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BLUESKY MAST elevating solutions

AL1 & AL2 Accessory Guide

ONE MAST
INFINITE CONFIGURATIONS



Top Adaptors and Plates



Pole Mounts & Brackets



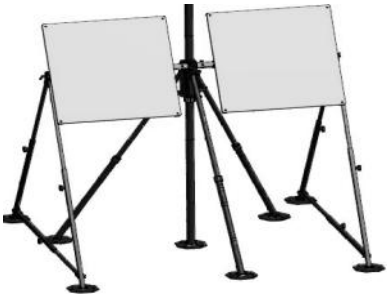
Side Arm Kits



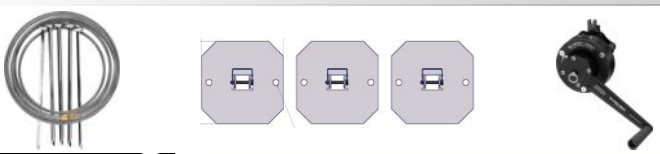
Side Arm Mounts



Solar Support



Grounding & Specialty Items



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AL1 & AL2 Accessory Guide

Top Adaptors and Plates

(These items include a pin on adaptor to mount on top of our AL1 / AL2 mast systems)



OE-254 & COM201 Antennas
BSM2-K-M400-OE2-000



Pipe Mount for 1 - 2 Inch Antennas
BSM2-A-M420-MPA-000



Manual Tilt Assembly with Mounting Pole
BSM2-K-M650-TLT-000



NATO - SINCGARS - EPLRS
BSM2-A-M305-NTO-00A



Pan & Tilt for Quickset QPT & FLIR
BSM2-A-M460-MPP-00A



Cross Pattern 8 x 10
BSM2-A-M408-MPP-00A



Generic 6 x 6 Cross Pattern
BSM2-A-M550-MPP-00A



Cisco 1500 Series
BSM2-A-M410-CSC-00A



Solid 7.5 x 7.5
BSM2-A-M407-MPP-00A



Solid 11.5 x 11.5
BSM2-A-M411-MPP-00A



KVH TracPhone TPV 3-7, TVHD 11
BSM2-K-M309-MPP-TRC



Radar 8 x 11
BSM2-A-M400-MPP-RDA

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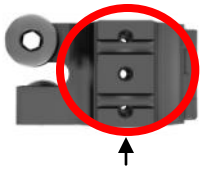
AL1 & AL2 Accessory Guide

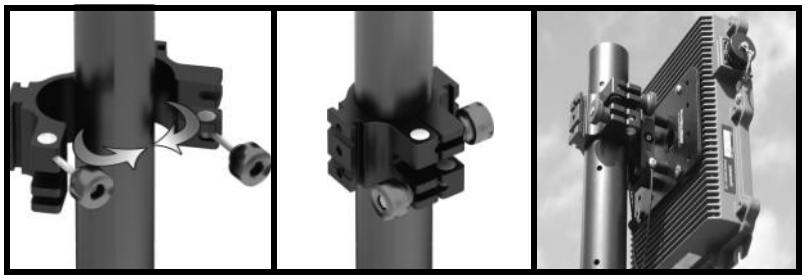
Pole Mounts and Brackets

(US and Int'l Patents Pending)





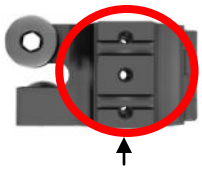
Patented
BlueSky Mast Interface



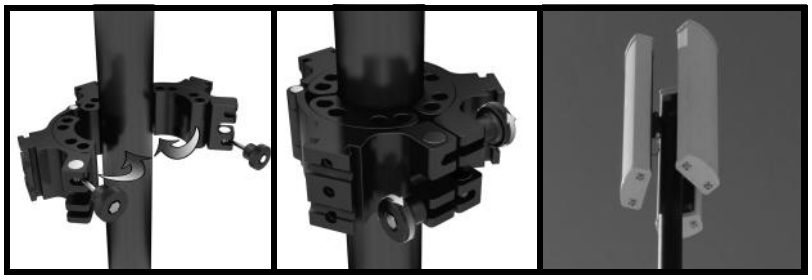
Pole Mount - Two Sided
BSM2-P-A352-T00-000

