

OS80

2 Way Outdoor Loudspeaker



The OS80 is Danley's answer for those who are looking for a high-performance speaker in an outdoor enclosure that is impervious to weather. Featuring a high output 12"/1.4" coaxial driver mated to an 80° conical horn, a single cabinet can produce high quality audio beyond 130dB from a compact full range Synergy Horn™ that weighs only 51 lbs. Utilizing a Synergy crossover network allows for proper phase alignment between frequency bands. This permits the physically separated bands to combine and emerge from the horn as a single source, greatly reducing off axis distortions in frequency response and allowing for greater clarity at long distances. A Sentinel™ protection circuit offers an added level of protection to the high frequency driver. The OS80 includes a heavy-duty aluminum mounting bracket and angle strap.

Utilize our DNA amplifiers or processor for maximum performance and protection with industry leading DSP capabilities.

Performance Specifications

Operating Mode

Passive single channel amplified

Operating Range

113Hz - 18KHz +/-3dB

70Hz - 19KHz - 10dB

Coverage Pattern

80 conical

Transducers

Low 1x12", High 1x1.4"

Power Handling

400 W Cont. | 1600 W Peak

Sensitivity

measured as 2.83V @1m distance

101 dB

Maximum SPL

(continuous | peak)

127 dB | 133 dB

M Noise

coming soon

Impedance

8 Ohm

Recommended Power Amplifier

800 Watts @ 8 Ohm

Physical Specifications

Connections (OS80-NL)

(2) Neutrik NL4 Speakon wired in Parallel

Pin 1+/- | Full Range

Pin 2+/- | Pass Through

Connections (OS80/OS80-70V)

1x 2 Conductor 14 Gauge Lead-in Wire

Mounting / Suspension Points

U-bracket included - 3x 3/8 - 16 TPI Studs

Pole Mount Kit Available

Dimensions / Weight

32.25 x 26 x 14.5 in. | 820 x 660 x 368 mm.

51 lbs | 23.13 Kg

Finish

Matte Gray - Aluminium Bracket & Grill

Matte Black - Black Powder Coated Bracket & Grill

Enclosure Material

Thermal Molded Poly-composite

Options

OS80-G	Gray Install Version
OS80-B	Black Install Version
OS80-NL-G	Gray Install Version W/ NL4 Inputs
OS80-NL-B	Black Install Version W/ NL4 Inputs
OS80-70V-G	Gray Install Version W/ 70V Transformer
PMK-1	Pole Mount Kit for 1 OS Speaker
PMK-2	Pole Mount Kit for 2 OS Speakers
PMK-1-HD	Heavy Duty Pole Mount Kit for 1 OS Speaker
PMK-2-HD	Heavy Duty Pole Mount Kit for 2 OS Speaker
SAK	Safety Anchor Kit

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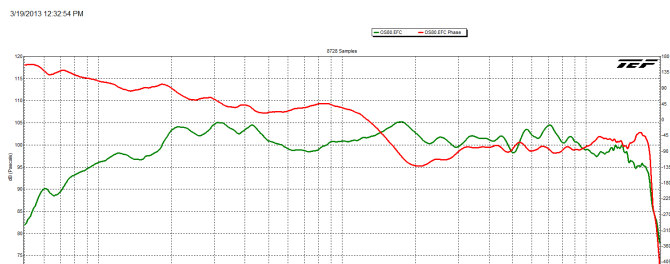


ARCHITECT/ENGINEERS SPECS

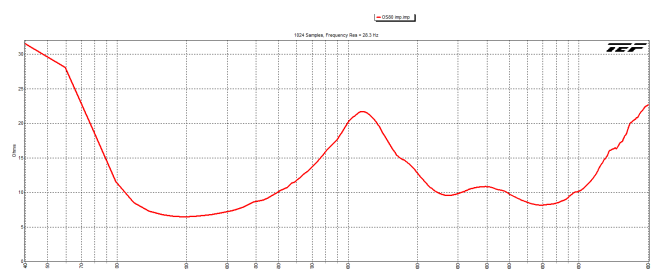
The loudspeaker shall utilize the Synergy Horn patented enclosure. The coverage pattern shall be 80° conical. The loudspeaker shall have an operating range of +/- 3 dB 113 Hz – 18 kHz. Sensitivity of 101 dB SPL @ 1m. Output of 127dB SPL/133 dB SPL Peak. Power handling shall be 400 Watts continuous, 800 Watts program.

