

MODEL NO. 60107 Twister

PARTS LIST

| DESCRIPTION | No. REQ'D | PART NUMBER |
|----------------------------------|-----------|-------------|
| Twister | 1 | 302971 |
| Twister Frame | 1 | 302875 |
| Twister Support Bracing | 2 | 302873 |
| Hardware Complete | 1 | 302805 |
| 2 3/8" O.D. Half Clamp w/4 Holes | 1 | 302016* |
| 5" O.D. Deck Clamp | 2 | 301989* |
| 5" O.D. Half Clamp | 4 | 301000* |
| 1/4" x 3/4" Drive Rivet | 10 | 168449* |
| 3/8" Barrel Nut | 4 | 804804* |
| 3/8" Flat Washer | 28 | 817410* |
| 3/8" Heavy Hex Nut | 2 | 804200* |
| 3/8" x 1" P.B.H.C.S. w/Patch | 4 | 812050* |
| 3/8" x 1 1/2" P.B.H.C.S. w/Patch | 2 | 812053* |
| 3/8" x 1 1/4" P.B.H.C.S. w/Patch | 8 | 812051* |
| 3/8" x 1 3/4" P.B.H.C.S. w/Patch | 2 | 812054* |
| 3/8" x 2 1/4" P.B.H.C.S. w/Patch | 2 | 812056* |
| 3/8" Lock Nut | 12 | 804353* |

*Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware*

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.

SPECIFICATIONS:

Clamps are cast from a 356 high-strength aluminum alloy with a baked-on polyester powder-coated finish. 2-3/8" O.D. Half-Clamp (4 holes) is fabricated from 3/16" thick steel, with a baked-on polyester powder-coated finish. Twister Frame is fabricated from 2-3/8" O.D. 10-gauge galvanized steel tubing stainless welded to 5" O.D. steel Half Clamps for attachment and receives a baked-on polyester powder-coated finish. Support Bracings are fabricated from 1-5/16" O.D. 14-gauge steel tubing and receive a baked-on polyester powder-coated finish. Playwheel is an all-welded steel wheel free-turning. A grease impregnated bronze bushing is pressed into the shaft to provide smooth turning. Inside and outside brackets are formed from 1/4" thick steel plate. The entire Twister is plastisol-coated after fabrication.

All hardware is stainless steel.

Weight: 63 lb. / 28.6 kg

INSTALLATION INSTRUCTIONS:

1. Locate the Upright Posts intended to receive the Twister. Refer to your overhead drawing. They should be placed 4' apart. Dig the footing holes as shown in the assembly diagram.
2. Attach Twister Frame to Upright Posts approximately 69" above finished ground level using Half Clamps, 3/8" x 1-1/4" P.B.H.C.S. w/Patch with 3/8" Flat Washers and 3/8" Lock Nuts with 3/8" Flat Washers. Level and loosely tighten Clamps.
3. Attach Support Bracings to Upright Posts and Twister Frame using 5" O.D. Deck Clamps, 3/8" x 1-3/4" P.B.H.C.S. w/Patch with 3/8" Flat Washers, 3/8" x 2-1/4" P.B.H.C.S. w/Patch with 3/8" Flat Washers and 3/8" Barrel Nuts as shown. Level and loosely tighten the Deck Clamps. (Refer to Clamp Sub-assembly sheet for detail).
4. Attach the Playwheel to the center of the Twister Frame using 2-3/8" O.D. steel Half Clamp, 3/8" x 1" P.B.H.C.S. w/Patch with 3/8" Flat Washers and 3/8" Lock Nuts with 3/8" Flat Washers as shown. Note: Before tightening Playwheel assembly to frame, rotate assembly inwards approximately 15°.

