

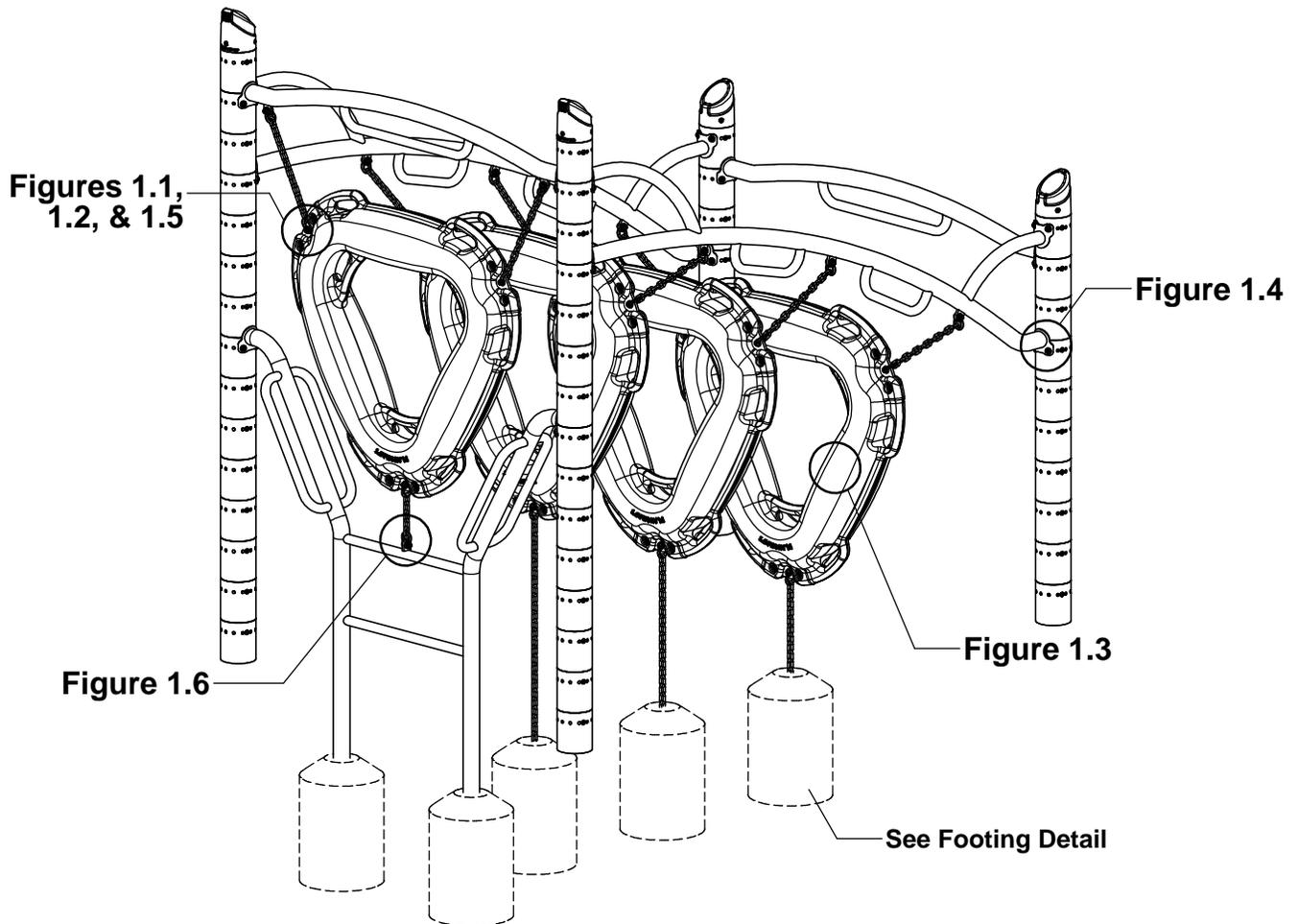
IMPORTANT NOTES: Read First

(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) Do not pour concrete until the equipment is completely assembled, leveled and plumbed. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).