The loudspeaker shall be constructed of thermal molded poly composite, with an aluminum grill. The Loudspeaker shall be the Danley Sound Labs OS80.

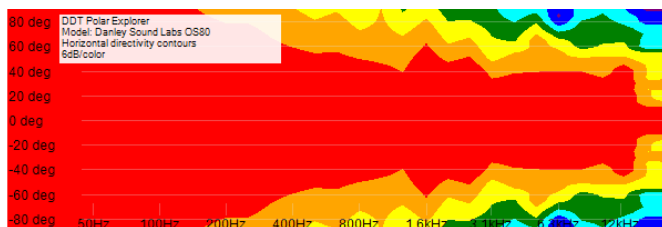
Sensitivity



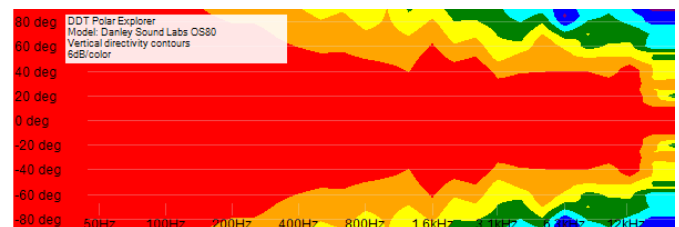
Impedance



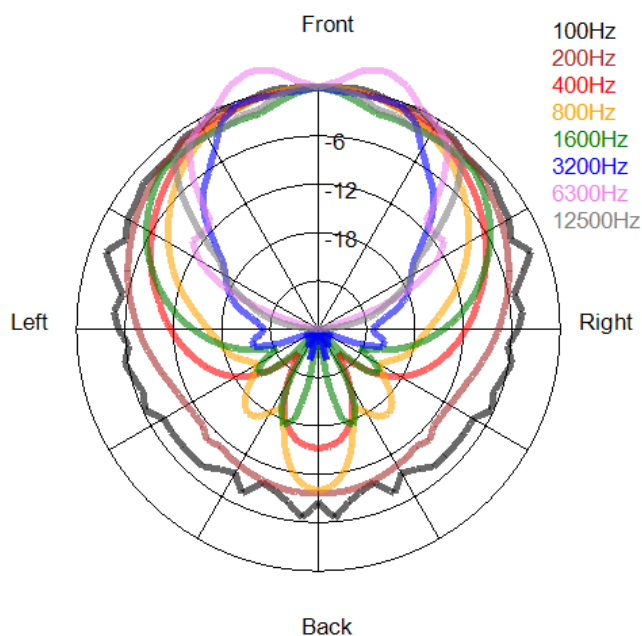