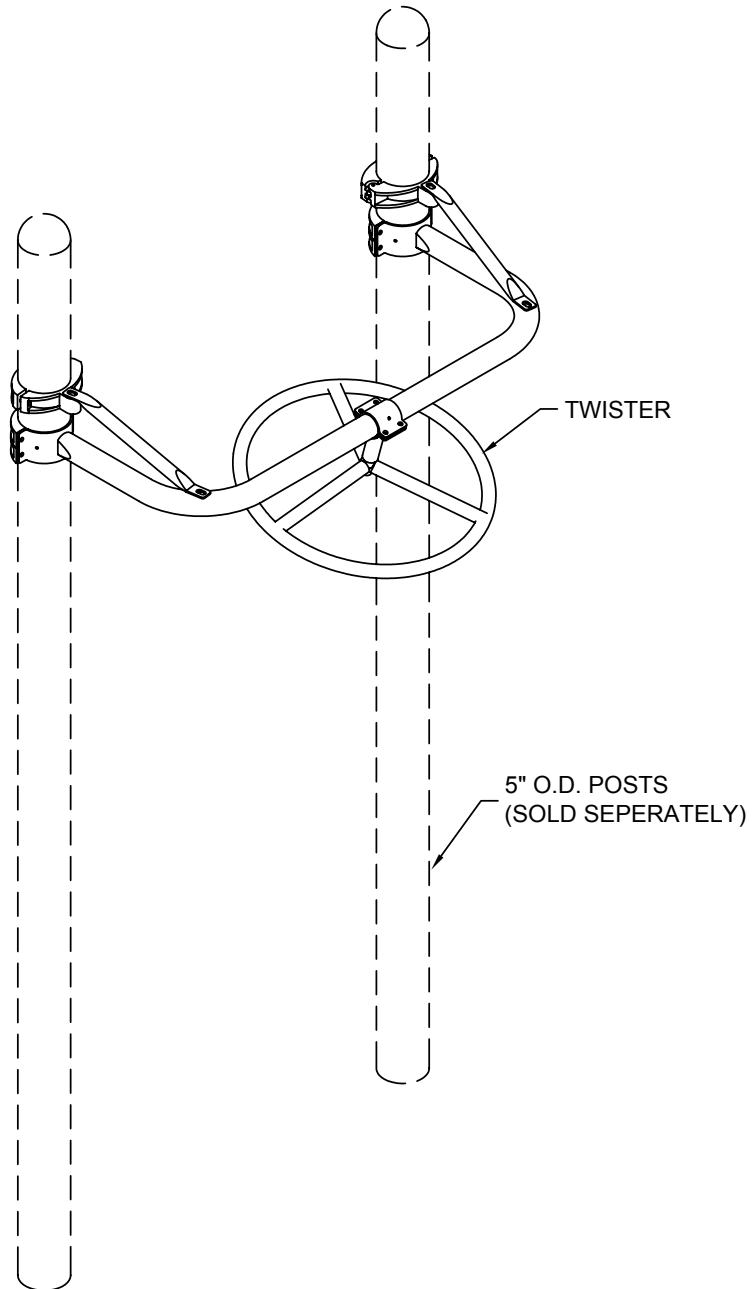
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5. Plumb, level and brace the entire Twister and pour concrete footings within 4" to the top of posts and taper away for good water drainage. Allow to cure for at least 48 hours before use.
6. When the assembly is finished and satisfactory, fully tighten Clamps and install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Clamp sub-assembly sheets. **It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.** Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidelines.

MAINTENANCE PROCEDURE:

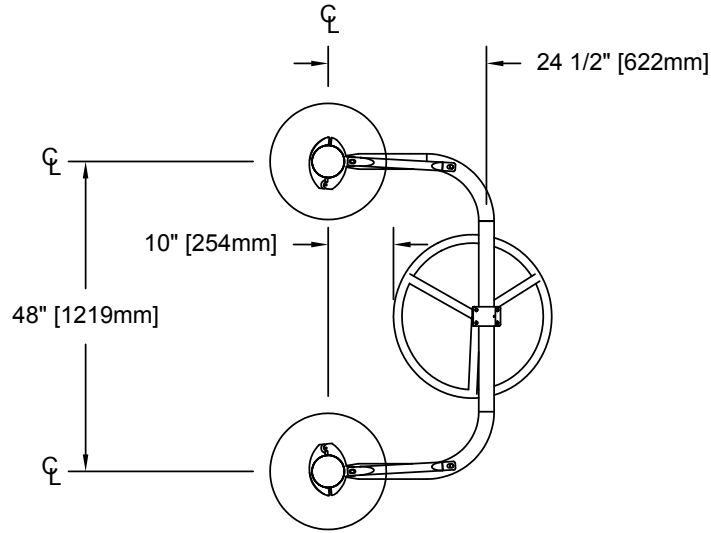
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check for welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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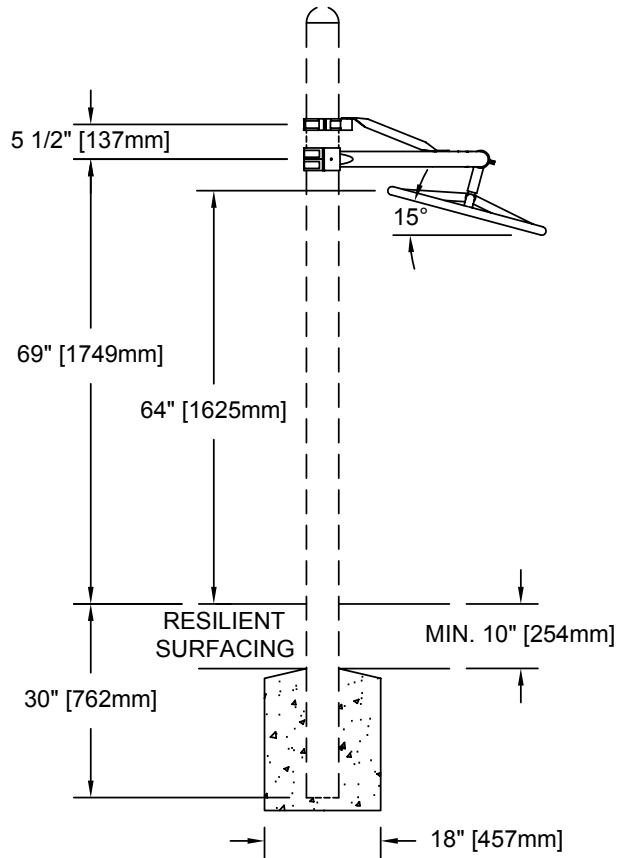