(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
Tri-Ring Link**



Step 1

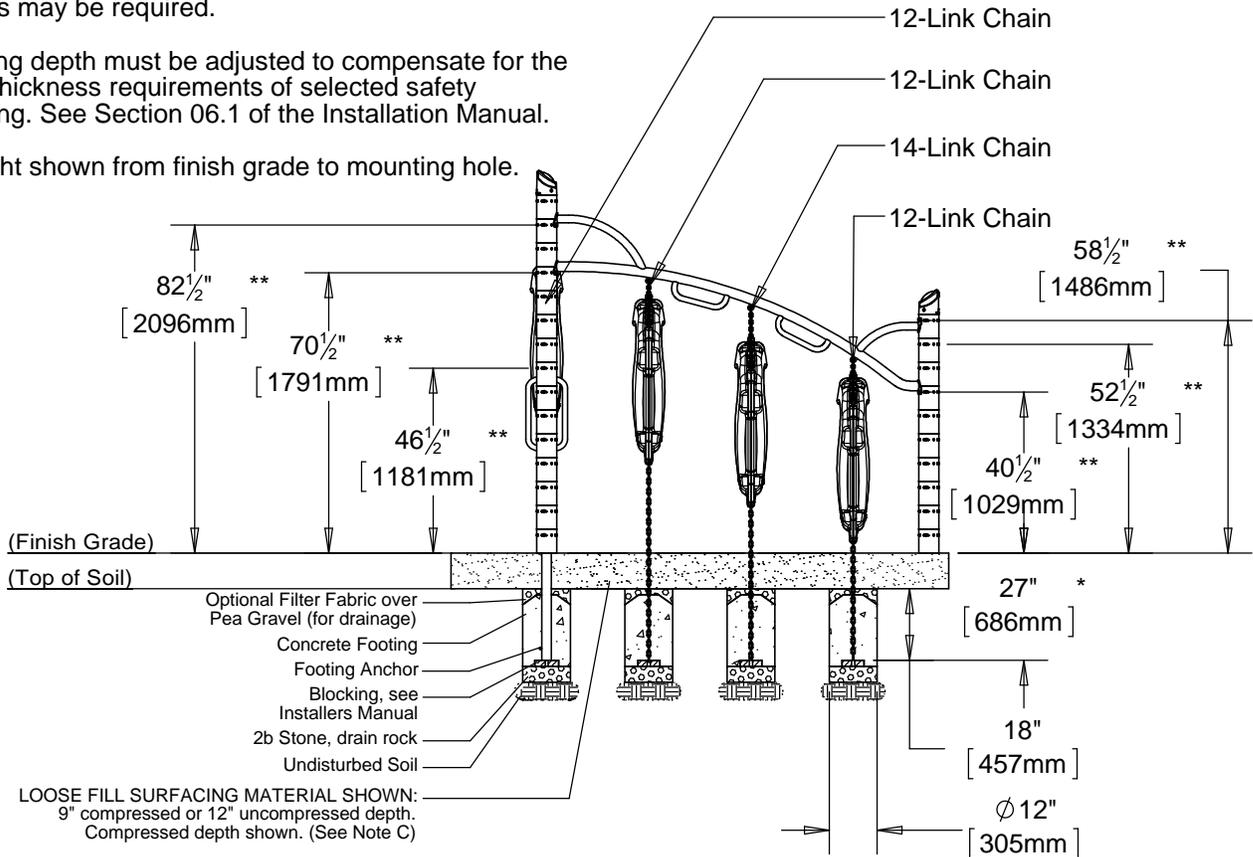
Footing Detail

Refer to Footing Layout and mark footing hole locations. Dig (5) \varnothing 12" footing holes. Refer to Footing Detail for depth and details. Tri-Ring Link Extension will require an additional (3) \varnothing 12" footing holes located symmetrically about the Tri-Ring Link Ladder.

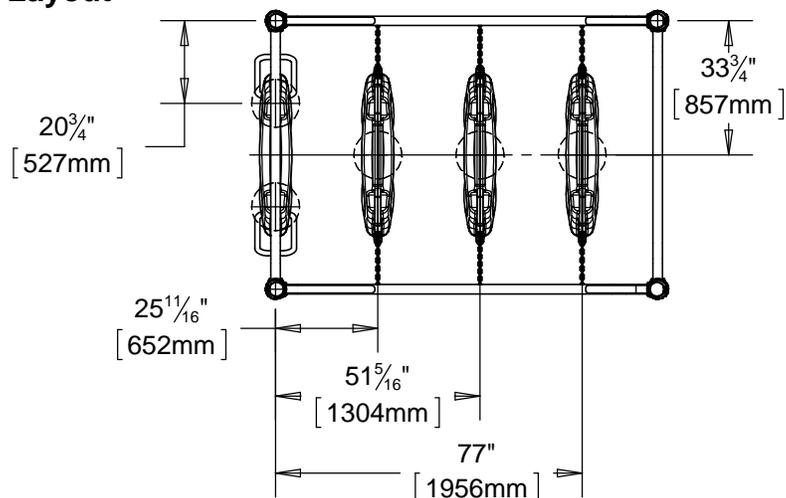
IMPORTANT: For areas with soft soil conditions, larger footings may be required.

* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

** Height shown from finish grade to mounting hole.



Top View - Footing Layout



Step 2 (Factory Assembled)

Attach hardware to Tri-Rings as shown in Figure 1.1.
(See Note A)

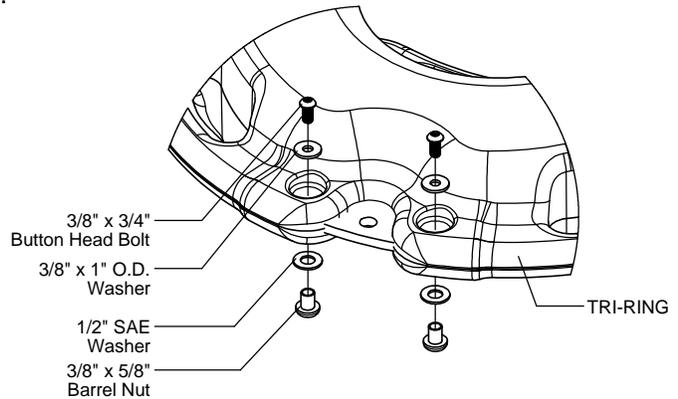


Figure 1.1

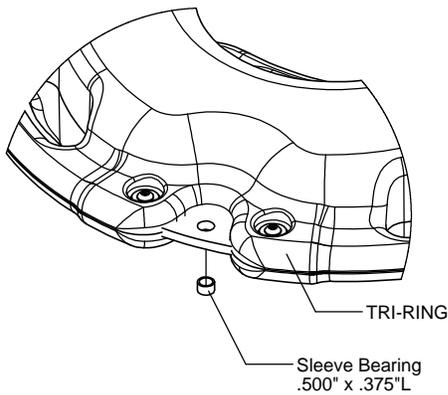


Figure 1.2

Step 3 (Factory Assembled)

Insert sleeve bearings into Tri-Rings as shown in Figure 1.2.

Step 4 (Factory Assembled)

Attach Vent Plugs to Tri-Rings as shown in Figure 1.3.

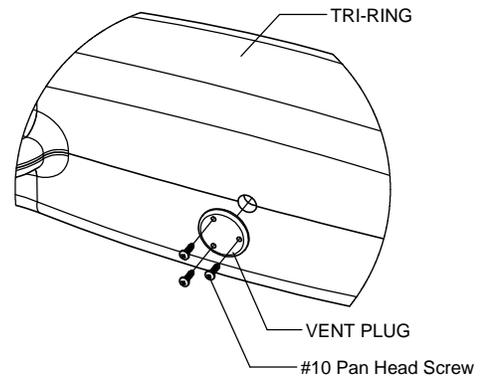


Figure 1.3

Step 5

Refer to Footing Detail and remove required Hole Plugs. Attach Tri-Ring Link Arms, Handle, Support and Ladder to posts as shown in Figure 1.4. (See Note A)

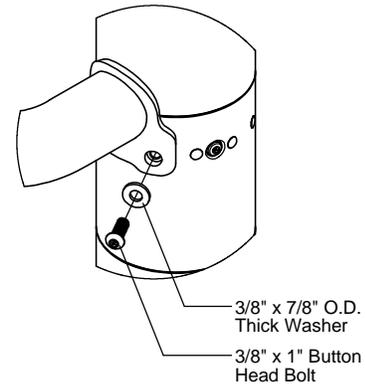


Figure 1.4

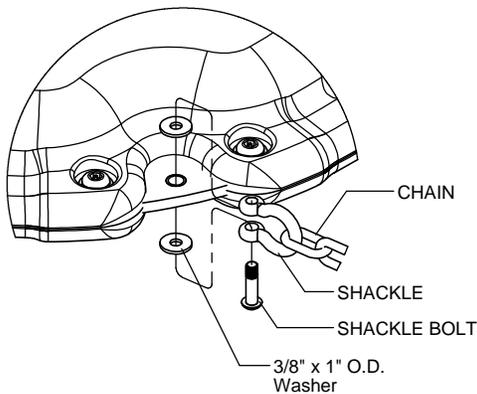


Figure 1.5

Step 6

Refer to Figure 1 and Footing Detail for order and attach Chains to Tri-Rings as shown in Figure 1.5. (See Note A)

Step 7

Refer to Figure 1 and Footing Detail for order and attach Tri-Rings to Tri-Ring Link Arms, Support and Ladder as shown in Figure 1.6. (See Note A)

Step 8

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

Step 9

Plumb and level entire component. Pour concrete into footing holes. Allow at least 72 hours to cure before using this equipment. (See Note B)

Step 10

Place required protective surfacing under and around Tri-Ring Link. (See Note C)

