

**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.

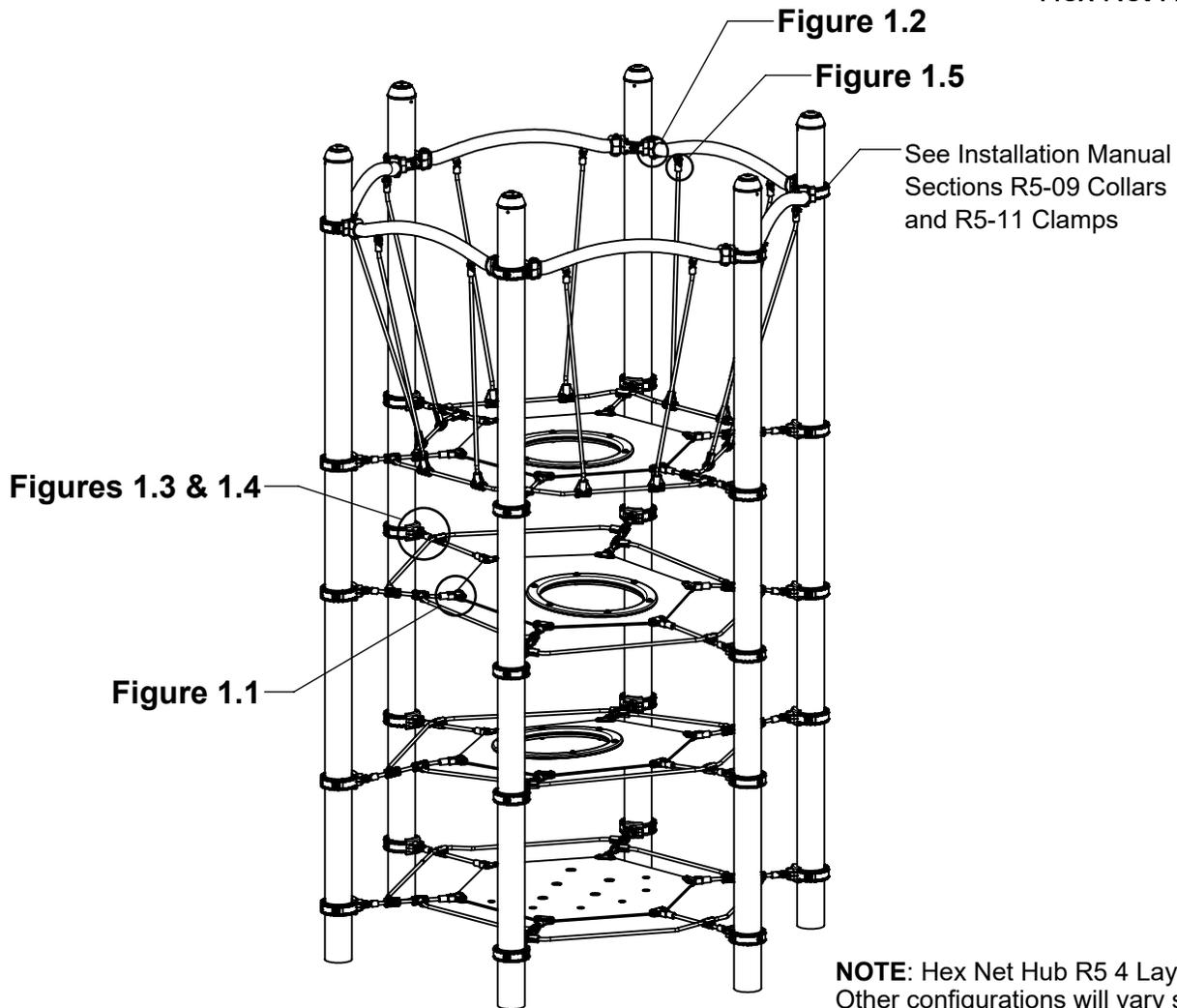
(B) All gaps created between Net Tower Components and structural components must be less than 3-1/2" [89mm] or greater than 9" [229mm].

(C) Refer to the Site Plan included with the Installation Guidelines for additional Footing Layout dimensions and orientation. Actual mounting locations may vary according to system design.

