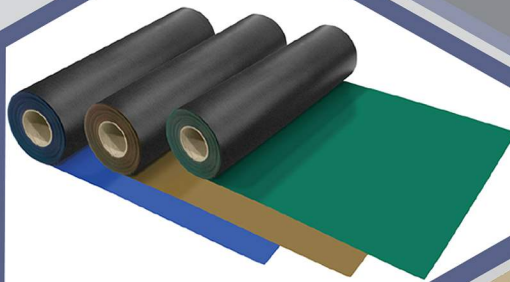




ALIMEX ELECTRONICS

S . A . D E C . V .

ALUMINUM PROFILE



MODULAR RACKING SYSTEMS



ESD AND CLEANROOM PRODUCTS



ALIMEX ELECTRONICS SA DE CV

Supplying America, Connecting the World



CONTENT

- Aluminum Profile
- Modular Racking System
- ESD & Cleanroom Products
- Laser & Plasma Cutting Services



Alimex Electronics SA de CV specializes in the application of its Pipe and Joint System and Aluminum Profiles to offer solutions in the implementation of lean manufacturing to support our customer's continuous improvement projects. Our products are being used by thousands of factories across many industries.

With our Aluminum Profiles and Pipe & Joint system, the sky is the limit when you need to find a solution that will increase productivity, save floor space, increase operator ergonomics and is cost effective. Production cells, workbenches, gravity conveyors, display boards, flow racks, and mobile carts are just a small sample of custom-made structures you can build with our modular systems.

Stainless Steel Pipes, together with our nickel-plated connectors, can be use in clean room applications, are ESD compatible and environmentally friendly. To complete your ESD or Cleanroom projects, we have a complete line of ESD products that go hand in hand with our Stainless-Steel Pipe Modular System.

Our Products

- Aluminum Profile
- Modular Racking System
- Static Control Products (ESD)
- Clean Room Products
- Laser & Plasma Cutting Services
- Maintenance / Repair / Operations (MRO) Supplies

Our Customers

- Consumer Electronics Manufacturers
- Medical Product Manufacturer
- Automotive OEMS (Original Equipment Manufacturers)
- Aerospace Manufacturers

Why work with ALI., Inc.?

- Short lead time. Most items ship the same day if purchase order is received before noon.
- CAD design assistance.
- Diligent Commitment to Continuous Improvement.


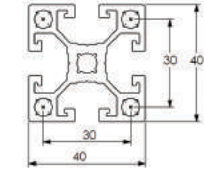
Benefits of using our Pipe & Joint Modular System, ESD Products and Aluminum Profiles

- Cost Effective
- Increase Productivity
- Reduce Waste
- Re Usable
- Improve Ergonomics
- Optimization of Floor Space

ALI Aluminum Profile


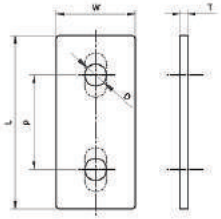

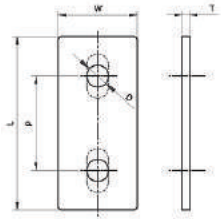

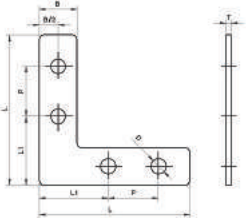

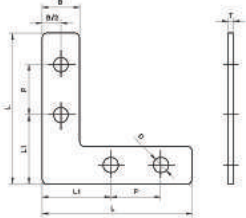

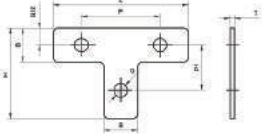

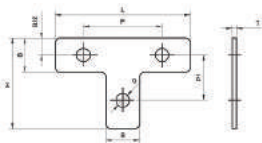


ALI Aluminum Profile


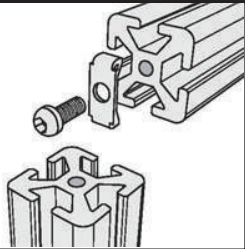

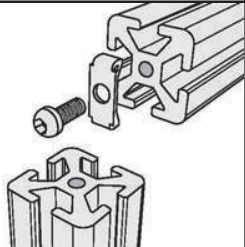

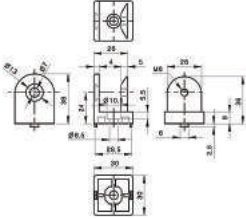

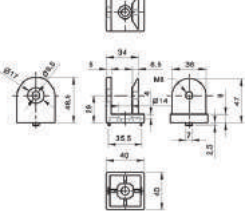

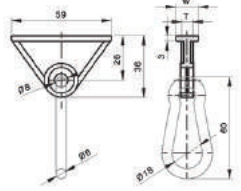

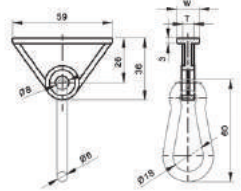

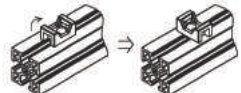
Part Number	Description	For Aluminum Profile	Image	
MP-3030-6	T-slotted Aluminum Profile 30mm x 30mm x 6m	30x30		
MP-4040L-6	T-slotted Aluminum Profile 40mm x 40mm x 6m	40x40		
MP-4080L-3	T-slotted Aluminum Profile 40mm x 80mm x 3m	40x80		




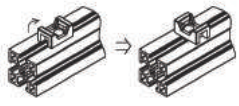

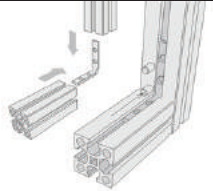
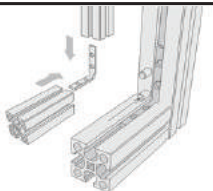



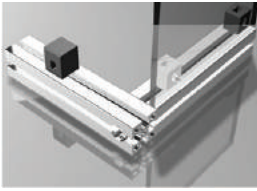

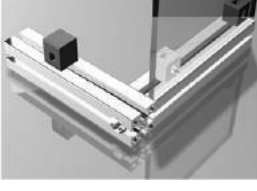
ALI Brackets for Aluminum Profile

Part Number	Description	For Aluminum Profile	Image	
BK-S G306-I	Frame Joint "I type" for 30mm x 30mm Aluminum Profile	30x30		
BK-S G408-I	Frame Joint "I type" for 40mm x 40mm Aluminum Profile.	40x40		
		40x80		
BK-S G306-L	Steel Bracket L Type for 30mm x 30mm Aluminum Profile	30x30		
BK-S 408-L	Steel Bracket L Type for 40mm x 40mm Aluminum Profile	40x40		
		40x80		
BK-S G306-T	Frame Joint "CT type" for 30mm x 30mm Aluminum Profile.	30x30		
BK-S G408-T	Frame Joint "CT type" for 40mm x 40mm Aluminum Profile	40x40		
		40x80		


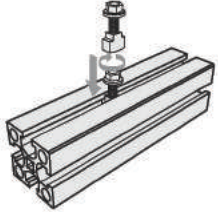

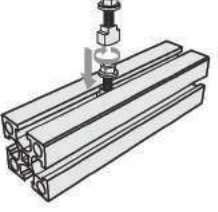

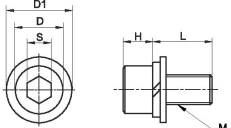
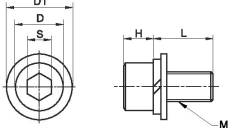

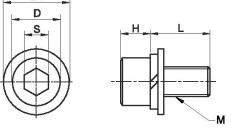
ALI Brackets and Plastic Accessories

Part Number	Description	For Aluminum Profile	Image	
JC G308	Steel Joint Clip	30x30		
JC G408	Steel Joint Clip	40x40		
		40x80		
AJM6 (30)	Free Angle Bracket	30x30		
AJM8 (40)	Free Angle Bracket	40x40		
		40x80		
SHM6 (30)	Slider Hook-Black	30x30		
SHM8 (40)	Slider Hook-Black	40x40		
		40x80		
MTL-30	Cable Tie Mount-Black	30x30		


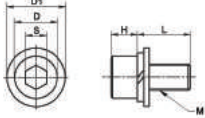

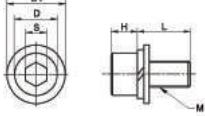

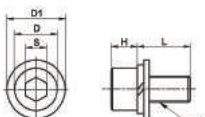

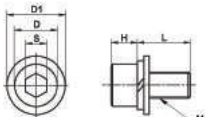

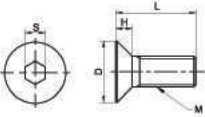

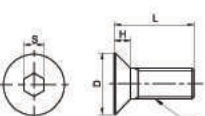

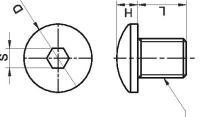

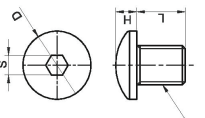
ALI Brackets and Plastic Accessories

Part Number	Description	For Aluminum Profile	Image	
MTL-40	Cable Tie Mount-Black	40x40		
		40x80		
IB G306	Inner Bracket for 30x30	30x30		
IB G408	Inner Bracket for 40x40	40x40		
		40x80		
MLN-08 (40)	Inner Steel Bracket	40x40		
		40x80		
MB-G306 (3T/8T)	Multi Block-Black	30x30		
MB-306 (5T/8T)	Multi Block-Black	30x30		
MB-G408 (1T/10T)	Multi Block-White	40x40		
		40x80		

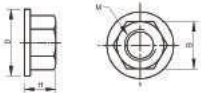


ALI Fasteners for Aluminum Profile

Part Number	Description	For Aluminum Profile	Image	
B-TG 6X15 (30)	T-Bolt	30x30		
B-TG 8X18 (40)	T-Bolt	40x40		
		40x80		
B-SW 5X15 (30)	Bolt M5 with Washer	30x30		 M5; L:15; H:6; D:10; D1:13; S:4
B-SW 6X15 (30)	Bolt M6 with Washer	30x30		 M6; L:15; H:6; D:10; D1:13; S:5
B-SW 8X20 (40)	Bolt M8 with Washer	40x40		 M8; L:20; H:6; D:10; D1:18; S:6
		40x80		

ALI Fasteners for Aluminum Profile

Part Number	Description	For Aluminum Profile	Image
B-WO 6X15 (30)	Bolt M6x15 (Socket Cap)	30x30	  <p>M6; L:15; H:6; D:10; S:5</p>
B-WO 6X20 (30)	Bolt M6x20 (Socket Cap) Works with free angle bracket	30x30	  <p>M6; L:20; H:6; D:10; S:5</p>
B-WO 8X15 (40)	Bolt M8x15 (Socket Cap)	40x40	  <p>M8; L:15; H:8; D:13; S:6</p>
		40x80	
B-WO 8X20 (40)	Bolt M8x20 (Socket Cap)	40x40	  <p>M8; L:20; H:8; D:13; S:6</p>
		40x80	
B-WO 6X12 (30)	Bolt-Countersunk	30x30	  <p>M6; L:12; H:3.3; D:12; S:4</p>
B-WS 8X12 (40)	Bolt-Countersunk	40x40	  <p>M6; H:3.3; D:10.5; S:4</p>
		40x80	
B-WD 6X15 (30)	CENTRAL Bolt M6-Button type Hex Socket	30x30	  <p>M6; D:10.5; H:3.3; S:4</p>
B-WD 8X20 (40)	CENTRAL Bolt M8-Button type Hex Socket	40x40	  <p>M8; D:14; H:4.4; S:5</p>
		40x80	

ALI Fasteners for Aluminum Profile


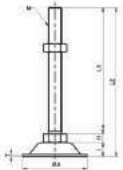

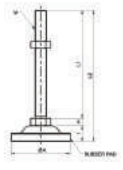

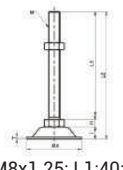

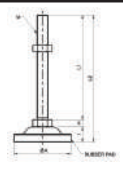

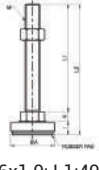

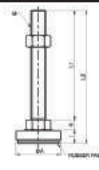

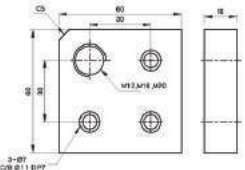

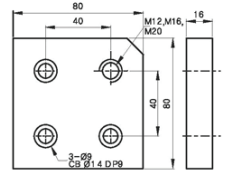
Part Number	Description	For Aluminum Profile	Image	
N-TG (30)	T-Nut	30x30		
N-FM6 (30)	Flange Nut	30x30		 M6; D:13.5; H:6; B:10
N-FM8 (40)	Flange Nut	40x40		 M8; D:17; H:8; B:12
		40x80		
N-SR G306 (30)	Nut-Square for M6x15 Bolt	30x30		
N-SR G408 (40)	Nut-Square for M8x20 Bolt	40x40		
		40x80		
JC-D 306 (30)	Spring Nut	30x30		
JC-D 408 (40)	Spring Nut	40x40		
	40x80			

ALI Fasteners for Aluminum Profile


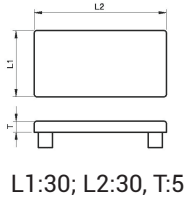

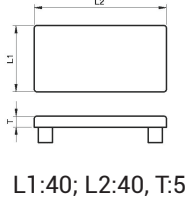

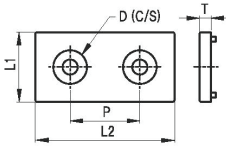

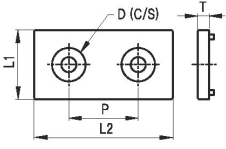

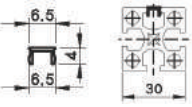

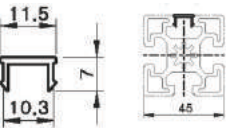
Part Number	Description	For Aluminum Profile	Image
N-I G305	Insert Nut	30x30	
N-IG408	Insert Nut	40x40	
		40x80	




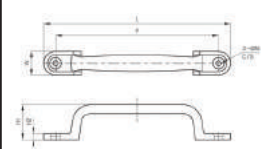

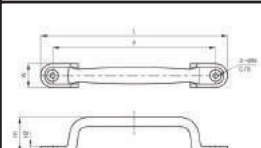

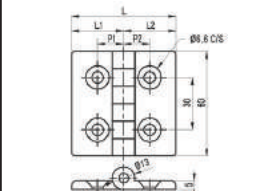

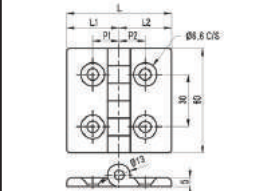

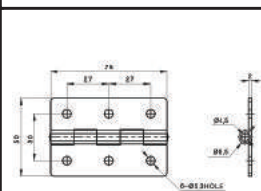

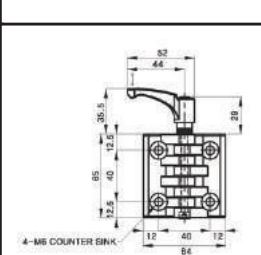

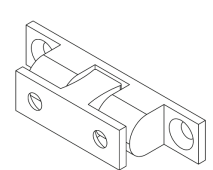
ALI Leveling Foot & Base for Aluminum Profile

Part Number	Description	For Aluminum Profile	Image	
LF-P 36-06X040	Leveling Foot for Aluminum Profile (3030)	30x30		 A:36; M6x1.0; L1:40; L2:55; H:6; I:9
LF-PR 6X40-40	Leveling Foot with Rubber Pad for (3030)	30x30		 A:36; M6x1.0; L1:40; L2:55; H:6; I:9
LF-P 36-08X040	Leveling Foot for Aluminum Profile (4040L)	40x40		 A:36; M8x1.25; L1:40; L2:55; H:6; I:9
		40x80		
LF-PR 8X40-40	Leveling Foot with Rubber Pad (4040)	40x40		 A:36; M8x1.25; L1:40; L2:55; H:6; I:9
		40x80		
LF-PR 6X40-30	Leveling Foot with Rubber Pad	30x30		 A:30; M6x1.0; L1:40; L2:61; H:6; I:15
		40x40		
		40x80		
LF-PR 8X40-40	Leveling Foot with Rubber Pad	40x40		 A:30; M8x1.0; L1:40; L2:61; H:6; I:15
		40x80		
FB-D 60X60C	Leveling Foot Base	30x30		 3-Ø7 CW Ø1.4 DP9
FB-D 80X80C	Leveling Foot Base	40x40		 M1.2, M1.6, M2.0 3-Ø9 CW Ø1.4 DP9
		40x80		

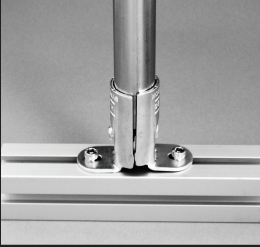
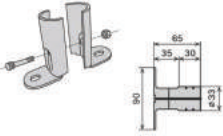

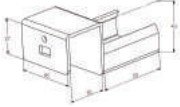

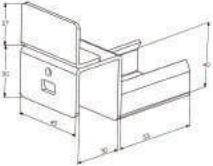

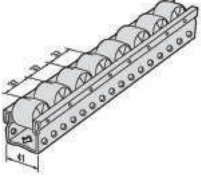
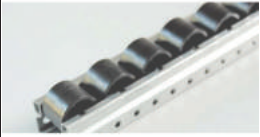
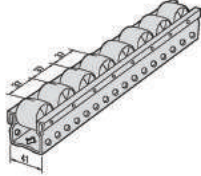

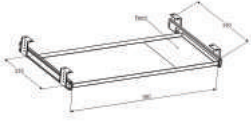

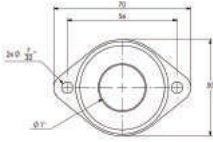
ALI End Caps for Aluminum Profile

Part Number	Description	For Aluminum Profile	Image	
EC-P/M 30x30M30	Plastic End Cap-Black	30x30		 L1:30; L2:30, T:5
EC-PD/M 40X40(L)	Plastic End Cap-Black	40x40		 L1:40; L2:40, T:5
		40x80		
EC-DG 30X30	AL End Cap	30x30		 L1:30; L2:30, D:6.5; T:5
EC-DG 40X40	AL End Cap	40x40		 L1:40; L2:40, D:8.5; T:8.5
		40x80		
C-GR M6	Cover-Plastic Black 3m Length	30x30		
C-GR M8	Cover-Plastic Black 3m Length	40x40		
		40x80		

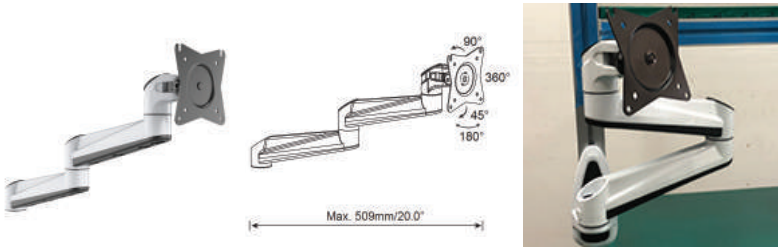


ALI Handle and Hinges for Aluminum Profile

Part Number	Description	For Aluminum Profile	Image	
HD-G-S79 (30)	Door Handle	30x30		 L:94; P:79; W:15; H1:19 H2: 4.2; M4.5
		40x40		
		40x80		
HD-G-S113.5	Door Handle	30x30		 L:133.5; P:113.5; W:20; H1:27; H2: 5.2; M4.5
		40x40		
		40x80		
H-GD60X60	Door Handle	30x30		 L:60; L1&L2: 30; P1&P2:15
		40x40		
		40x80		
H-GD60X70	Door Handle	30x30		 L:70; L1&L2: 35; P1&P2:20
		40x40		
		40x80		
H-CH-002-75	Door Handle	30x30		
		40x40		
		40x80		
H-CH-048	Nylon Door Hinge	30x30		
		40x40		
		40x80		
H-BC-50	Door Magnet	30x30		
		40x40		
		40x80		




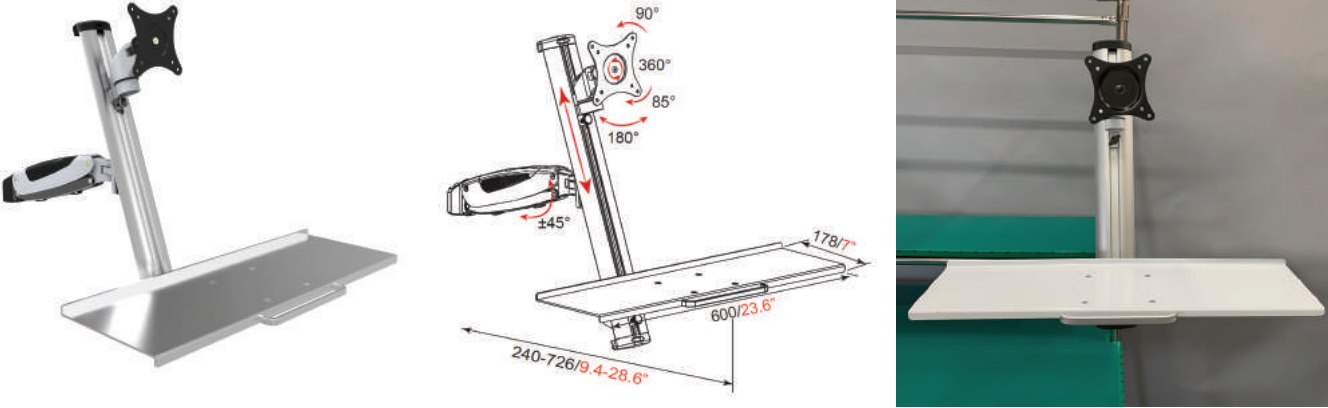
ALI Accessories for Roller Conveyor & Aluminum Profile

Part Number	Description	For Aluminum Profile	Image	
NJ-20	Metal Joint Set for Aluminum Profile & 28mm Pipe	30x30		
		40x40		
		40x80		
PS-30X30A	Placon Support Metal A for Aluminum Profile 30x30	30x30		
PS-40X40A	Placon Support Metal A for Aluminum Profile 40x40	40x40		
		40x80		
PS-30X30B	Placon Support Metal B for Aluminum Profile 30x30	30x30		
PS-30X30B	Placon Support Metal B for Aluminum Profile 30x30	40x40		
		40x80		
KW105-40TP	40mm Rail Wheel Conveyor 4 Meters in Length	30x30		
		40x40		
		40x80		
KW105-40TP-ESD	ESD 40mm Rail Wheel Conveyor 4 Meters in Length	30x30		
		40x40		
		40x80		
ALI-0140	Keyboard Tray	30x30		
		40x40		
		40x80		
ALI-1604-BT	1" Ball Transfer Heavy Duty, Stud Mount Carbon Steel and Main Ball	30x30		
		40x40		
		40x80		

Monitor Arms

Part Number	Specifications
ALI-AE 12	Aluminum Single Monitor Arm Height Adjustable, Tilt.
	
 15" - 27"  0-8kgs/0-17.6lbs  VESA 75x75 100x100	

Part Number	Specifications
ALI-VM 10	Aluminum Wall Plate For Monitor Arms.
	

