

## IMPORTANT NOTES: Read First

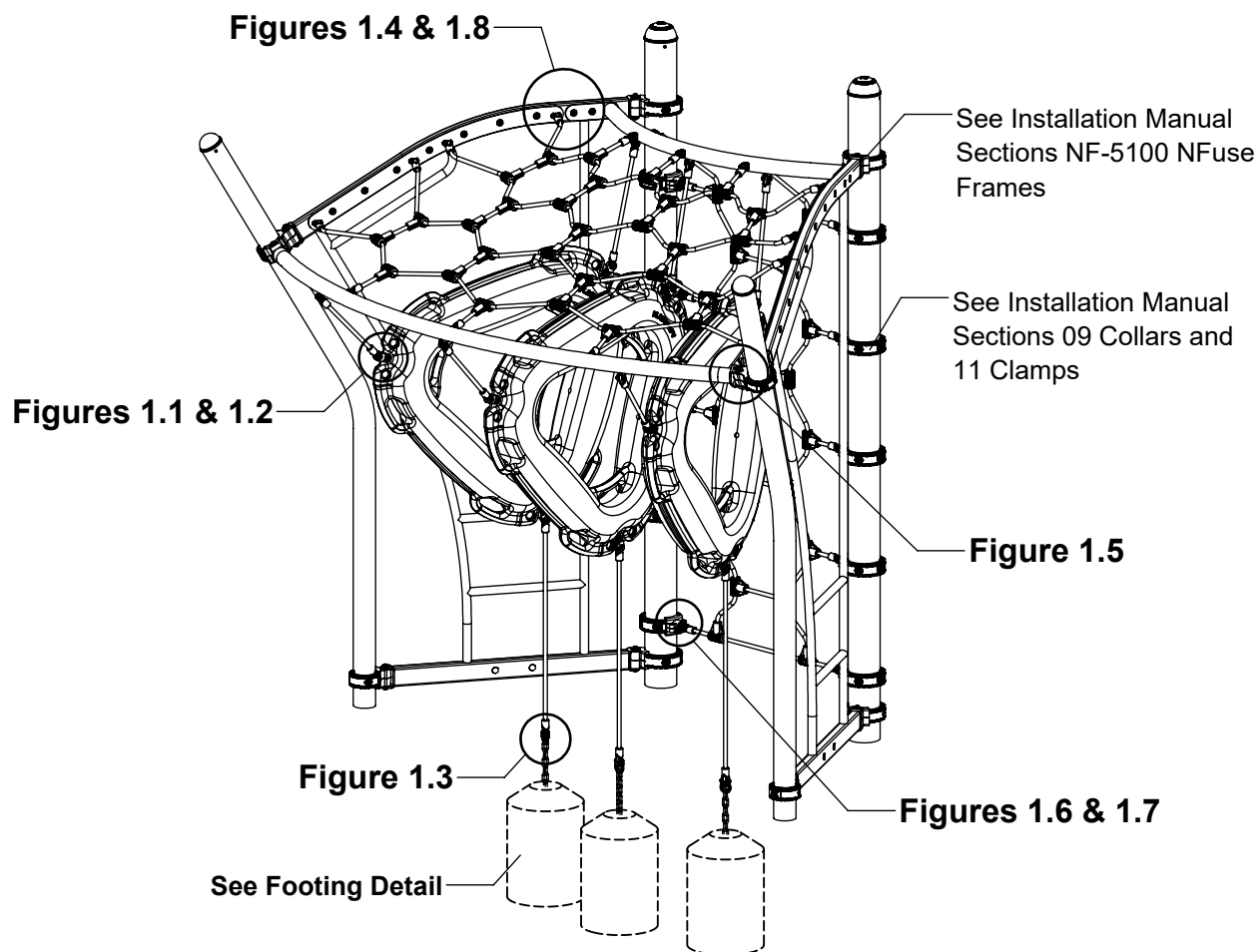
(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(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) Refer to Installation Manual for 09 Collars, 11 Socket Clamps, and NF-5100 NFuse Frames installation instructions.

(D) 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](http://www.cpsc.gov) for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

**FIGURE 1**  
NFuse Tri-Ring Bay



**NOTE:** NFuse Non-Deck Mount Bay shown. Other configurations will vary slightly, but does not affect assembly.

## Step 1

Refer to Footing Layout and mark footing hole locations. Dig (3) Ø 12" footing holes. Refer to Footing Detail for depth and details.

