

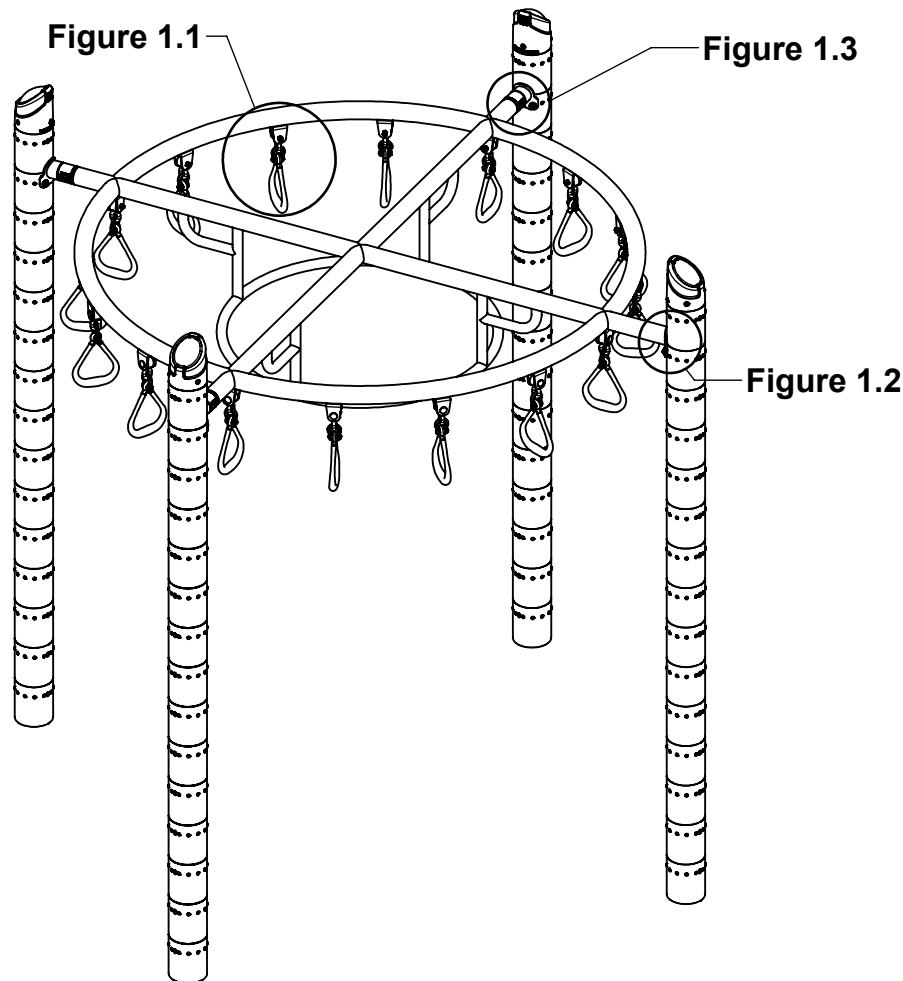
IMPORTANT NOTES: Read First

(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(B) The maximum height of rungs (at grasping point) from the top of the protective surfacing varies by age group: Ages 2-5: 60" [1524mm] above protective surfacing. Ages 5-12: 84" [2130mm] above protective surfacing.

(C) An appropriate energy absorbing safety surface is required under and around all playground equipment. Loose fill protective surfacing is shown only as an example for the purpose of this assembly instruction. Other surfacing material may vary in thickness and/or compression depths. See free publication - The Handbook for Public Playground Safety, Publication #325 at www.cpsc.gov for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

FIGURE 1
Orbital Ring Hub



NOTE: Orbital Ring Hub 3 Mount shown. Other configurations will vary slightly, but does not affect assembly.

Step 1

Refer to Elevation View, locate mounting holes and remove required post plugs for assembly. Heights shown from finish grade to mounting hole.