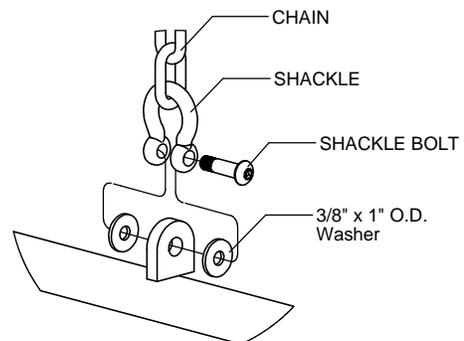


Figure 1.6

TRI-RING LINK RV INSTALLATION INSTRUCTIONS

RV-1529
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Parts List

TRI-RING LINK RV		
Part #	DESCRIPTION	QTY.
FS-1529-ARM	Tri-Ring Link Arm RV	2
FS-1529-HND	Tri-Ring Link Beam Handle RV	1
FS-1529-LDR	Tri-Ring Link Ladder RV	1
FS-1529-SUP	Tri-Ring Link Beam Support RV	1
HE-0046	23-Link Galvanized Chain	1
HE-0047	30-Link Galvanized Chain	1
HE-0048	39-Link Galvanized Chain	1
HE-0049	14-Link Galvanized Chain	2
HE-0050	12-Link Galvanized Chain	6
HE-0051	5-Link Galvanized Chain	1
4-9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	28
451161-SS	Swing Shackle - Stainless Steel	21
9103052-TR	Bolt Button Head 3/8" x 1"	28
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	42

TRI-RING LINK RV EXTENSION		
Part #	DESCRIPTION	QTY.
FS-1529-ARM	Tri-Ring Link Arm RV	2
FS-1529-HND	Tri-Ring Link Beam Handle RV	1
HE-0046	23-Link Galvanized Chain	1
HE-0047	30-Link Galvanized Chain	1
HE-0048	39-Link Galvanized Chain	1
HE-0049	14-Link Galvanized Chain	2
HE-0050	12-Link Galvanized Chain	4
4-9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	20
451161-SS	Swing Shackle - Stainless Steel	15
9103052-TR	Bolt Button Head 3/8" x 1"	20
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	30

Assembled Parts List

TRI -RING LINK RV		
Part #	DESCRIPTION	QTY.
DE-0004	Tri-Ring	4
EE-4867	Geo-Wave Vent Plug	4
562050	Sleeve Bearing .500" x .375"L	12
9103032-TR	Bolt Button Head 3/8" x 3/4"	24
9251032	Screw SQ #10x3/4 DR PH SMS SS	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	24
9345002	Washer Flat SAE 1/2"	24
9443022-TR	Nut Barrel 3/8" x 5/8" BH	24

TRI-RING LINK RV EXTENSION		
Part #	DESCRIPTION	QTY.
DE-0004	Tri-Ring	3
EE-4867	Geo-Wave Vent Plug	3
562050	Sleeve Bearing .500" x .375"L	9
9103032-TR	Bolt Button Head 3/8" x 3/4"	18
9251032	Screw SQ #10x3/4 DR PH SMS SS	9
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	18
9345002	Washer Flat SAE 1/2"	18
9443022-TR	Nut Barrel 3/8" x 5/8" BH	18

Specifications

TRI-RING:

Shall be constructed of UV-stabilized, rotationally molded, linear, low density polyethylene with an average wall thickness of .250", and .375" thick molded in aluminum mounting plates.

TRI-RING LINK ARM RV:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 1.900" O.D. 11 gauge supports, 1.315" O.D. 12 gauge handles, 3/8" thick steel tabs and 1/4" thick stainless steel mounting brackets. The Tri-Ring Link Arm RV shall have a multi-stage baked-on powder coat finish.

TRI-RING LINK BEAM HANDLE RV:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded, 1.315" O.D. 12 gauge handles and 1/4" thick stainless steel mounting brackets. The Tri-Ring Link Beam Handle RV shall have a multi-stage baked-on powder coat finish.

TRI-RING LINK BEAM SUPPORT RV:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 1.315" O.D. 12 gauge Handle, 3/8" thick steel tabs and 1/4" thick stainless steel mounting brackets. The Tri-Ring Link Beam Support RV shall have a multi-stage baked-on powder coat finish.

TRI-RING LINK LADDER RV:

Shall be fabricated using 2.375" O.D. 11 gauge steel tubing with welded 1.315" O.D. 12 gauge handles and rungs, 3/8" thick steel tab and 1/4" thick stainless steel mounting brackets. The Tri-Ring Link Ladder RV shall have a multi-stage baked-on powder coat finish.

CHAIN:

Shall be 5/0 galvanized low carbon steel chain with silver shield 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.



Manufactured by Krauss Craft, Inc.
www.playcraftsystems.com

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

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