Locate and attach collars at heights shown in Elevation View. (See Note B)

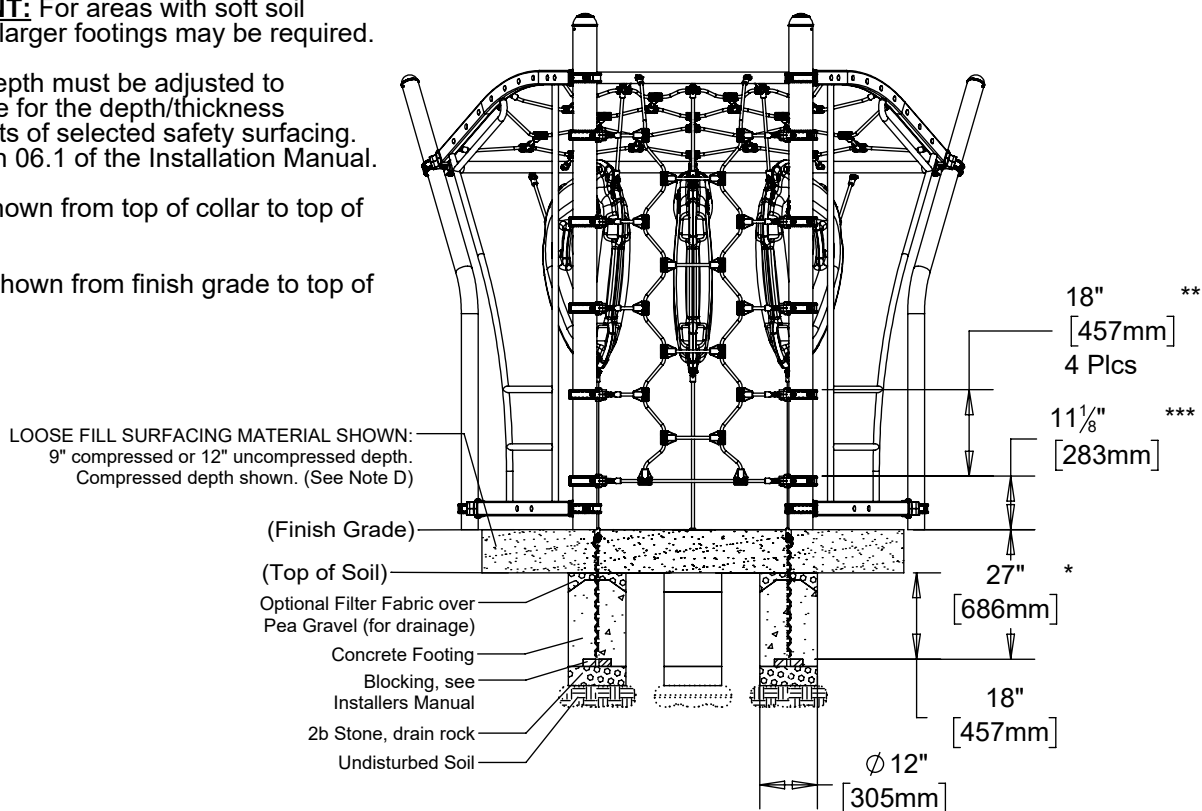
**IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

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

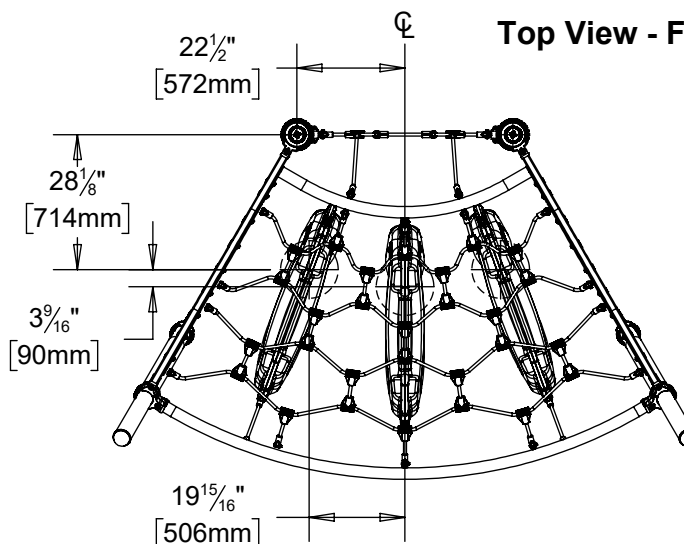
\*\* Height shown from top of collar to top of collar.