Elevation View

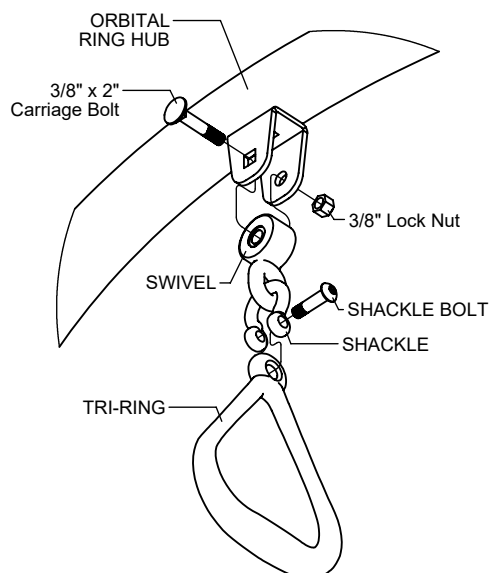
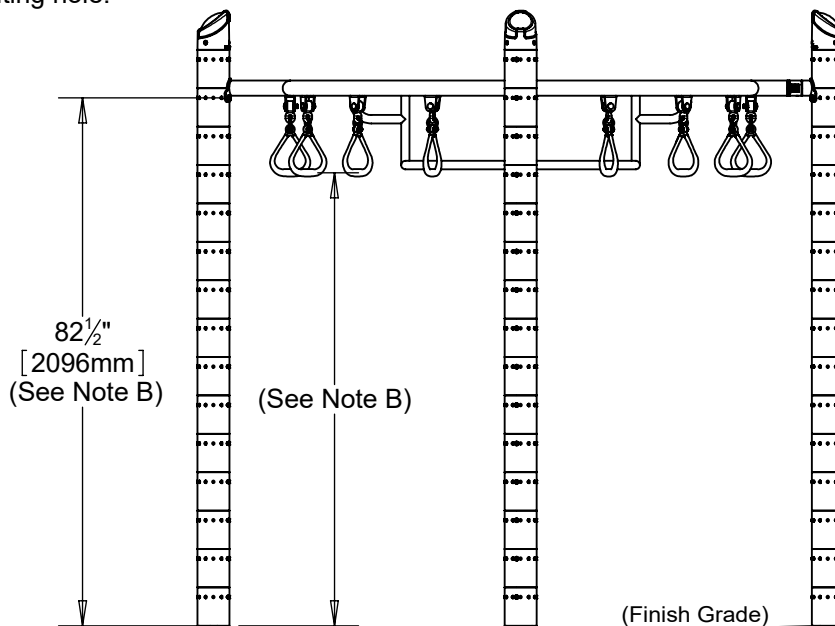


Figure 1.1

Step 2

Attach Tri-Ring to Orbital Ring Hub as shown in Figure 1.1. (See Note A)

Step 3

For Beam To Post Connection

Refer to Elevation View and attach Orbital Ring Hub as shown in Figure 1.2. (See Notes A & B)