Mount anywhere on the mast, secure by latching and tightening the turn knobs. Plates w/ Brackets can now be added (SEE Pages 4 - 5)





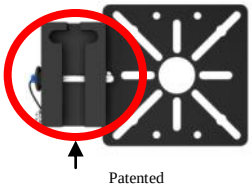
Patented
BlueSky Mast Interface



Pole Mount - Three Sided
BSM2-P-A353-T00-000

Mount anywhere on the mast, secure by latching and tightening the turn knobs. Plates w/ Brackets can now be added (SEE Pages 4 - 5)





Patented
BlueSky Mast Interface

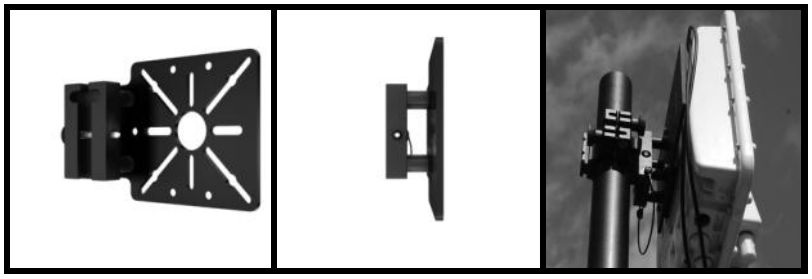
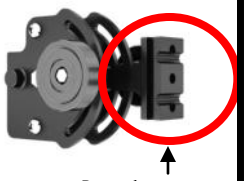


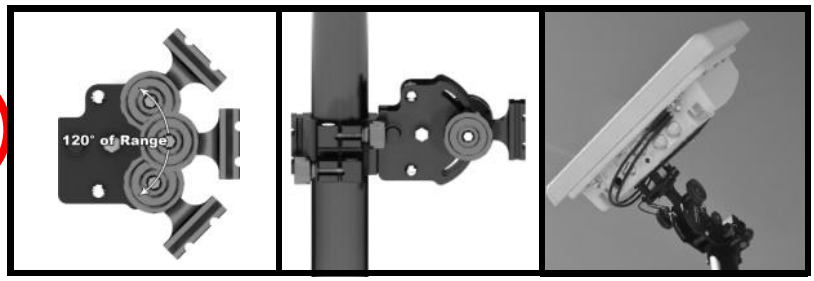
Plate Bracket
BSM2-P-A348-BRK-000

The Plate Bracket attaches to a Pole Mount
Most BSM Plates are available with a Plate Bracket (SEE Pages 4 - 5)





Patented
BlueSky Mast Interface



Tilt Bracket - Inline
BSM2-P-A349-BRK-000

The Tilt Bracket attaches to a Pole Mount
Plates w/ Brackets can now be added (SEE Pages 4 - 5)

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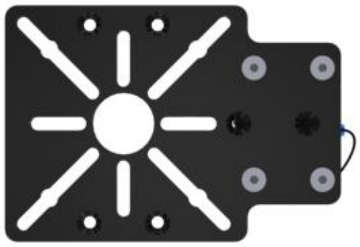
AL1 & AL2 Accessory Guide

Mounting Plates

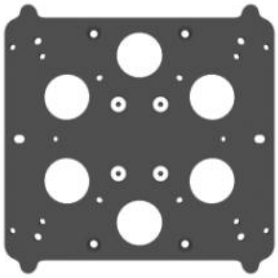
(Plates include Plate Bracket)



All of the plates shown in this section of the accessory guide include a Plate Bracket.
These plates can be mounted anywhere on the mast using our Pole Mounts.