Part Number	Specifications	
ALI-WS08	Aluminum, Adjustable Single Monitor Arm with Keyboard Tray. Mechanical Spring w/ Adjustable Tension & Integrated Cable Management.	 13" - 27"  0-8kgs/0-17.6lbs  VESA 75x75 100x100
		

ESD Keyboard and Mouse

Specifications		
Description	Part Number	
	MS24-S-001	M24-S-002
Keyboard Type	ESD Wireless Keyboard	ESD Wire Keyboard
Material	Permanent Antistatic ABS Plastic	
Surface Resistivity	10-10 Ohms /sq	
Friction Voltage	<100 V	
Interface Type	USB	
Color	Black	



MS24-S-001



M24-S-002

Specifications		
Description	Part Number	
	MS25-S-001	M24-S-002
Wireless	ESD Wireless Mouse	ESD Mouse
Material	Permanent Antistatic ABS Plastic	
Surface Resistivity	10-10 Ohms /sq	
Friction Voltage	<100 V	
Interface Type	USB	
Color	Black	



MS25-S-001



M24-S-002

ALI Modular Racking System



SS Conductive Nico Pipe: 28mm x 4m



KW101-28RN
SS Nico Pipe
 28mm x 4m
 Thickness Available:
 0.7, 0.8, 1.0 & 1.2 mm



KW101-28BK-ESD
ESD Black Coated Pipe
 28mm x 4m



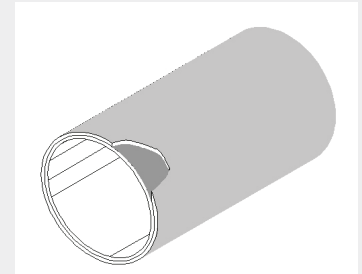
ABS Plastic Coated Pipes
 28mm x 4m

KW101-28BL: Blue
KW101-28GY: Gray
KW101-28GR: Green
KW101-28Ivory: Ivory



ABS Plastic Coated Slide Pipe
 28mm x 4m

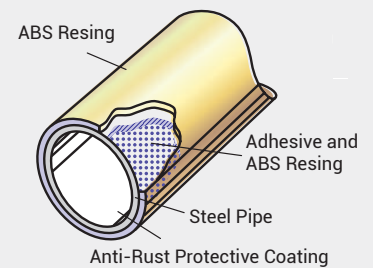
SS PIPE



SUS Rolling Pipe

Benefits of SS Nico Pipe

- 1) 100% Recyclable
- 2) High Strength and Durability
- 3) Oil and Chemical Resistance
- 4) Suitable for Cleanroom Applications
- 5) Conductive



Benefits of Coated Pipe

- 1) Various Colors Available
- 2) Chemical Resistance
- 3) Economical
- 4) Excellent Durability
- 5) ESD in Black Color

Part Number	Type	Ø	Color	Weight	Length	HV
KW101-28RN-.07	SS Pipe	28	Silver	460g/m	4m	210
KW101-28RN-.08	SS Pipe	28	Silver	520g/m	4m	210
KW101-28RN-1.0	SS Pipe	28	Silver	755g/m	4m	210
KW101-28RN-1.2	SS Pipe	28	Silver	780g/m	4m	210
KW101-28BK-ESD	Coated ESD Pipe	28	Black	700g/m	4m	90
KW101-28Ivory	Coated Pipe	28	IV, GR, BL	700g/m	4m	90
KW101-28FL	Slide Pipe	28	IV, GR, BL	770g/m	4m	90
KW101-32RN	STS Pipe	28	Silver	660g/m	4m	210

ALI Black Coated Metal Connectors for 28mm Pipe

B-01



B-02



SPECIFICATIONS

Materials	SPCC-1 (2.6t)
Weight	275g/ea AVG
Plating	Nickel /Zinc /Black

B-03



B-04



B-05



B-06



B-07



B-07A



B-08



B-09



B-10



ALI Black Coated Metal Connectors for 28mm Pipe

B-11



B-12



B-13A



B-13B



B-14A



B-14B



B-15



B-16



B-17



B-17A



B-18



B-19



B-20




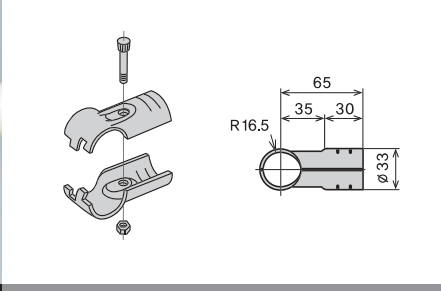

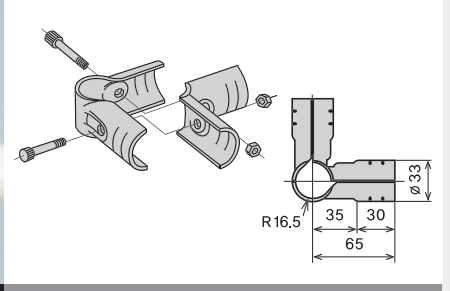

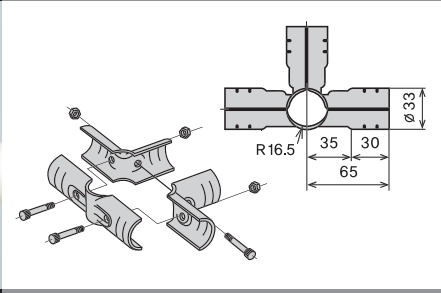

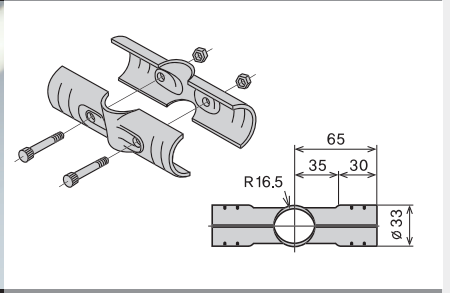

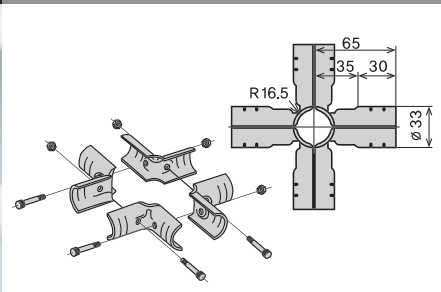

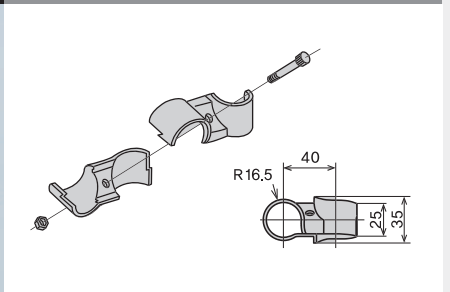

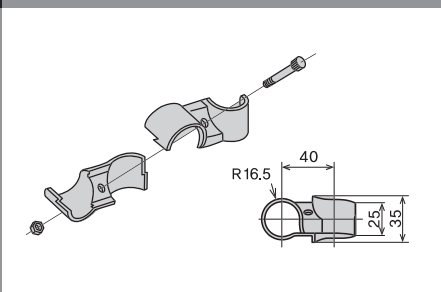

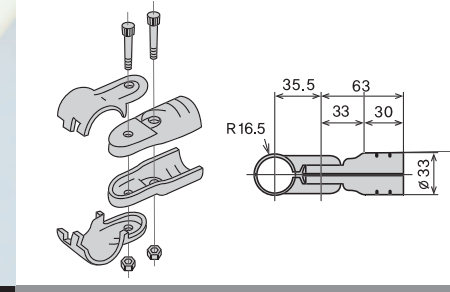
B-21A




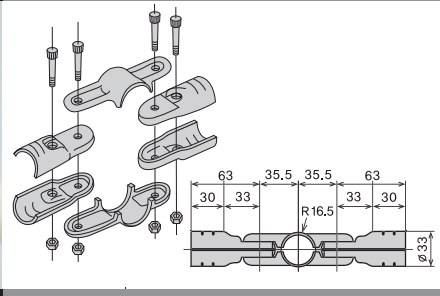

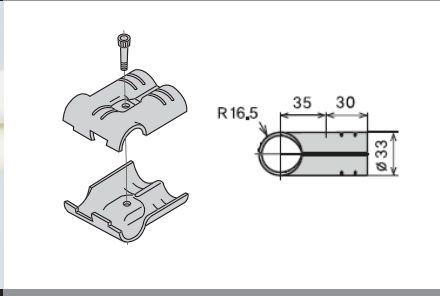

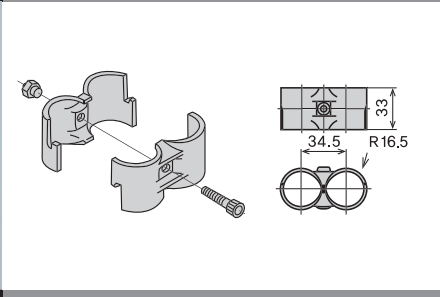

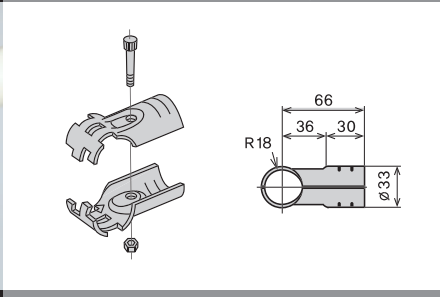

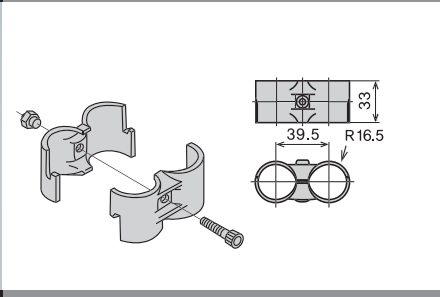

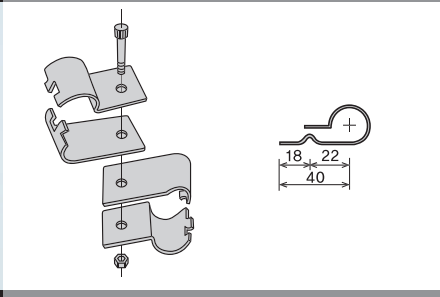

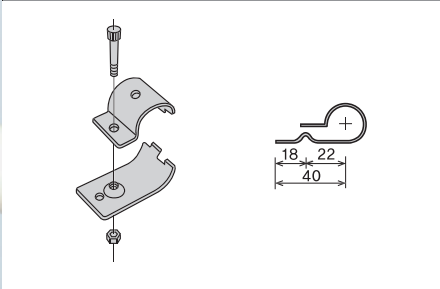

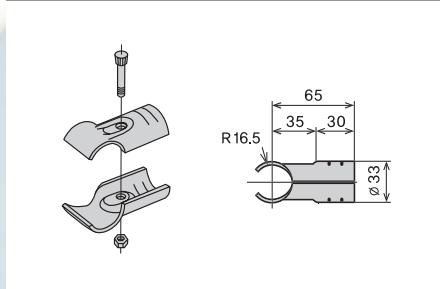
B-21B



ALI Black Coated Metal Connector-Sets for 28mm Pipe

<p>BJ-1</p> 	<p>B-1: 2Pcs Bolt and nut: 1 set</p> 	<p>BJ-2</p> 	<p>B-2: 1Pc B-3: 1Pc Bolt and nut: 2 sets</p> 
<p>BJ-3</p> 	<p>B-2: 2Pcs B-4: 1Pc Bolt and nut: 3 sets</p> 	<p>BJ-4</p> 	<p>B-4: 2Pcs Bolt and nut: 2 sets</p> 
<p>BJ-5</p> 	<p>B-2: 4Pcs Bolt and nut: 4 sets</p> 	<p>BJ-6</p> 	<p>B-7: 2Pcs Bolt and nut: 1 set</p> 
<p>BJ-6A</p> 	<p>B7A: 2Pcs Bolt and nut: 1 set</p> 	<p>BJ-7</p> 	<p>B-5: 2Pcs B-6: 2Pcs Bolt and nut: 2 sets</p> 

ALI Black Coated Metal Connector-Sets for 28mm Pipe

<p>BJ-8</p> 	<p>B-8: 2Pcs B-6: 4 Pcs Bolt and nut: 4 sets</p> 	<p>BJ-9</p> 	<p>B-9: 2Pcs Bolt and nut: 1 set</p> 
<p>BJ-10</p> 	<p>B-10: 2Pcs Bolt and nut: 1set</p> 	<p>BJ-11</p> 	<p>B-11: 2Pcs Bolt and nut: 1set Plastic Bushing</p> 
<p>BJ-12</p> 	<p>B-12: 2Pcs Bolt and nut: 1 set</p> 	<p>BJ-13</p> 	<p>B-13A: 2Pcs B-13B: 2Pcs Bolt and nut: 1 set</p> 
<p>BJ-14</p> 	<p>B-14A: 1Pc B-14B: 2Pcs Bolt: 1 Pc (M6 x 10)</p> 	<p>BJ-15</p> 	<p>B-15: 2Pcs Bolt and nut: 1 set</p> 

ALI Black Coated Metal Connector-Sets for 28mm Pipe

BJ-16 B-16: 2Pcs Bolt and nut: 1 set

BJ-17 B-17: 2Pcs Plastic Bushing: 2Pcs Bolt and nut: 1 set

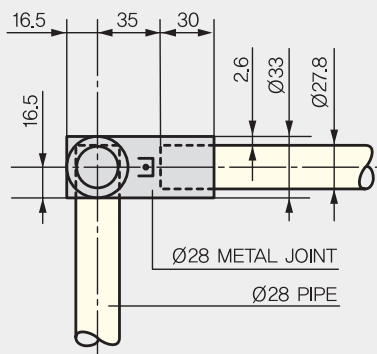
BJ-17A B-17A: 2Pcs Plastic Bushing: 1Pc Bolt and nut: 1 set

BJ-18 B-18: 2Pcs Bolt and nut: 1 set

BJ-19 B-19: 2Pcs Bolt and nut: 1 set

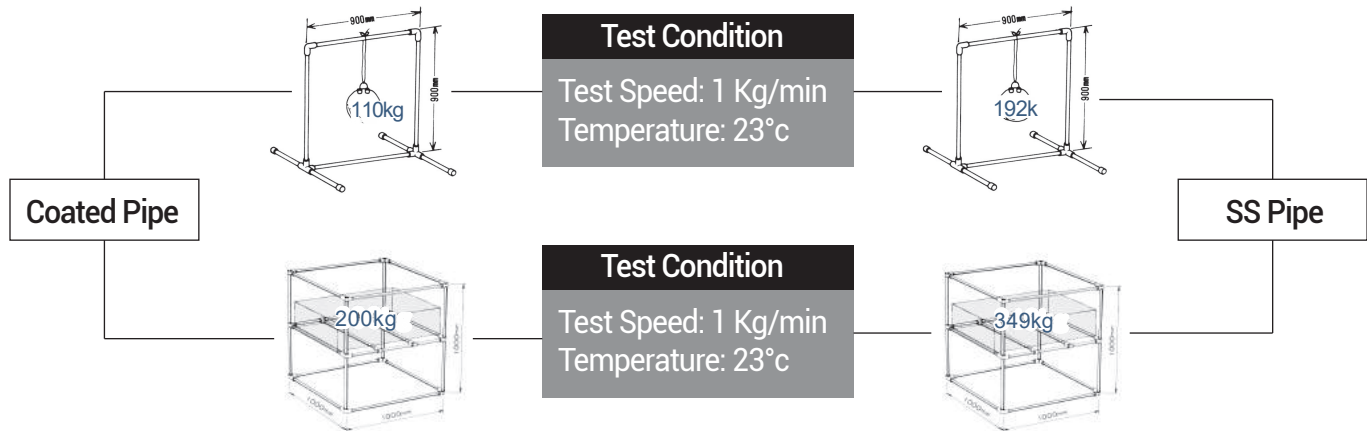
BJ-20 B-20: 2Pcs Bolt and nut: 1 set

BJ-21 B-21A: 1Pc B-21B: 1Pc Bolt and nut: 1 set

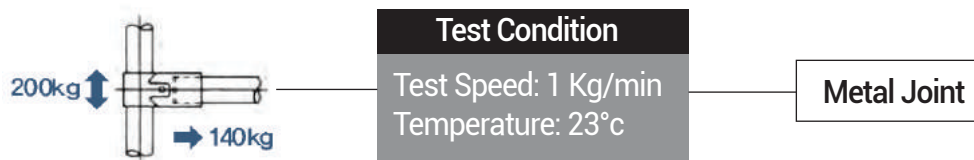


ALI 28mm Pipe Load Capacity

Pipe Load Capacity



Metal Joint Set Load Capacity



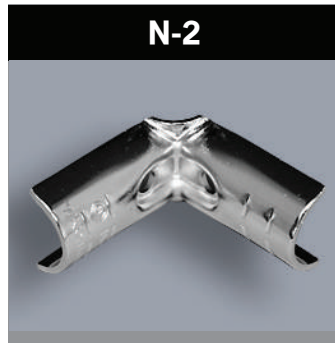
Conveyor Frame Load Capacity

Conveyor Type	Roller dia.	Length	Load
40 Type	33	1,000 mm	130 kgf
60 Type	16	1,000 mm	150 kgf
80 Type	35	1,000 mm	250 kgf
Test Condition	Test Speed: 5 mm/ min - Temperature: 23°C		

Conveyor Roller Load Capacity

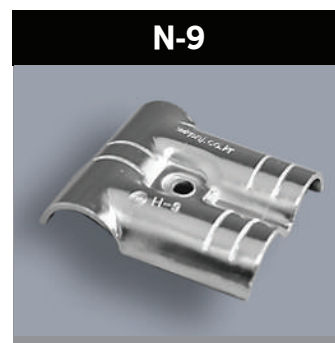
Conveyor Type	Roller dia.	Load
40 Type	33	170 kgf
60 Type	16	240 kgf
80 Type	35	270 kgf
Test Condition	Temperature: 23°C	

ALI Conductive Metal Connectors for 28mm Pipe



SPECIFICATIONS

Materials	SPCC-1 (2.6t)
Weight	275g/ea AVG
Plating	Nickel /Zinc /Black



ALI Conductive Metal Connectors for 28mm Pipe

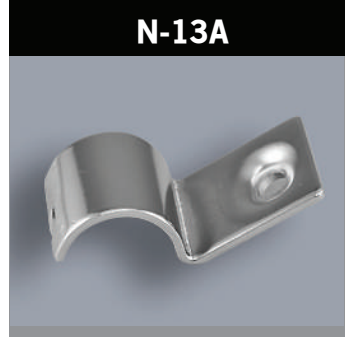
N-11



N-12



N-13A



N-13B



N-14A



N-14B



N-15



N-16



N-17



N-17A



N-18



N-19



N-20



N-21A



N-21B



ALI Conductive Metal Connectors for 28mm Pipe-Sets

NJ-1 N-1: 2Pcs Bolt and nut: 1 set

NJ-2 N-2: 1Pc N-3: 1Pc
Bolt and nut: 2 set

NJ-3 N-2: 2Pcs N-4: 1Pc
Bolt and nut: 3 set

NJ-4 N-4: 2Pcs Bolt and nut: 2 sets

NJ-5 N-2: 4Pcs Bolt and nut: 4 sets

NJ-6 N-7: 2Pcs Bolt and nut: 1 set

NJ-6A N-7A: 2Pcs Bolt and nut: 1 set

NJ-7 N-5: 2Pcs N-6: 2Pcs
Bolt and nut: 2 sets

ALI Conductive Metal Connectors for 28mm Pipe-Sets

NJ-8 N-8: 2Pcs N-6: 4Pcs
Bolt and nut: 2 sets

NJ-9 N-9: 2Pcs Bolt and nut: 1 set

NJ-10 N-10: 2Pcs Bolt and nut: 1 set

NJ-11 N-11: 2Pcs Bolt and nut: 1 set
Plastic Bushing

NJ-12 N-12: 2Pcs Bolt and nut: 1 set

NJ-13 N-13A: 2Pcs N-13B: 2Pcs
Bolt and nut: 1 set

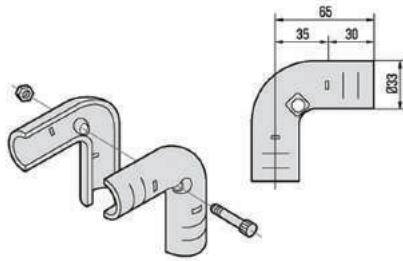
NJ-14 N-14A: 1Pc N-14B: 1Pc
Bolt: 1 Pc (M6 x10)

NJ-15 N-15: 2Pcs Bolt and nut: 1 set

ALI Conductive Metal Connectors for 28mm Pipe-Sets

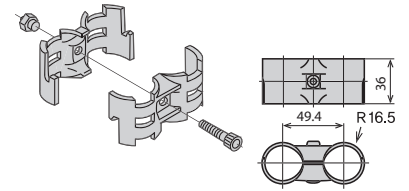
NJ-16

N-16: 2Pcs Bolt and nut: 1 set



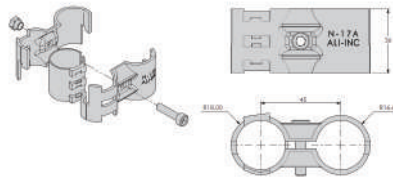
NJ-17

N-17: 2Pcs Bolt and nut: 1 set
1 Plastic Bushing



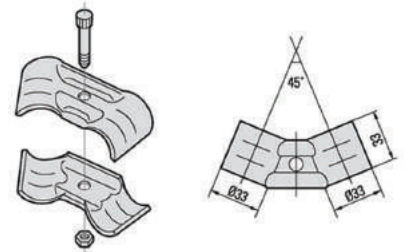
NJ-17A

N-17A: 2Pcs Bolt and nut: 1 set
1 Plastic Bushing



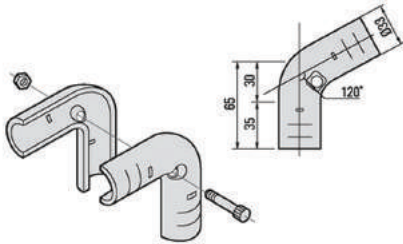
NJ-18

N-11: 2Pcs Bolt and nut: 1 set



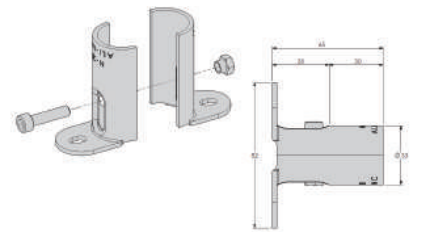
NJ-19

N-19: 2Pcs Bolt and nut: 1 set



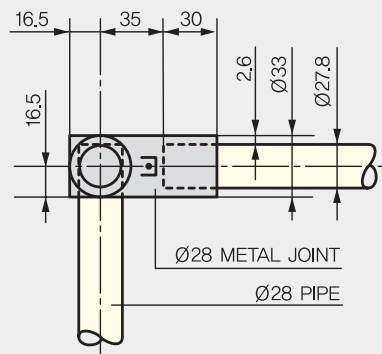
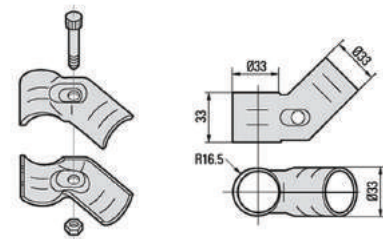
NJ-20

N-20: 2Pcs Bolt and nut: 1 set

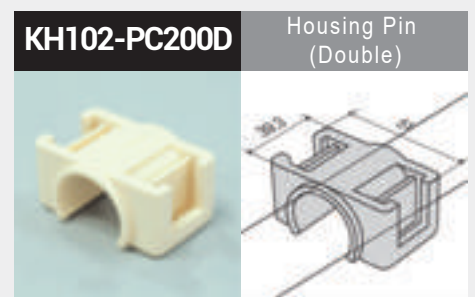
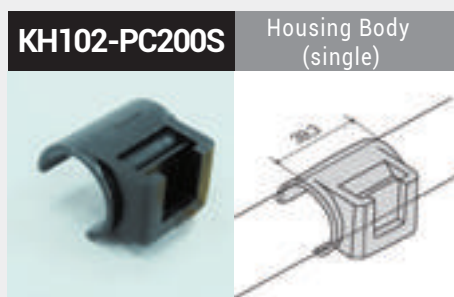
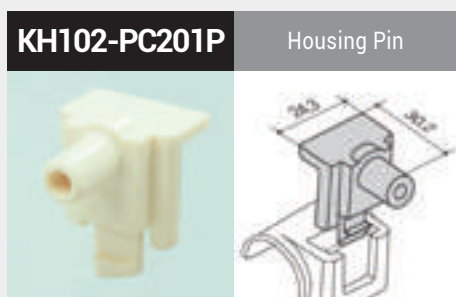
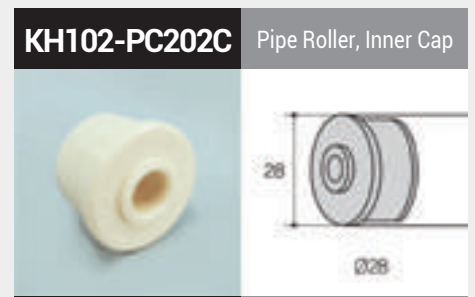
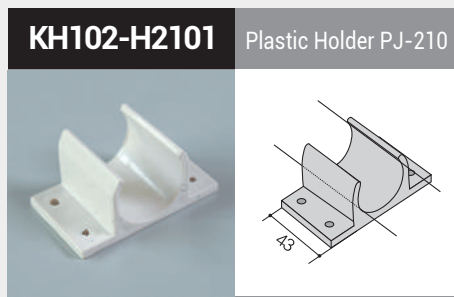
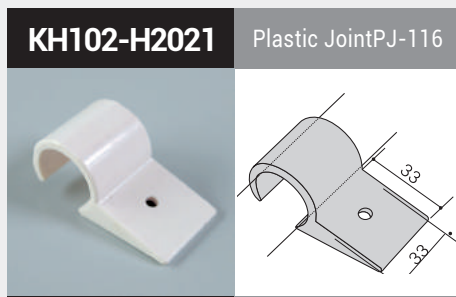
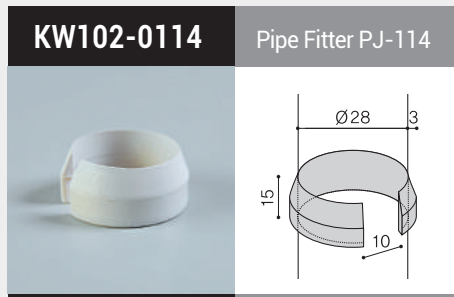
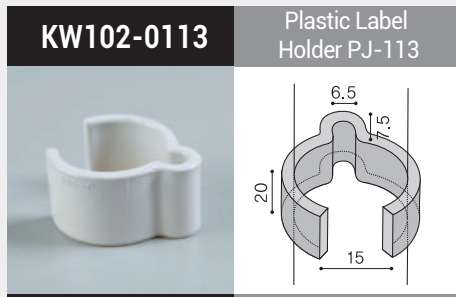
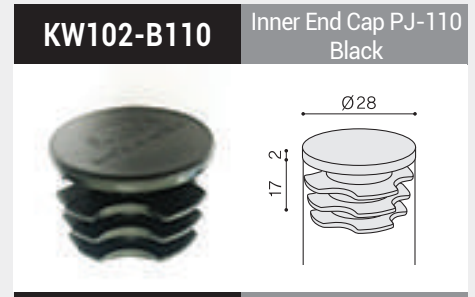
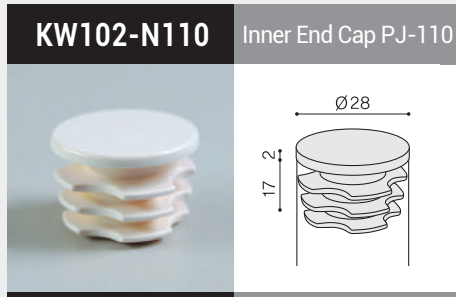


NJ-21

N-21A: 1Pc N-21B: 1Pc
Bolt : 1 Pc (M6 x10)



ALI Plastic Accessories / Connectors for 28mm Pipe

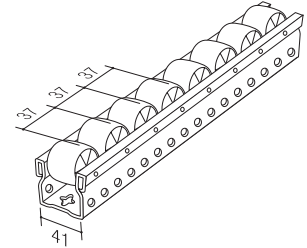
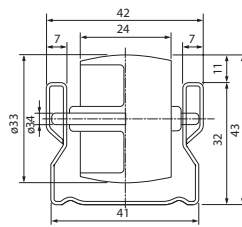


ALI Roller Conveyor 40/60/80 Type

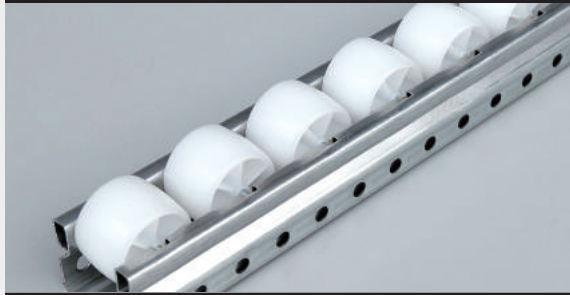
KW105-40TP



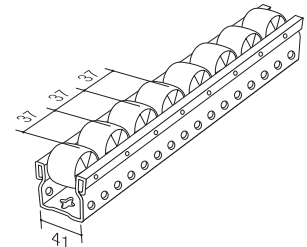
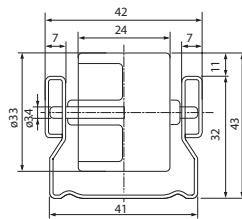
40mm Black Roller Conveyor, Length: 4 meters