Horizontal Directivity Contour



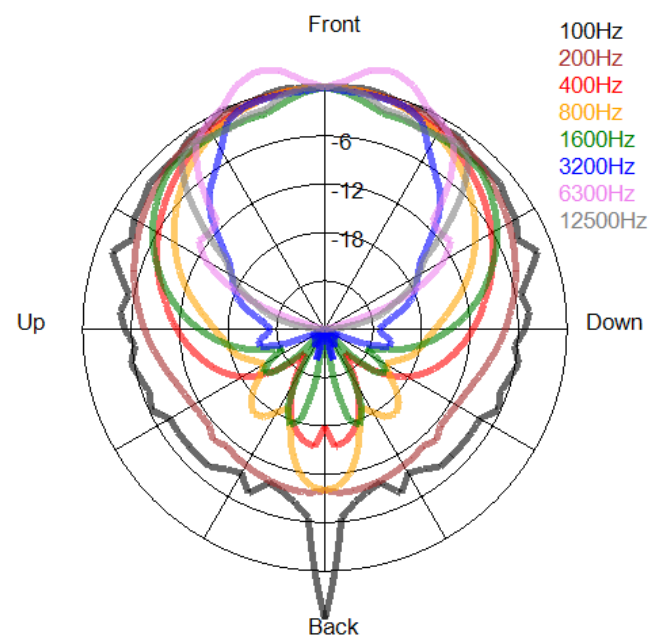
Vertical Directivity Contour



Horizontal Polar Response



Vertical Polar Response



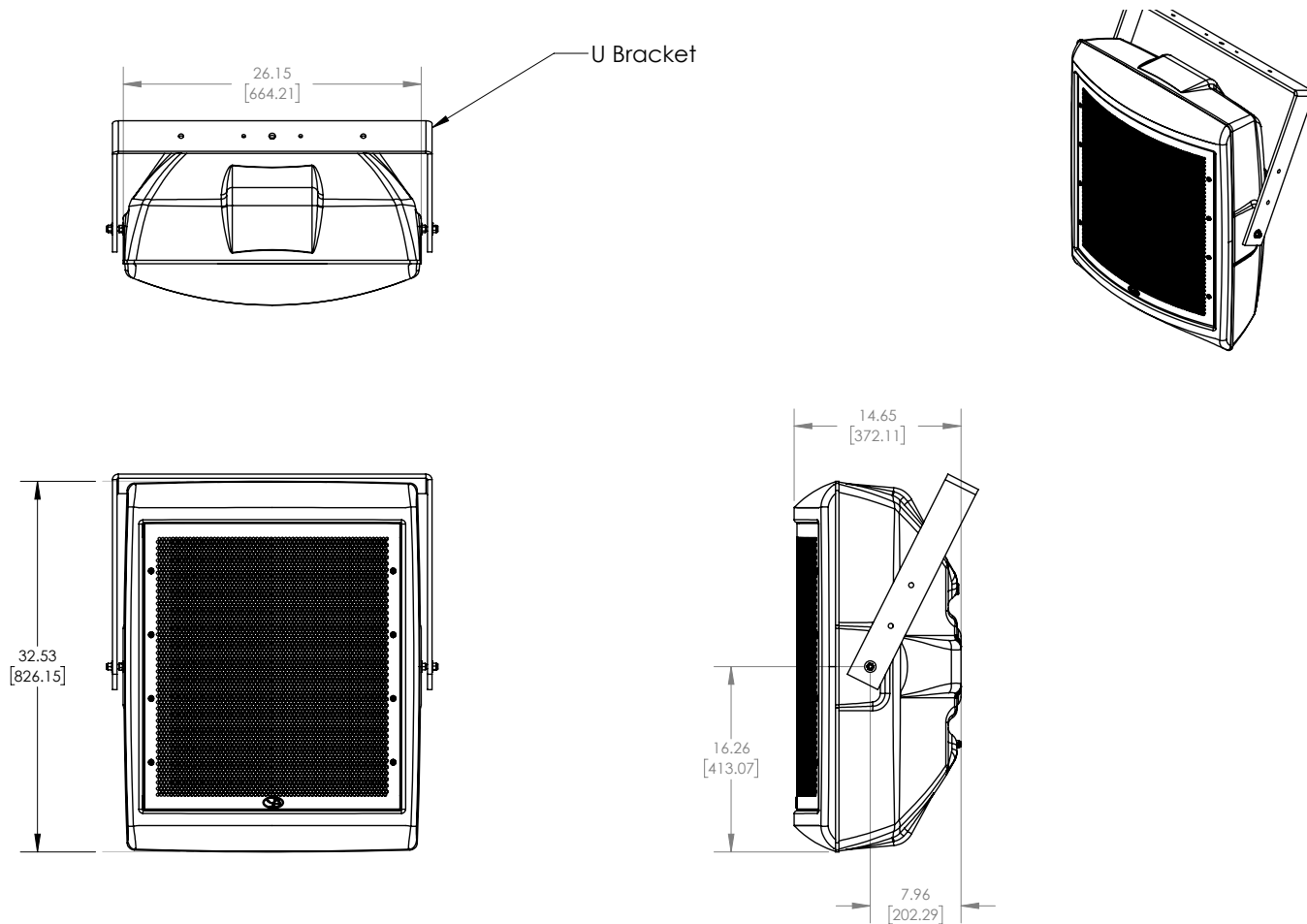
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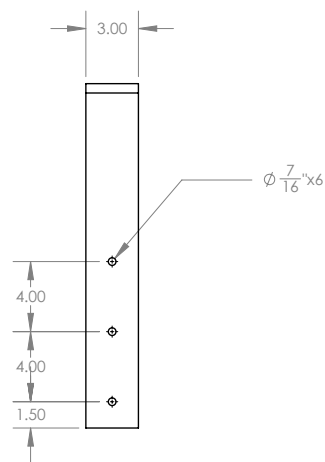
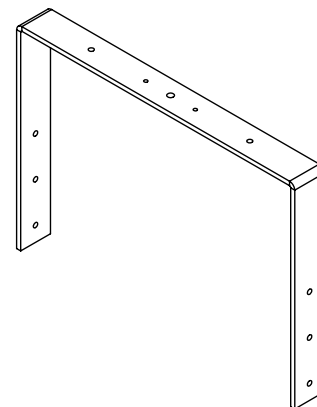