Universal PTP Plate
BSM2-A-M900-PTP-BRK



GD Fortress ES Series
BSM2-A-M520-GDF-BRK



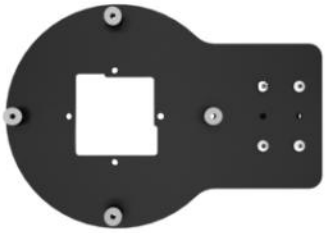
Cisco Aironet 1520 Series
BSM2-A-M524-CSC-BRK



PC Tel Sector Antenna SP4959
BSMU-A-M705-PCT-BRK



Rajant PC Tel Sector Antenna
BSMU-A-M587-RAJ-BRK



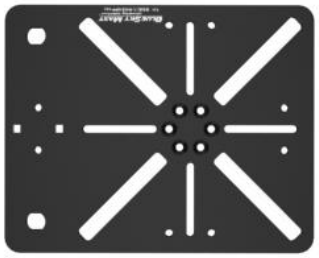
Radiowaves 2ft. Parabolic Antenna
BSM2-A-M502-MPP-BRK



Solid 7.5 x 7.5
BSM2-A-M407-MPP-BRK



Solid 11.5 x 11.5
BSM2-A-M411-MPP-BRK



Cross Pattern 8 x 10 Inch
BSM2-A-M408-MPP-BRK

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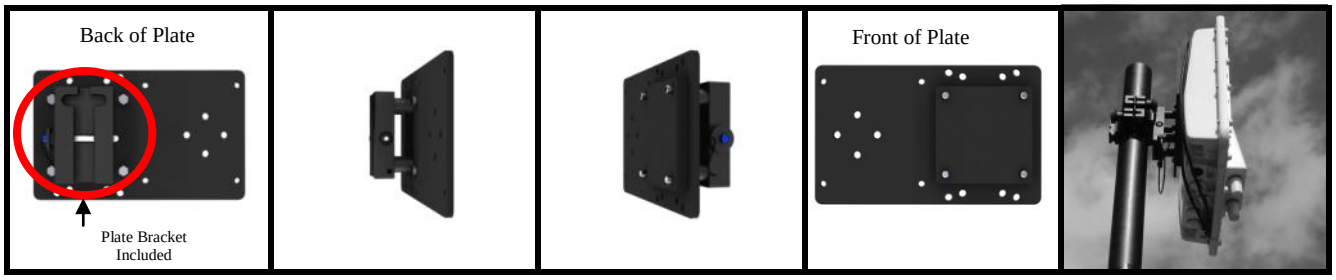
AL1 & AL2 Accessory Guide

Mounting Plates

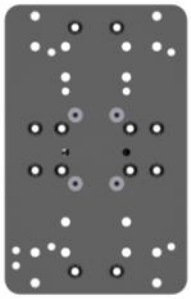
(Plates Include Plate Bracket)



**All of the plates shown in this section of the accessory guide include a Plate Bracket.
These plates can be mounted anywhere on the mast using our Pole Mounts.**



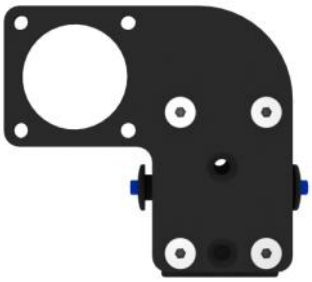
Motorola PTP Radio & LPU
BSM2-A-M415-MOT-BRK



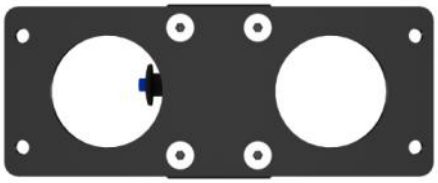
Hoffman NEMA Enclosures
BSM2-A-M412-HFM-BRK



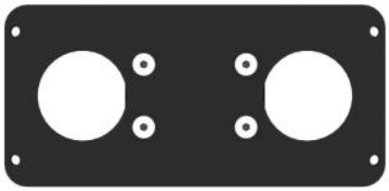
Tampa Micro Satellite Simulator
BSM2-A-M410-MPA-TM2



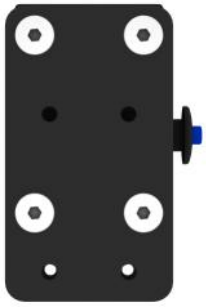
AirGrid M Antennas
BSM2-A-M560-MPP-BRK



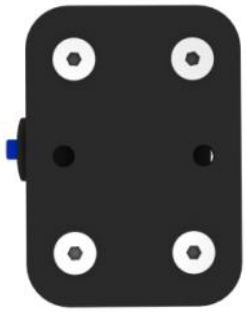
Rajant Breadcrumb Radio
BSMU-A-M580-RAJ-BRK