KW105-40TP-W



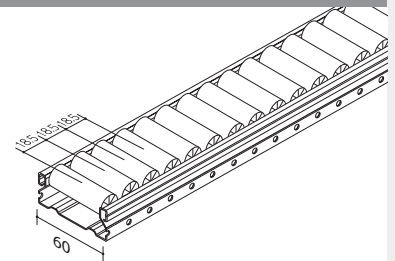
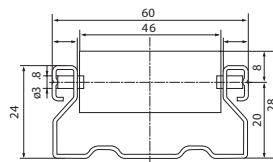
40mm White Roller Conveyor, Length: 4 meters



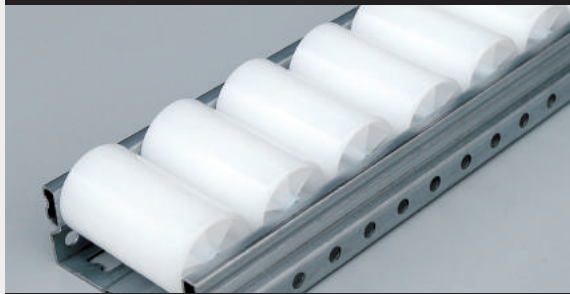
KW105-60TP



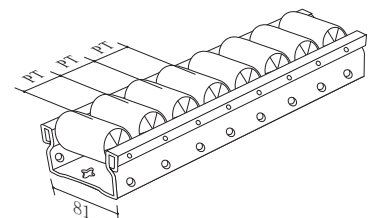
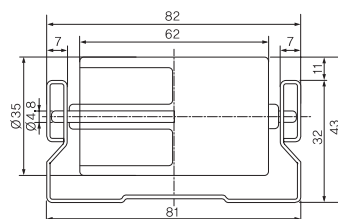
60mm White Roller Conveyor, Length: 4 meters



KW105-80TP



80mm White Roller Conveyor, length: 4 meters

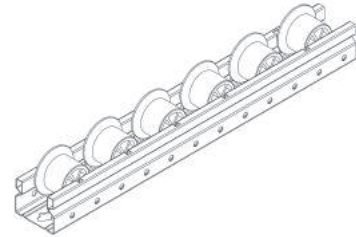
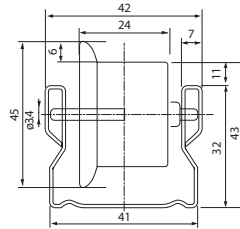


ALI ESD Roller Conveyor, 40 Type

KW105-M40GW



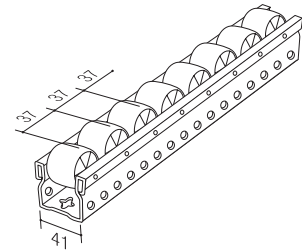
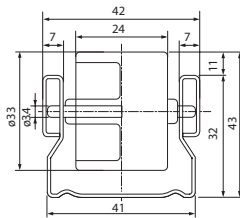
40mm ESD Guide Roller Conveyor, length: 4 meters



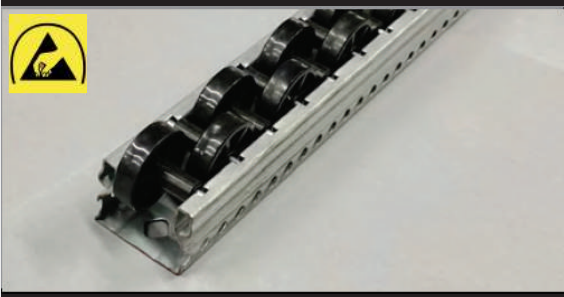
KW105-40TP-ESD



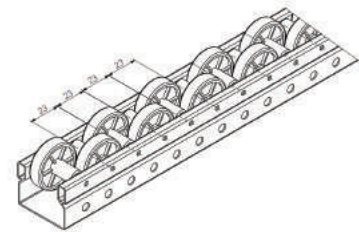
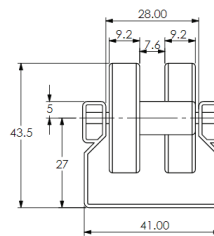
40mm ESD Roller Conveyor, Length: 4 meters



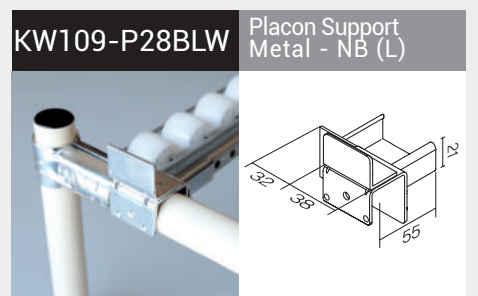
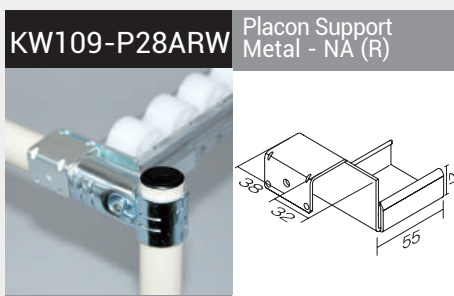
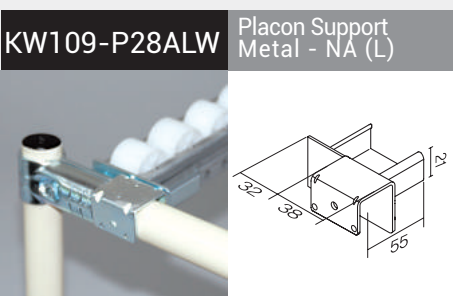
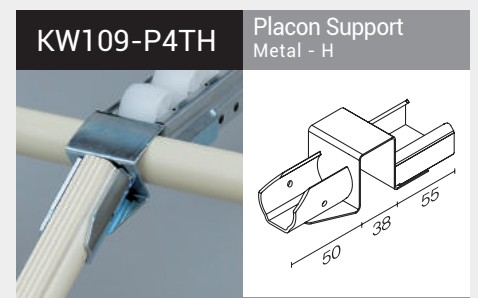
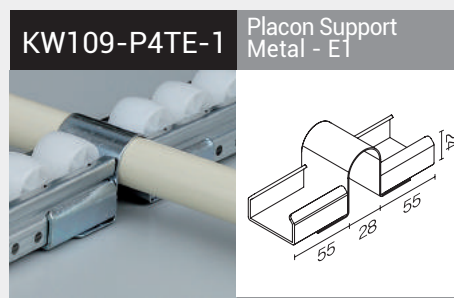
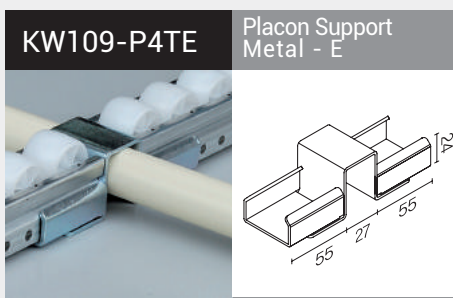
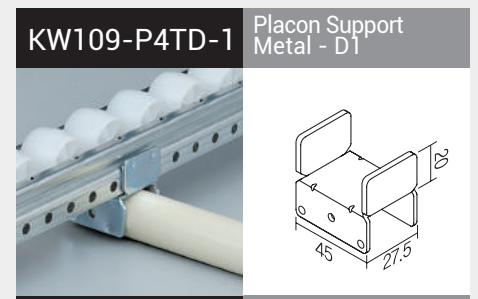
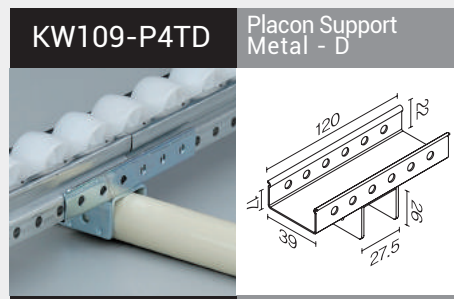
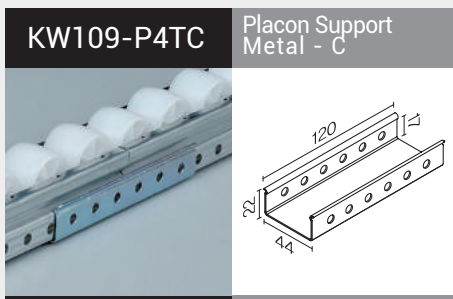
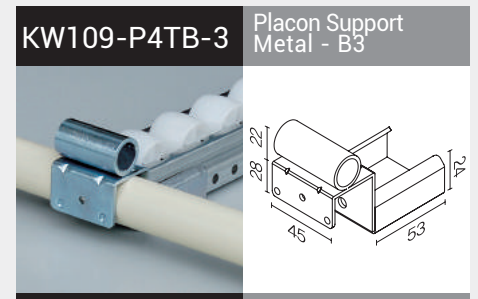
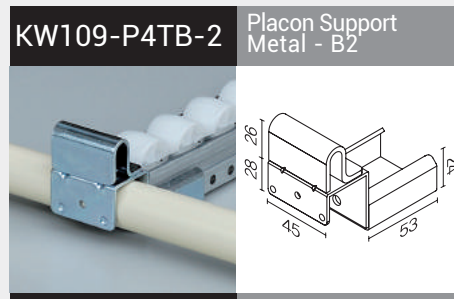
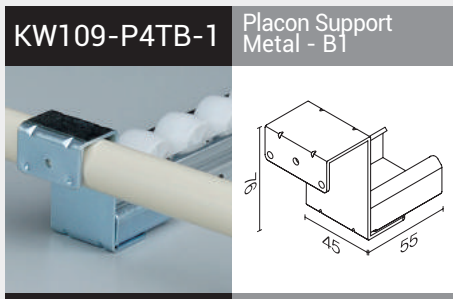
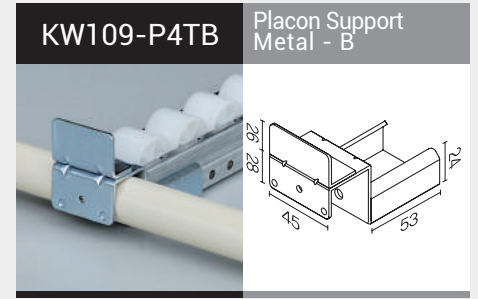
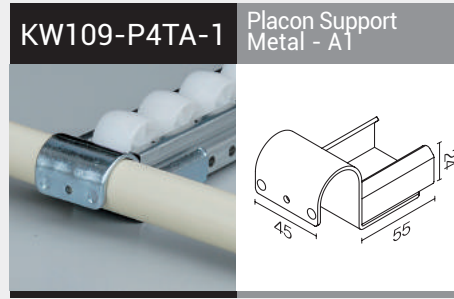
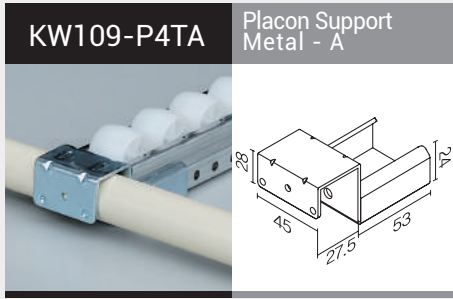
KW105-M40MR-ESD



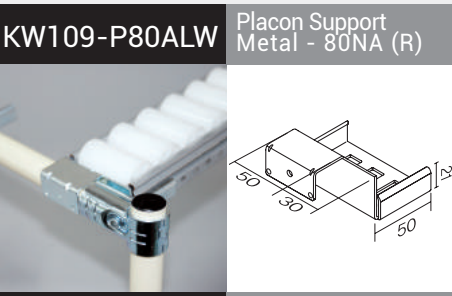
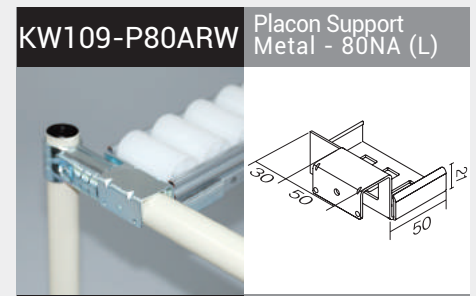
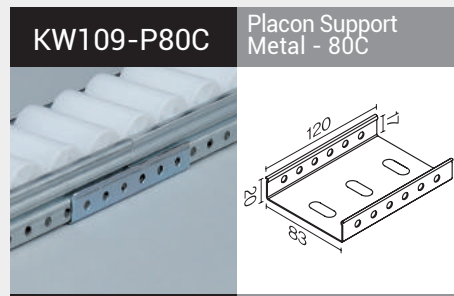
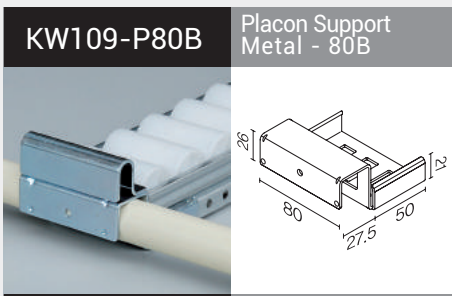
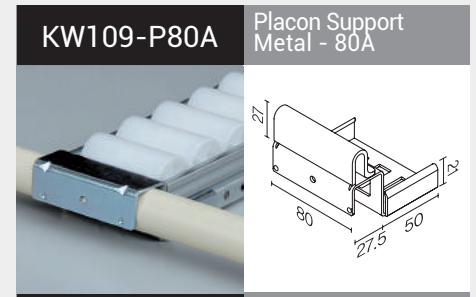
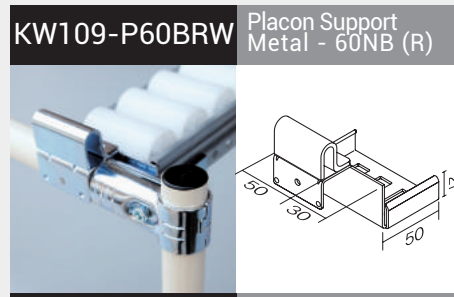
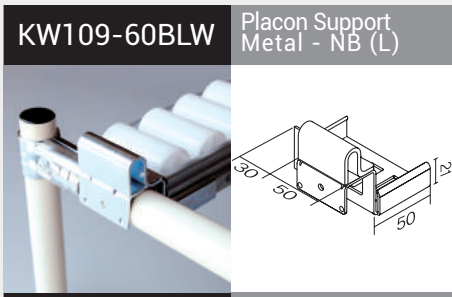
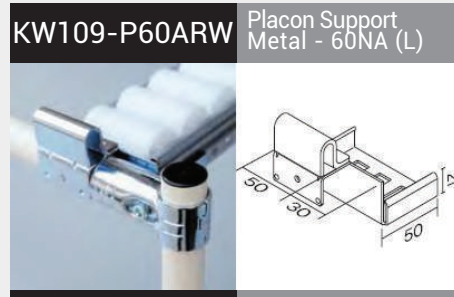
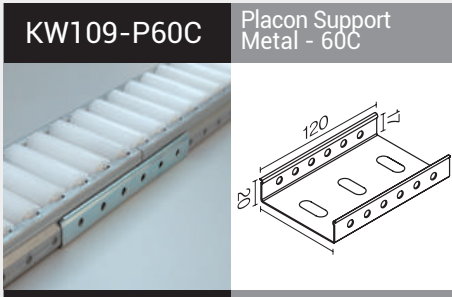
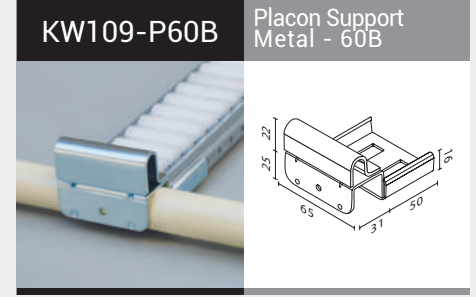
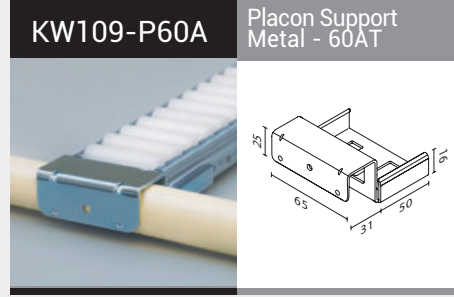
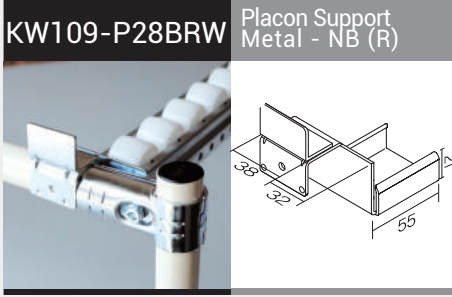
40mm ESD Multi-Roller Coveyor, Length: 4 meters



ALI Roller Conveyor Mounting Brackets



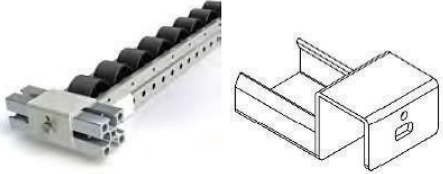
ALI Roller Conveyor Mounting Brackets



ALI Roller Conveyor Mounting Brackets for Aluminum

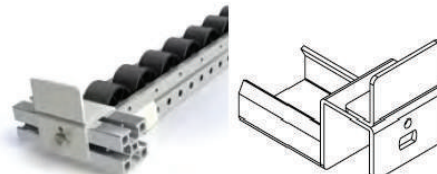
PS-30X30A

Placon Support
For profile 30x30



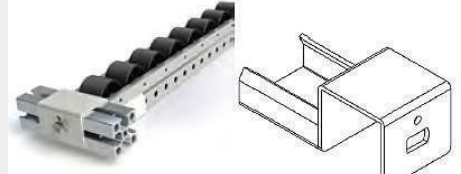
PS-30X30B

Placon Support
For profile 30x30



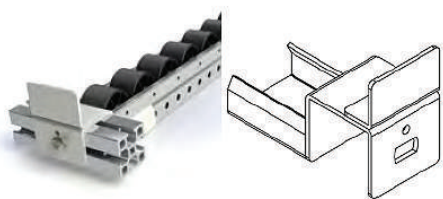
PS-40X40A

Placon Support
For profile 40x40



PS-40X40B

Placon Support
For profile 40x40



ALI-SCAN-H

ESD Acrylic Scan
Holder

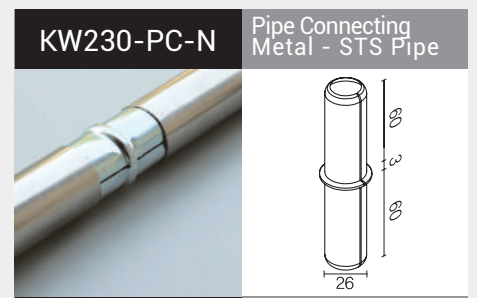
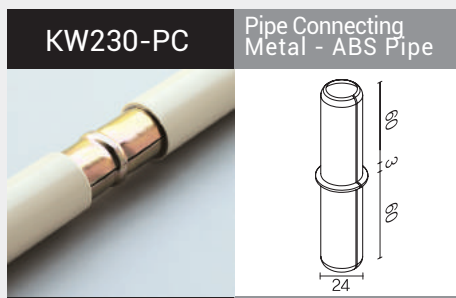
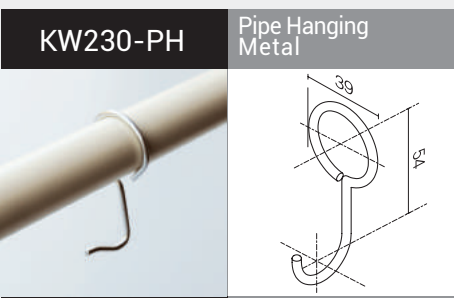
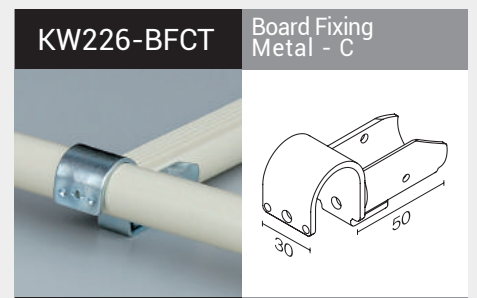
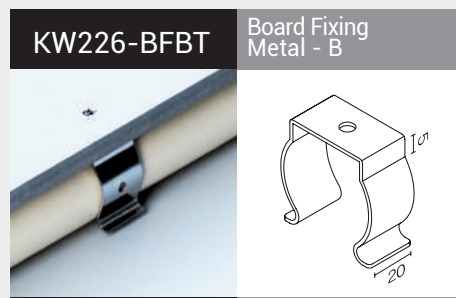
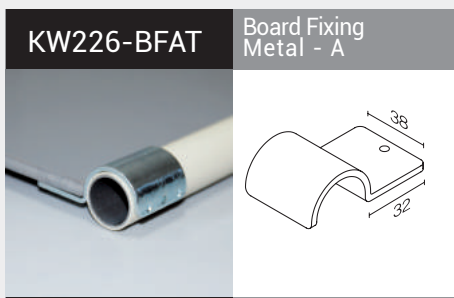
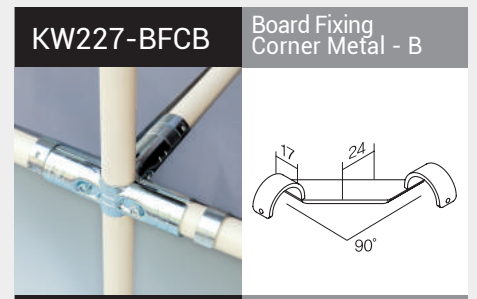
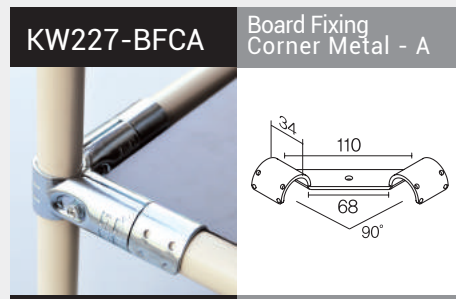
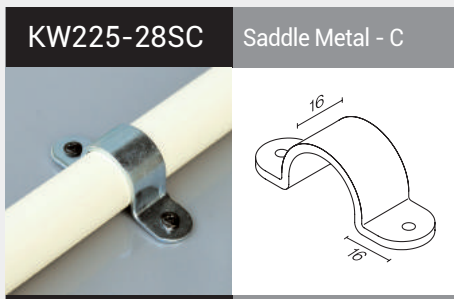
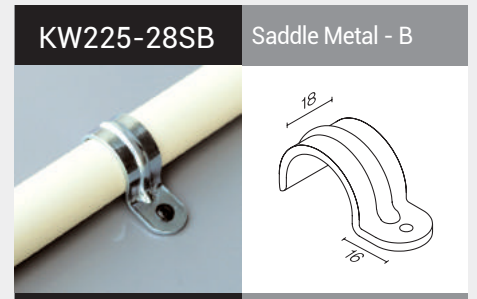
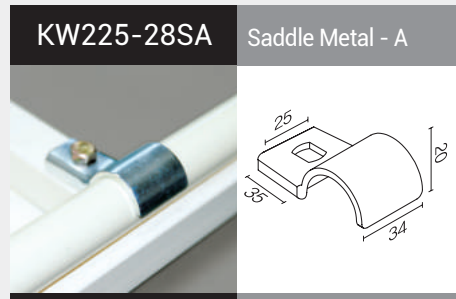
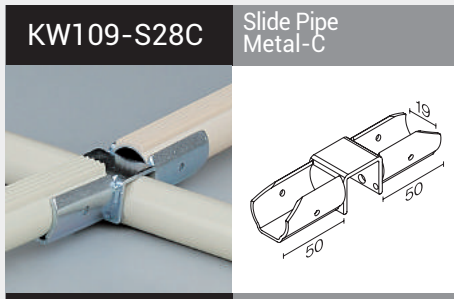
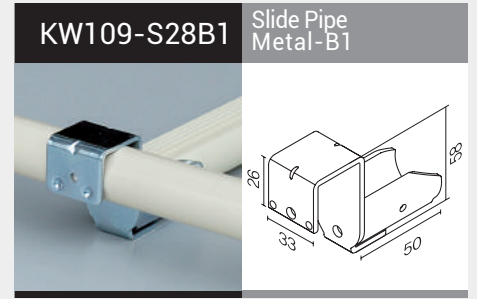
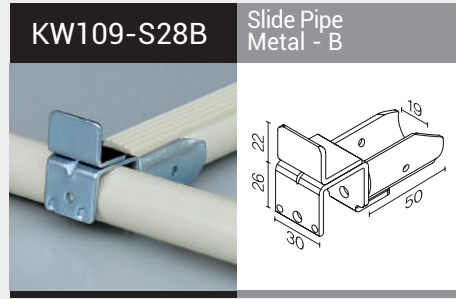
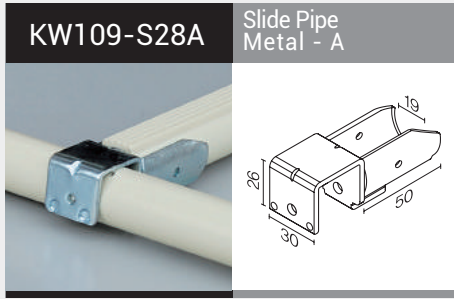


ALI-TR20HD




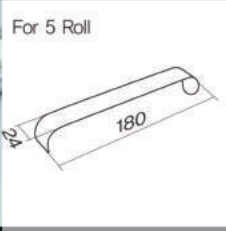

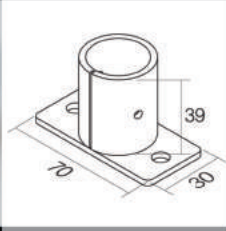




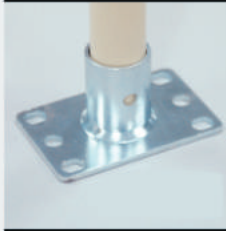
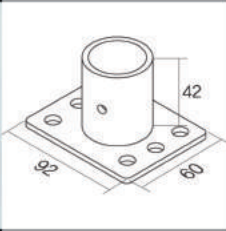

