



Tubular Specialties Manufacturing, Inc.

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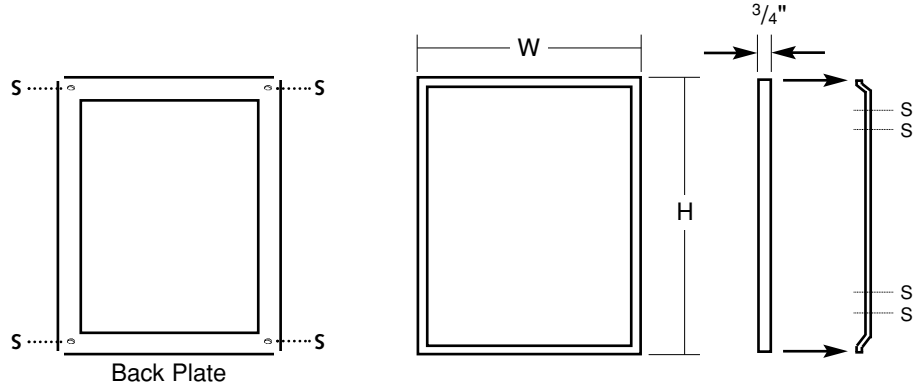
M-1

Angle Frame Mirror

Technical Data

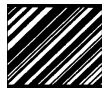
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Design Considerations

- TSM's snap-on mirror mounting system offers quick and easy installation.
- The snap-on system resists vandalism because the fasteners are hidden and not easily accessible; however, the frame can be removed to replace broken glass (see Installation).
- Can be mounted sideways.
- The M-1-6 Angle Frame with Stainless Steel Mirror is recommended for areas with high risk of vandalism; however, because polished stainless steel cannot reflect images as sharply as glass, there is slight image distortion with these mirrors (which worsens as the size of the mirror increases).
- The M-1-7 Angle Frame with Tempered Glass Mirror is recommended for public areas (parks, schools, etc.) because tempered glass shatters when broken, which is safer than splinters from broken plate glass.



Finishes and Model Numbers

- Satin** The standard finish, also known as #4 brushed finish.
- Bright** Bright annealed, also known as polished finish. A look that is similar to chrome
- Powdercoated** White, Almond, Biscuit, Parchment, Light Mocha, Taupe, Rosy Taupe, Wheat, Sun Gold, Nutmeg, Vanilla, Navy, Slate Blue, Gray, Seafoam Green, Forest Green, Verdigris, Turquoise, Pink, Red, Black.
- Plated** All plated products have a clear baked enamel finish. *Colors:* Bright Brass, Satin Brass, Antique Brass, Antique Bronze, Satin Bronze, Black Nickel, Satin Nickel, Bright Copper.

MIRROR

FRAME FINISH

	Plate Glass	Stainless Steel	Tempered Glass	Laminated	Plexiglass
Bright	<input type="checkbox"/> M-1	<input type="checkbox"/> M-1-6	<input type="checkbox"/> M-1-7	<input type="checkbox"/> M-1-8	<input type="checkbox"/> M-1-9
Satin	<input type="checkbox"/> M-01	<input type="checkbox"/> M-01-6	<input type="checkbox"/> M-01-7	<input type="checkbox"/> M-01-8	<input type="checkbox"/> M-01-9
Powdercoated	<input type="checkbox"/> M-1/POWD	<input type="checkbox"/> M-1-6/POWD	<input type="checkbox"/> M-1-7/POWD	<input type="checkbox"/> M-1-8/POWD	<input type="checkbox"/> M-1-9/POWD
Plated	<input type="checkbox"/> M-1/PLAT	<input type="checkbox"/> M-1-6/PLAT	<input type="checkbox"/> M-1-7/PLAT	<input type="checkbox"/> M-1-8-PLAT	<input type="checkbox"/> M-1-9/PLAT



Suggested Architectural Specification

TSM model # _____ [fill in model number] Angle Frame Mirror from TSM. Tubular Specialties Manufacturing, Inc., 13011 So. Spring St., Los Angeles, California, 90061, 310/515-4801 or 800/Call TSM (800/225-5876).

Frame: Stainless steel type 304 (18-8) 18 gauge (1.2 mm) angle. Ends are mitered and welded to form a single structural unit with locking tabs welded to inside of frame. Frame snaps directly onto back plate with no visible fasteners. Back Plate: Galvanized steel 22 gauge (0.7 mm) with holes drilled in support areas. Finish: _____ [Satin] [Bright] [Powdercoated Color _____] [Plated Color _____]. Mirror: [1/4" Plate glass (6.4 mm) with electrolytic copper back, guaranteed 15 years against silver spoilage] [Stainless steel bright finish type 304 (18-8) 18 gauge (1.2 mm)] [1/4" Tempered glass (6.4 mm) with electrolytic copper back, guaranteed 15 years against silver spoilage] [1/4" Laminated glass] [Plexiglass 1/4" acrylic plastic]. Mirror Dimensions: _____ x _____ (Width x Height).



Materials/Workmanship

Frame Stainless steel type 304 (18-8) 18 gauge (1.2 mm), roll formed. Ends are mitered and notches cut before all corners are bent and welded to form a single structural unit. Locking tabs are spot welded to the inside of frame prior to polishing.

Back Plate Galvanized steel 22 gauge (0.7 mm). Corrosion resistant. Holes drilled in support areas.

Plate Glass Mirror 1/4" Plate glass (6.4 mm) with electrolytic copper back. Maximum size is 144" x 72" (3658 x 1829 mm).

Stainless Steel Mirror Stainless steel type 430 (18-8) 18 gauge (1.2 mm) bright annealed. Protected during shipment with PVC Covering. Maximum size is 120" x 48" (3048 x 1219 mm).

Tempered Glass Mirror 1/4" Tempered glass (6.4 mm) with electrolytic copper back. Maximum size is 24" x 36" (610 x 914 mm).

Mirror Backing Resilient ethafoam strips provide cushioning while leaving ample room for ventilation.



Sizes

- Sizes are overall frame dimensions.
- For sizes larger than shown, contact the factory.
- Sizes larger than 120" x 48" will be fabricated in two sections.
- **Can be mounted sideways.**
- Figure approximately 5 pounds per square foot.

Standard Sizes 12" x 18", 16 x 20", 16" x 22", 16 x 24", 16" x 30", 18" x 24", 18" x 30", 18" x 36", 20" x 60", 24 x 24", 24" x 30", 24" x 36", 24" x 48", 24" x 60", 24" x 72", 30" x 48"

Qty. ____ x ____	Qty. ____ x ____	Qty. ____ x ____
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Installation

1. Surface mount back plate to wall at locations marked by an "S". It is the installer's responsibility to select fasteners that are appropriate for the wall condition and application.
2. After back plate is secured to wall, place mirror in frame, position frame over back plate and snap into place for a vandal-resistant installation with no exposed fasteners.
3. To remove an installed mirror, insert flat piece of metal such as a wide-blade screwdriver at 2" (51mm) in from the top corners to unsnap the snap-lock frame.



Guarantee

TSM M-1 Angle Frame Mirrors are guaranteed against defects in workmanship and material for one year from shipping date. Plate glass and tempered glass are guaranteed against silver spoilage for 15 years.