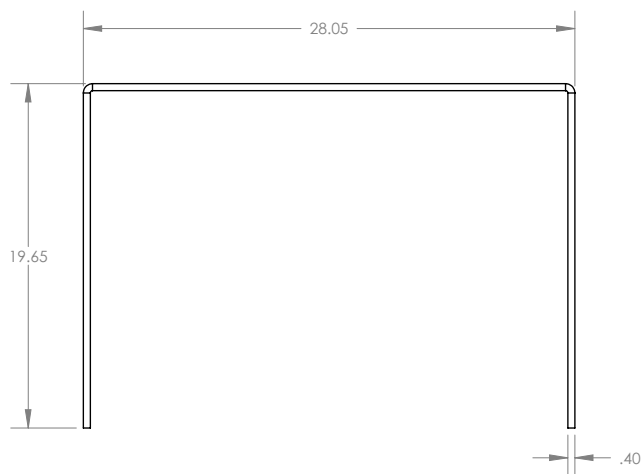
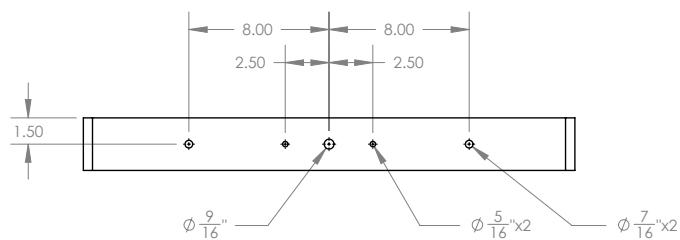
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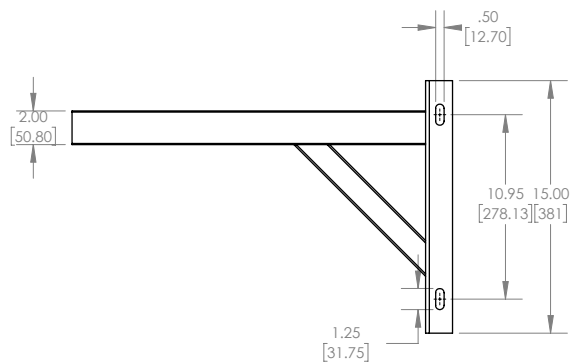
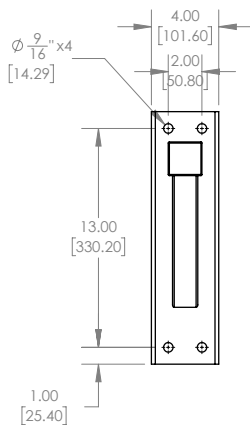
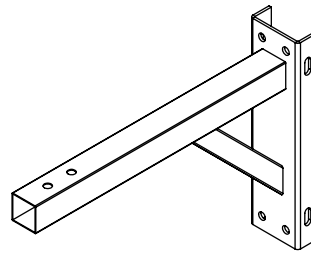
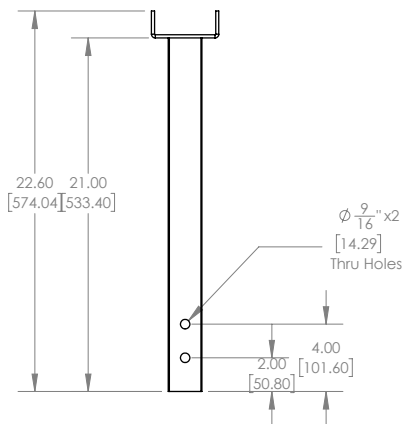