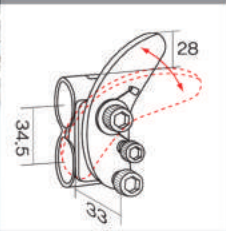

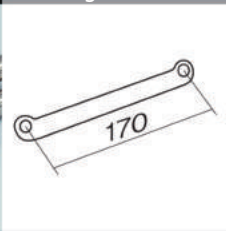

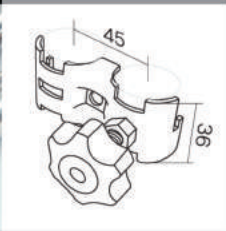
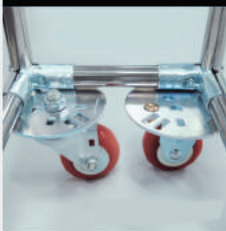
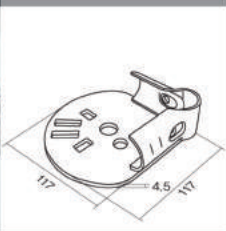

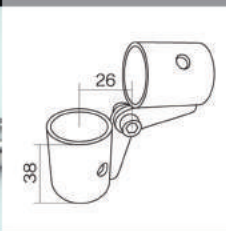
Placon Support
Metal-60NA (R)



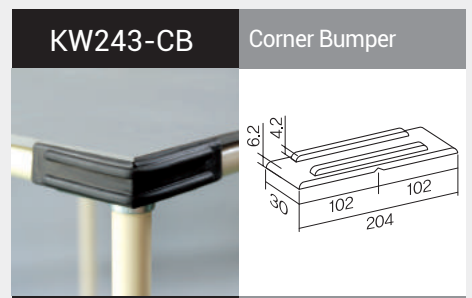
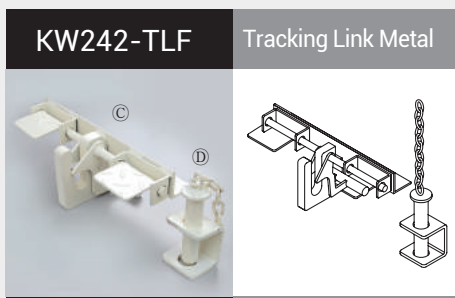
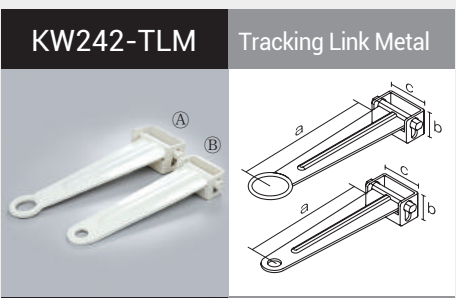
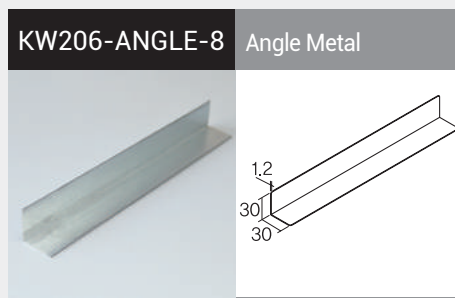
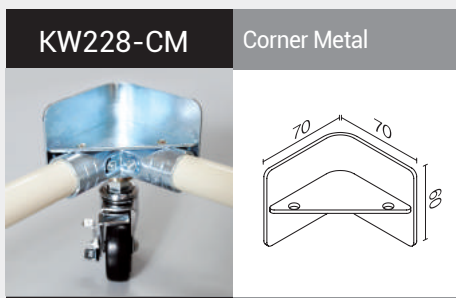
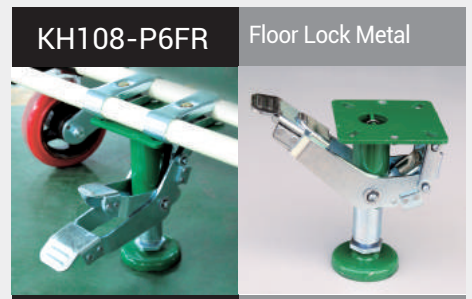
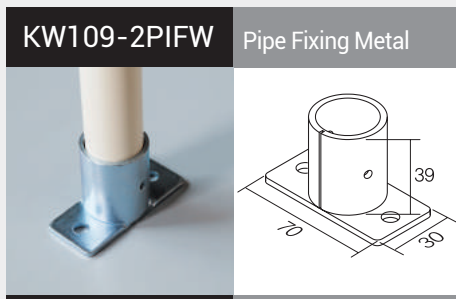
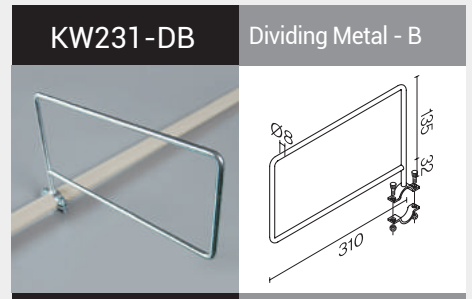
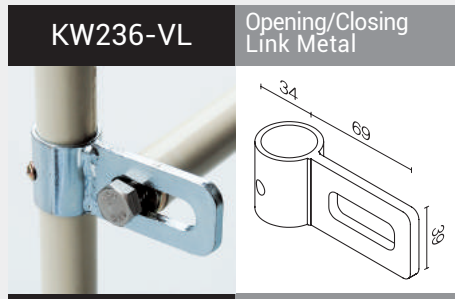
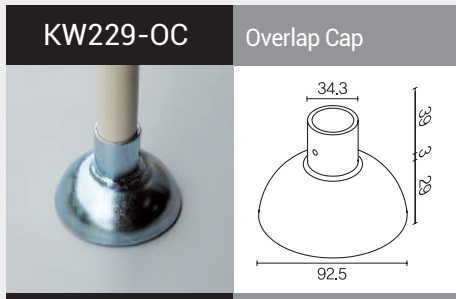
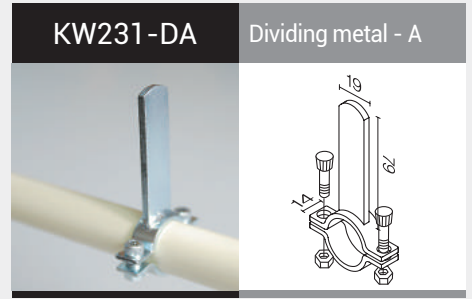
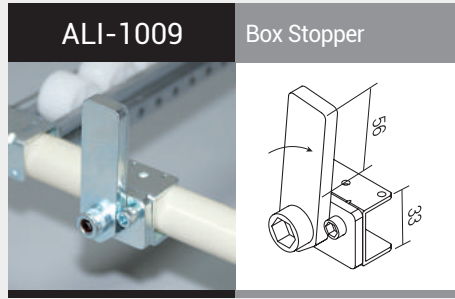
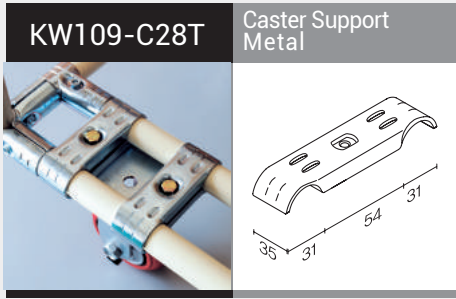
ALI Spare Parts & Accessories



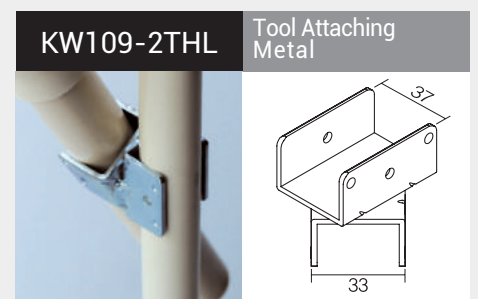
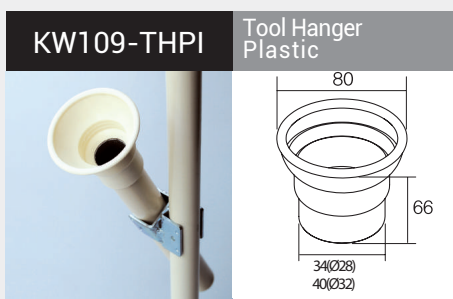
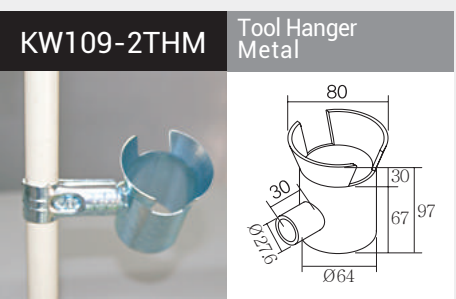
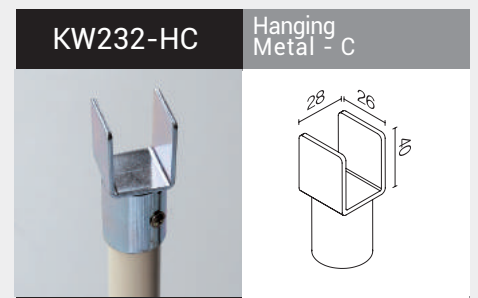
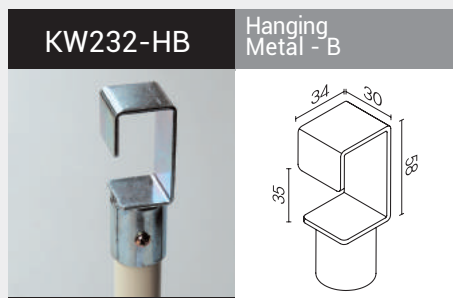
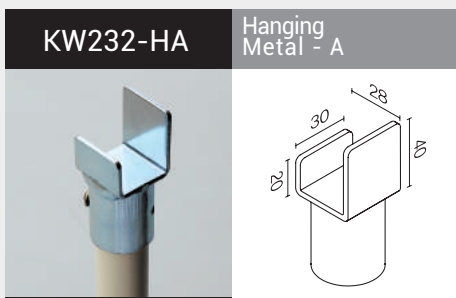
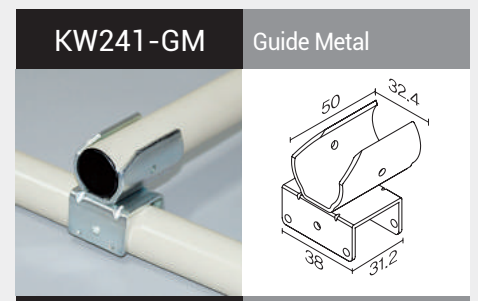
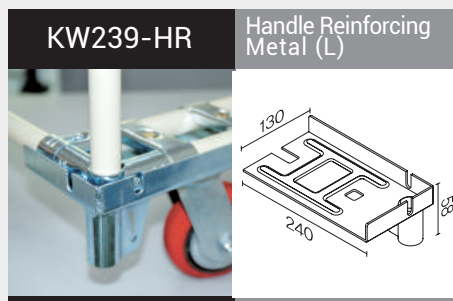
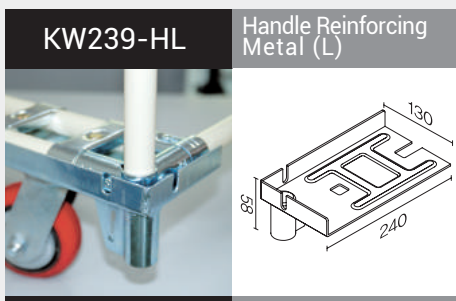
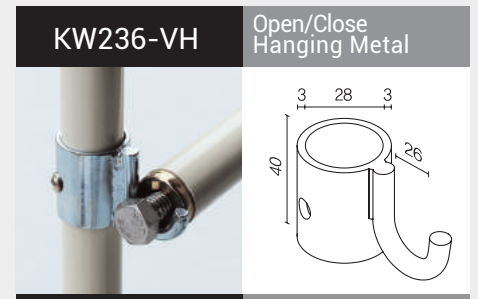
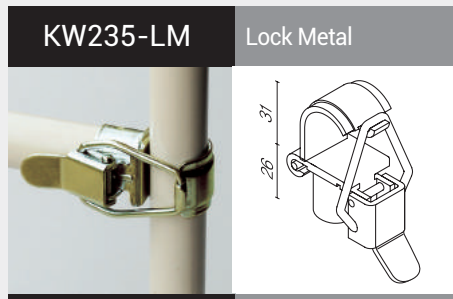
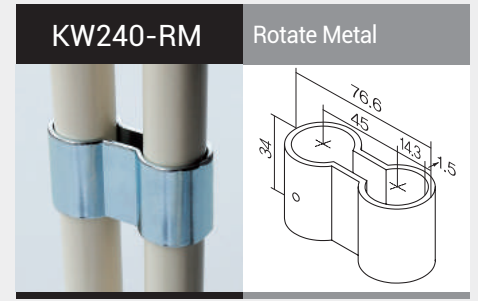
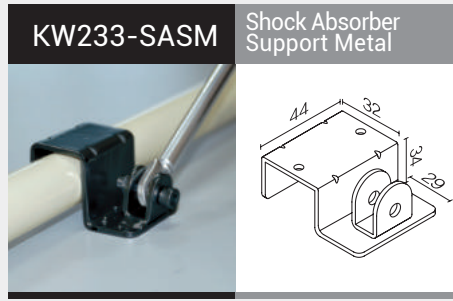
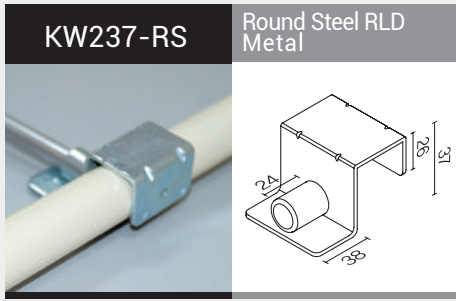
ALI Spare Parts & Accessories

KJ109-GPB3	Placon Brake 3	KJ109-GPB5	Placon Brake 5	KW109-2PIFW	Pipe Fixing Metal
	For 3 Roll 		For 5 Roll 		
KJ109-GPB3	Guide Placon Brake 3	KJ109-GPB5	Guide Placon Brake 5	KS109-2FFMW	Floor Fixing Metal
	For 3 Roll 		For 5 Roll 		
KP109-20STP	Omni Stopper	KP109-20MSTP	Omni Stopper Linking metal	KP102-2PCMW	Position Control Metal
					
KP109-20MSW	Caster Attached Metal	KP109-2T4MW	Tip Up Metal		
					

ALI Spare Parts & Accessories



ALI Spare Parts & Accessories



ALI Led & Fluorescent Lighting

ALI-LLT24

ALI-LLT48

ALI-FSLT-ASB

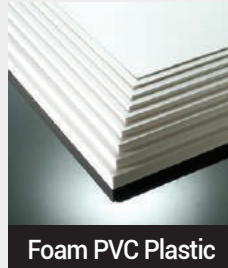


Specifications	ALI-LLT24	ALI-LLT48	ALI-FSLT-ASB
Features	LED Light	LED Light	Fluorescent
Length	24 inch	48 inch	36 inch
Connection	Power Cord Adapter		
Color	Natural White		
Color Temp	4000K	4300K	4100K
Lens	White Diffuser, UV - Stabil (PC)		-
Voltage	100 ~277 Vac		120 ~ 227 V
Power	15 W	40 W	25 W
Current	0.130 A	0.320 A	-
Operation Temp	~-20°C to ~+50°C, IP65, IP68, connct.		
Power Factor	1		
Efficacy	115 lm/W	110 lm/W	-
Lumens	1835 lm	4180 lm	2250 lm
Max Candela	430 cd	1010 cd	-
CRI	>82		>86
Viewing Angle	110° x 150°		-
Accessories Included	8 ft Power Cord 2 Hanging Brackets		2 F25T8 Lamps 8 ft Power Cord

ALI Table Top Material



HDPE Plastic



Foam PVC Plastic

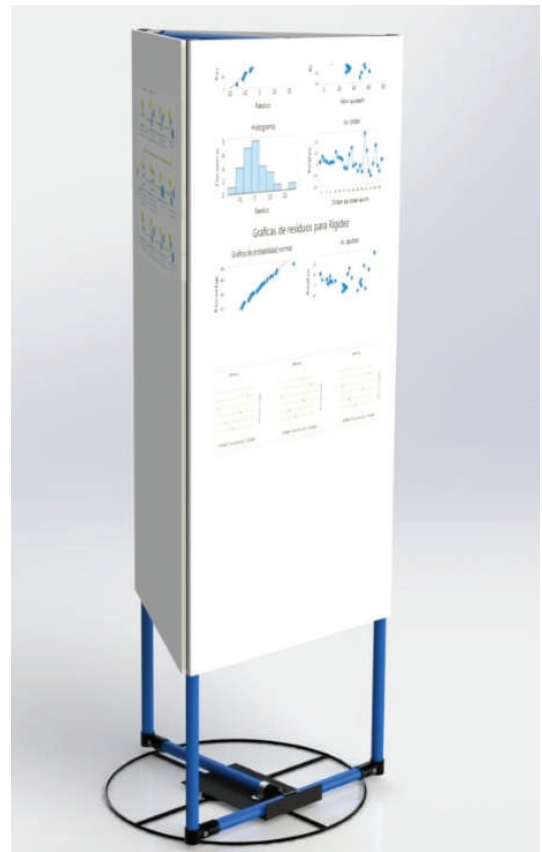


Stainless Steel Sheet



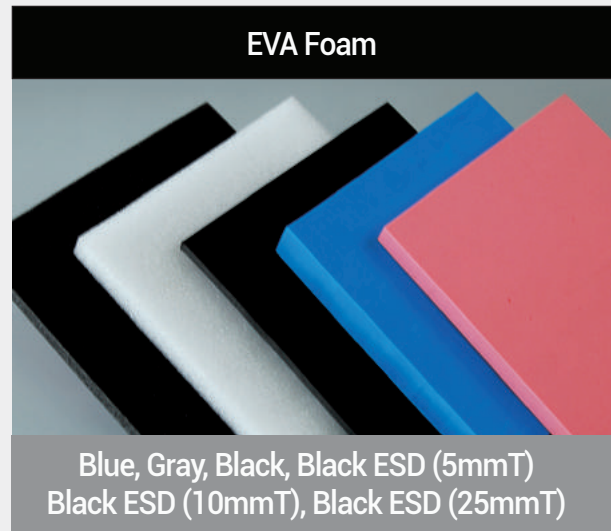
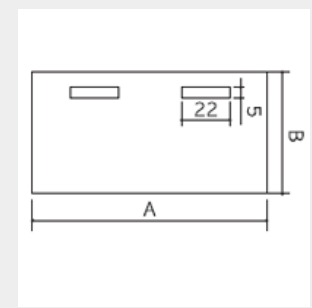
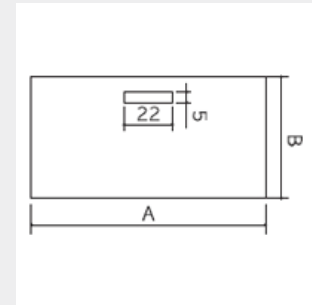
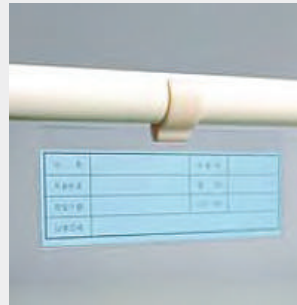
MDP Melamine

Specifications	HDPE Plastic	Foam PVC Plastic	Stainless Steel Sheet	MDP Melamine
Sheet Size	4 x 8 ft	4 x 8 ft	48" x 120"	4 x 8 ft
Thickness	0.25, 0.50, 0.75 inch	0.25, 0.50, 0.75 inch	Different Gages	0.25, 0.50, 0.75 inch
Colors	White, Black	White	-	Different Colors
Material	High Density Polyethylene (HDPE)	Foam Polyvinyl Chloride Sheet	Stainless Steel 304	MDP
Finish	Glossy	-	2B	-

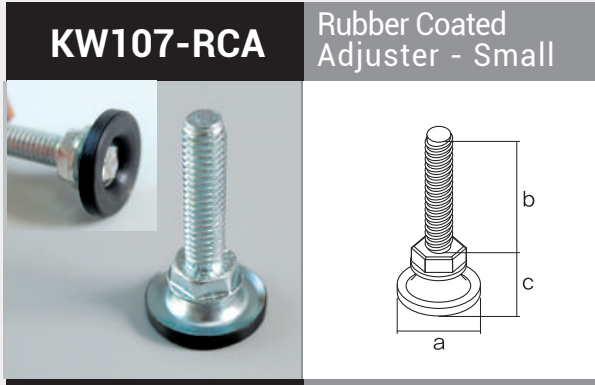


ALI Label holder & ESD EVA Foam

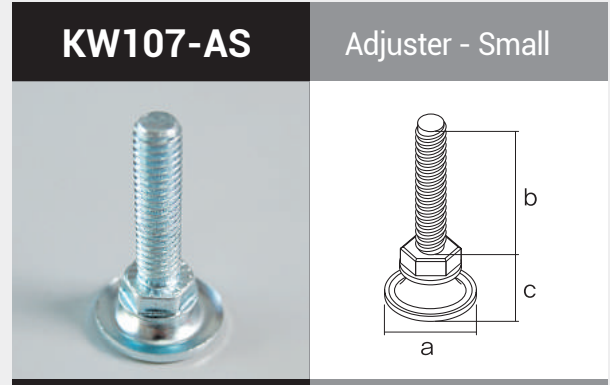
Part Number	A	B	C
KD213-150X60X1	150	60	1
KD213-170X105X1	170	105	1
KD213-170X65X1	170	65	1
KD213-180X85X1	180	85	1
KD213-220X110X12	220	110	2
KD213-260X120X2	260	120	2
KD213-300X120X2	300	120	2
KD213-310X225X2	310	225	2
KD213-60X305X2	60	305	2
KD213-430X320X2	430	320	2
KD213-150X60X1	150	60	1
KD213-430X320X4	430	320	4



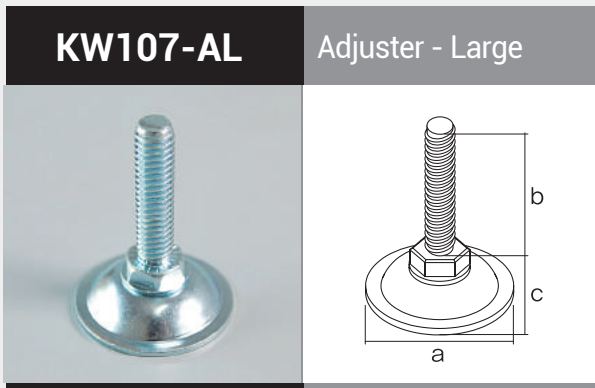
ALI Feet Levelers



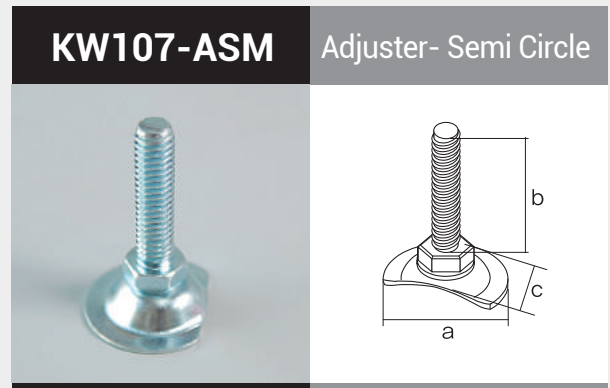
Part Number	A	B	C	Steam Spec.
KW107-RCA	38	50	21	1/2 x 12 UNC



Part Number	A	B	C	Steam Spec.
KW107-AS	38	50	19	1/2 x 12 UNC


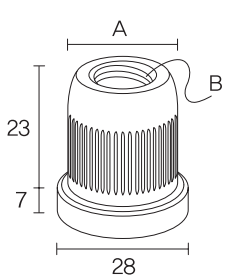

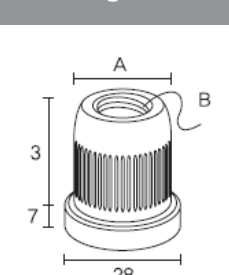



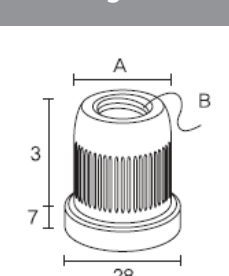

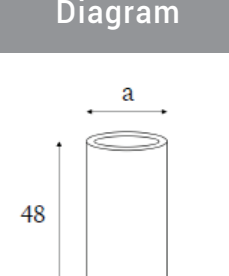
Part Number	A	B	C	Steam Spec.
KW107-AL	55	50	20	1/2 x 12 UNC
KW107-AL-100	38	100	20	1/2 x 12 UNC


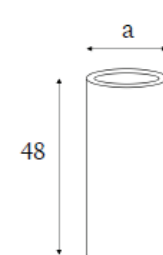

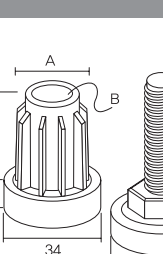



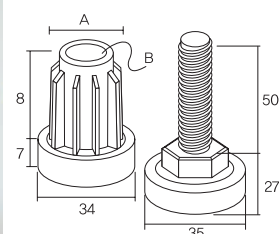

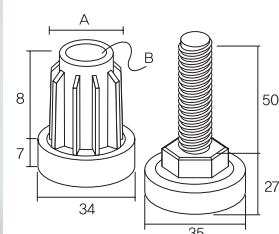
Part Number	A	B	C	Steam Spec.
KW107-ASM	42	50	20	1/2 x 12 UNC

ALI Metal Bushing for Feet Leveler


Metal Bushing	Diagram	Part Number	Classification	A (0)
		KW238-BN3T-A/J	28mm Coated Pipe	24
		B (Thread)		Use for
		1/2 x 12 UNC	2" Bushing for Adjuster	
		KW238-BN3T	28mm Coated Pipe	24
		B (Thread)		Use for
		5/8 x 12 UNC	3" Bushing for 3" Caster	