Rajant Ethernet Radio
BSMU-A-M585-RAJ-BRK



Mobile Mark 120 Sec Antenna
BSMU-A-M710-MMA-BRK



Hyperlink - L-Com Panel Antenna
BSM2-A-M700-MPP-BRK

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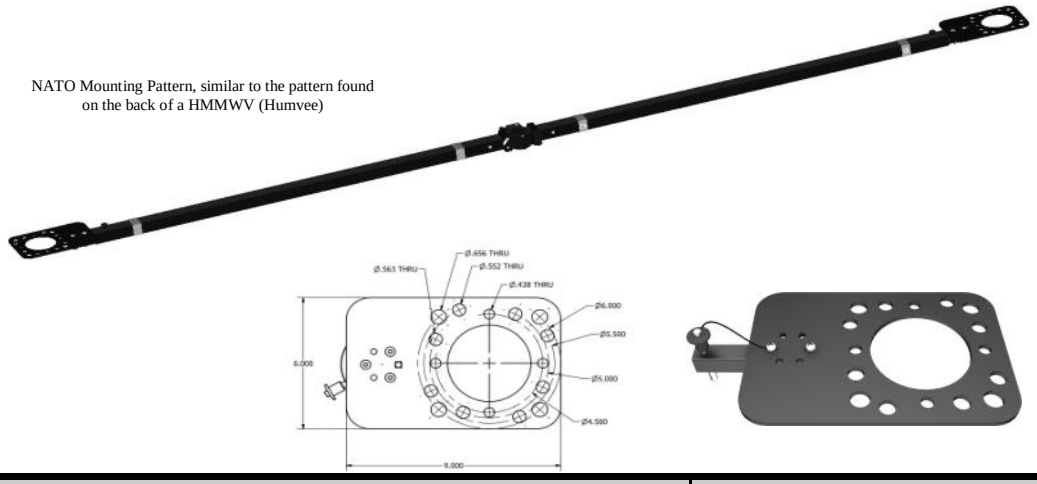
AL1 & AL2 Accessory Guide

Dual Straight Arm Kit with NATO Side Mounts

(1) Pole Mount - Two Sided AL1/Al2, (2) Straight Arm Brackets with Slotted Side Arms, (2) NATO Side Mounts, (1) Accessory Bag



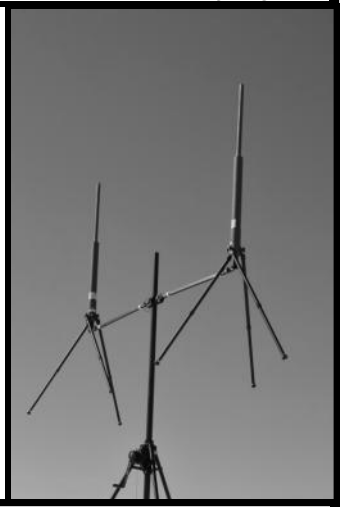


24 Inch Arm x 2	BSM2-K-A352-S24-NTO
36 Inch Arm x 2	BSM2-K-A352-S36-NTO
44 Inch Arm x 2	BSM2-K-A352-S44-NTO

Dual Straight Arm Kit with COM201B/OE254 Side Mounts

(1) Pole Mount - Two Sided AL1/AL2, (2) Straight Arm Brackets with Slotted Side Arms, (2) COM201B/OE254 Side Mounts, (1) Accessory Bag





44 Inch Arm x 2	BSM2-K-A352-S44-OE2

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AL1 & AL2 Accessory Guide

Single Straight Arm Kit (NO SIDE MOUNT)

(1) Pole Mount - Two Sided AL1/AL2, (1) Straight Arm Bracket with Slotted Side Arm, (1) Accessory Bag



6 Inch Arm	BSM2-K-A351-S06-100
12 Inch Arm	BSM2-K-A351-S12-100
24 Inch Arm	BSM2-K-A351-S24-100
36 Inch Arm	BSM2-K-A351-S36-100

