

USA Series Protective Mounting Stands

For Selected Light Screen Sensors

USA Series Description

Banner USA Series Protective Mounting Stands are for use with light screen emitters and receivers. They are designed to deflect physical impact and flying material, such as weld spatter, preventing damage to the sensor or its lens.

USA Series Features

- Available in two sizes to fit sensors up to 56" long
- Easy to mount to wall, post, machine frame or MSA Series base
- Protects one side and front window of light screen sensor, or combine two in a U-shaped configuration to protect entire sensor (see Figure 2)
- For use with MICRO-SCREEN[®], MINI-SCREEN[®], or MINI-ARRAY[™] emitters and receivers (MINI-SCREEN and MINI-ARRAY applications require the use of MSMB-4 mounting brackets)

USA Series Models

Model Number	Length "L"	For MICRO-SCREEN Sensors	For MINI-SCREEN or MINI-ARRAY Sensors*
USA-PMS-40	40"	4" to 36"	4" to 36"
USA-PMS-62	62"	4" to 56"	4" to 48"

*Requires one MSMB-4 (p/n 48954) mounting bracket pair for each sensor.

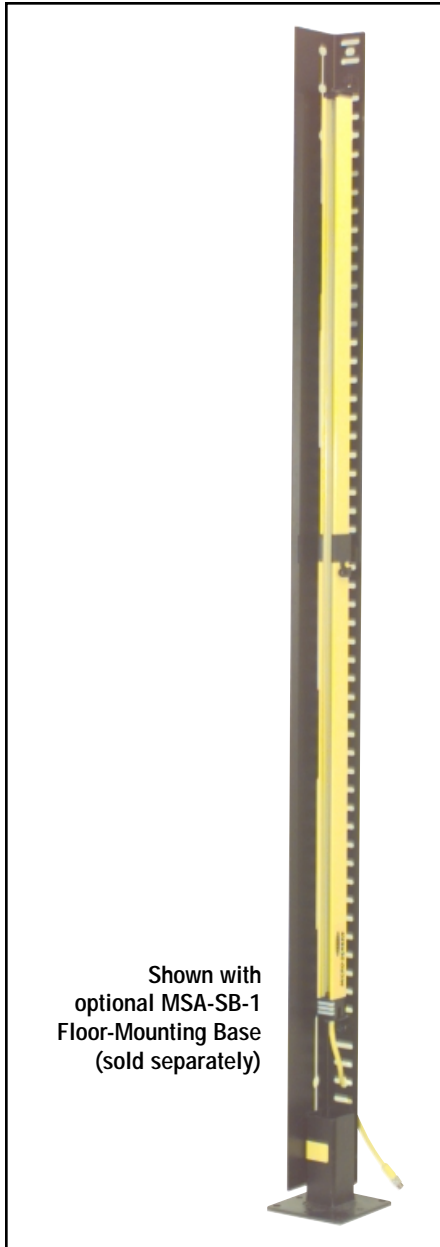
USA Series Specifications

Construction	11 ga. AWG cold-rolled steel
Finish	Zinc-plated, chromate dip, black
Weight	40": 6.15 lb. (without base) 62": 9.70 lb. (without base)



WARNING . . . Maintain Required Separation Distance

The Defined area (light screen) produced by the MICRO-SCREEN[®] or MINI-SCREEN[®] sensors must be placed at a minimum safe distance from the dangerous motion of the machine being guarded. This necessary minimum distance is called the separation distance, and is discussed in Section 3 of MICRO-SCREEN, MINI-SCREEN and MULTI-SCREEN instruction manuals. Failure to calculate this distance correctly and to maintain minimum separation distance can result in serious injury or death.



Shown with optional MSA-SB-1 Floor-Mounting Base (sold separately)