Metal Bushing	Diagram	Part Number	Classification	A (0)
		KW238-BN3T-A/J-N	28mm SS Pipe	26
		B (Thread)		Use for
		1/2 x 12 UNC	2T" Bushing for Adjuster 3/8	
		KW238-BN3T-N	28mm SS Pipe	26
		B (Thread)		Use for
		5/8 x 12 UNC	3" Bushing for 3" Caster	


Plastic Bushing	Diagram	Part Number	Classification	A (0)
		KW238-RB-21	28mm Coated Pipe	21
		B (Thread)		Use for
		1/2 x 12 UNC	Rubber Bushing for Coated Pipe	
		KW238-RB-25	28mm SS Pipe	25
		B (Thread)		Use for
		1/2 x 12 UNC	Rubber Bushing for SS Pipe	







Plastic Adjuster	Diagram	Part Number	Classification	A (0)
		KW213-PABNK	28mm Coated Pipe	24
		B (Thread)		Use for
			A/D Bolt (Black)	
		KW213-PABNO	28mm SS Pipe	25
		B (Thread)		Use for
			A/D Bolt (Orange)	

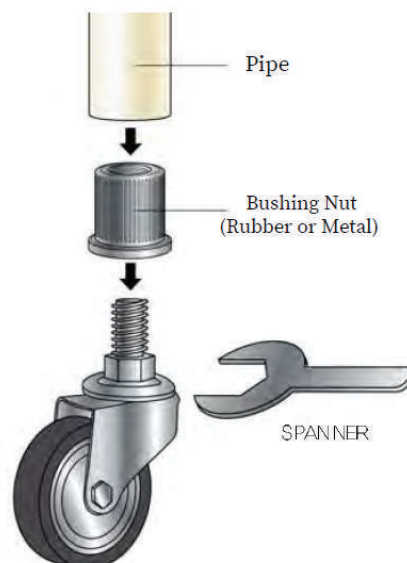
ALI ESD Caster - Stem/ Insert Type



ESD Stem, Swivel Casters with Brake							
Part Number	Desc	 inch	 STEM SPEC	 mm	 mm	 mm	 kg
KS107-S3-BK-ESD	Swivel w/Brake	3"	M12	35	72	110	80
KS107-S4-BK-ESD	Swivel w/Brake	4"	M12	32	86	135	100
KS107-S5-BK-ESD	Swivel w/Brake	5"	M12	32	97	160	120



ESD Stem Casters No Brake							
Part Number	Desc	 inch	 STEM SPEC	 mm	 mm	 mm	 kg
KS107-S3-NB-ESD	Swivel	3"	M12	35	72	110	80
KS107-S4-NB-ESD	Swivel	4"	M12	32	135	100	100
KS107-S5-NB-ESD	Swivel	5"	M12	32	97	160	120









ALI ESD Casters - Plate Type

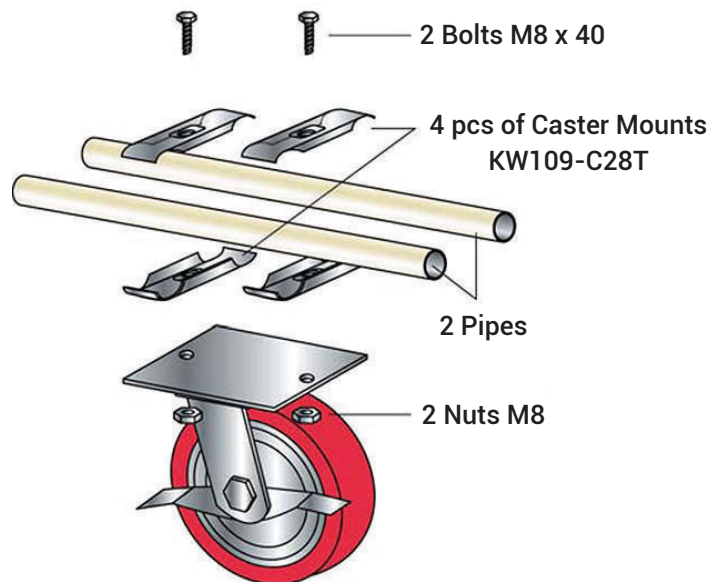
ESD Plate Type Caster, Swivel with Brake

Part Number	Desc	 inch	 mm	 mm	 kg	 mm	 mm
KS108-P3-BK-ESD	Swivel w/Brake	3"	116	108	80	92x62	76.5x44.5
KS108-P4-BK-ESD	Swivel w/Brake	4"	116	132	100	92x62	76.5x44.5
KS108-P5-BK-ESD	Swivel w/Brake	5"	116	157	120	92x62	76.5x44.5

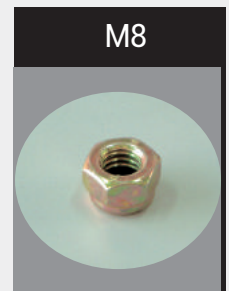
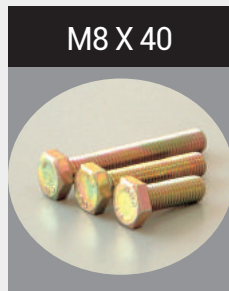
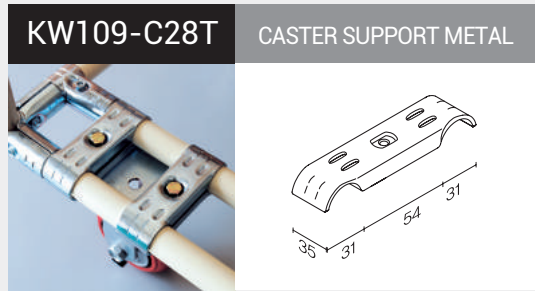
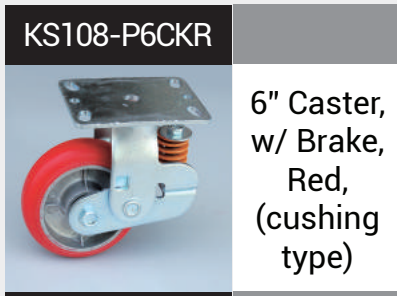


ESD Plate Type Caster, Fixed, No Brake

Part Number	Desc	 inch	 mm	 mm	 kg	 mm	 mm
KS108-P3-FX-ESD	Fixed	3"	116	108	80	92x62	76.5x44.5
KS108-P4-FX-ESD	Fixed	4"	116	132	100	92x62	76.5x44.5
KS108-P5-FX-ESD	Fixed	5"	116	157	120	92x62	76.5x44.5



ALI Heavy Duty Casters & Accessories



Casters Load Capacity

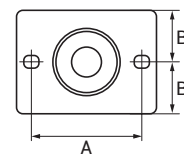
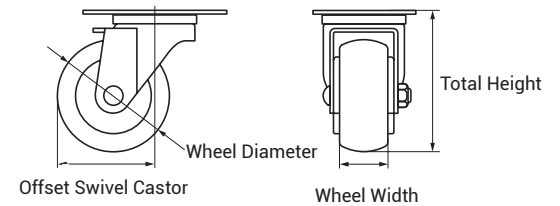
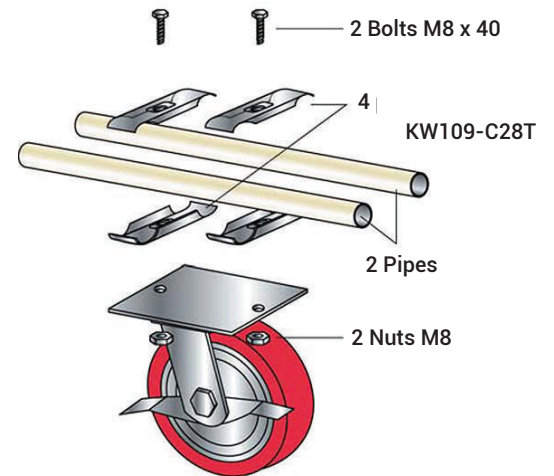
Wheel (mm)	Wheel Width (mm)	Total Height (mm)	Bearing Version (mm)	Load Capacity (kg)	Plate Size (mm)	Bolt Hole Spacing(mm)		Bolt Hole (mm)	Offset (mm)	Wheel Materials
						A	B			
100	38	136	Roller	200	104x84	90	42	9	80	R

Wheel (mm)	Wheel Width (mm)	Total Height (mm)	Bearing Version (mm)	Load Capacity (kg)	Plate Size (mm)	Bolt Hole Spacing(mm)		Bolt Hole (mm)	Offset (mm)	Wheel Materials
						A	B			
125	45	160	Roller	250	120x100	106	50	9	102	R


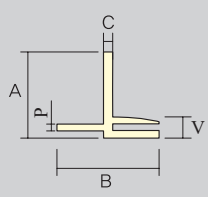
Wheel (mm)	Wheel Width (mm)	Total Height (mm)	Bearing Version (mm)	Load Capacity (kg)	Plate Size (mm)	Bolt Hole Spacing(mm)		Bolt Hole (mm)	Offset (mm)	Wheel Materials
						A	B			
150	48	190	Roller	300	120x100	106	50	9	114	R


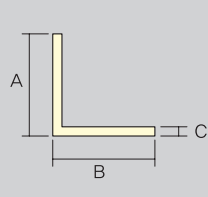
Wheel (mm)	Wheel Width (mm)	Total Height (mm)	Bearing Version (mm)	Load Capacity (kg)	Plate Size (mm)	Bolt Hole Spacing(mm)		Bolt Hole (mm)	Offset (mm)	Wheel Materials
						A	B			
150	48	200	Ball bearing	300	160x115	137	57	12	129	R


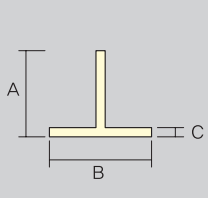
Plate type casters assembly


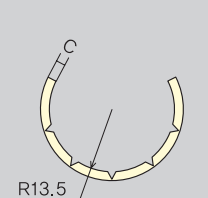



ALI Plastic Angle Accessories

Diving Plastic Angle: 4 Meters	Diagram	Part Number	A	B	C	Color
		KW206-D50x55x3w	50	55	3	White
		KW206-D70x75x3w	70	75	3	White
		KW206-D100x90x3w	100	90	3	White

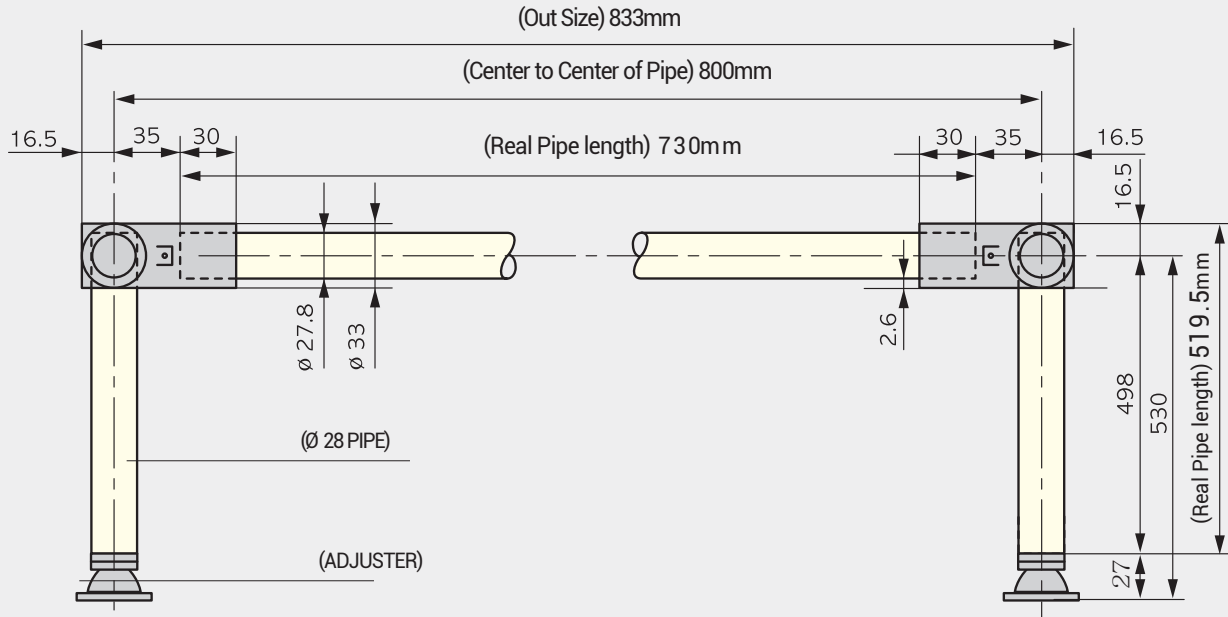
L-Type Plastic Angle: 4 Meters	Diagram	Part Number	A	B	C	Color
		KW206-0001L	30	50	3	White
		KW206-0003L	50	50	5	White
		KW206-0008L	100	50	5	White
		KW206-0009L	50	50	5	White

T-Type Plastic Angle: 4 Meters	Diagram	Part Number	A	B	C	Color
		KW206-T100x60x5w	50	55	3	White

Diving Plastic Angle: 4 Meters	Diagram	Part Number	A	B	C	Color
		KW202-285GY	·	·	33	Gray
		KW202-285 IV	·	·	33	Ivory

Diving Plastic Angle: 4 Meters	Diagram	Part Number	A	B	C	Color
		KW207-A96*1*1	·	·		Silver
		KW207-A96*2*2	·	·		Silver

Technical Specifications - Calculation of Pipe Length



Horizontal Pipe Length Calculation

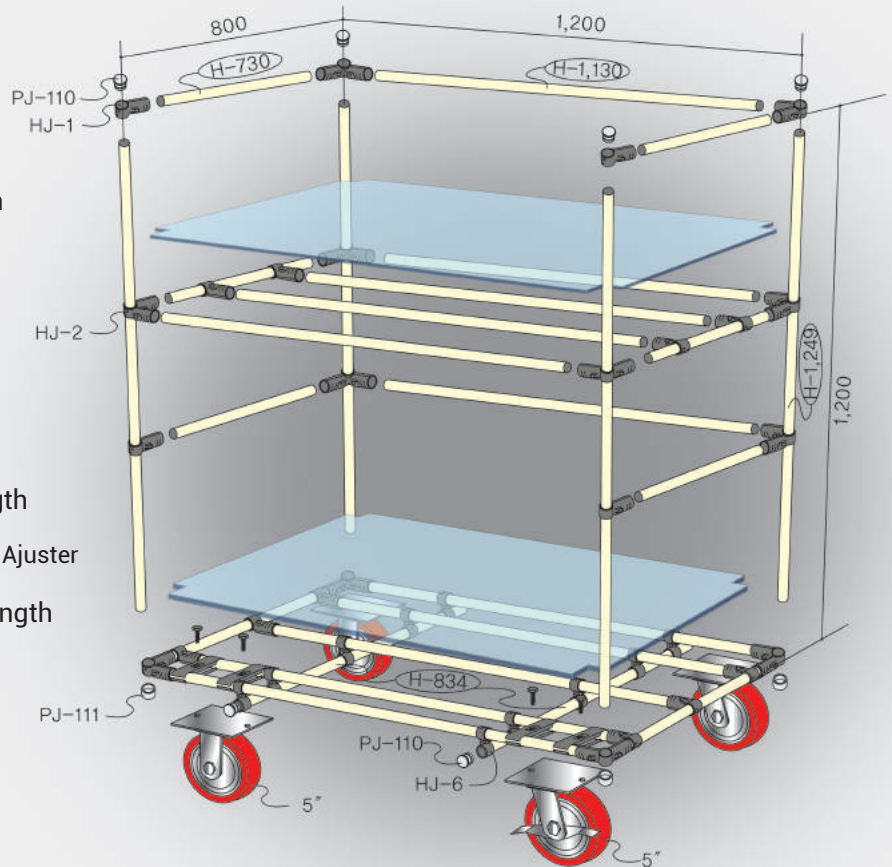
- 800 Center to Center Length
- 70 Pipe Length to Join Center Length

- 730** Actual Pipe Length

Vertical Pipe Length Calculation

- 530 Adjuster End to Joint Center Length
- 27 Length Between the End Pipe and of Adjuster
- +16.5 Center of Joint to End of Joint Length

- 519.5** Actual Pipe Length



ALI Tools & Fasteners

M6 x 25



Bolt for Metal Joints

M8 x 25



Bolt for Caster Mount

M6



T- Nut for Metal joints

M8



Nut for Caster Mount

1132125



Flat Head Self-drilling Screw

0148422



Self-drilling Screw

76458918



Hand Deburring Tool

83671800



5m Metric Tape Measure

23331760



5mm Allen Hex Key

ALI-007



Rubber Mallet

ALI-1052W



Spanner Key

ALI-1086



Pipe Hand Cutter

70101704



Power Strip; 36" L, 12 Outlets

70231845



Bin Holder Panel
35-3/4" x 5/16" x 19"

30148



Bin Holder, 48" L,
110 Lbs Capacity

ALI-TR20HD



Tool Rail Heavy Duty

Display Boards, Flow Racks, Workstation, Push Carts & Production Lines

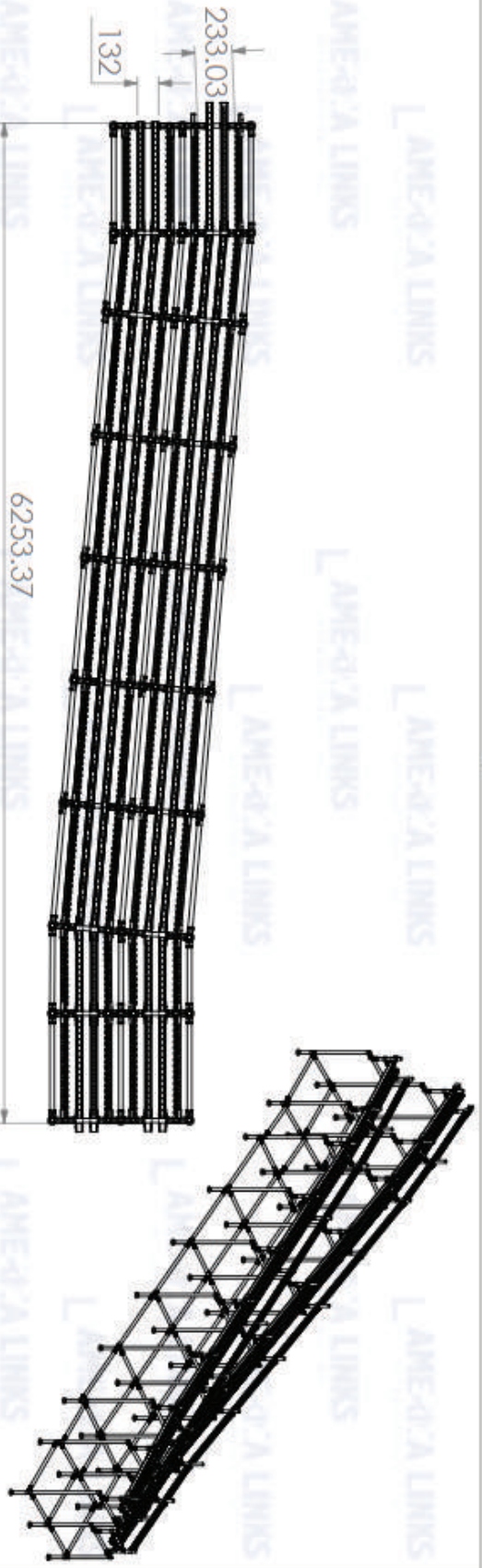


ALI 3D Design Services



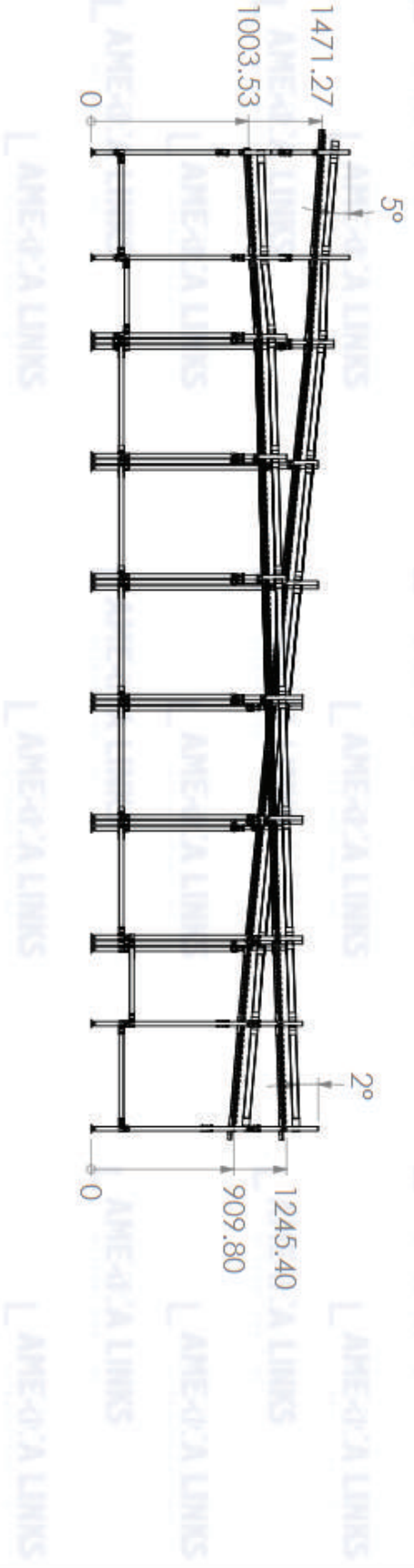
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1



B

B



A

A



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REV:

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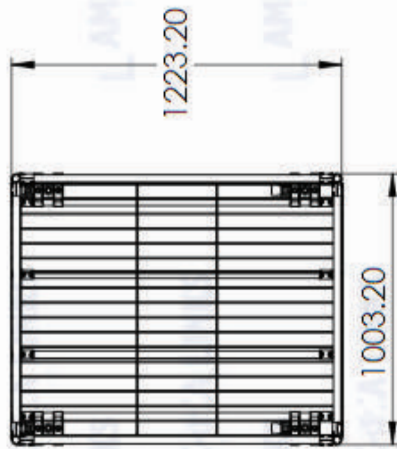
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2

1

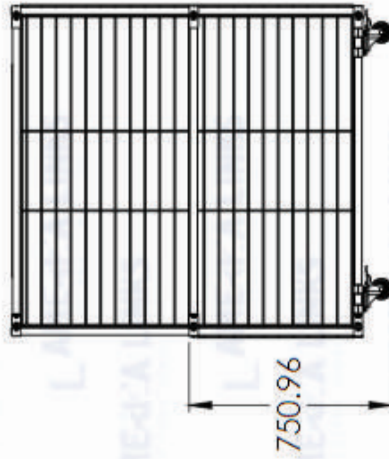
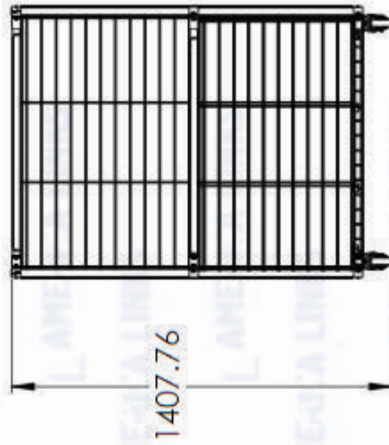
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1



B

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A



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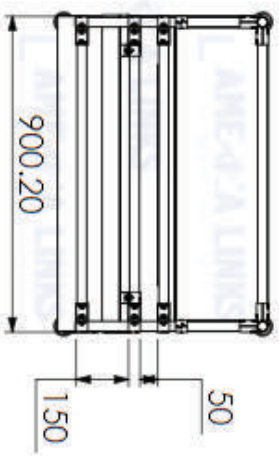
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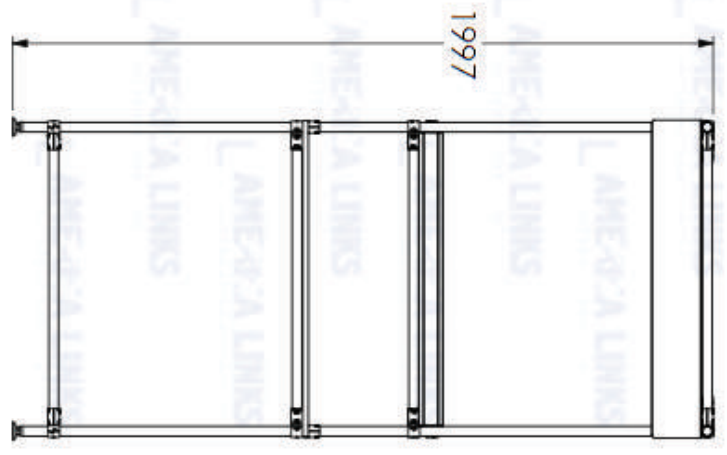
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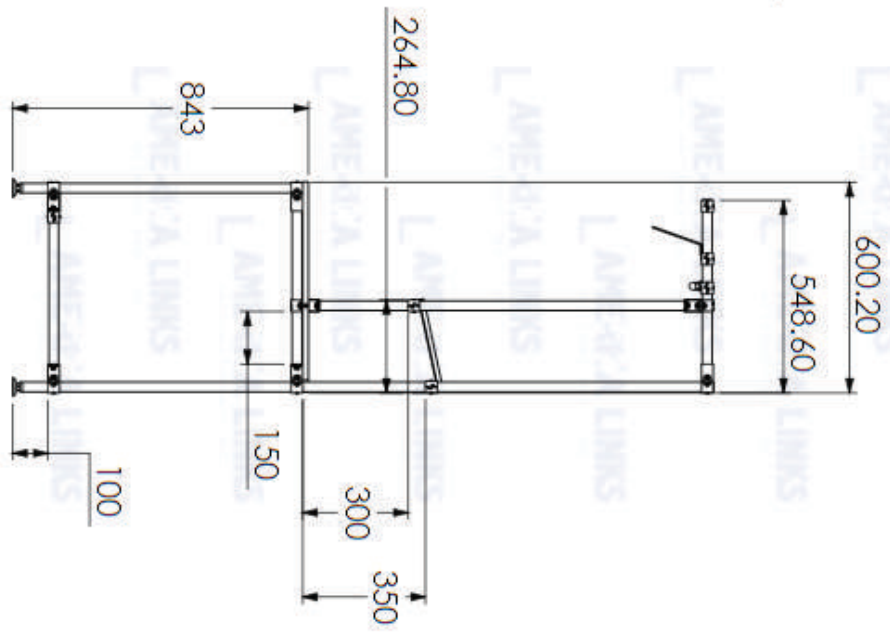
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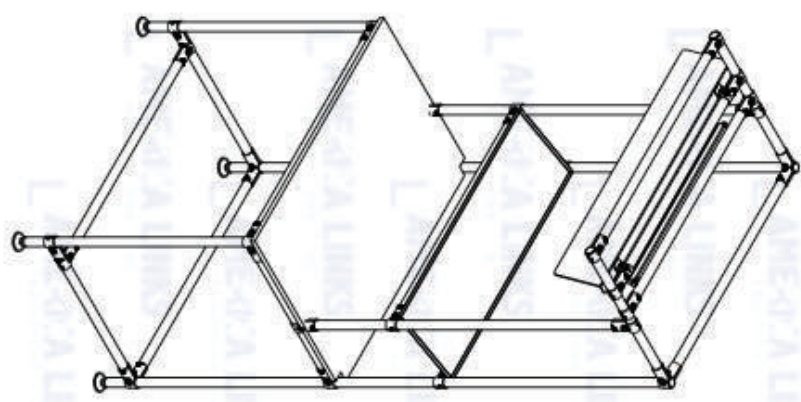
A



B



A



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Drawing Title:

ALL-ALM-0607-N0010

Notes:

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REV:

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CAD File #:

ALL-ALM-0607-N0010

Scale:

1:20

Approved by:

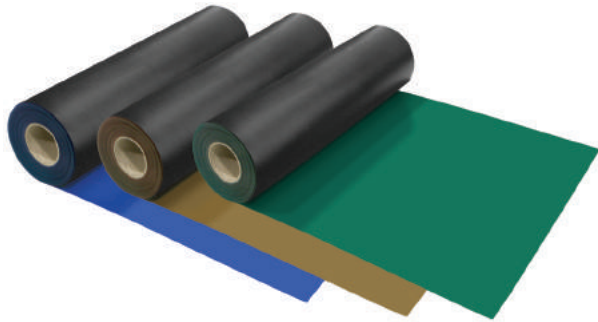
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1

ALI ESD & Clean Products



ALI ESD Control Table Mat



Available Worksurface Colors:

Green/Black; Blue/Black;
Sky Blue/ Black; Gray/Black

Features:

The mat is resistant to most chemicals and solvents. It is heat-resistant to soldering iron temperature, solder fluxes, and solder flux splatters.