\*\*\* Height shown from finish grade to top of collar.

### Elevation View - Footing Detail

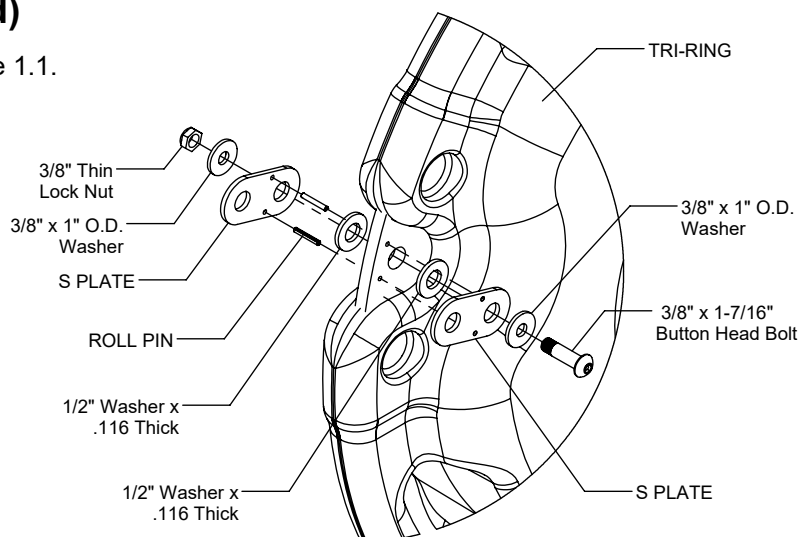


### Top View - Footing Layout

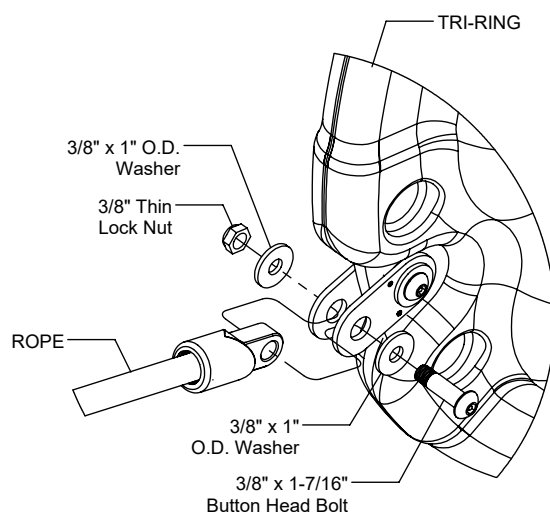


## Step 2 (Factory Assembled)

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



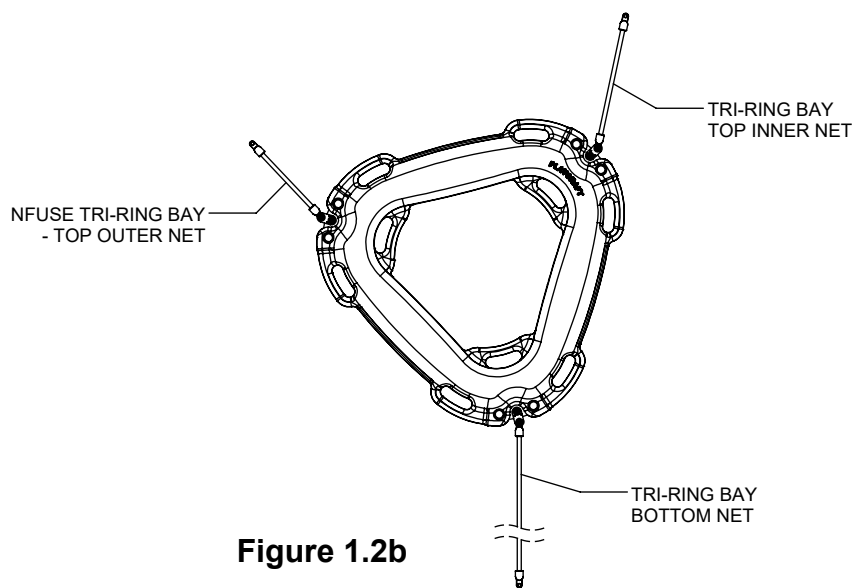
**Figure 1.1**



**Figure 1.2a**

## Step 3 (Factory Assembled)

Attach Ropes to Tri-Ring in specified locations as shown in Figure 1.2a and 1.2b. (See Note A)

