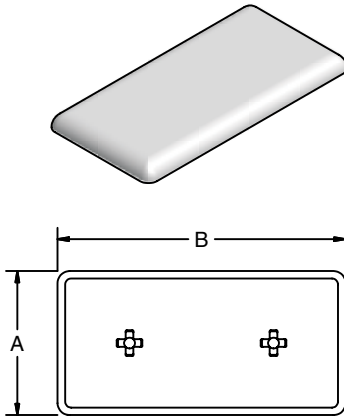
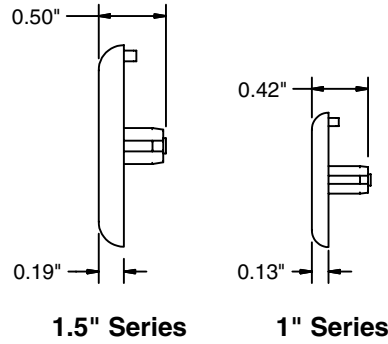
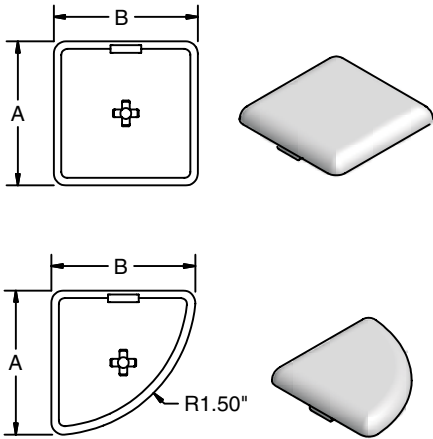
* Secure end caps available



Access Hole Plugs

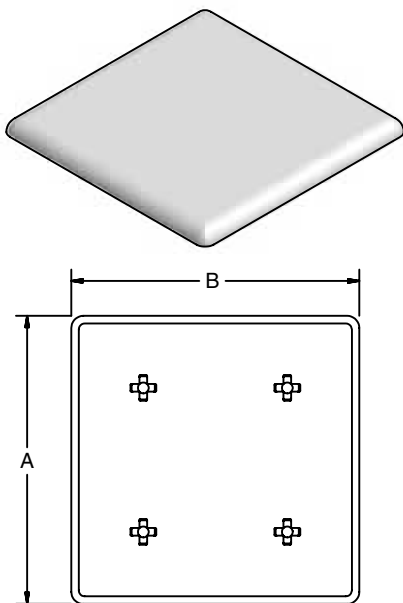


Inch End Caps Access Hole Plug



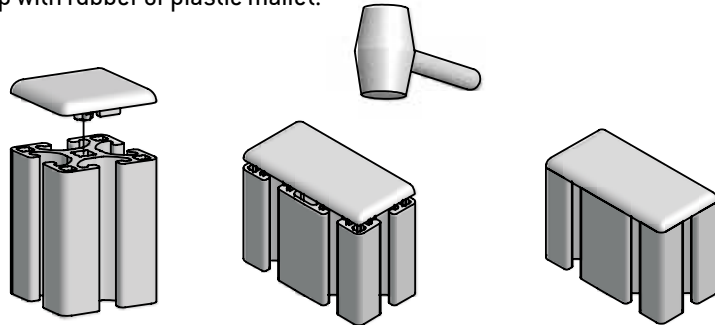
Ordering Information

Series	Size (A x B)	Unit	Weight (g)	Part #
1.5" Series	1.5" x 1.5"	Each	7	18-1515
	1.5" x 1.5" Quarter Round	Each	6	18-1543
	1.5" x 3"	Each	14	18-1530
	3" x 3"	Each	28	18-3030
1" Series	1" x 1"	Each	3	18-1010
	1" x 2"	Each	7	18-1020
	2" x 2"	Each	14	18-2020
Access Hole Plugs	9/32" Plastic	Each	1	18-710
	9/32" Nickel Plated Steel	Each	5	18-713



Assembly Hint

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



Accessories

Secure End Caps

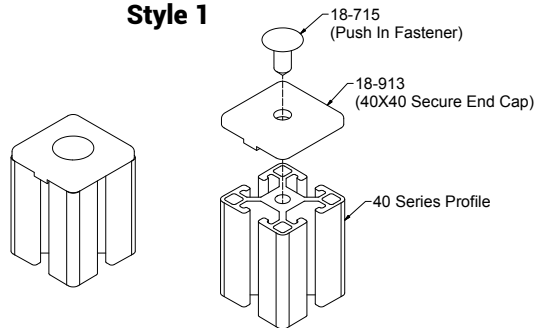
Application

Secure End Caps are attached to profile end with push-in fastener or screws, depending on type (sold separately). No profile servicing is required.