U-Bracket



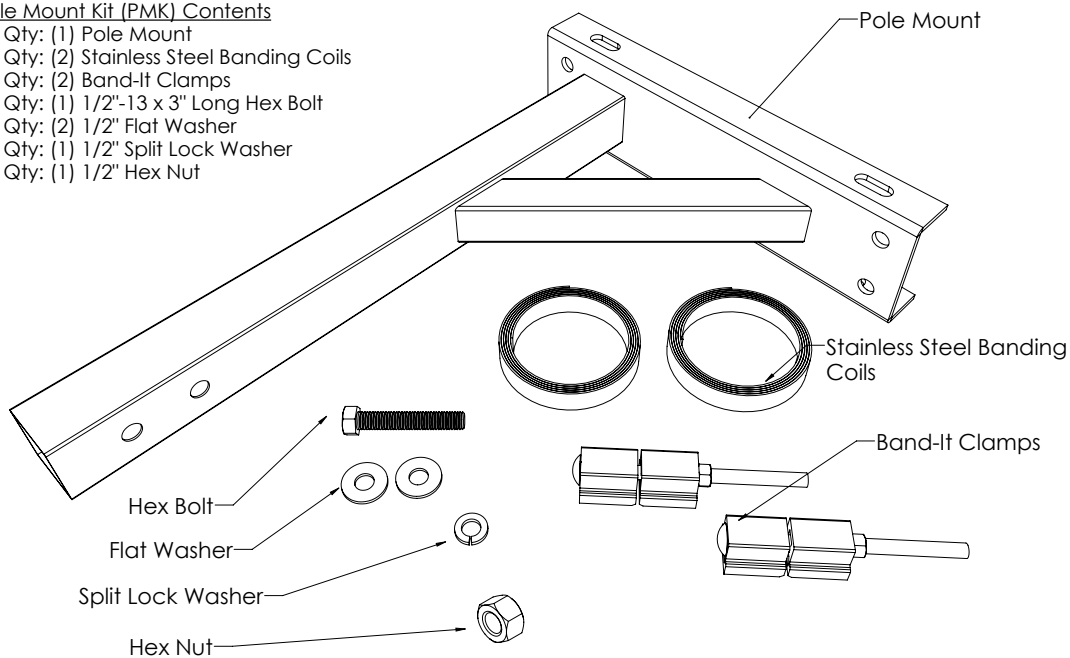
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PMK 1 - Pole Mount Kit



Pole Mount Kit (PMK) Contents

- Qty: (1) Pole Mount
- Qty: (2) Stainless Steel Banding Coils
- Qty: (2) Band-It Clamps
- Qty: (1) 1/2"-13 x 3" Long Hex Bolt
- Qty: (2) 1/2" Flat Washer
- Qty: (1) 1/2" Split Lock Washer
- Qty: (1) 1/2" Hex Nut