Dual Straight Arm Kit (NO SIDE MOUNTS)

(1) Pole Mount - Two Sided AL1/AL2, (2) Straight Arm Brackets with Slotted Side Arms, (1) Accessory Bag



6 Inch Arm x 2	BSM2-K-A352-S06-100
12 Inch Arm x 2	BSM2-K-A352-S12-100
24 Inch Arm x 2	BSM2-K-A352-S24-100
36 Inch Arm x 2	BSM2-K-A352-S36-100

Side Arm Mounts



Boltster Plate
BSM2-P-A101-BOL-EM0



OE-254 & COM201 Antennas
BSM2-K-M400-OE2-EM0



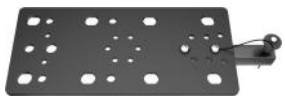
NATO - SINGARS - EPLRS
BSM2-A-M305-NTO-EM0



Cross Pattern 8 x 10
BSM2-A-M408-MPP-EM0



Adjustable Cup Holder
BSM2-P-A100-CUP-EM0



Cisco 1500 Series
BSM2-A-M410-CSC-EM0



Solid 7.5 x 7.5
BSM2-A-M407-MPP-EM0



Solid 11.5 x 11.5
BSM2-A-M411-MPP-EM0



Thrane Explorer 325
BSM2-A-M325-MPP-EM0



HF Pulley Kit
BSM2-K-P500-PUL-EM0

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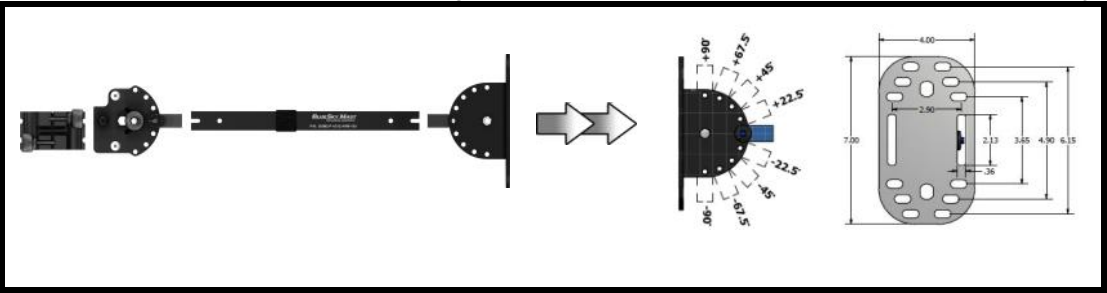
AL1 & AL2 Accessory Guide

Single Articulating Arm Kit with Boltster Plate

(1) Pole Mount - Two Sided AL1/AL2, (1) Articulating Arm Bracket, (1) Slotted Side Arm, (1) Boltster Plate, (1) Accessory Bag



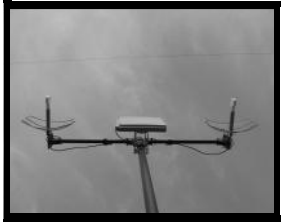




6 Inch Arm	BSM2-K-A351-T06-BOL
12 Inch Arm	BSM2-K-A351-T12-BOL
24 Inch Arm	BSM2-K-A351-T24-BOL
36 Inch Arm	BSM2-K-A351-T36-BOL

Dual Articulating Arm Kit with Boltster Plates

(1) Pole Mount - Two Sided AL1/AL2, (2) Articulating Arm Brackets, (2) Slotted Side Arms, (2) Boltster Plates, (1) Accessory Bag



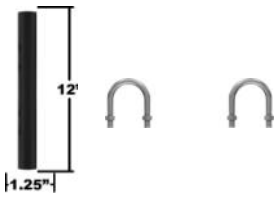




6 Inch Arm x 2	BSM2-K-A352-T06-BOL
12 Inch Arm x 2	BSM2-K-A352-T12-BOL
24 Inch Arm x 2	BSM2-K-A352-T24-BOL
36 Inch Arm x 2	BSM2-K-A352-T36-BOL