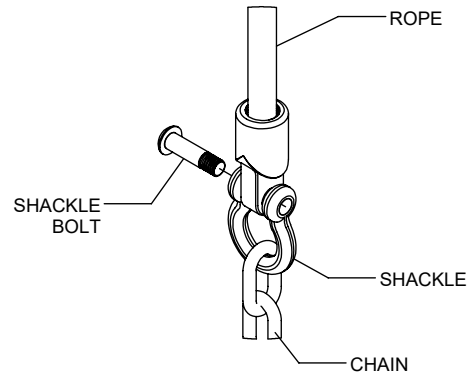


**Figure 1.2b**

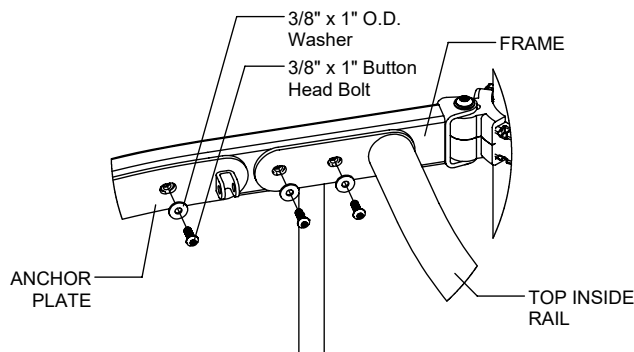
## Step 4

### For In-Ground Version Only

Attach Chain to Longest Rope on Tri-Ring as shown in Figure 1.3. (See Note A)



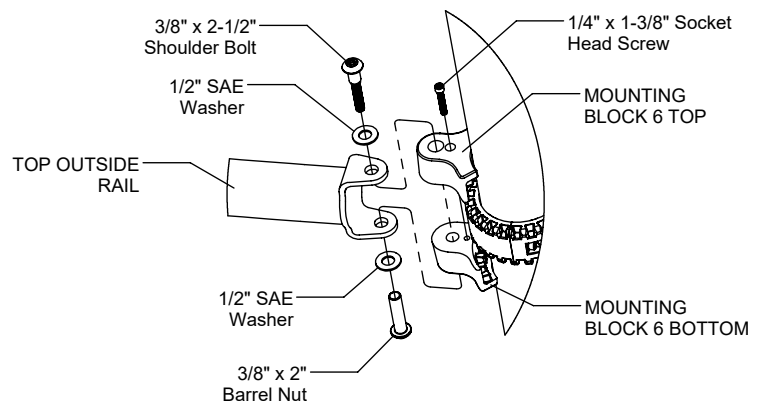
**Figure 1.3**



**Figure 1.4**

## Step 5

Attach Top Inside Rail and Anchor Plate to Frame as shown in Figure 1.4. (See Note A)



**Figure 1.5**

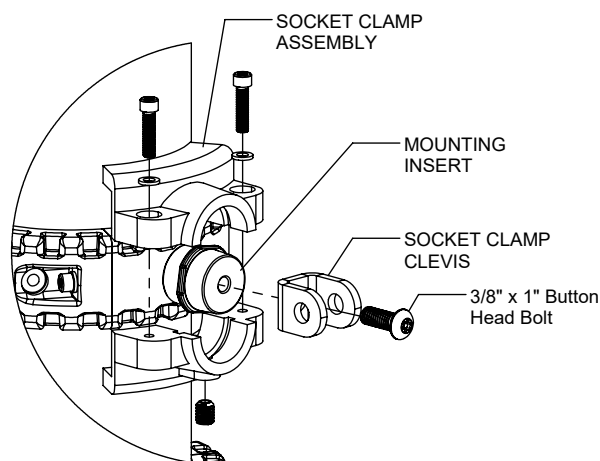
## Step 6

Attach Top Outside Rail to Post as shown in Figure 1.5. (See Note A)