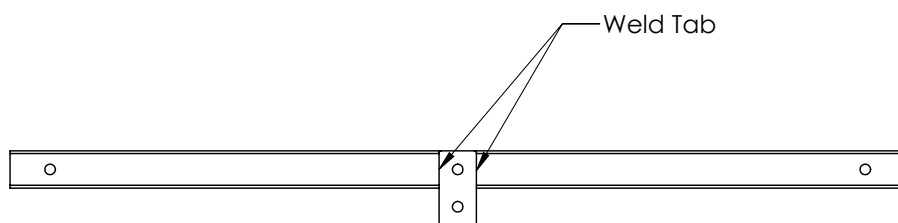
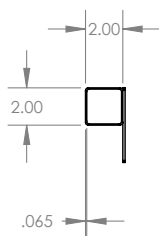
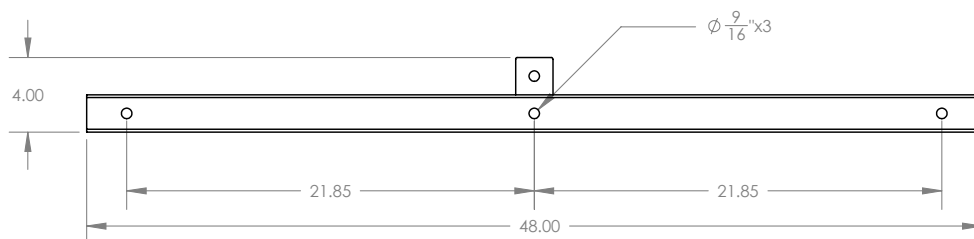
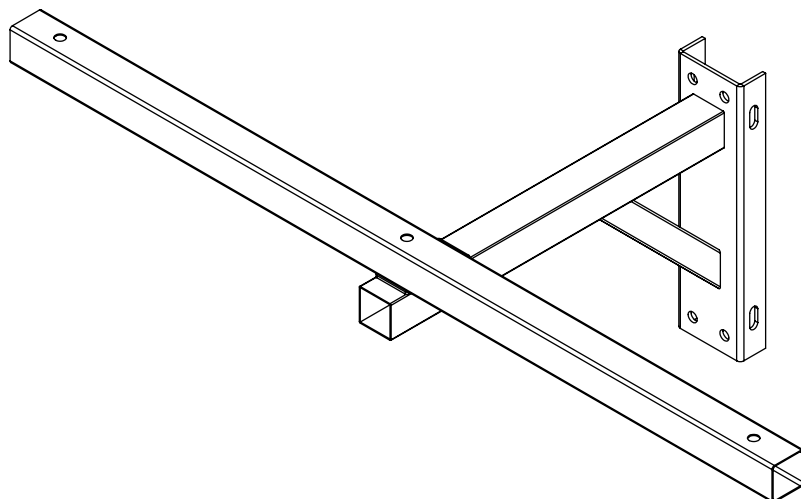