Optional Pole Kits - For Use with Boltster Plates





2 Inch Pole Kit
BSM2-K-A200-POL-EM0

1.25 Inch Pole Kit
BSM2-K-A125-POL-EM0





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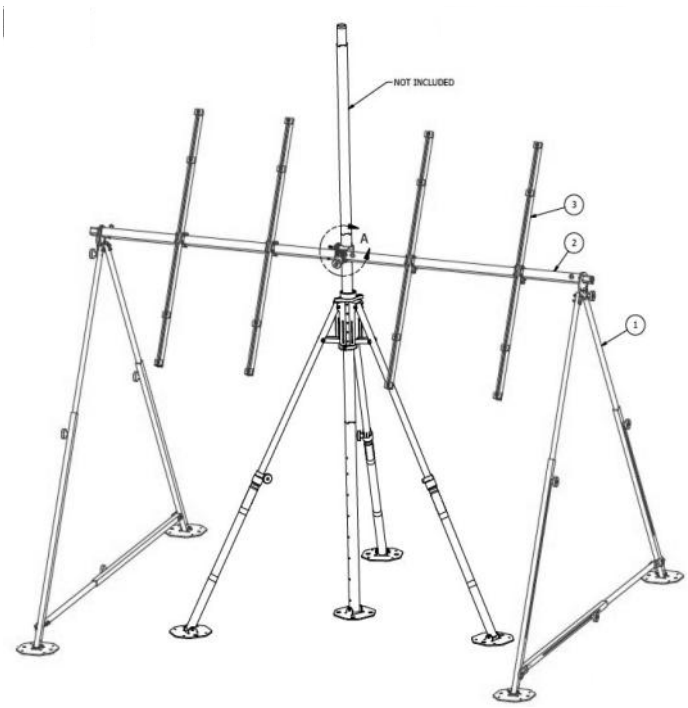
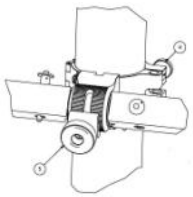
AL1 & AL2 Accessory Guide

Solar Support Kits for AL1 / AL2 Mast Systems

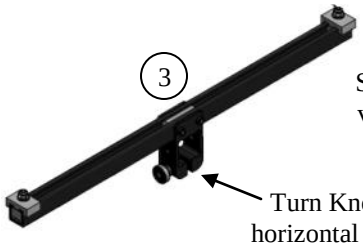
(1) Pole Mount - Two Sided AL1/AL2, (1) Solar Bracket, (2) Solar Struts, (2) Horizontal Arms, (4) Vertical Arms, (1) Stake Kit, (1) Solar Accessory Bag







PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	BSMU-P-T715-SOL-STR	Solar Strut - Telescoping
2	2	BSMU-P-H348-ARM-SOL	Solar Horizontal Arm - 48 in
3	4	BSMU-P-V348-ARM-SOL	Solar Vertical Arm - 48 in
4	1	BSM2-P-A352-T00-000	UNV. POLE MOUNT-DUAL
5	1	BSMU-P-A345-BRK-150	UNV. SOLAR BRACKET 1.5



36 Inch Horizontal & 24 Inch Vertical	**BSM2-K-2H36-V24-SOL**
36 Inch Horizontal & 36 Inch Vertical	**BSM2-K-2H36-V36-SOL**
36 Inch Horizontal & 48 Inch Vertical	**BSM2-K-2H36-V48-SOL**
48 Inch Horizontal & 24 Inch Vertical	**BSM2-K-2H48-V24-SOL**
48 Inch Horizontal & 36 Inch Vertical	**BSM2-K-2H48-V36-SOL**
48 Inch Horizontal & 48 Inch Vertical	**BSM2-K-2H48-V48-SOL**