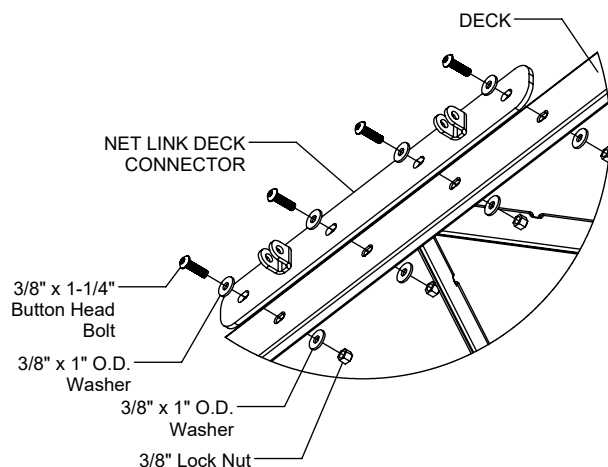
## Step 7

### For Non-Deck Mount Version Only

Attach Socket Clamp Clevis to Collar as shown in Figure 1.6. (See Notes A & C)



**Figure 1.6**



**FIGURE 2**

## Step 8

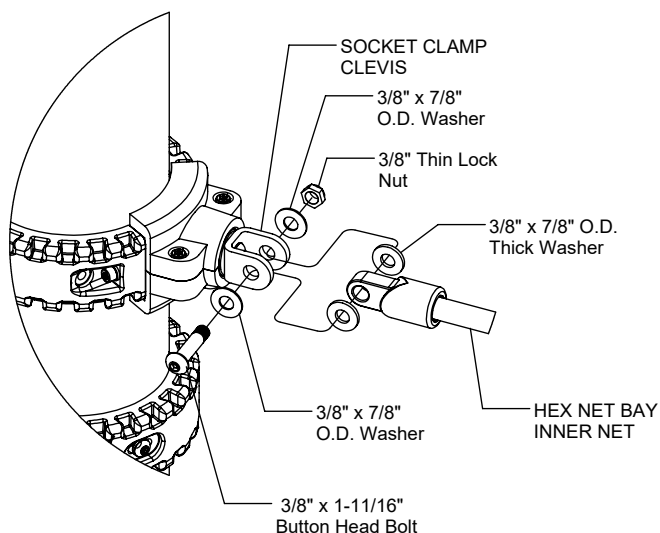
### For Deck Mount Version Only

Attach Net Link Deck Connector to Deck as shown in Figure 2. (See Note A)

## Step 9

### For Non-Deck Mount Version Only

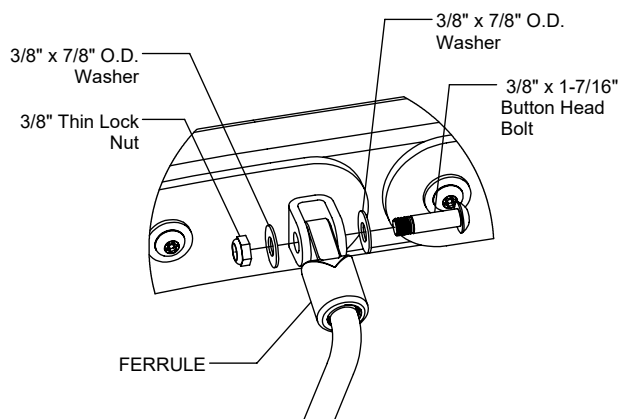
Attach Hex Net Bay Inner Net to Socket Clamp Clevis as shown in Figure 1.7. (See Note A)