Item	Unit		Value	Method
Tensile Strength	Width	Kg/cm ²	105	KS M 6518-91
	Length		114	
Elongation	Width	%	380	
	Length		370	
Harness	Length	HS	64	
Tear Strength (B)	Width	Kg/cm	31	
	Length		37	
Temp. Resistance		°C	Max. 130	
Surface Resistivity (RTT)	Black (Under)	Ω/sqmt	10e ³ ~ 10e ⁵	ASTMD257
	Color (Upper)		10e ⁷ ~ 10e ⁹	
Volume Resistivity (RTG)	Black (Under)	Ω/sqmt	10e ³ ~ 10e ⁵	ASTMD257
	Color (Upper)		10e ⁷ ~ 10e ⁹	
Static Decay 5,000V 500V		Second	<0.01	FTS 101 C

Material	Conductive Rubber, Static Dissipative Rubber
Thickness	2 & 3 mm
Width	120 cm
Length	10m / Roll
Color (Upper)	Green, Gray Blue, Sky Blue
Tester	*ETS 406C Static Decay meter. *3M Model 701 Test Kit for Static Control Surfaces

Part Number	Description
M11-M-007- Blue	ESD Control Table Mat, Blue: 10m x 1.2m x 2mm Thickness
M11-M-007- Gray	ESD Control Table Mat, Gray: 10m x 1.2m x 2mm Thickness
M11-M-007- Green	ESD Control Table Mat, Green: 10m x 1.2m x 2mm Thickness

ALI ESD Black Table Mat



Other Information

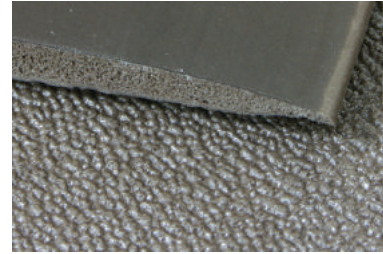
The mat is resistant to most chemicals such as solvents, it is heat - resistant to soldering iron temperature, solder fluxes, and solder flux splatters. This non-curling mat is the most economic solution for a static-safe work area.

Item	Unit		Value	Method
Tensile Strength	Width	Kg/cm ²	105	KS M 6518-91
	Length		114	
Elongation	Width	%	380	
	Length		370	
Hardness	Length	HS	64	
Tear Strength (B)	Width	Kg/cm	31	
	Length		37	
Temp. Resistance		°C	Max. 130	
Surface Resistivity (RTT)	Black (Under)	Ω/sqmt	10e ³ ~ 10e ⁴	ASTMD257
	Color (Upper)		10e ⁷ ~ 10e ⁸	
Volume Resistivity (RTG)	Black (Under)	Ω/sqmt	10e ³ ~ 10e ⁴	ASTMD257
	Color (Upper)		10e ⁷ ~ 10e ⁸	
Static Decay 5,000V 500V		Second	<0.01	FTS 101 C

Material	Conductive Rubber, Static Dissipative Rubber
Thickness	2 mm
Width	120 cm
Length	10m / Roll
Color (Upper)	Black
Tester	*ETS 406C Static Decay Meter *3M Model 701 Test Kit for Static Control Surfaces

Part Number	Description
M13-M-000	ESD Control Table Mat, Black: 10m x 1.2m x 2mm Thickness

ALI ESD Antifatigue Mat

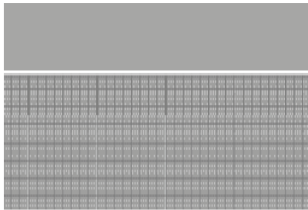


Part Number: M15-M-001
ESD Antifatigue Floor Mat, Roll 10m x 1m

Specifications

Description	Unit	Value	Method
Tensile Strength	Mpa (psi)	7.4 (1067.9)	ASTM D 412-1998 A Method
Elongation	%	225.3	
Tear Strength (B)	kN/m (bf/inch)	27.00 (154.1)	ASTM D 624-2000
Hardness	HAD	64	ASTM D 2240-2003
Resistivity (RTT)	Ω	$10^7 \sim 10^8$	ASTM D 257-1999
Resistivity (RTG)	Ω	$10^7 \sim 10^8$	ASTM D 257-1999

Size and Packing Information

Size	Thickness	$8 \pm 5\%$	mm	Embossed Surface ↷  ↶ Foamed PVC
	Width	100	cm	
	Roll	10	m	
Color	Gray or Brown		-	
Material	Foamed PVC + ESD Agent		-	

ALI ESD Silicon Mat



Item	Unit		Value	Method
Tensile Strength	Width	Kg/cm ²	105	KS M 6518-91
	Length		114	
Elongation	Width	%	380	
	Length		370	
Hardness	Length	HS	64	
Tear Strength (B)	Width	Kg/cm	31	
	Length		37	
Temp. Resistance		°C	Max. 130	
Surface Resistivity (RTT)	Black (Under)	Ω/sqmt	10e ³ ~ 10e ⁴	ASTMD257
	Color (Upper)		10e ⁷ ~ 10e ⁸	
Volume Resistivity (RTG)	Black (Under)	Ω/sqmt	10e ³ ~ 10e ⁴	ASTMD257
	Color (Upper)		10e ⁷ ~ 10e ⁸	
Static Decay 5,000V 500V		Second	<0.01	FTS 101 C

Material	Silicon
Thickness	2.3 mm
Width	300 mm
Length	420 mm
Color (Upper)	Black
Tester	*ETS 406C Static Decay meter. *3M Model 701 Test Kit for Static Control Surfaces

Part Number	Description
M36-M-001T	ESD Silicon Mat, 2.3mm x 300mm x 420mm

ALI ESD Silicon Pin Mat

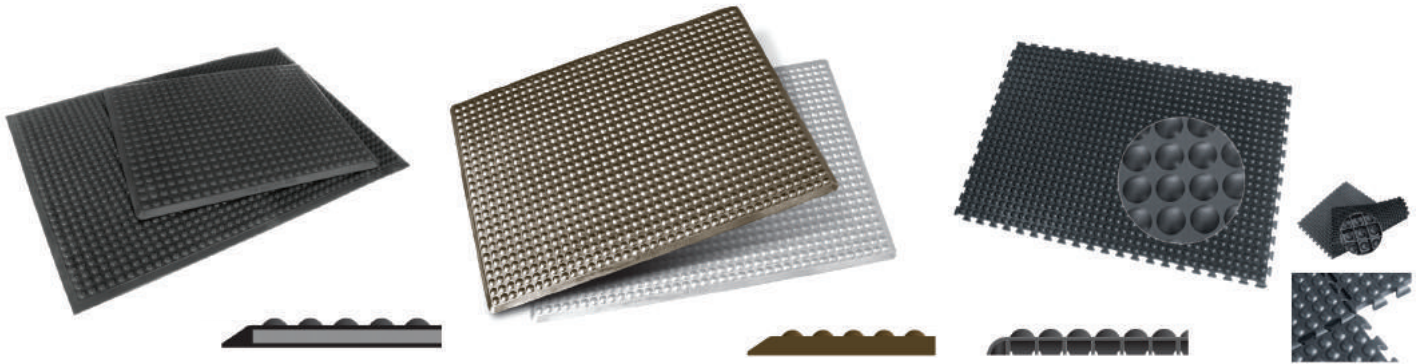


Item	Unit		Value	Method
Tensile Strength	Width	Kg/cm ²	105	KS M 6518-91
	Length		114	
Elongation	Width	%	380	
	Length		370	
Hardness	Length	HS	64	
Tear Strength (B)	Width	Kg/cm	31	
	Length		37	
Temp. Resistance		°C	Max. 130	
Surface Resistivity (RTT)	Black (Under)	Ω/sqmt	10e ³ ~ 10e ⁴	ASTMD257
	Color (Upper)		10e ⁷ ~ 10e ⁸	
Volume Resistivity (RTG)	Black (Under)	Ω/sqmt	10e ³ ~ 10e ⁴	ASTMD257
	Color (Upper)		10e ⁷ ~ 10e ⁸	
Static Decay 5,000V 500V		Second	<0.01	FTS 101 C

Material	Silicon
Thickness	11 mm
Width	300 mm
Length	400 mm
Color (Upper)	Black
Tester	*ETS 406C Static Decay meter. *3M Model 701 Test Kit for Static Control Surfaces

Part Number	Description
M36-M-001T	ESD Silicon Pin Mat, 11mm x 300mm x 400mm

ALI ESD Antifatigue Mats



Type A

Type B

Interlocking Type

Properties		Unit	Type A		Interlocking Type	Type B
Item Code			M15-M-002	M15-M-003	M15-M-004	M15-M-001
Basic Properties	Material	-	Conductive NBR+ High Elastic Polyurethane		Conductive NBR	Polyurethane
	Color	-	Black		Black	Dark Gray, Gray
	Weight	kg	3.4	2.1	2.7	2.5
	Length	cm	90 ± 1%	45 ± 1%	90 ± 1%	90 ± 1%
	Width	cm	60 ± 1%	60 ± 1%	60 ± 1%	60 ± 1%
	Thickness	mm	16		16	15
Mechanical	Intensity	Sh-A	30~40		30~40	30~40
	Density	kg/Cubic Meter	-		-	380 ± 10%
	Compressibility	%	50		50	50
	Degree of Abrasion	Cubic mm	180		180	180
	Tensile Strength	Mpa	1.5		1.5	2
	Elongation	%	500		500	500
	Crushing Strength	N/mm	4		4	4
	Stability (Anti-slip)	R/V	10/11		10/11	10/11
Electrical Resistance	Surface	ohm	10e ⁵ ~10e ⁶		10e ⁵ ~10e ⁶	x 10e ⁸ ~ 5x10e ⁹
Heat	The lowest Point for user	Degree C	80		80	80
	Available Highest Point for Short Term to use	Degree C	120		120	120
Constructions			Conductive NBR Polyurethane Foam Conductive NBR		Homegenous Conductive NBR	Homogenous Polyurethane

ALI Ground Cord



P/N: M05-Z-003



P/N: M05-Z-009



P/N: M05-Z-001

Description

Ground cord connects the table mat to the grounding point. Polyurethane Polymer allows the strain reliefs to survive 1 million flexes. The included Ring Terminal allows for customizing cord length.

Features


- Easy to use • No adjustment necessary
- Easy connect Ground snap to Mat
- Dome Cap reduces tripping
- Easy attachment with Ring Terminal and ESD ground
- Long shelf life, Easy to clean

Properties


Cord	Length	1.8 mtrs- 4.5 mtrs & (Any length is available)
	Mold Material	Polyurethane (PU)
	Cable Dia.	2.0 mm
	Cap	Yellow or Black
	Color	Black
	Cable Break Load	120N
Stud or Socket	Plastic Material	ABS+PC
	Size	10 mm

ALI Work Station Ground Monitor


Continuous Work Station monitor

M54-E-001	Features
	<ul style="list-style-type: none"> • 100% Continuous Work Station Monitoring • Visual Indicating Light 6' Cable • Buzzer Alarm
	<p style="text-align: center;">Specifications</p>
	<ul style="list-style-type: none"> • Input AC 100 ~ 230v / 50 /60 Hz (DC) • Weight: 60gm (not including power supply adaptor)



Dual Continuous Work Station Monitor

M55-E-001	Features
	<ul style="list-style-type: none"> • 100% Continuous Work Station Monitoring • Visual Indicating Light • Monitor two operator and two work surface mats • Size: Monitor 13 x 10.3 x 3.6 • Remote Input Jack: 9.3 x 2.8 x 2.5 cm
	<p style="text-align: center;">Specifications</p>
	<ul style="list-style-type: none"> • Input AC 100 ~ 230V /50 / 60 Hz (DC)

Dual Wrist Strap Bench Mount

M11-Z-001	Features
	<ul style="list-style-type: none"> • Easy to use • No adjustment Necessary • Dual Banana Jacks for Grounding to Wrist Straps • Vinyl Boot Insulates Electrical Circuits • Cable Length: 4.5 meters

ALI EVA Mat with Adhesive

	EVA Mat with Adhesive	EVA Mat with Adhesive	ESD Tape
Item Code	M-23-M-002	M23-M-003	M-24-T-001
Size (mm, m)	2.5mm x 0.96m x 9.5m	2.7mm x 0.96m x 9.5m	0.2mm x 40mm x 30m
S/R (ohm/sq)	Top	10e ⁶ ± 1	10e ⁶ ± 1
	Bottom	10e ⁵ ± 1	10e ⁷ ± 1
Hardness	HS	41 (KS M 651:8 2006, Type A)	-
Frictional Coefficient	0.754 (KS M ISO 8295: 2006) Statical Friction		
Materials	ESD Mat EVA Foam	ESD Mat EVA Foam Releasing Paper Acrylic Adhesive	ESD Mat Releasing Paper Acrylic Adhesive
Pictures			
Structures	 ESD Mat Fabric (4mm stripe) EVA Foam	 ESD Mat Fabric (4mm stripe) Conductive EVA Foam Acrylic Adhesive Releasing Paper	 ESD Tape (5mm grid) Acrylic Adhesive Releasing Paper
Applications	Table top of assembly lines for sensitive electronic parts	Table top of assembly lines for sensitive electronic parts	Cover for the edges of the ESD EVA mats, Pad and other Mats
Features	<ul style="list-style-type: none"> • Smooth, soft and anti-scratches surface • Cushion for easy grip • Good ESD properties • Light Weight 	<ul style="list-style-type: none"> • Smooth, soft and anti-scratches surface • Cushion for easy grip • Good ESD properties • Easy installation with bottom adhesive treatment 	<ul style="list-style-type: none"> • ESD Properties on both sides • Soft and Flexible • No lint generation • No residue • Homogenous structures

ALI ESD EVA Mat

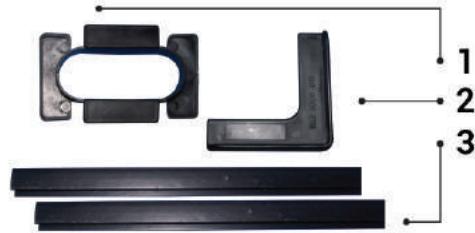


Description: ESD EVA Mat with Adhesive, surface Resistivity $10^6 \sim 10^8$ ohm

Color: Black

Technical Specifications		
Item	Unit	Value
Density	kg/cm ³	0.0305
Tensile Strength	kg/cm ²	3.4
Elongation to Break	%	208
Tear Strength	kg/cm	2.1
Shrinkage	%	-1.7
Compression Strength	kg/cm ²	0.39
Available Thickness	mm	5mm; 10mm, 25mm
Surface Resistivity	Ω /SQ	$10^6 - 10^8$
Test Method		ASTM-D257

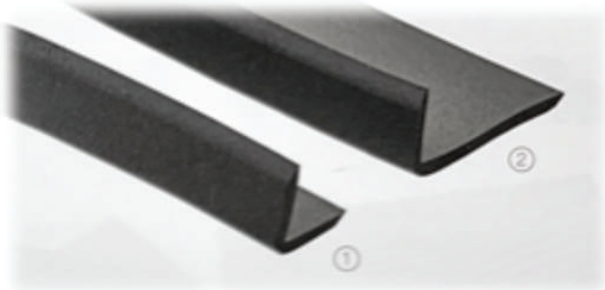
ALI ESD Edge Protector



ESD Accessories for Custom Conductive Corrugated Box

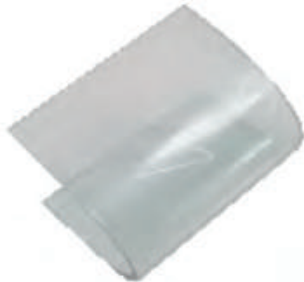
1) M14-H-003	2) M14-H-001	3) M14-H-002
<p>ESD Handle Material: Conductive PP S/R: $10e^4 \sim 10e^6$ Ohm/sq Different Sizes Available</p>	<p>ESD Corner Angel Material: Conductive PP S/R: $10e^4 \sim 10e^6$ Ohm/sq Different Sizes Available</p>	<p>ESD Side/ Frame Material: Conductive PP S/R: $10e^4 \sim 10e^6$ Ohm/sq Different Sizes Available</p>

ESD Foamed Rubber Edge Protector



<p>1) M00-M-002 Material: ESD Foam Rubber SR: $10e^8 \sim 10e^9$ Ohm/sq Size: 15mm x 15mm x 100 m (roll)</p>
<p>2) M00-M-003 Material: ESD Foam Rubber SR: $10e^8 \sim 10e^9$ Ohm/sq Size: 15mm x 38mm x 50 m (roll) Application: Edge protection Fortables</p>
<p>3) M00-M-003 Material: Rubber SR: $10e^4 \sim 10e^5$ Oms/sq Size: 10mm x 2.5mm x 100 m (roll)</p>
<p>4) M00-M-004 Material: Rubber SR: $10e^4 \sim 10e^5$ Oms/sq Size: 15mm x 5mm x 100 m (roll)</p>
<p>5) M00-M-005 Material: Rubber SR: $10e^4 \sim 10e^5$ Oms/sq Size: 15mm x 9mm x 100 m (roll)</p>

ALI ESD Acrylic and Polycarbonate Sheets



ALI ESD Acrylic Plate



Part Number: M01-Y-003 ~ 20

Specifications				
Division	Testing Items	Unit	PMMA Acrylic	Test Method
Physical Properties	Specific Gravity	g/cm ³	1.19	ASTM D-792
	Water Absorption	%	0.3	ASTM D-570
	Pencil Hardness	-	3H ~ 5H	JIS K-5400
	Piece Close Adhesion Strength	-	100/100	JIS K-5400
Mechanical Properties	Tensile Strength	Mpa (kgf/cm ²)	560 ~ 670	ASTM D-638
	Elongation	%	2.0 ~ 7.0	ASTM D-638
	Flexural Strength	kgf/cm ²	840 ~ 1200	ASTM D-790
	Flexural Modulus of Elasticity	kgf/cm ²	2.6 10 ⁴ ~ 3.2 x 10 ⁴	ASTM D-256
	Compressive Strength	kgf/cm ²	-	ASTM D-256
	Compressive Strength	J/N (kgf cm/cm ²)	2	ASTM D-256
Thermal Properties	Burning Resistance	-	Incombustibility HB	UL-94
	Coefficient of Linear Thermal Expansion	x10 ⁻⁵ in/ in °F	-	ASTM D-696
	Heat Deflection Temp	°F/ °C at 264 psi	-	ASTM D-648
	Vicat Softening Temp	°F/ °C	-	ASTM D-3418
	Max Operation Temp	°F/ °C	-	-
	Thermal Conductivity	BTU-in/ft ² -hr-°F x10 ⁻⁴ cal/in/cm-sec-°C	-	-
Electronical Properties	Surface Resistivity	500	10 ⁶ ~ 10 ⁸	ASTM D-257
	Anti-Static Decay Time	Sec	Below 0.1	MIL B-81705
Size	1,200 mm x 2,400 mm			
Thickness	3.0/ 4.0/ 6.0/ 8.0/ 10.0			
Color	Clear Transparent			
Remark	Other Size, Thickness and Colors are also Available Upon Request			

Conductive NBR

ALI Static Dissipative PC (Polycarbonate) Plate



Part Number: M03-Y-003 ~ 010

Specifications				
Division	Testing Items	Unit	PC Polycarbonate	Test Method
Physical Properties	Specific Gravity	g/cm ²	1.2	ASTM D-792
	Water Absorption	%	0.01	ASTM D-570
	Pencil Hardness	-	HB	JIS K-5400
	Piece Close Adhesion Strength	-	100/100	JIS K-5400
Mechanical Properties	Tensile Strength	Mpa (kgf/cm ²)	58.8~68.6/(560~670)	ASTM D-638
	Elongation	%	90~140	ASTM D-638
	Flexural Strength	kgf/cm ²	920~980	ASTM D-790
	Flexural Modulus of Elasticity	kgf/cm ²	2500	ASTM D-256
	Compressive Strength	kgf/cm ²	-	ASTM D-256
	Compressive Strength	J/N (kgf cm/cm ²)	6	ASTM D-256
Thermal Properties	Burning Resistance	-	Incombustibility V-0~v2	UL-94
	Coefficient of Linear Thermal Expansion	x10-5 in/ in °F	3.8	ASTM D-696
	Heat Deflection Temp	°F/ °C at 264 psi	270/132	ASTM D-648
	Vicat Softening Temp	°F/ °C	310/154	ASTM D-3418
	Max Operation Temp	°F/ °C	170/77	-
	Thermal Conductivity	BTU-in/ft ² -hr-°F x10-4cal/in/cm-sec-°C	1.3/4.5	ASTM C-177
Electronical Properties	Surface Resistivity	500	10 ⁶ ~ 10 ⁸	ASTM D-257
	Anti-Static Decay Time	Sec	Below 0.1	MIL B-81705
Size	1,200 mm x 2,400 mm			
Thickness	3.0/ 4.0/ 6.0/ 8.0/ 10.0			
Color	Clear Transparent			
Remark	Other Size, Thickness and Colors are also Available Upon Request			


ALI ESD Clear Curtain Film

Part Number: M06-Y-006T

Specifications					
Descriptions		Front Side	Back	Unit	Test Method
Surface Resistivity		10e ⁸ ~ 10e ¹⁰	10e ⁸ ~ 10e ¹⁰	ohm	ASTM D-257
Volume resistivity		10e ⁷ ~ 10e ⁸	10e ⁷ ~ 10e ⁸	ohm/cm	
Friction Electrocharge		Less than 300	Less than 300	Voltage	Electrostatic Field Meter
Decay Time	5000V->500V	Less than 0.5	Less than 0.5	Sec.	MIL-B-81705C
Tensile Strength	MD	1.9		kg/mm ²	ASTM D-882
	TD	1.9			
100% Modulus	MD	1.1		kg/mm ²	
	TD	1.8			
Elongation	MD	170		%	
	TD	210			
Heat Shrinkage		Less than 5		%	Internal Method (60°C x 30min in H2O)

Resistance to Chemicals			
Chemicals	Front Side	Back	Test Method
Hydrochloric Acid (10%)	○	○	JIS K-7114 5cm x 5cm Size of Specimen: Dipped for 168 hrs
Sulfuric Acid (10%)	○	○	
Acetic Acid (5%)	○	○	
Sodium Hydroxide (10%)	○	○	
Aqueous Ammonia (10%)	○	○	
Ethyl Alcohol (50%)	△	△	
Acetone (95%)	△	△	
Benzene (95%)	✖	✖	
Formalin (95%)	○	○	


** ○ Good △ Average ✖ N/G

Size and Packing Information				
Size	Thickness	0.5	mm	
	Width	137	cm	
	Roll	20	m	
Color	Clear Transparency		-	
Material of the Film	PVC		-	
Material of the Core	Paper		-	
Core Diameter	3		inch	

ALI ESD Grid Black Curtain Film

Part Number: M09-Y-003

Specifications					
Descriptions		Front Side	Back	Unit	Test Method
Surface Resistivity		10e ⁵ ~ 10e ⁸	Over 10e ¹¹	ohm/ Sq.m	ASTM D-257
Electro Static Voltage		Less than 700	Less than 1,200	Voltage	Electrostatic Field Meter
Decay Time	5000V->500V	Less than 0.5	Less than 0.5	Sec.	MIL-B-81705C
Tensile Strength	Length/MD	1.9		kg/mm ²	ASTM D-882
	Width/TD	1.9			
100% Modulus	Length/MD	1.1		kg/mm ²	
	Width/TD	1.8			
Elongation	Length/MD	170		%	
	Width/TD	210			
Heat Shrinkage	60°C x 30min in H2O	Less than 5		%	Internal Method

Size and Packing Information				
Size	Thickness	0.5	mm	
	Width	137	cm	
	Roll	20	m	
Color	Grid on Opaque Black		-	
Material of the Film	PVC		-	
Material of the Core	Paper		-	
Core Diameter	3	inch		