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PMK 2 - Pole Mount Kit



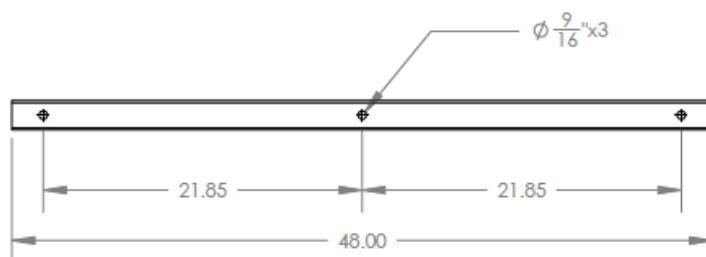
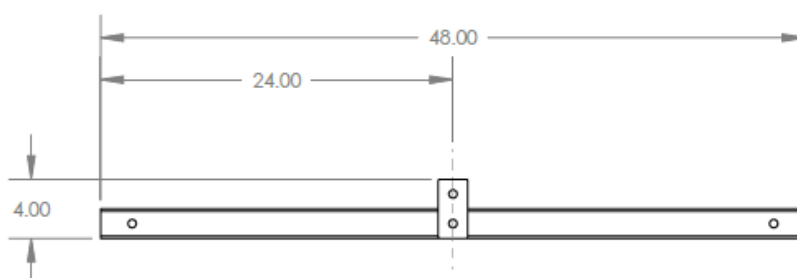
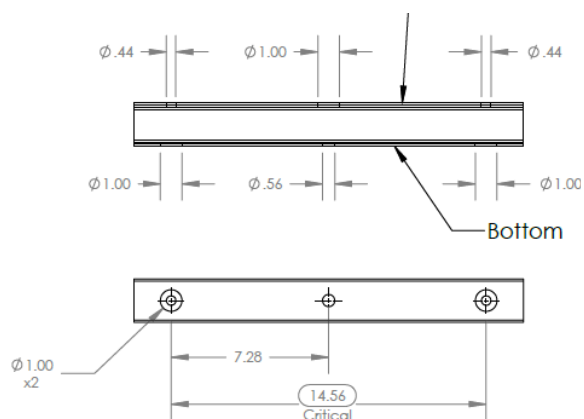
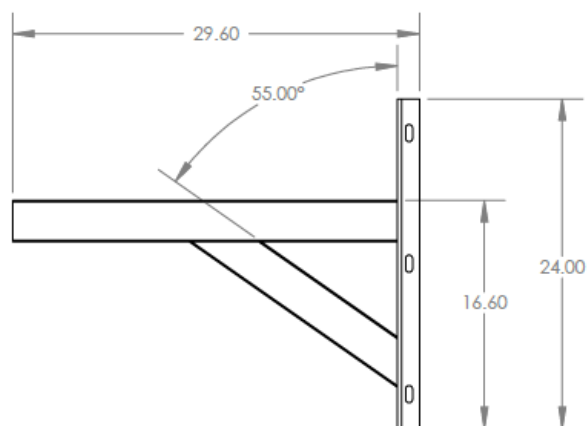
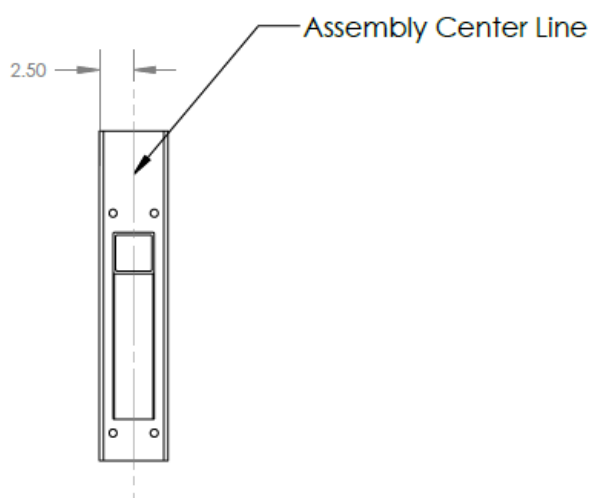
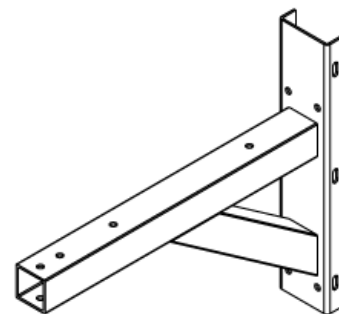
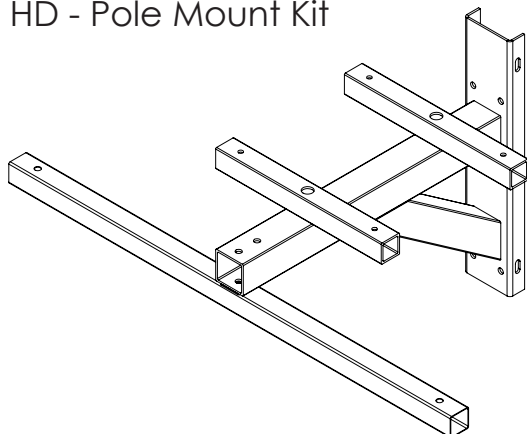
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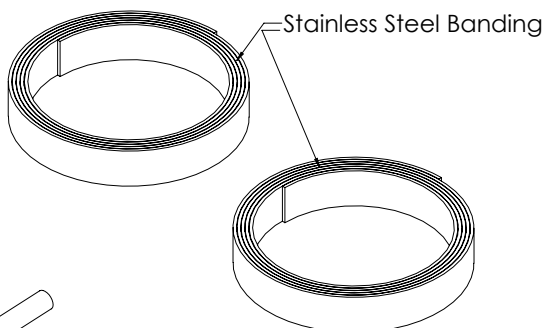
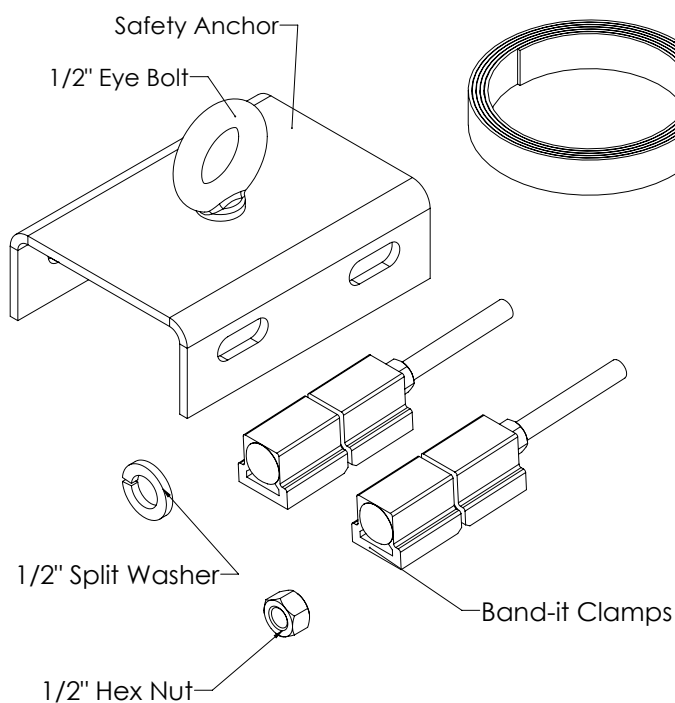