Technical Data

Glass-Filled Nylon, Black

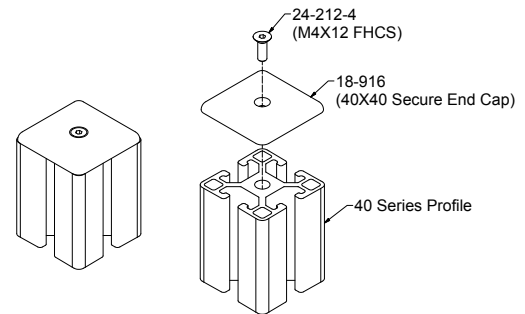
Style 1



Ordering Information

Series	Size	Unit	Weight (g)	Part #	Style
40	40x40	Each	7	18-913	1
	40x40	Each	7	18-916	2
	40x80	Each	23	18-914	1
	40x80	Each	23	18-917	2
	80x80	Each	23	18-918	1
	80x80	Each	23	18-915	2
30	30x30	Each	7	18-919	2
	30x60	Each	7	18-920	2
28	28x28	Each	7	18-911	1
	28x56	Each	7	18-912	1

Style 2



Recommended Fasteners (Order Separately)

Part #	Fastener	Qty	Description
18-913	18-715	1	Push-in Fastener
18-916	24-212-4	1	FHCS M4X12
18-914	18-715	2	Push-in Fastener
18-917	24-212-4	2	FHCS M4X12
18-918	18-715	4	Push-in Fastener
18-915	24-212-4	4	FHCS M4X12
18-919	24-212-4	1	FHCS M4X12
18-920	24-212-4	2	FHCS M4X12
18-911	18-715	1	Push-in Fastener
18-912	18-715	2	Push-in Fastener

Conduit Elements

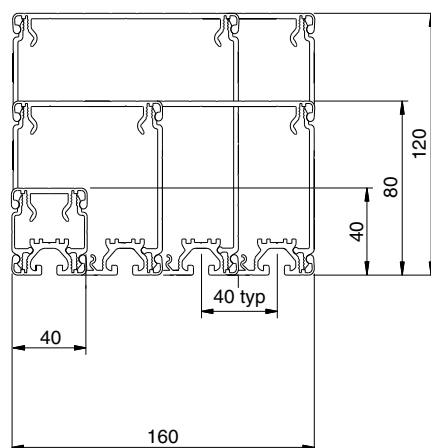
Conduit profiles provide a convenient way to integrate cable, hose and control components to an IPS structural assembly or linear system.

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

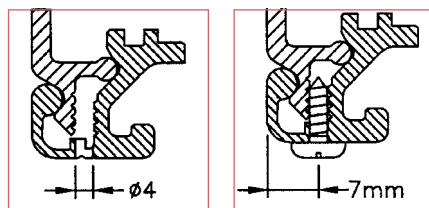
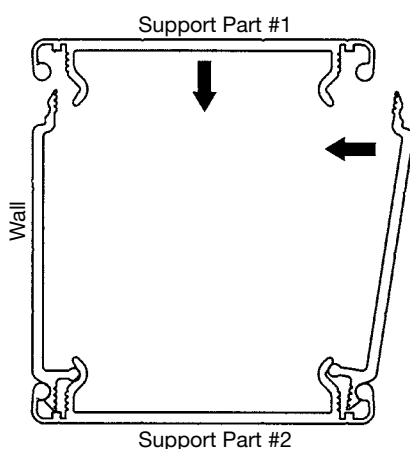


Assembly of Conduit Elements

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.



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.