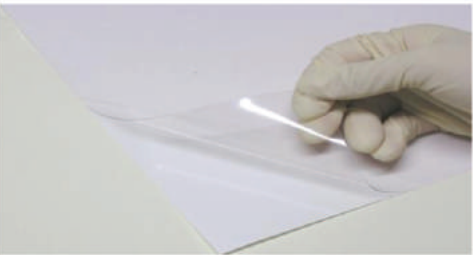
ALI ESD Clear Adhesive Curtain Film

Part Number: M11-Y-001

Specifications					
Descriptions		Front Side	Back (Adhe)	Unit	Test Method
Surface Resistivity		10e ⁸ ~ 10e ¹⁰	10e ⁸ ~ 10e ¹⁰	ohm	ASTM D-257
Volume resistivity		10e ⁷ ~ 10e ⁸	10e ⁷ ~ 10e ⁸	ohm/cm	
Friction Electrocharge		Less than 50	Less than 50	Voltage	Electrostatic Field Meter
Decay Time	5000V->500V	Less than 0.5	Less than 0.5	Sec.	MIL-B-81705C
Tensile Strength	MD	1.9		kg/mm ²	ASTM D-882
	TD	1.9			
100% Modulus	MD	1.1		kg/mm ²	
	TD	1.8			
Elongation	MD	170		%	
	TD	210			
Heat Shrinkage		Less than 5		%	Internal Method (60°C x 30min in H2O)

Resistance to Chemicals			
Chemicals	Front Side	Back	Test Method
Hydrochloric Acid (10%)	○	○	JIS K-7114 5cm x 5cm Size of Specimen: Dipped for 168 hrs
Sulfuric Acid (10%)	○	○	
Acetic Acid (5%)	○	○	
Sodium Hydroxide (10%)	○	○	
Aqueous Ammonia (10%)	○	○	
Ethyl Alcohol (50%)	△	△	
Acetone (95%)	△	△	
Benzene (95%)	✖	✖	
Formalin (95%)	○	○	

** ○ Good △ Average ✖ N/G

Size and Packing Information				
Size	Thickness	0.2	mm	
	Width	120	cm	
	Roll	10	m	
Color	Clear Transparency		-	
Material of the Film	PVC		-	
Material of the Core	Paper		-	
Core Diameter	3		inch	

ALI ESD Black Adhesive Curtain Film

Part Number: M11-Y-002t

Specifications					
Descriptions		Front Side	Back	Unit	Test Method
Surface Resistivity		10e ⁸ ~ 10e ¹⁰	10e ⁸ ~ 10e ¹⁰	ohm	ASTM D-257
Volume resistivity		10e ⁷ ~ 10e ⁸	10e ⁷ ~ 10e ⁸	ohm/cm	
Friction Electrocharge		Less than 50	Less than 50	Voltage	Electrostatic Field Meter
Decay Time	5000V->500V	Less than 0.5	Less than 0.5	Sec.	MIL-B-81705C
Tensile Strength	MD	1.9		kg/mm ²	ASTM D-882
	TD	1.9			
100% Modulus	MD	1.1		kg/mm ²	
	TD	1.8			
Elongation	MD	170		%	
	TD	210			
Heat Shrinkage		Less than 5		%	Internal Method (60°C x 30min in H2O)

Resistance to Chemicals			
Chemicals	Front Side	Back	Test Method
Hydrochloric Acid (10%)	○	○	JIS K-7114 5cm x 5cm Size of Specimen: Dipped for 168 hrs
Sulfuric Acid (10%)	○	○	
Acetic Acid (5%)	○	○	
Sodium Hydroxide (10%)	○	○	
Aqueous Ammonia (10%)	○	○	
Ethyl Alcohol (50%)	△	△	
Acetone (95%)	△	△	
Benzene (95%)	✖	✖	
Formalin (95%)	○	○	

** ○ Good △ Average ✖ N/G


Size and Packing Information			
Size	Thickness	0.2	mm
	Width	120	cm
	Roll	10	m
Color	Clear Transparency		-
Material of the Film	PVC		-
Material of the Core	Paper		-
Core Diameter	3		inch



ALI ESD Grid Curtain Film

Part Number: M05-Y-009

Specifications					
Descriptions		Front (Grid) Side	Back	Unit	Test Method
Surface Resistivity		10e ⁵ ~ 10e ⁸	Over 10e ¹¹	ohm/ Sq.m	ASTM D-257
Electro Static Voltage		Less than 700	Less than 1,200	Voltage	Electrostatic Field Meter
Decay Time	5000V->500V	Less than 0.5	Less than 0.5	Sec.	MIL-B-81705C
Tensile Strength	Length/MD	1.9		kg/mm ²	ASTM D-882
	Width/TD	1.9			
100% Modulus	Length/MD	1.1		kg/mm ²	
	Width/TD	1.8			
Elongation	Length/MD	170		%	
	Width/TD	210			
Heat Shrinkage	60°C x 30min in H2O	Less than 5		%	Internal Method

Size and Packing Information				
Size	Thickness	0.5	mm	
	Width	137	cm	
	Roll	20	m	
Color	Grid on Opaque Black		-	
Material of the Film	PVC		-	
Material of the Core	Paper		-	
Core Diameter	3		inch	

ALI Conductive Corrugated Plastic



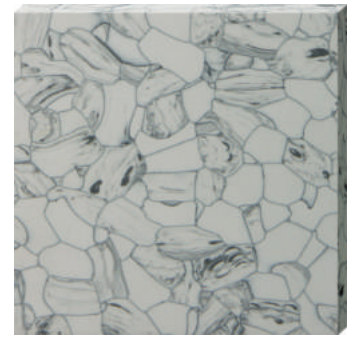
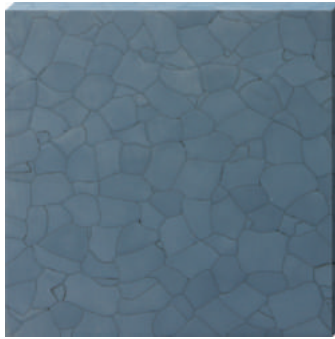
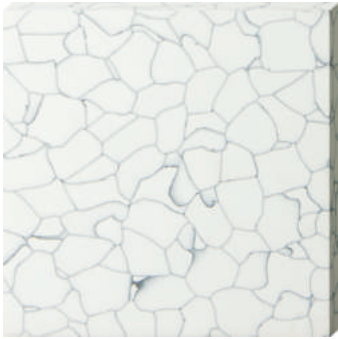
General Information	
Standar Size	1200 mm x 2400 mm (4ft x 8ft)
Available Thickness	4 mm & 10 mm
Color	Black
Material	Conductive PP

Features
Light, good property against water, chemicals and oils. Permanent conductive property, high durability.

Part Numbers	
M13-H-001-4	Black Conductive Corrugated Plastic, 4' x 8' x 4 mm; 10e4 ~ 10e6 ohm
M13-H-002-10	Black Conductive Corrugated Plastic, 4' x 8' x 10 mm; 10e4 ~ 10e6 ohm

Part Numbers			
Item	Unit	Spec	Test Method
Specific Gravity	-	1.050 ~ 1.150	ASTM D-792
Tensile Strength	kg/cm ²	Min. 250	ASTM D-638
Surface Resistivity	EΩ /sq	E4 ~ E6	ASTM D-257
Melt Index	g/10 Min	0.80 ~ 1.20	ASTM D-1238
Flexural Strength	kgf/cm ²	Min. 350	ASTM D-790
Flexural Modulus	kgf/cm ²	Min. 18,000	ASTM D-790
Izod Impact Strength	kg cm/cm	Min. 20	ASTM D-256
HDT 66psi	°C	Min. 105	ASTM D-648
Appearance	-	Black Pellets	-

ALI Conductive Tiles



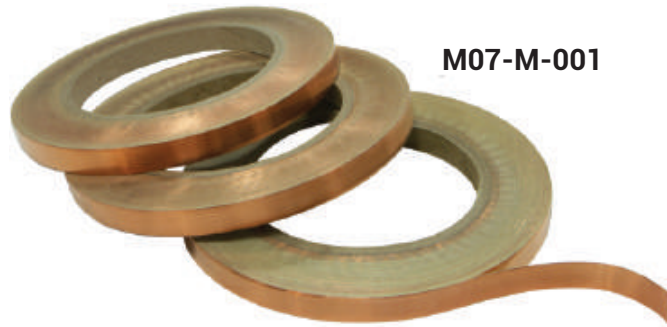
HK-1103

HK-1109

HK-1203

- Conductive & Static Dissipative Tiles route and drain static electricity charges away from electronic components and equipment.
- The electrical properties are permanent and are not affected by humidity variations in the environment.
- High contents of vinyl compound and our high pressure manufacturing process provide excellent durability, wear, and chemical resistance.
- The tiles are directly installed on the ground floor with a conductive adhesive, cooper strips/grounding cord.
- Once the adhesive is electrically bonded to the ground, the entire installation is grounded / ESD protected.











Installation Accessories



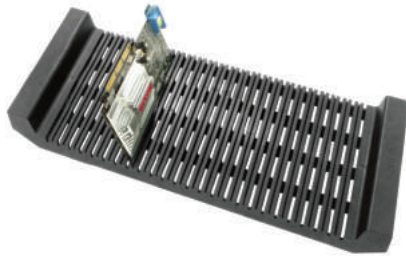
M07-M-001

Copper Tape	
M07-M-001	
Size	0.038mm (T) x 10mm (W)
Packing	30m / roll

Conductive Adhesive	
M10-M-001	Carbon Fiber Type
M10-M-002	Carbon Powder Type
M10-M-003	2 Parts Epoxy
M10-M-004	PU Epoxy

Welding Rod	
M06-M-001	
M06-M-002	
M06-M-003	
M06-M-004	
M06-M-005	
M06-M-006	
M06-M-007	
M06-M-008	
M06-M-009	
M06-M-010	

ALI Conductive PC Rack



M05-H-001



M06-H-001

Specifications		
Descriptions	M05-H-001	M06-H-001
Size L X W X H (mm)	179 x 390 x 25	325 x 205 x 93
Surface Resistivity (Ohms/sq)	10e ⁴ ~ 10e ⁶	10e ⁴ ~ 10e ⁶
Pitch (mm)	16	15
Capacity (pcs)	25	31
Weight (g)	500	480

ALI Conductive Tray



Specifications				
Descriptions	M10-H-005	M10-H-006	M10-H-007	M10-H-008
Size L X W X H (mm)	485 x 355 x 45 mm	355 x 255 x 45 mm	280 x 215 x 40 mm	200 x 150 x 40 mm
Surface Resistivity (Ohms/sq)	10e ⁴ ~ 10e ⁶	10e ⁴ ~ 10e ⁶	10e ⁴ ~ 10e ⁶	10e ⁴ ~ 10e ⁶
Weight (pc)	98g	126g	246g	378g
Material	Conductive PS	Conductive PS	Conductive PS	Conductive PS

ALI ESD Clear Notebook



ESD Clear Note Book	
Model	M05-S-002
Description	Clean Room Note Book
Material	High-density polyethylene cover, plastic spirals and durable clean paper
Size	Spital / A4 (210 x 297 mm) 50 Sheets/Book

Features
<ul style="list-style-type: none"> • Easy to wrtite on • Tear resistant • Translucent cover allows the reader to easily identify the notebook´s content • Spiral design allows the notebook to lie flat and stay open

*Printing: Plaese refer to the image above

ALI Electric Tape Dispenser



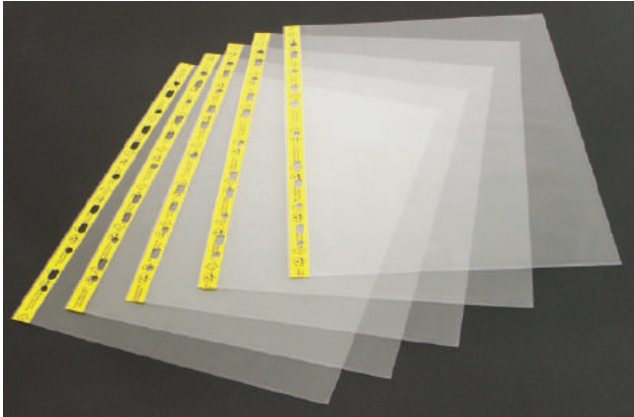
General Information

- Ideal for multi-operator applications
- Allows up to 20 pieces of tape to be cut at a touch of a button
- Unique feed system places tape on carousel for easy removal
- Safety switch on cover

Technical Specifications

Tape Width	3 to 25 mm
Cut Length	12 to 60 mm
Max. Outside dia. of Roll	130 mm
Core Diameter	25, 32 and 76.2 mm
Accuracy of Cut	1 mm
Tape Cutter	Automatic
Fee Type	Carousel Type
Adjustable Tape Spacing	Yes
Length Setting	Mechanical (lead screw)
Weight	2.75 kg
Dimensions	30 cm (L) x 16 cm (W) x 16 cm (H)
Electrical Requirements	AC 110V 50/60 Hz

ALI ESD Clear File

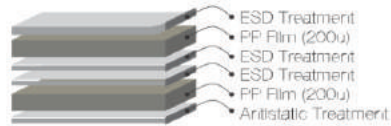


ESD Clear File	
Model	M10-S-001
S/R	10e9 ~ 10e11 (Out side only)
Material	PP
Thickness	0.05 mm
Size	A3, A4, B4

**Custom sizes are also available

Features
Protect documents in cleanroom environment

*Printing: Please refer to the image



ESD Document Holder with Logo	
Part Number	M14-S-003
Description	ESD Document Holder with Logo
Material	PP
Size	A4

Features
ESD Properties Inside and Outside Document Holder Opens on Top 1 side

Properties		Units	Value	Test Method
Thickness	Base Film	µm	0.2 mm	
	PP Hotmelt	µm	0.2 mm	
Total Thickness		µm	200 +/- 5	
Size			A4	
Color			Clear	
Surface Resistance		Ω/SQ	10e5 ~ 10e7	ASTM D-257
Triboelectricity		V	Max 300	

ALI ESD Chair



M22-E-001



M22-E-003

Specifications		M22-E-001	M22-E-003
Materials	Seat	PVC + PU Film	PVC + PU Film
	Back	PVC + PU Film	-
	Body	Aluminium + Metal with hard chrome coating	
	Size	Conductive Plastic	Metal
Color		Blue	Black or Blue
Surface Resistivity		$10e^6 \sim 10e^8$	$10e^6 \sim 10e^8$
Resistivity to Ground		$10e^6 \sim 10e^8$	$10e^6 \sim 10e^8$
Back Size (W X H)		45 cm x 40 cm	-
Seat Size (W X H)		48 cm x 42 cm	48 cm x 42 cm
Height (bottom to seat/adjustable)		45 cm ~ 58 cm	45 cm ~ 58 cm
Cleanroom Class		100 ~1000	100 ~ 1000

ALI Claenroom Vacuum Cleaner



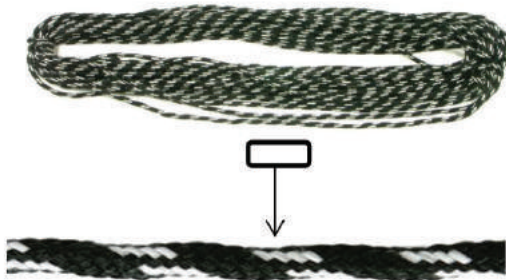
M12-E-001



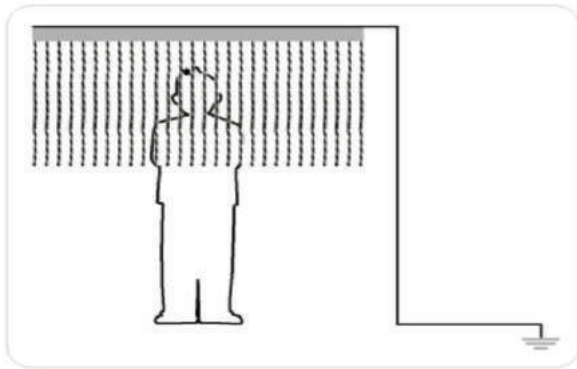
M12-E-003

Specifications	M12-E-001	M12-E-003
Vacuum Motor	1200W 7 1.6 HP	
Capacity (Liter)	40	60
Filtering Capacity (%)	99.97	99.99
Inside Filter	3 Steps of paper	4 Steps of paper
Dimension (mm)	350 x 650	450 x 950
Power	220 / 50 ~ 60 Hz (110V is available on request)	
Net Weight (kg)	14.3	16.6
Gross Weight (kg)	16	18

ALI Conductive Rope



Description: This conductive rope is designed to make a blind curtain for grounding the static charges built up to human body and transport equipment.



Reference:

- Install a blind curtain at the entrance of EPA area
- Touch the rope of the curtain whenever in and out
- Static charges of human body and transport equipment will be discharged along grounding path.

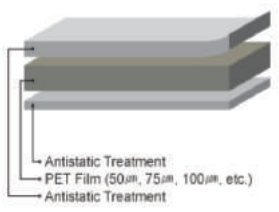
Specifications	
Part Number	M14-Y-001
Color	Black and White Mixed
Composition	Poly Propylene - 93%, Stainless Fiber - 7%
Weight	9 grs/meter
Diameter	7 mm
Surface Resistivities	$10e^3$ ohm/ unit
Packing	100 meters/ hank
Application	<ul style="list-style-type: none"> • Storage of ESD sensitive products • Entrance of assembly line • EPA area

ALI ESD PET Film



Specifications			
Properties		Unit	Value
Film		-	ESD PET
Thickness	Backing	μm	100 ± 2
	Adhesive	μm	20 ± 3
Color		-	Clear
Adhesion		gf/25mm	20 ± 3
Resistance	Adhesive	$\Omega/25\text{mm}$	-
	Backing	$\Omega/25\text{mm}$	$10e^5 \sim 10e^8$
Electrostatic Discharge		sec	Max. 0.1
Size		mm, m	1000mm x 100m

Size and Packing Information			
Size	Backing	100 ± 2	mm
	Adhesive	20 ± 3	mm
	Widths	1000	mm
	Roll	100	m
Color	Clear		-
Material of the film	ESD PET		$10e^5 \sim 10e^8$
Material of the core	Plastic		-
Core Diameter	3		inch



Antistatic Treatment

PET Film (50 μm , 75 μm , 100 μm , etc.)

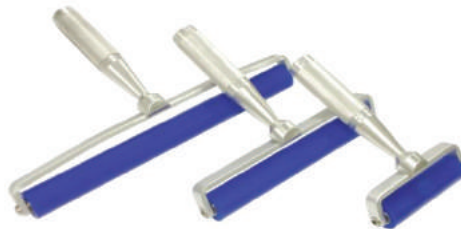
Antistatic Treatment

ALI Silicon Rubber Roller and DCR-Pad for Clean Rooms



General Information

Materials	Shaft (All Models)		SUS304				
	Handle (M15-C-005 to 008)		ABS				
	Handle (M15-C-009 to 012)		Stainless				
	Rollers (All Models)		Silicon Rubber				
	1	2	3	4	5	6	7
Adhesive (%)	0	20	40	60	80	100	120
Hardness	40-50	40-50	40	30	20	15	12
	Part Number		Dia. (mm)		Width		Length
Sticky Type	M15-C-001		5		-		120 mm
Handy Type	M15-C-005		30		150 mm		150 mm
	M15-C-008		30		300 mm		150 mm
Floor Type	M15-C-009		50		250 mm		1~2 mm
	M15-C-010		50		300 mm		1~2 mm
	M15-C-011		50		500 mm		1~2 mm
	M15-C-012		50		600 mm		1~2 mm



	Adhesive Paper	Release Paper
Materials	Paper, Adhesive	Paper
Adhesion (gf/25mm)	1,250 ± 100	-
Weight	88.80 g/m ²	98.40g/m ²
Thickness	80 um/ sheet	117 um/sheet
Size	330mm x 240mm (Adhesive Area: 330mm x 180mm) 165mm x 240mm (Adhesive Area: 165mm x 180mm)	
Packing	50 sheets / pad, 5 pads/inner box, 5 inner boxes/ outer carton	
Total Thickness	13.00mm/ pad (50 sheets)	
Total Weight	860g/ pad, 24.5 kgs/ carton (25 pads)	

ALI Sticky Mat for Cleanroom



Part Number: M01-C-146-B

General Information	
Description	Sticky Mat
Packing	6 Mats/ Case, 8 Mats/ Case, 10 Mats/ Case
Size	18" x 36", 18" x 45", 24" x 36", 26" x 45", etc.
Color	Blue, Grey, White, Semi-Transparent
Material	LDPE, Acrylic Ester Copolymer

	Unit	Specifications	Test Methods
Dimension	Thickness (mm)	0.045 ± 0.005 (Standar) 0.035 ± 0.005 (Thin Film)	Mitutoyo ID-C112
	The Number of Sheets	30 + Double Adhesive Sheet + Each Cover Sheet	
Adhesive (gf/25mm)	Adhesive Strength	190(L)/ 250(M)/ 300(H) ± 50	Kyung-Jin K-OPC
	1st. Adhesive Strength (Back)	250 (L)/ 120(M)/ 120(H) ± 50	
	2nd. Adhesive Strength (Ground)	700(L,M,H) ± 100	
Tensile Strength	Width (kg/sqcm)	150 or more	Shimadsu-AGS-D
	Length (kg/ sqcm)	150 or more	
Elongation	Width (%)	250 or more	Shimadsu-AGS-D
	Length (%)	250 or more	
External Appearance	Bubble	Dia. 5mm or bigger x 10/pad or less	
	Pleat	Length 10mm or larger x 5/pad or less	

*L: Low Tack
*M: Midium Tack
*H: High Tack

ALI ESD Marking Tape with Printings



Part Number: M04-T-000

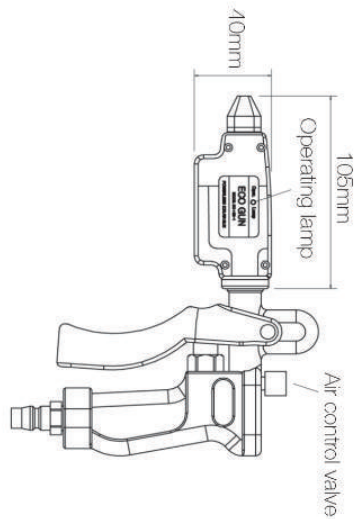
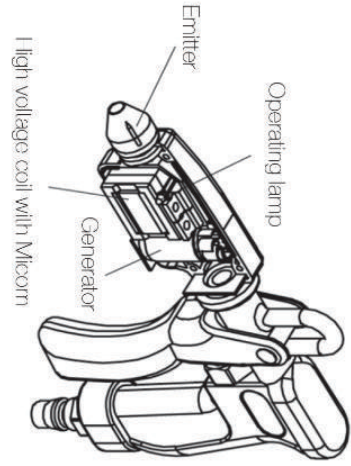
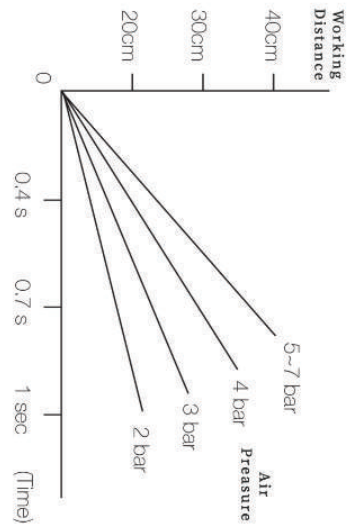
Description	Application
PET laminated PVC tape with printings and antistatic treatment on both sides.	<ul style="list-style-type: none"> • Indication of "ESD Protected Area", "ESD Controlled Area" or "ESD Safe Area" • Various Colors Available • ESD Markings on Tape
Features	
<ul style="list-style-type: none"> • Antistatic Treatment • PET (15µm) • ESD logo printed PVC (100µm) • Antistatic Acrylic Adhesive (30µm) 	

Specifications				
	Properties	Unit	Value	
Physical properties	Film Type	-	Antistatic PVC Film	
	Adhesive Type	-	Antistatic Acrylic	
	Total Thickness	µm	155 ± 10	
	Color	-	Green, Yellow, Blue	
	Size			
	Strength of Adhesive	gf/ inch	Min 500	
	S/R	Adhesive Face	Ω25cm	10e ⁸ ~ ⁹
		Backing Face		10e ⁶ ~ ⁸
	Static Decay Time	Sec	Max 0.1	
	Peeling Static Voltage	V	Min 100	
Size	Width	1", 2"		
	Length	33 Meters		

ALI Eco-Friendly Ion Gun

Specifications

Powerless Eco Ion Gun	Part Number	M39-E-002
Ion Mode	Color	Color
Decay Time		0.6 sec
Ion Balance		(± 1,000v - 100v)
Recommended Air Pressure		Less than +, - 10v
Working Distance		70 to 90 PSI
Weight		4" ~ 20"
Air Hose		7 oz
		3/8"
Country of Origin		Japan