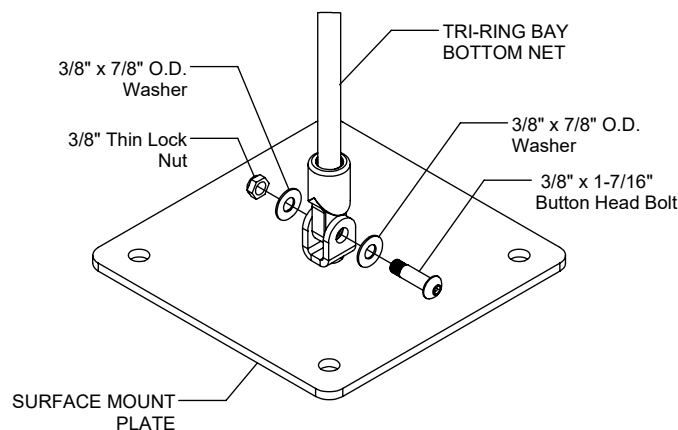
**Figure 1.7**

## Step 10

Attach remaining Rope Ferrules on Inner Net, Top Net, Tri-Ring Ropes, and Deck Link Ropes to corresponding Clevises as shown in Figure 1.8. Refer to Figure 1 for net locations. (See Note A)



**Figure 1.8**



**FIGURE 3**

## Step 11

### For Surface Mount Version Only

Attach Rope to Surface Mount Plate as shown in Figure 3. (See Note A)

## Step 12

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

## Step 13

Place chains into footing holes and adjust to desired tautness 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 14

Place required protective surfacing under and around NFuse Tri-Ring Bay. (See Note D)

# NFUSE TRI-RING BAY INSTALLATION INSTRUCTIONS

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## Parts List

IN-GROUND NON-DECK MOUNT		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	10
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	1
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	1
FS-5203-I	NFuse Tri-Ring Bay - Inner Rail	1
FS-5203-O	NFuse Tri-Ring Bay - Outer Rail	1
GE-7015	Mounting Insert	10
GG-8125	Mounting Block 6 Top R3.5	2
GG-8127	Mounting Block 6 Bottom R3.5	2
HE-0008-26	26-Link Galvanized Chain	3
HM-0001-IN	NFuse Hex Net Bay - Inner Net	1
HM-0001-TN	NFuse Hex Net Bay - Top Net	1
HS-1001-R5	Socket Clamp Set R5	10
451161-SS	Swing Shackle - Stainless Steel	3
9103052-TR	Bolt Button Head 3/8" x 1"	28
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	22
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	10
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	2
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	18
9333042	Washer Flat 3/8" x 7/8" O.D.	64
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	20
9345002	Washer Flat SAE 1/2"	4
9423002	Nut Lock Thin 3/8"	32
9443092-TR	Nut Barrel 3/8" x 2" BH	2

## Assembled Parts List

ALL CONFIGURATIONS		
Part #	DESCRIPTION	QTY
AE-1099	Tri-Ring S Plate	18
DE-0004	Tri-Ring	3
HM-0002-B	NFuse Tri-Ring Bay - Bottom Net	3
HM-0002-TI	NFuse Tri-Ring Bay - Top Inner Net	3
HM-0002-TO	NFuse Tri-Ring Bay - Top Outer Net	3
453210	Roll Pin 1/8" x 7/8"	18
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	18
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	36
9335002	Washer Flat 1/2" (.116" thick)	18
9423002	Nut Lock Thin 3/8"	18

## Parts List

SURFACE MOUNT NON-DECK MOUNT		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	10
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	1
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	1
FS-5203-CSM	Chain Surface Mount Weldment	3
FS-5203-I	NFuse Tri-Ring Bay - Inner Rail	1
FS-5203-O	NFuse Tri-Ring Bay - Outer Rail	1
GE-7015	Mounting Insert	10
GG-8125	Mounting Block 6 Top R3.5	2
GG-8127	Mounting Block 6 Bottom R3.5	2
HM-0001-IN	NFuse Hex Net Bay - Inner Net	1
HM-0001-TN	NFuse Hex Net Bay - Top Net	1
HS-1001-R5	Socket Clamp Set R5	10
9103052-TR	Bolt Button Head 3/8" x 1"	28
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	25
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	10
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	2
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	18
9333042	Washer Flat 3/8" x 7/8" O.D.	70
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	20
9345002	Washer Flat SAE 1/2"	4
9423002	Nut Lock Thin 3/8"	35
9443092-TR	Nut Barrel 3/8" x 2" BH	2