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AL1 & AL2 Accessory Guide

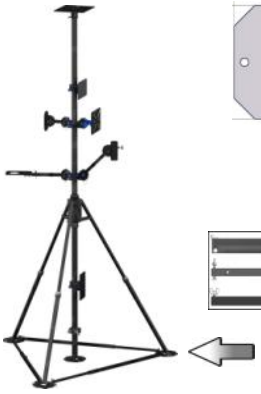
Grounding & Specialty Items

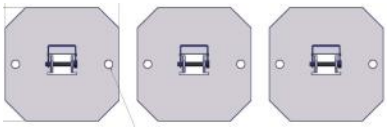


Surface Wire Grounding Kit - AL1 & AL2
BST2-K-L104-GND-000



Pin On Lightning Air Terminal
BST2-K-L102-GND-000





11 x 11 Urban Base Plate Kit
BSM2-K-T711-BSP-ALM



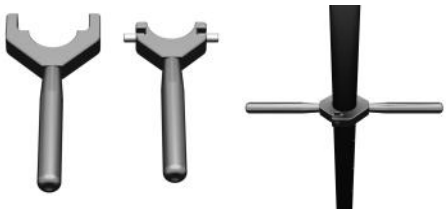
Telescoping Tripod Struts
BSM2-K-T712-BSP-STR



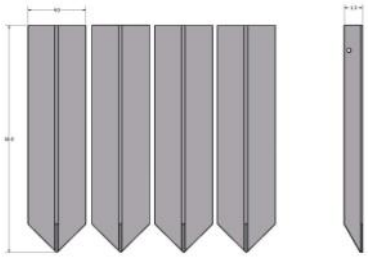
Mechanical Lift Kit (Upgrade)
BSM2-K-L100-LFT-000



HF Pulley Kit
BSM2-K-P500-PUL-000



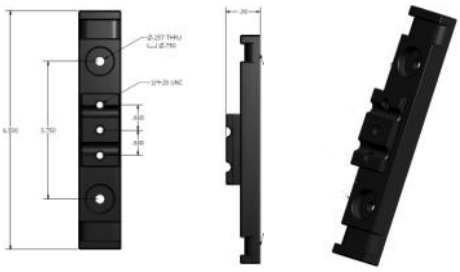
Lift Handles
BSM2-P-Y702-GRP-000



Snow & Loose Soil Guy Stakes
BSM2-K-G600-016-AL0



Pin On Bracket
BSM2-P-M500-PIN-000



Vehicle Mount - Quick Release
BSM2-P-A310-MNT-000



Rotational Tilt Plate - Pelco Camera
BSM2-A-M611-TLT-000



Motorola PTP Mounting Kit
BSM2-K-M415-MOT-000



Pin On Threaded Adaptor
BSM2-P-M510-PIN-000

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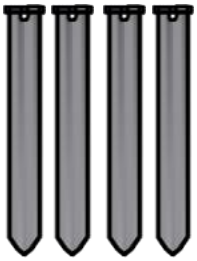
AL1 & AL2 Accessory Guide

Guy Kits

PRIMARY GUY KITS



Primary Guy Ring



Qty: (4) Guy Stakes



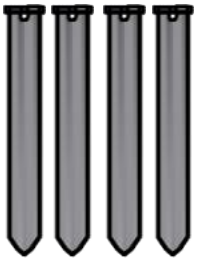
Qty: (4) Primary Guy Ropes

2 Meters	BSM2-K-G602-PRI-RED
3 Meters	BSM2-K-G603-PRI-RED
4 Meters	BSM2-K-G604-PRI-RED
5 Meters	BSM2-K-G605-PRI-RED
6 Meters	BSM2-K-G606-PRI-RED
7 Meters	BSM2-K-G607-PRI-RED
8 Meters	BSM2-K-G608-PRI-RED
9 Meters	BSM2-K-G609-PRI-RED
10 Meters	BSM2-K-G610-PRI-RED
11 Meters	BSM2-K-G611-PRI-RED
12 Meters	BSM2-K-G612-PRI-RED
13 Meters	BSM2-K-G613-PRI-RED
14 Meters	BSM2-K-G614-PRI-RED
15 Meters	BSM2-K-G615-PRI-RED