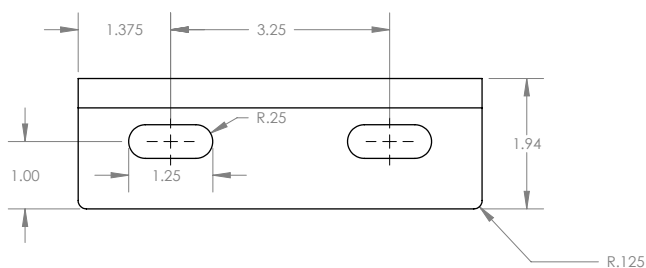
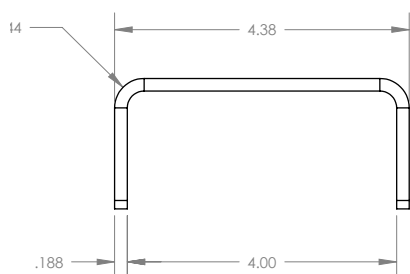
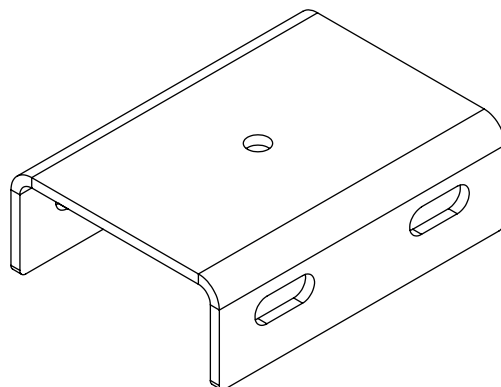
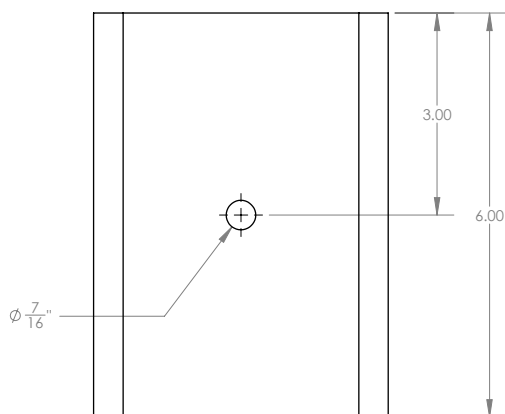


PMK HD - Pole Mount Kit



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SAK - Safety Anchor Kit



Safety Anchor Kit (SAK) Contents

- Qty: (1) 1/2" Eye Bolt
- Qty: (1) Safety Anchor
- Qty: (2) Stainless Steel Banding Coils
- Qty: (2) Band-it Clamps
- Qty: (1) 1/2" Hex Nut
- Qty: (1) 1/2" Split Washer

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