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**Rev D**  
5/24/2023

# NFUSE TRI-RING BAY INSTALLATION INSTRUCTIONS

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## Parts List

IN-GROUND DECK MOUNT		
Part #	DESCRIPTION	QTY
FS-1528	Angled Net Link Deck Connector	1
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	1
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	1
FS-5203-I	NFuse Tri-Ring Bay - Inner Rail	1
FS-5203-O	NFuse Tri-Ring Bay - Outer Rail	1
GG-8125	Mounting Block 6 Top R3.5	2
GG-8127	Mounting Block 6 Bottom R3.5	2
HE-0008-26	26-Link Galvanized Chain	3
HM-0001-DN	NFuse Deck Link Net	2
HM-0001-TN	NFuse Hex Net Bay - Top Net	1
451161-SS	Swing Shackle - Stainless Steel	3
9103052-TR	Bolt Button Head 3/8" x 1"	18
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	24
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	2
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	26
9333042	Washer Flat 3/8" x 7/8" O.D.	48
9345002	Washer Flat SAE 1/2"	4
9413002	Nut Lock 3/8"	4
9423002	Nut Lock Thin 3/8"	24
9443092-TR	Nut Barrel 3/8" x 2" BH	2

## Assembled Parts List

ALL CONFIGURATIONS		
Part #	DESCRIPTION	QTY
AE-1099	Tri-Ring S Plate	18
DE-0004	Tri-Ring	3
HM-0002-B	NFuse Tri-Ring Bay - Bottom Net	3
HM-0002-TI	NFuse Tri-Ring Bay - Top Inner Net	3
HM-0002-TO	NFuse Tri-Ring Bay - Top Outer Net	3
453210	Roll Pin 1/8" x 7/8"	18
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	18
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	36
9335002	Washer Flat 1/2" (.116" thick)	18
9423002	Nut Lock Thin 3/8"	18

## Parts List

SURFACE MOUNT DECK MOUNT		
Part #	DESCRIPTION	QTY
FS-1528	Angled Net Link Deck Connector	1
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	1
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	1
FS-5203-CSM	Chain Surface Mount Weldment	3
FS-5203-I	NFuse Tri-Ring Bay - Inner Rail	1
FS-5203-O	NFuse Tri-Ring Bay - Outer Rail	1
GG-8125	Mounting Block 6 Top R3.5	2
GG-8127	Mounting Block 6 Bottom R3.5	2
HM-0001-DN	NFuse Deck Link Net	2
HM-0001-TN	NFuse Hex Net Bay - Top Net	1
9103052-TR	Bolt Button Head 3/8" x 1"	18
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	27
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	2
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	26
9333042	Washer Flat 3/8" x 7/8" O.D.	54
9345002	Washer Flat SAE 1/2"	4
9413002	Nut Lock 3/8"	4
9423002	Nut Lock Thin 3/8"	27
9443092-TR	Nut Barrel 3/8" x 2" BH	2



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**Rev D**  
5/24/2023



## Specifications

### **SOCKET CLAMP ROPE CLEVIS:**

Shall be precision cut and formed using 3/16" stainless steel.

### **NFUSE HEX NET BAY - BRACKET, CHAIN SURFACE MOUNT WELDMENT, & ANGLED NET LINK DECK CONNECTOR:**

Shall be fabricated using 1/4" sheet steel with welded 3/16" thick steel clevises and will have a multi-stage baked-on powder coat finish.

### **NFUSE TRI-RING BAY - INNER & OUTER RAIL:**

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 1/4" thick steel plates and 3/16" thick steel clevises and will have a multi-stage baked-on powder coat finish.

### **CHAIN:**

Shall be 5/0 galvanized chain.

### **NETS:**

Shall be made from 16mm steel-reinforced rope with high-strength copolymer plastic intersection connectors and machined aluminum ferrules.

### **NFUSE TRI-RING BAY - S PLATE:**

Shall be precision cut from 10 gauge stainless steel.

### **TRI-RING:**

Shall be constructed of UV-stabilized, rotationally molded, linear, low density polyethylene with an average wall thickness of .250".

### **MOUNTING INSERTS:**

Shall be precision die-cast from a high-strength aluminum alloy.

### **MOUNTING BLOCKS & SOCKET CLAMPS:**

Shall be two-part and precision die-cast from a high strength aluminum alloy and will 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.