FINISHED ASSEMBLY

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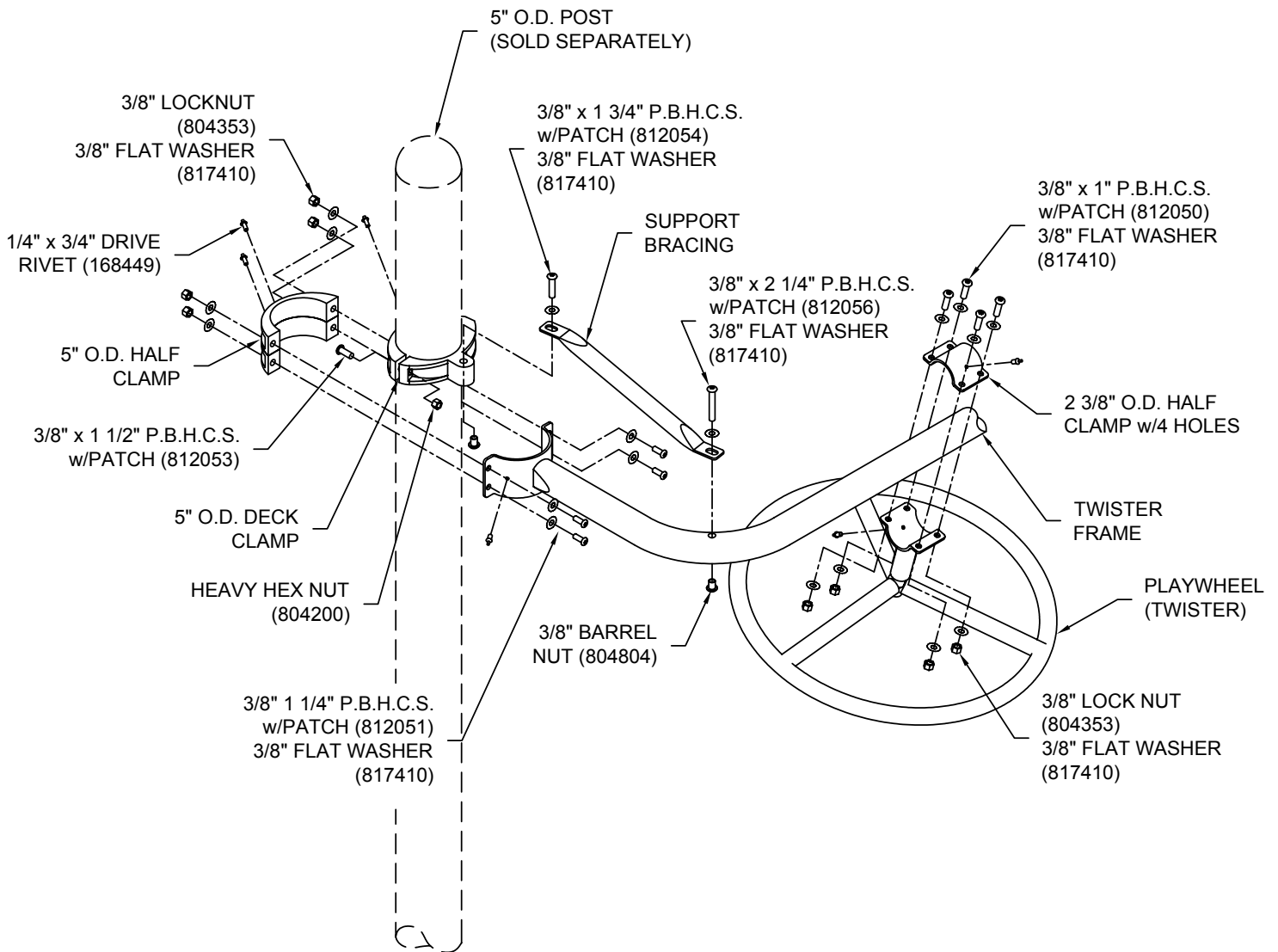


PLAN VIEW



ELEVATION VIEW

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TWISTER ASSEMBLY