

TECHNICAL DATA SHEET

Product: MASCO Safety Rail Post
Revision Date: 3/15/2023

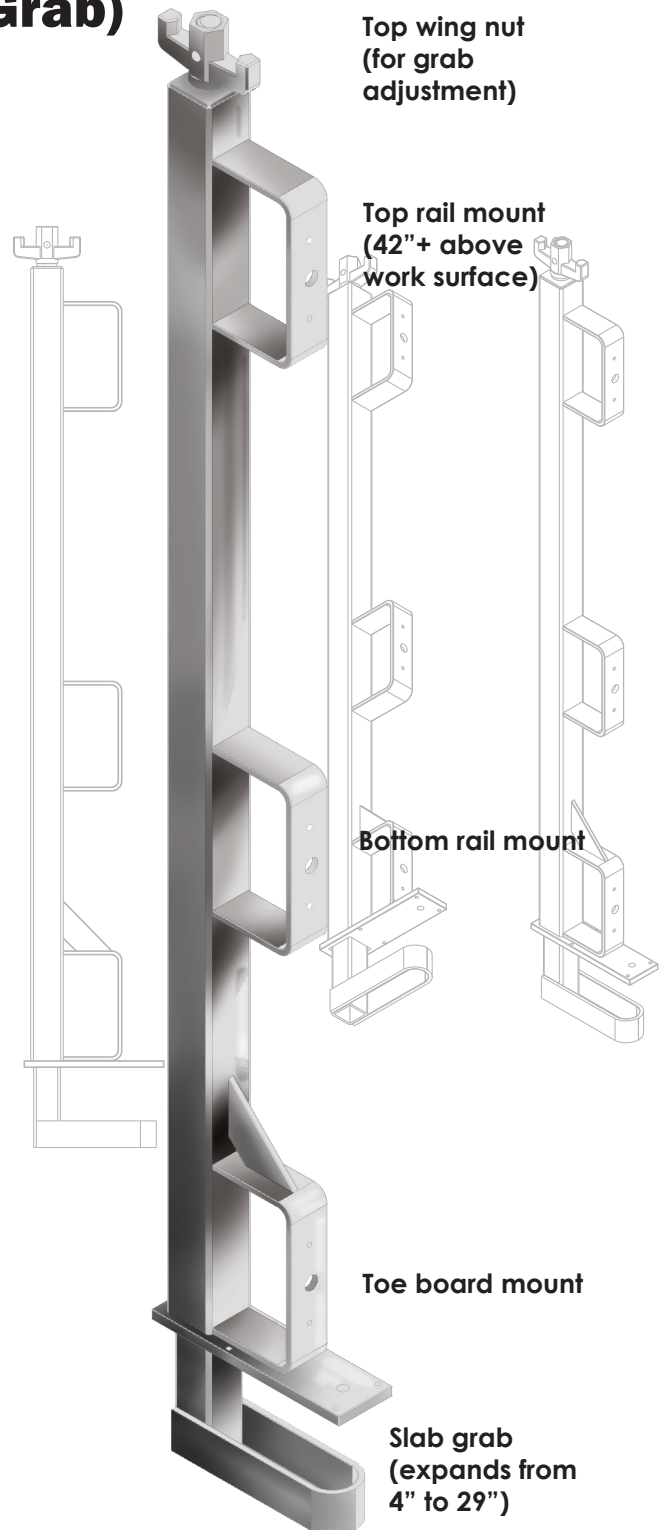
MASCO Safety Rail Post (Slab Grab)

FEATURES

- Safety Rail Post opens wide and tightens quickly adjusting to floor slab thickness between 4" and 29".
- Height of top rail is over 42".
- Easily installed utilizing a top adjusting wing nut which creates the ability to tighten from a standing position.
- Designed to be used with 2" x 4" or 2" x 6" wood components with a minimum 1,500 psi fiber (stress grade) construction grade lumber, or wire with minimum tensile strength of 500 pounds per OSHA guidelines.
- Specially designed base adds to the simplicity of setup with predrilled holes providing secure fastening to decks.
- The 28 lb Safety Rail Post is designed to withstand tough jobsite conditions.
- Hot Dipped Galvanized for extra corrosion resistance.