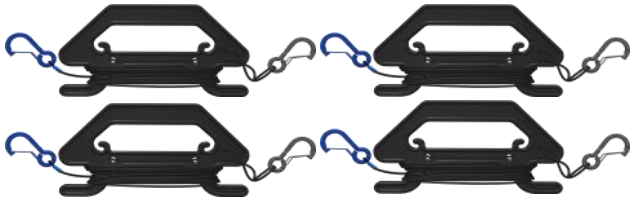
SECONDARY GUY KITS



Secondary Guy Ring



Qty: (4) Guy Stakes



Qty: (4) Secondary Guy Ropes

2 Meters	BSM2-K-G602-2ND-BLU
3 Meters	BSM2-K-G603-2ND-BLU
4 Meters	BSM2-K-G604-2ND-BLU
5 Meters	BSM2-K-G605-2ND-BLU
6 Meters	BSM2-K-G606-2ND-BLU
7 Meters	BSM2-K-G607-2ND-BLU
8 Meters	BSM2-K-G608-2ND-BLU
9 Meters	BSM2-K-G609-2ND-BLU
10 Meters	BSM2-K-G610-2ND-BLU
11 Meters	BSM2-K-G611-2ND-BLU
12 Meters	BSM2-K-G612-2ND-BLU
13 Meters	BSM2-K-G613-2ND-BLU
14 Meters	BSM2-K-G614-2ND-BLU
15 Meters	BSM2-K-G615-2ND-BLU

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AL1 & AL2 Accessory Guide

Custom Design Services

Custom Applications

We have developed standardized interfaces on the mast that allow us to quickly and cost effectively create new mounts to fit any application or device so that you still get the custom look and feel at a fraction of the price. If you have an application and you're not sure how you're going to be able to elevate it, our design team can model it in 3-D, give you a visual representation and then get it into production faster than most companies can ship a standard part.



Best Practices: Mountings

Tools

Simply Put – Tools get lost

Size and Weight

- Smaller is Better
- Lighter is Better

Best Practices

- Make it tool-less
  - If you can't make it tool-less then use as few as possible
- Use Standard Sizes
- One hand is best
  - Lanyards
  - Push Pins
  - Carriage Bolts
- Design can be sexy
- Re-use Same Mounting Pattern across platforms if possible
- Documentation – Mounting Pattern and Solid Models

Before



After

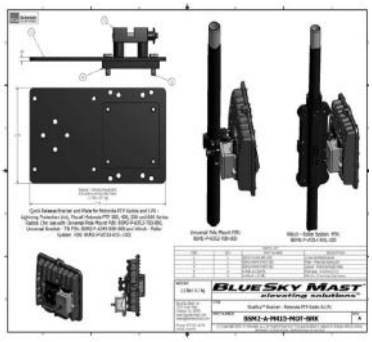


Customer Base :

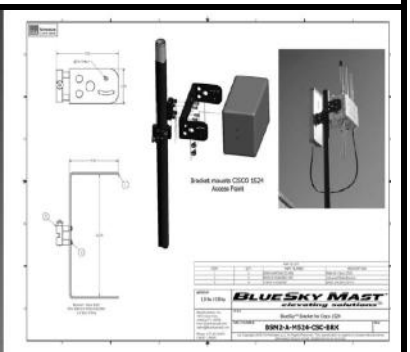
Deployed throughout the world, our clients include 20 of the top 25 US Defense Integrators, Foreign Militaries, all branches of the US Military as well as NASA, DHS, DOD, CIA, NSA, and numerous Federal and State Agencies.



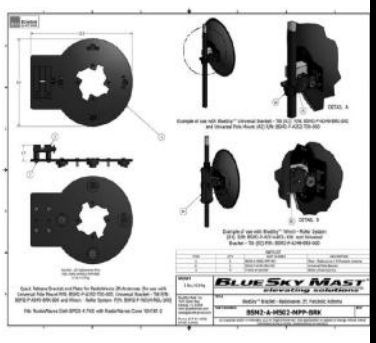




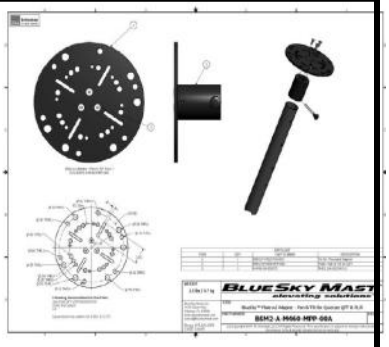












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