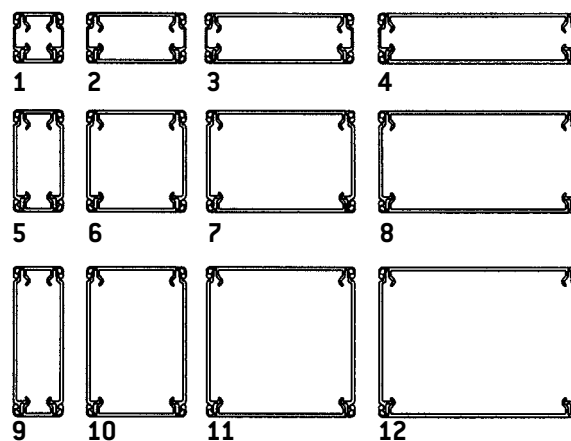


Conduit

Conduit Cross Section Guide

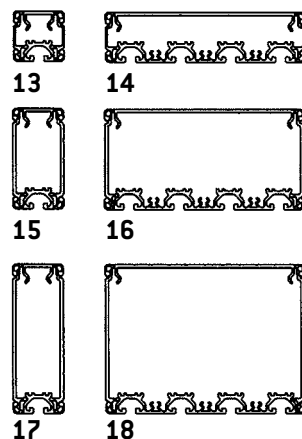
Type	Item #	Dimensions H x W [mm]	Qty	Wall Part#	Qty	Support Part #1	Qty	Support Part #2	Area [cm ²]	Area [inch ²]
Conduits Without T-Slots	1	40x40	2	15-042	2	15-040	—	—	16.00	2.48
	2	40x80	2	15-042	2	15-080	—	—	32.00	4.96
	3	40x120	2	15-042	2	15-120	—	—	48.00	7.44
	4	40x160	2	15-042	2	15-160	—	—	64.00	9.92
	5	40x80	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	40x120	2	15-122	2	15-040	—	—	48.00	7.44
	10	80x120	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	40x80	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	40x120	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	160x120	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



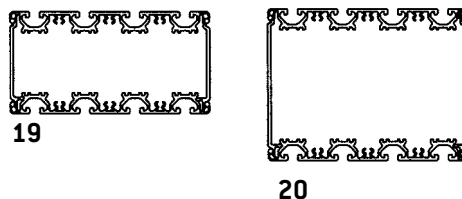
Conduits without T-slots

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



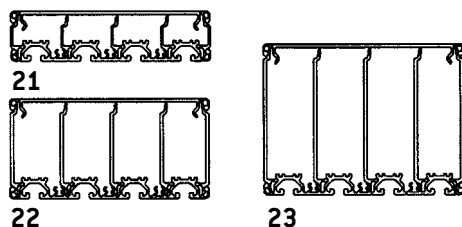
Conduits with T-slots on one side

- 13 40x40
- 14 40x160
- 15 40x80
- 16 80x160
- 17 40x120
- 18 120x160



Conduits with T-slots on both sides

- 19 80x160
- 20 120x160



Conduits with Partitions

- 21 40x160
- 22 80x160
- 23 160x120

Conduit

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.

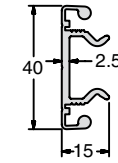
Technical Data

Aluminum, Clear Anodized

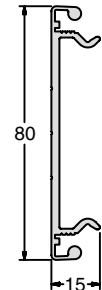
	Weight kg/m
15-040	1.96
15-080	3.04
15-120	3.92
15-160	5.00

Ordering Information

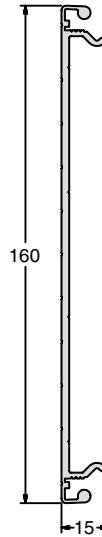
Description	Unit Length	Part #
Conduit Support 40	4 meters	15-040
Conduit Support 80	4 meters	15-080
Cut to Length Service Number		19-001
Conduit Support 120	4 meters	15-120
Conduit Support 160	4 meters	15-160
Cut to Length Service Number		19-002



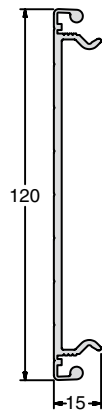
15-040



15-080*



15-160



15-120

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.