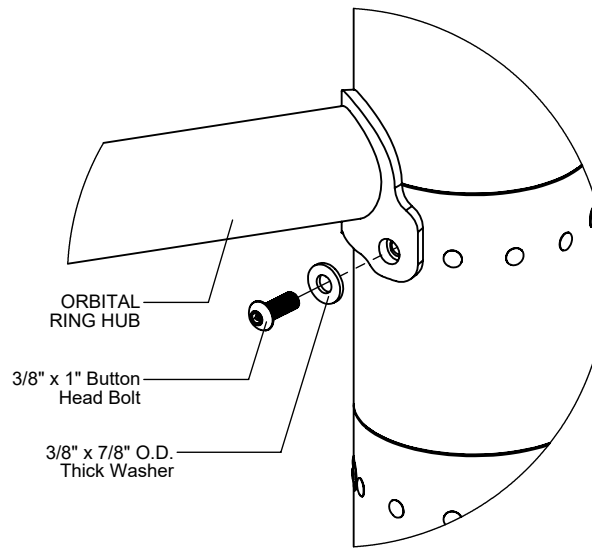


Figure 1.2

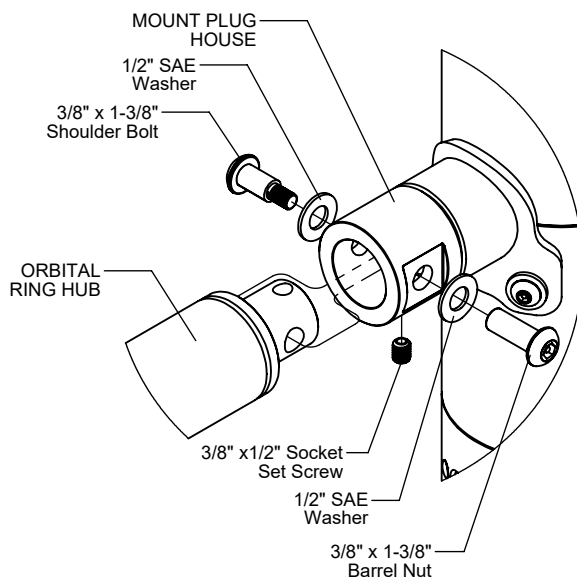


Figure 1.3

Step 4

For Beam to House Connection

Locate and attach Orbital Ring Hub as shown in Figure 1.3. (See Note A)

Step 5

Fully tighten all fasteners according to the "TIGHTENING TORQUE FOR HARDWARE" section of the Installation Manual.

Step 6

Place required protective surfacing under and around Orbital Ring Hub. (See Note C)

ORBITAL RING HUB RV INSTALLATION INSTRUCTIONS

RV-1433
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Parts List

S-1433-RV		
Part #	DESCRIPTION	QTY.
FS-1433-RV	Orbital Ring Hub RV	1
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	8
411000	Tri-Ring	16
451161-SS	Swing Shackle - Stainless Steel	16
471002	Swing Hanger w/ Nut & Bolt	16
9103052-TR	Bolt Button Head 3/8" x 1"	8

S-1433-2RV		
Part #	DESCRIPTION	QTY.
FS-1433-2RV	Orbital Ring Hub 2 Mount Frame RV	1
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	4
411000	Tri-Ring	16
451161-SS	Swing Shackle - Stainless Steel	16
471002	Swing Hanger w/ Nut & Bolt	16
9103052-TR	Bolt Button Head 3/8" x 1"	4

S-1433-3RV		
Part #	DESCRIPTION	QTY
FS-1433-3RV	Orbital Ring Hub 3 Mount Frame RV	1
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	2
411000	Tri-Ring	16
451161-SS	Swing Shackle - Stainless Steel	16
471002	Swing Hanger w/ Nut & Bolt	16
9103052-TR	Bolt Button Head 3/8" x 1"	2

S-1433-4RV		
Part #	DESCRIPTION	QTY
FS-1433-4RV	Orbital Ring Hub 4 Mount Frame RV	1
411000	Tri-Ring	16
451161-SS	Swing Shackle - Stainless Steel	16
471002	Swing Hanger w/ Nut & Bolt	16

Specifications

ORBITAL RING HUB FRAME RV:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 2.375" O.D. 10 gauge steel crossmembers, 1.315" O.D. 12 gauge steel lower ring and connectors and 1/4" thick stainless steel mounting brackets. The Orbital Ring Hub Frame RV shall have a multi-stage baked-on powder coat finish.

ORBITAL RING HUB 2 & 3 MOUNT FRAME RV:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 2.375" O.D. 10 gauge steel crossmembers, 1.315" O.D. 12 gauge steel lower ring and connectors, 1/4" thick stainless steel mounting brackets and stainless steel pins. The Orbital Ring Hub 2 & 3 Mount Frame RV shall have a multi-stage baked-on powder coat finish.

ORBITAL RING HUB 4 MOUNT FRAME RV:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 2.375" O.D. 10 gauge steel crossmembers, 1.315" O.D. 12 gauge steel lower ring and connectors and stainless steel pins. The Orbital Ring Hub 4 Mount Frame RV shall have a multi-stage baked-on powder coat finish.

HARDWARE:

Shall be stainless steel, zinc/nickel plated or galvanized as required to resist rust and corrosion.

Maintenance

Periodically tighten all screws, bolts and nuts. A periodic inspection of all parts is necessary. If a part is broken or worn, replace immediately. For general maintenance please refer to our Playground Maintenance Manual.



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For Customer Service Call
800.333.8519 (U.S.A.) or 541.955.9199 (International)

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