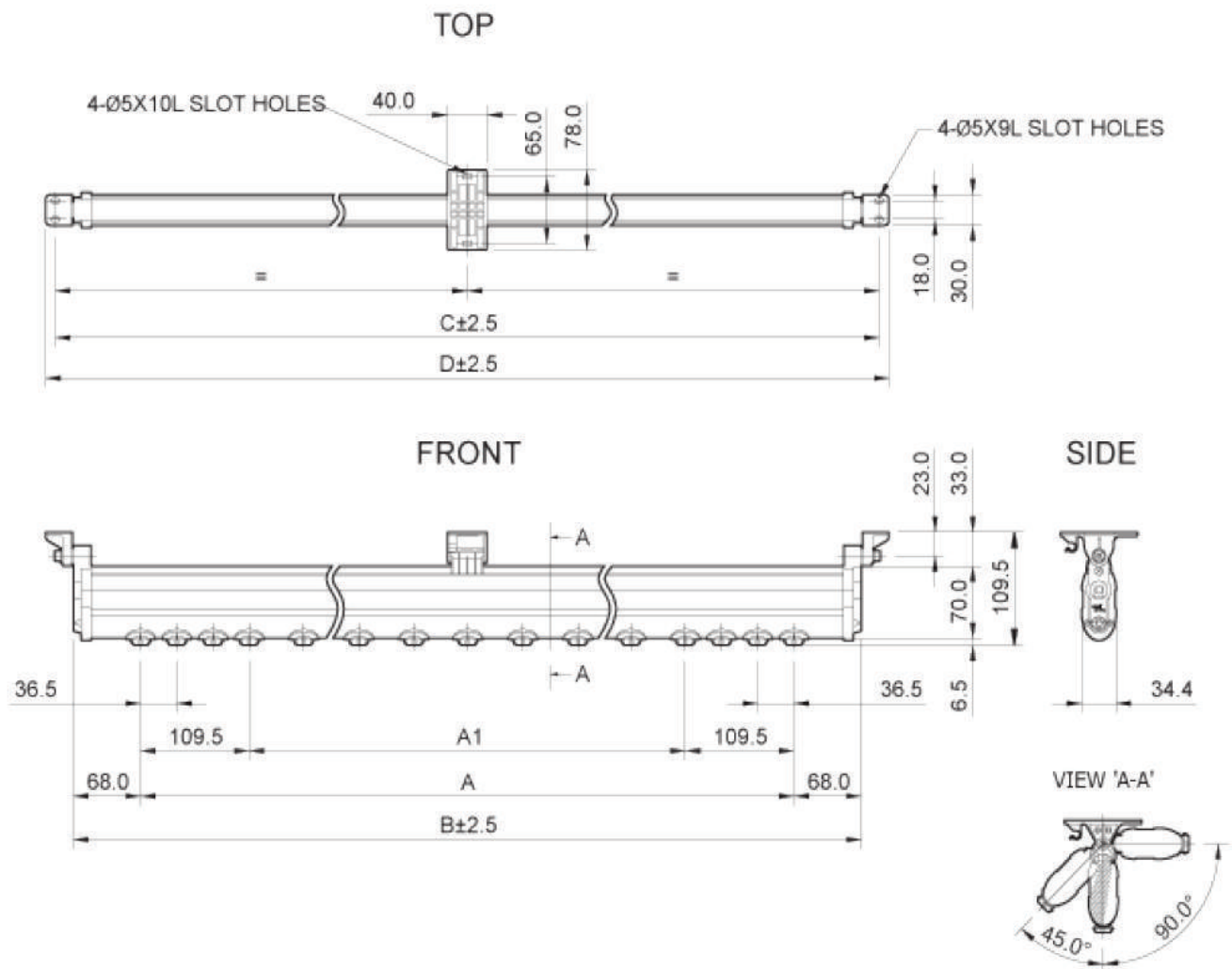
*Do not use ion gun continuously by typing the trigger with a cable tie or any other mechanism.
Eco-Friendly, Eliminates the Need for a Power Supply, Light Weight, Flow Control Valve

ALI Ion Bar



Specifications		
Model	Description	Remark
Input Power	DC24V (±5%) 1A	RJ45
Power Consumption	Max. 12W	-
Ion-Generation Method	Corona Discharge Pulse AC	
Air Purge Supply Pressure	1~5 kgf/ cm ²	CDA (Clean Dry Air), N2
Air Purge Connection Port	Pipe Tap 1/8"	
Ion Balance	Within ± 30V	1000 mm
Ozone (O3) Concentration	≤0.05 ppm	
Main Body Material	Non-Flammable ABS	Level V0
Electrode Material	Tungsten/ Titanium/Poly Silicon/ X-Material	
Emitter Replacement	Cartridge Type	
Operation Circumstance	0 ~ +50 (32~122) 35% ~85% RH	
Dimensions	See the accompany drawing paper	
Mounting Method	Ceiling	
Function	Remote Control	
Adjust Function	Frequency (Hz)	0.1, 0.3, 1, 3, 5, 8, 10, 20, 30, 50
	Duty Ratio (%)	40 ~70
	Voltage (Level)	Positive 1~10, Negative 1~10
Alarm Function	HV Abnormal Alarm, Low Ion Alarm, Tip	
Interface	Run State, Remote, Interlock, RS485	RJ45
Operating Distance	50~2,000 mm	
Option	RMS (Real Monitoring System)	
	SBP-RD (AC to DC Power Supply)	

ALI Ion Bar Dimensions



Dimensions

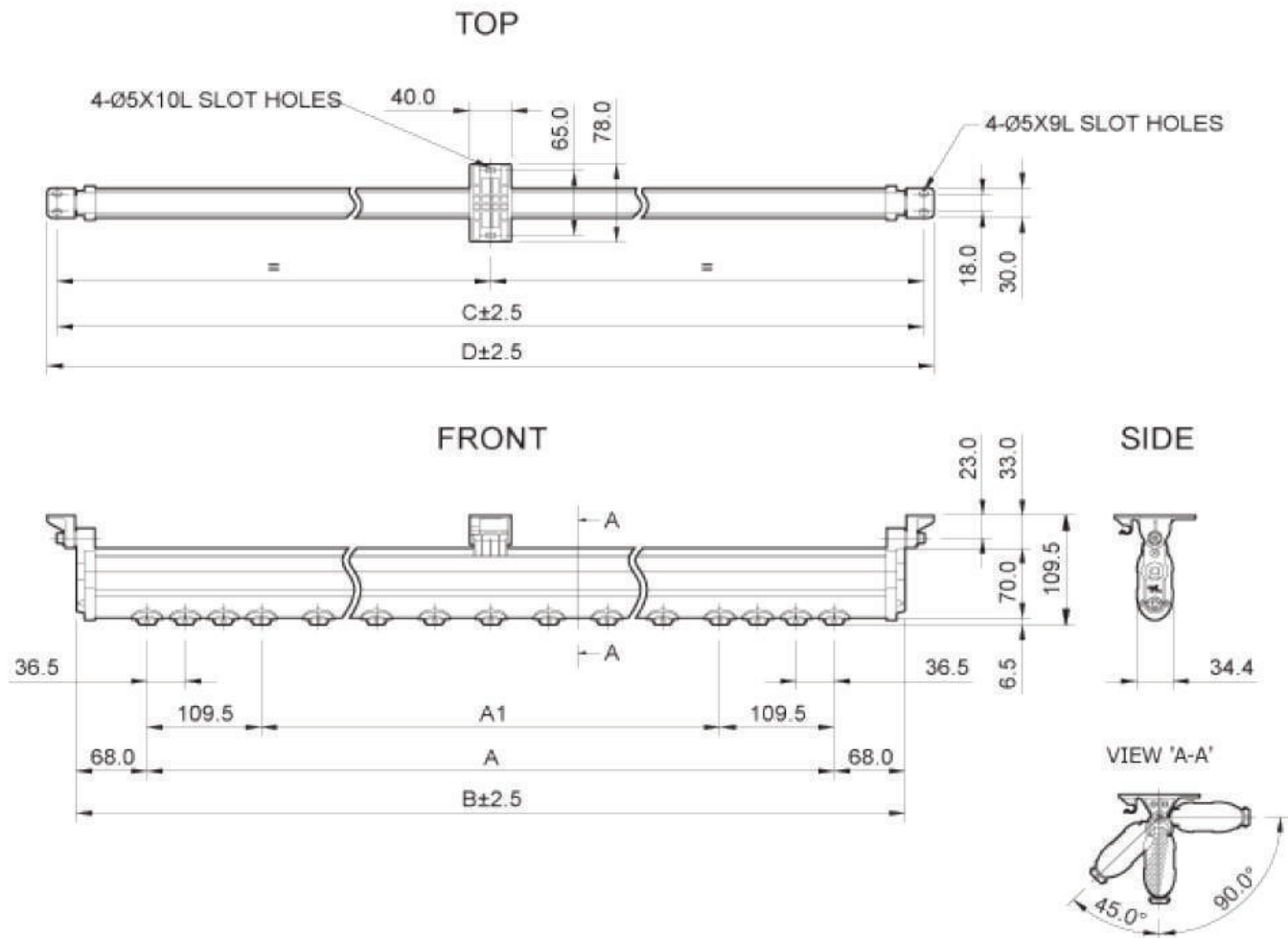
Part Number	Tip Qty	"A"	"A1"	"B"	"C"	"D"
M07-E-005	17	769	550	906	942	962

ALI Ion Bar



Specifications		
Model	Description	Remark
Input Power	DC24V (±5%) 1A	RJ45
Power Consumption	Max. 12W	-
Ion-Generation Method	Corona Discharge Pulse AC	
Air Purge Supply Pressure	1~5 kgf/ cm ²	CDA (Clean Dry Air), N2
Air Purge Connection Port	Pipe Tap 1/8"	
Ion Balance	Within ± 30V	1000 mm
Ozone (O3) Concentration	≤0.05 ppm	
Main Body Material	Non-Flammable ABS	Level V0
Electrode Material	Tungsten/ Titanium/Poly Silicon/ X-Material	
Emitter Replacement	Cartridge Type	
Operation Circumstance	0 ~ +50 (32~122) 35% ~85% RH	
Dimensions	See the accompany drawing paper	
Mounting Method	Ceiling	
Function	Remote Control	
Adjust Function	Frequency (Hz)	0.1, 0.3, 1, 3, 5, 8, 10, 20, 30, 50
	Duty Ratio (%)	40 ~70
	Voltage (Level)	Positive 1~10, Negative 1~10
Alarm Function	HV Abnormal Alarm, Low Ion Alarm, Tip	
Interface	Run State, Remote, Interlock, RS485	RJ45
Operating Distance	50~2,000 mm	

ALI Ion Bar Dimensions



Dimensions

Part Number	Tip Qty	"A"	"A1"	"B"	"C"	"D"
M07-E-008	23	1099	880	1236	1272	1292

ALI SRB Series - Room Ionizer



Components

Ion Bar (2)
 Power Controller
 Ground Cable (3)
 Middle Brackets (0~39)
 Signal Cable
 Output Cable (2)
 Power Cable

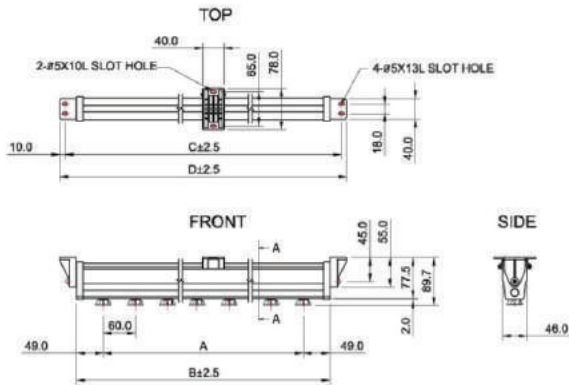
Optional Components

RMS Controller
 URP Cable

Specifications

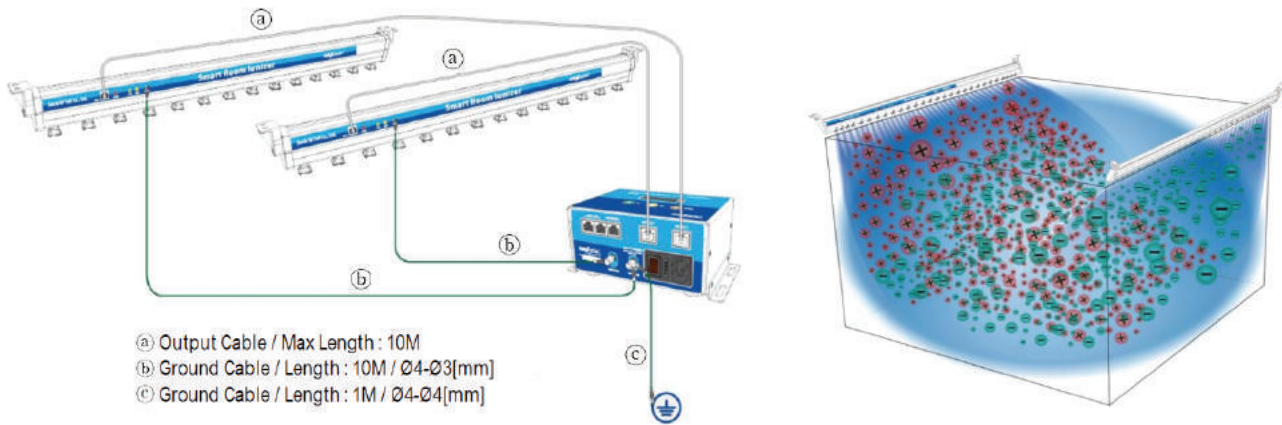
Model	Description	
Input Power	AC 100~240V, 50/60 Hz	
Power Consumption	Max. 15W	
Current Consumption	Max. 68 mA, AC 220v	
Ion-Generation Method	Corona Discharge Pulse AC	
Main Body Material Level V0	SRB Series	Non-Flammable ABS
	SRC - 2P	EI
Electrode Material	Tungsten	
Emitter Replacement	Cartridge Type	
Operation Circumstance	0°C ~ +50°C (32°F~122°F) 35% ~85% RH	
Dimensions	SRB Series	See Drawing
	SRC-2P (with bracket)	190.0 (W) x 81.0 (H) x
Function	Remote Control	
Adjust Function	Period (Sec)	Positive 1 ~10, Negative 1 ~ 10
		40 ~70
	Voltage (Level)	Positive 4~11 KV, Negative 4~11 KV
Alarm Function	HV Abnormal	
Interface (RJ45)	Run Stop, RS-485, Alarm (H/V Abnormal)	
Warranty	1 year	

ALI SRB Series - Room Ionizer



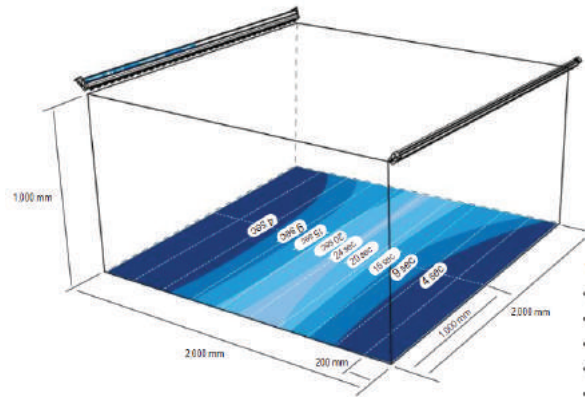
Dimensions						
Part Number	Tip Qty	A	B	C	D	Middle Bracket Qty
M08-E-1100	18	1020	1118	1160	1180	-
M08-E-1200	20	1140	1238	1280	1300	-
M08-E-1300	22	1260	1358	1400	1420	-
M08-E-1500	24	1380	1478	1520	1540	1
M08-E-1600	26	1500	1598	1640	1660	1
M08-E-1800	30	1740	1838	1880	1900	1
M08-E-2100	36	2100	2198	2240	2260	2
M08-E-2200	38	2220	2318	2360	2380	2
M08-E-2300	39	2280	2378	2420	2440	2
M08-E-2500	43	2520	2618	2660	2680	3
M08-E-3000	50	2940	3038	3080	3100	3
M08-E-3200	53	3120	3218	3260	3280	3

Decay Time Characteristics



Test Conditions

Model	M08-E-2100
Output Time	Positive(+) 1 sec, Negative(-) 1 sec.
Output Voltage	Positive (+) 11kV, Negative (-) 7.5 kV
Decay Time	±1,000V to ±100V
Charge Plate Capacitance	20pF (150 x 150mm) Trek 156A1



ALI Overhead Ion Blower



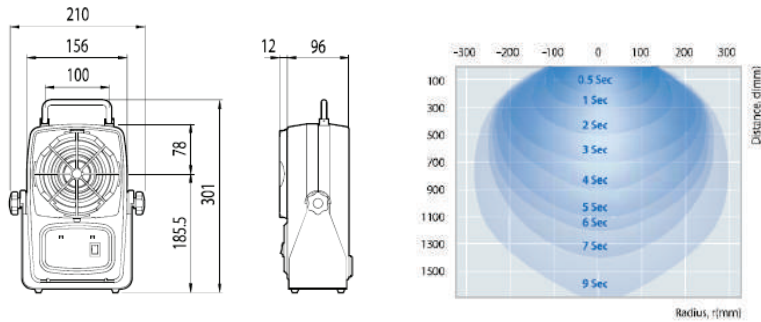
Categories	Description			
Item Code	M03-E-005	M-03-E-006	M03-E-023	M03-E-024
Input Power	AC100~230v, 50/60 Hz			
Power Consumption (Max. Fan Speed)	62W	77W	88W	99W
Ion-Generation Method	Steady-State DC			
Air Blow Volume	9.68 m ³ /min	14.52m ³ /min	19.36 m ³ /min	24.20 m ³ /min
Noise Level (dB), 1000mm, High fan speed	63dB	64dB	65dB	67dB
Ion Balance (at 600mm, Max air flow)	Within ±2V			
Ozone(O3) Concentration at 300mm	≤0.005 ppm			
Operation Circumstance	0°C~ +50(32°F ~ 122°F), 35% ~85% RH			
Material (Main Body)	Aluminum			
Material (Electrode)	Tungsten/ Titanium			
Mounting Method	Ceiling, Desk-Top, Self-Standing			
Function	Remote Control, 4 Steps Fan speed, Tip Cleaning, Buzzer On/Off			
Alarm Function	Ion Unbalance Alarm, Alarm Buzzer			
Interface	Run State, Remote On/Off, RS485, Alarm (IonUnbalance) Tip Claening			
Option	RMS (Real Monitoring System)			
Weight	4.8 Kg	6.7 Kg	8.6 Kg	10.5 Kg
Size (W x L x D) mm	180 x 670 x 98	180 x 1000 x 98	180 x 1200 x 98	180 x 1500 x 98

ALI Desk Top on Blower

- Ion Balance within $\pm 30V$ (at 60cm distance, max fan speed)
 - One touch front fan cover off for tip cleaning
- Various input voltages (AC 110/220, 50/60Hz, DC 24V)
 - ACtype



M02-E-006



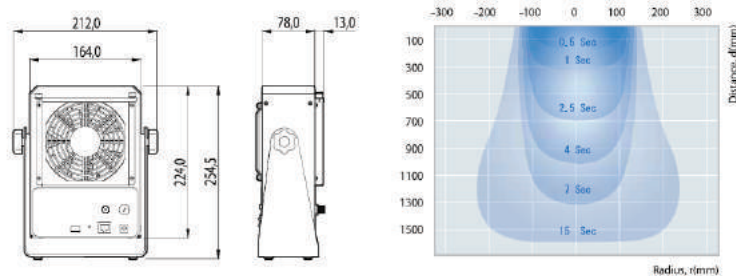
Basic Component

Body 1ea
Power Cable AC 110V, 50~60Hz / 1.8m / 1ea
 AC 220V, 50~60Hz / 1.8m / 1ea
Ground Cable 1m / 60, 40 / 1ea



M02-E-008

- Ion Balance within $\pm 2V$ (at 60cm distance, max fan speed)
 - EMI (Electro-Magnetic Interference) and EMS (Electro-Magnetic Susceptibility)
 - Automatic tip cleaning function
- Various interfaces with automated factories (PLC, Computer)
 - Ion bar graph (LED)
 - RMS (Real Monitoring System)



Basic Component

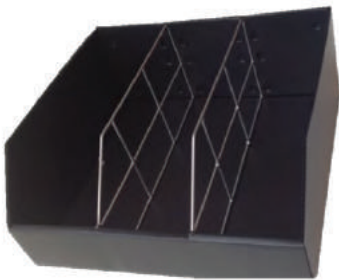
Body 1ea
Adapter INPUT:100~240VAC / 50~60Hz
 OUTPUT:DC24V 3m / 1ea
Power Cable AC 100~240V, 50/60Hz 1.8m / 1ea
Ground Cable 1m / 60, 40 / 1ea

Additional Component

UTP Cable (Option) 10m / 1ea
RMS Controller
Single Cable

ALI Conductive Corrugated Plastic Box

Stackable ESD Box with Wire Mesh Dividers



Stackable ESD Boxes



Features

- Customizable
- Made to specific customer spec.
- Permanent Conductive Properties
 - Durable
 - Stackable
- Ultrasonic Welding
- Fast Delivery

ESD Box with Lid



ESD Box with Plastic Dividers

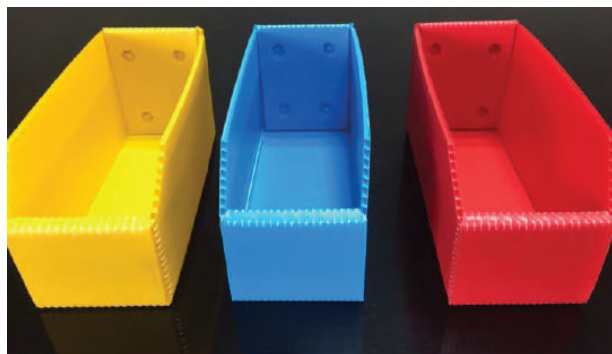


ESD Box with Molded Handles



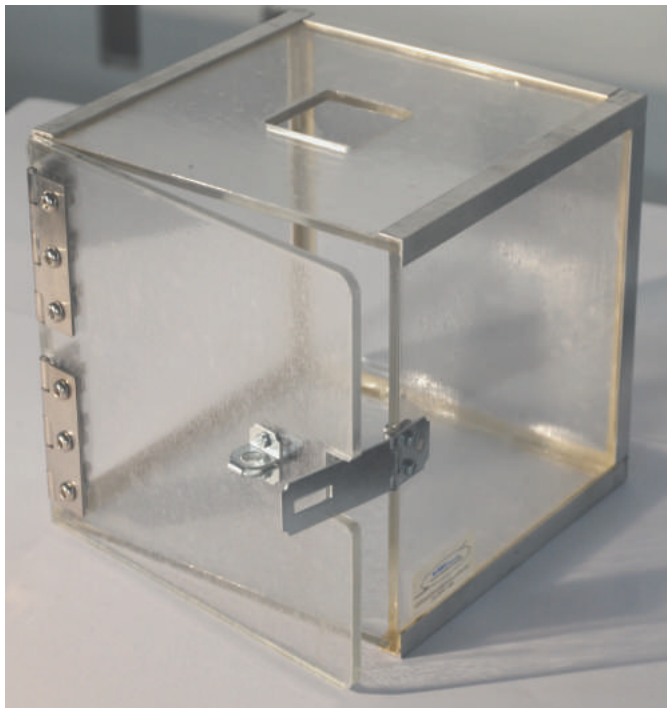
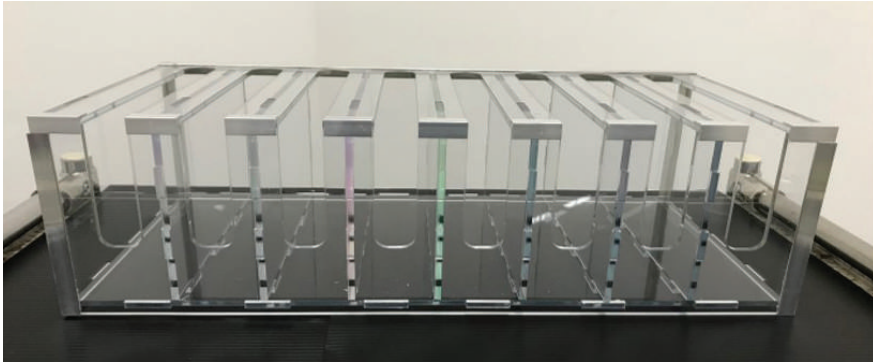
ALI Non ESD Custom Made Plastic Boxes

Regular Customizable Corrugated Plastic Bins



Let us know what sizes you need,
We will make it & make it right.

ALI Acrylic Box



Features

- Customizable
- Made to specific customer spec.
- Permanent Conductive Properties
 - Durable
 - Stackable
- Ultrasonic Welding
 - Fast Delivery
 - Laser Cut

ALI Automation Equipment



MT4B

Features

- Long Life and reliability
- Prism-cut lenses for even light distribution
- Surface, Pole or Wall Mounted (Order poles and bases separately)
 - Wire leads
 - IP54 rated
- MT4B Approvals - CE, UL, Rotts
- MT5B/8B Approvals - UL, Rotts



MT5C

Automatic Guided Vehicle (AGV)



Features

- Magnetic navigation system
- Load weight up to 200 kgs
 - Speed up to 30m/min
- Multi-station (RFID card) parking
 - Easy battery replacement
 - Auto charge station
- 8 Continuous working hours

Precision Screw Feeder



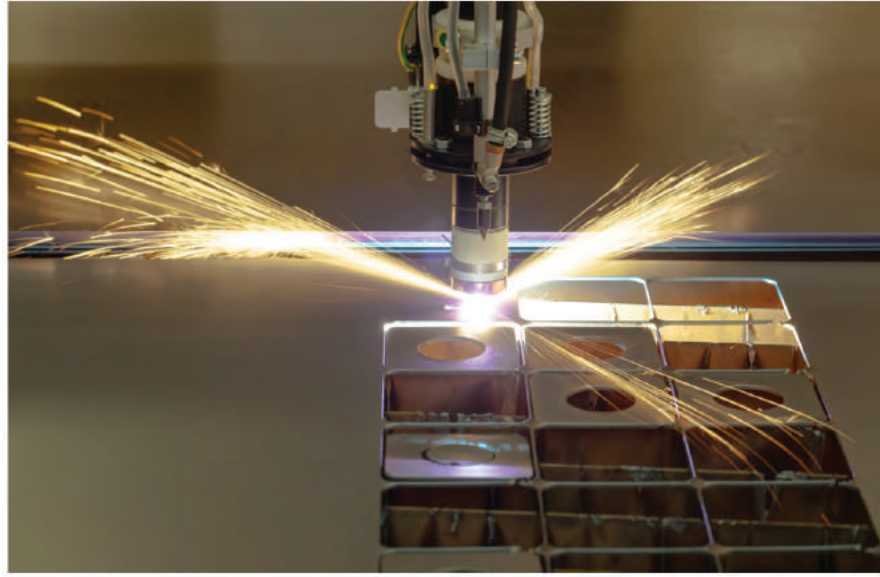
Applicable Rails

Model Type	Applicable Screw Diameter	Applicable Rail
FM36	3.0mm	FR-30
	3.5mm	FR-35
	4.0mm	FR-40
	5.0mm	FR-50
	6.0mm	FR-60

*Please specify the applicable rail N. at the time of purchase.

*A rail comes with a rotary escaper.

ALI Plasma Cutting Technology Services



Mild Steel from 26 GA to 1-1/4" thickness
Aluminum from 1/32" to 1" thickness
Stainless Steel from 26 GA to 1-3/4" thickness

Laser Cutting Technology Services

- Acrylic
- Wood
- Leather
- Plastics
- MDF
- Cardboard
- Paper
- Foam
- Fiberglass
- Rubber





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