Technical Data

Aluminum, Clear Anodized

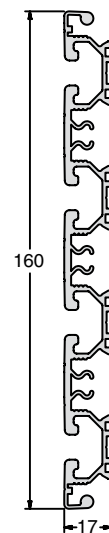
	Weight kg/m
15-041	2.40
15-161	9.16

Ordering Information

Description	Unit Length	Part #
Conduit Support 40 W/T-Slot	4 meters	15-041
Cut to Length Service Number		19-001
Conduit Support 160 W/T-Slot	4 meters	15-161
Cut to Length Service Number		19-002

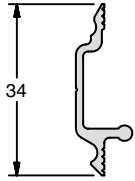


15-041

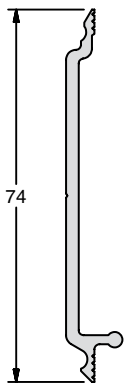


15-161

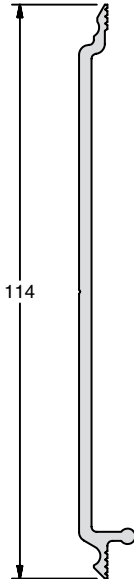
Wall Duct Profiles



15-042



15-082



15-122

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.

Technical Data

Aluminum, Clear Anodized

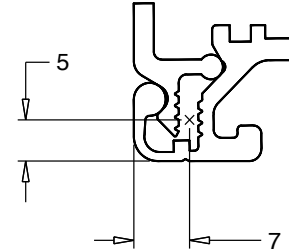
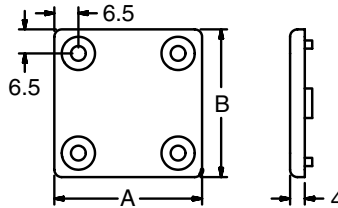
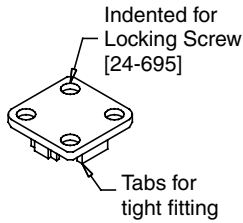
	Weight kg/m
15-042	0.84
15-082	2.20
15-122	3.24

Ordering Information

Description	Unit Length	Part #
Conduit Wall Duct 40	4 meters	15-042
Conduit Wall Duct 80	4 meters	15-082
Conduit Wall Duct 120	4 meters	15-122
Cut to Length Service Number		19-001

Conduit Accessories

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 and installing end caps.

Technical Data

End Caps:
Glass-Filled Nylon, Black

Locking Screw:
Stainless Steel
4.2 x 9.5mm, DIN 7971

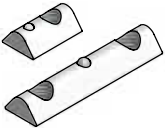
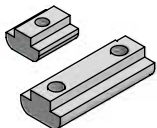
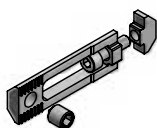
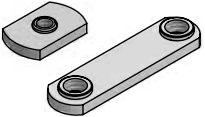
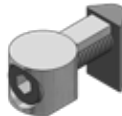
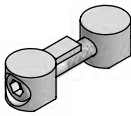
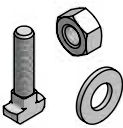
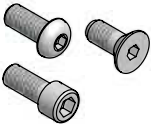
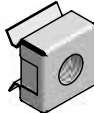
Recommended Fasteners (Order Separately)

Screw	Qty
24-695	4 per End Cap

Ordering Information

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

Section 2 - Fasteners

Standard Fasteners	81		Drop-in T-Nuts Double Drop-in-T-Nuts Self-Aligning T-Nuts T-Nut Bars	88 89 89 90	
Flat Plate Fasteners	82		Heavy Duty T-Nuts Heavy Duty T-Nut Bars	90 90	
Milling Connectors	82		Slide-in Economy T-Nuts	91-92	
Universal Fasteners	83		Drop-in Z-Nuts	92	
Butt Fasteners	84		Anodize Breakers	93	
Central Connectors	84		T-Bolts Nuts Washers	93 94 94	
Self-Tapping Connectors	85		Metric Screws Imperial Screws Set Screws	95-96 97-98 99	
Profile-to-Wall Fasteners	85		Clip Nuts	99	
Miter Connectors	86		T-Clips Cable Tie Holders Cable/Hose Holders	100 100 101	