INSTALLATION

- The MASCO Safety Rail Post is one component of a complete perimeter fall protection system installed by the user. Proper installation of the post includes the proper assembly of all lumber members supplied and installed by the user. Guardrails, midrails and toeboards must be installed in accordance with the most current OSHA and local worker safety recommendations.
- Before installing Safety Rail Posts, the entire work surface area must be free of all hazards, including, but not limited to debris, gravel, latent concrete, or a loose or slippery surface which could interfere with full bearing of the post clamp.
- Lay out the job by measuring and spacing the location of the Safety Rail Posts. Failure to properly measure and plan ahead may result in having to move and reinstall system components.
- The posts must be placed with no more than 6'-0" of space between posts, or more than 12" from any outside or inside corner.
- The MASCO Safety Rail Post must be positioned perpendicular to work surface with rail mounts facing to the inside of the work area.
- The MASCO Safety Rail Post is easily installed utilizing



a top adjusting wing nut which gives the user the ability to tighten from a standing position.

- Open the post clamp slightly more than the desired slab thickness by turning the adjustment nut on top of the post. Place the clamp over the slab edge ensuring that the vertical is against the slab edge and the clamping plate is perpendicular to the slab edge. Tighten the top wing nut securely against the deck surface. The MASCO Safety Rail Post must be installed flush against the deck surface and secured with proper fasteners to the deck to ensure safety.
- Tighten the clamp adjustment wing nut to a torque of 150 ft lbs.
- Install a 1/4" x 3" Titan HD or equal removeable concrete anchor in the base clamping shoe to prevent movement of the post. The anchor embedment shall be a minimum of 2-1/2" inches deep.
- Top rails must be 42" above the work surface or, if used in stilt work applications, 42" plus height of stilts.
- Any lumber used for guardrails, midrails, and toe boards must be 2" x 4" or 2" x 6" with a minimum 1,500 psi fiber (stress grade) construction grade lumber per OSHA guidelines. Overlap lumber a minimum of 12" at rail mounts and secure with a 16d duplex nail or #10 screw through nail holes provided in rail mounts.
- Toe boards are REQUIRED if a risk exists for tools, equipment, materials, or other substances to fall down to a lower level.
- Toe boards must be a 4" nominal in vertical height from their top edge to the work surface, and must not have greater than 1/4" clearance between their bottom edge and the work surface.

PRECAUTIONS

- IMMEDIATELY quarantine if defects or damage is found, or if the equipment is exposed to forces of fall arrest.
- Maximum spacing of 6 lineal feet between rail posts.
- NEVER install on debris, gravel, latent concrete, or other loose or slippery surfaces.
- Must be secured to deck with proper fasteners to ensure safety.
- Guardrail systems must be installed a minimum 10 feet from power lines and all other electrical hazards.
- Use of equipment for unintended applications could result in serious injury or death.
- Never make any connections to Safety Rail Post System.
- Never lean or climb on Safety Rail Post System.

MAINTENANCE

- Prior to EACH use, inspect for deficiencies, including, but not limited to; bent or damaged sections, broken wing nuts or welds, missing pins on wing nuts, loose inner threaded rod, loose inner bottom leg, corrosion, deformation, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration.
- Cleaning after use is important for maintaining the safety and longevity. Remove all dirt, corrosives, and contaminants before and after each use. If the Safety Rail Post cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean with corrosive substances.
- When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.
- IMMEDIATELY quarantine if defects or damage are found, or if the equipment is exposed to forces of fall arrest.

TECHNICAL SERVICE

For additional technical details or instructions, please contact:

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