USA Series Protective Mounting Stands

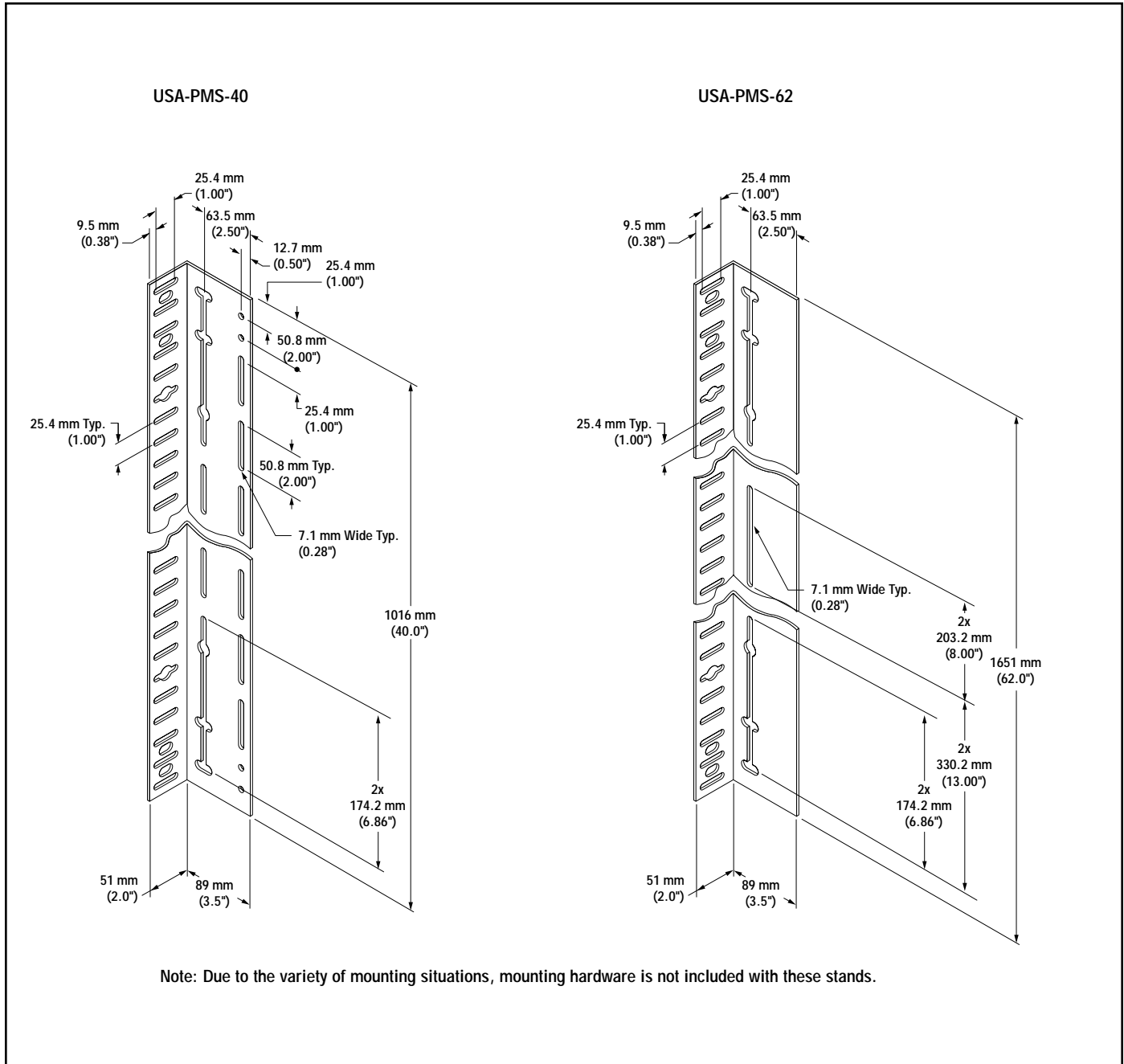


Figure 1. USA Series Protective Stand dimensions

USA Series Protective Mounting Stands

Mounting the USA Series

Banner USA Series Protective Mounting Stands may mount directly to a wall or post, to the machine frame, or to the accessory base listed below. They may be used individually, or in pairs, to provide maximum protection. When used in pairs, the two stands form a U-configuration, with the sensor recessed well back from the front of the stand.

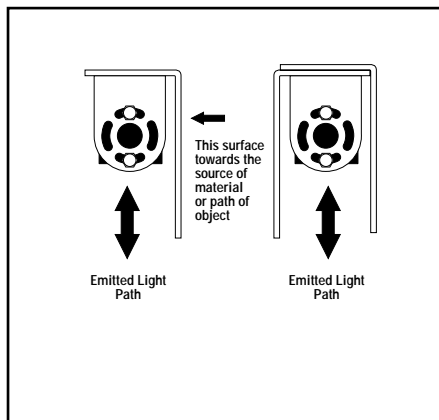


Figure 2. One Protective Stand protects back and one side of sensor; or mount two together to form a U-channel to protect all sides

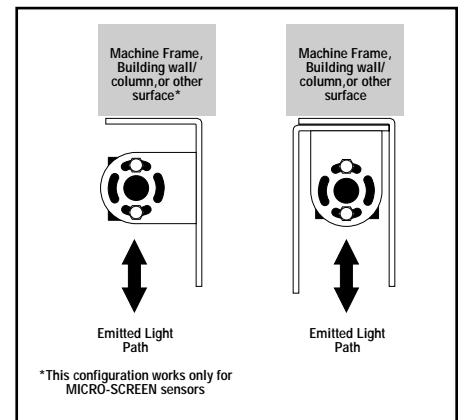


Figure 3. Mounts to wall, column, machine frame or other surface, with sensor against either of the two sides

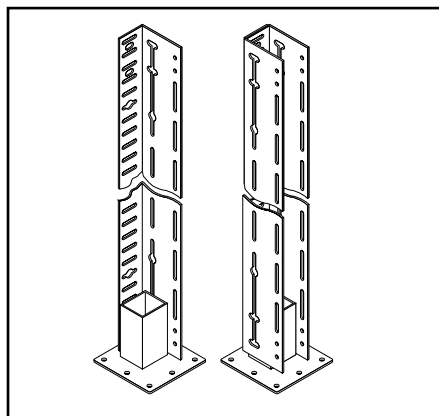


Figure 4. Mounts to steel Floor-Mounting Base (sold separately, hardware included with base)

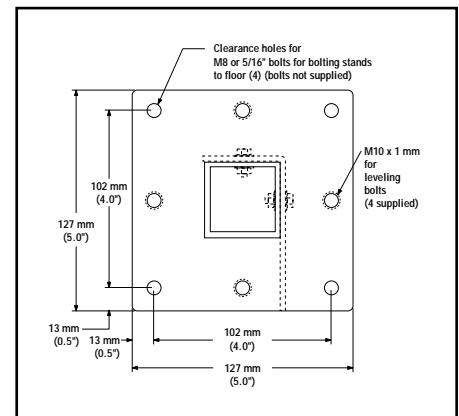


Figure 5. Model MSA-SB-1 Floor-Mounting Base dimensions

USA Series Accessories

Model Number	Description
Base	
MSA-SB-1	Floor-Mounting Base with hardware (order one per stand or U-configuration pair of stands)
Brackets	
MSMB-4	Brackets for mounting MINI-SCREEN or MINI-ARRAY (order one per sensor)

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the machine safety specialist

WARRANTY: Banner Engineering Corp. warrants its products to be free from defects for one year. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture found to be defective at the time it is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application of Banner products. This warranty is in lieu of any other warranty either expressed or implied.