(D) Refer to Installation Manual for R5-09 Collars and R5-11 Socket Clamps.

(E) 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**  
Hex Net Hub R5



**NOTE:** Hex Net Hub R5 4 Layer shown. Other configurations will vary slightly, but does not affect assembly.

# Step 1

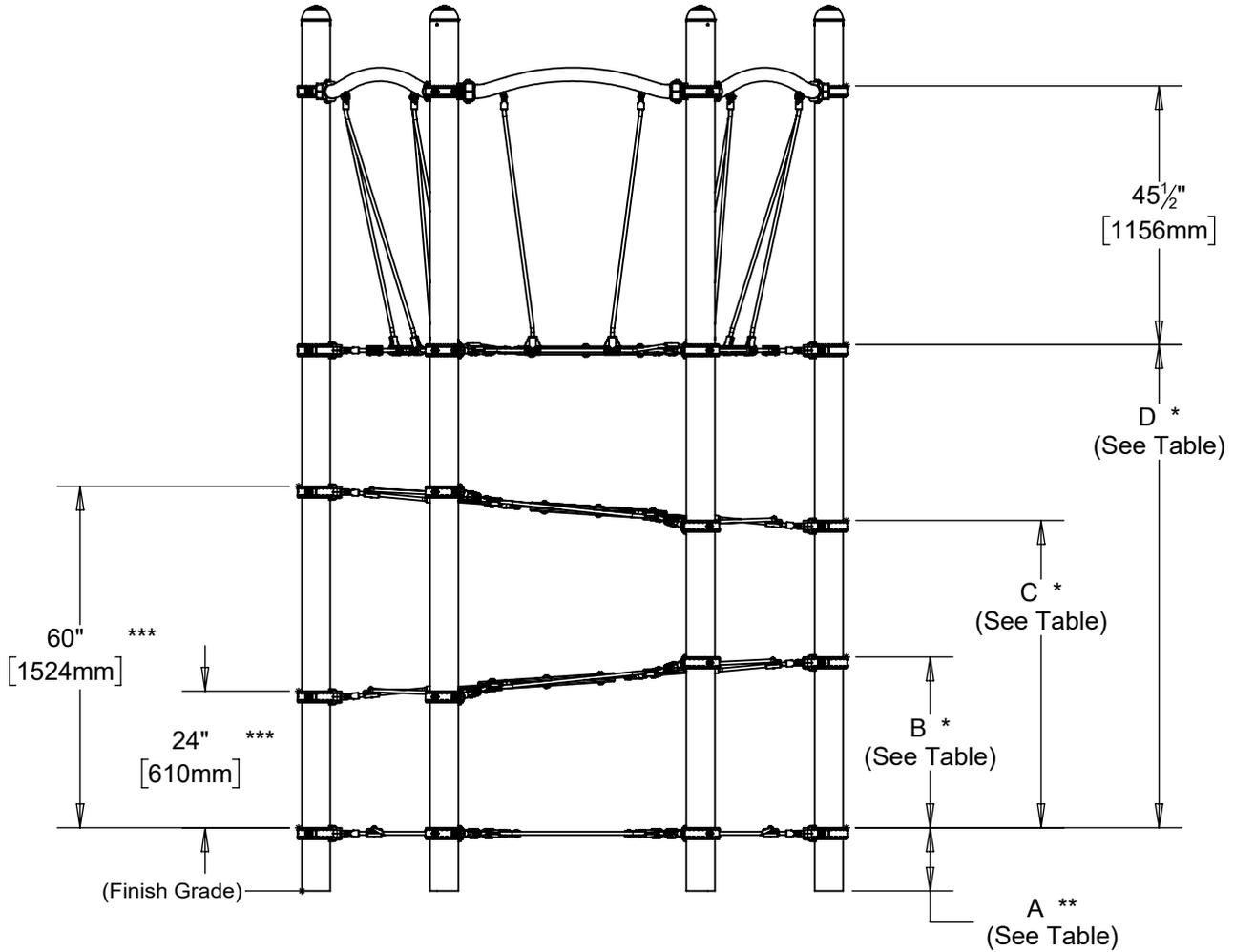
## Elevation View

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

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

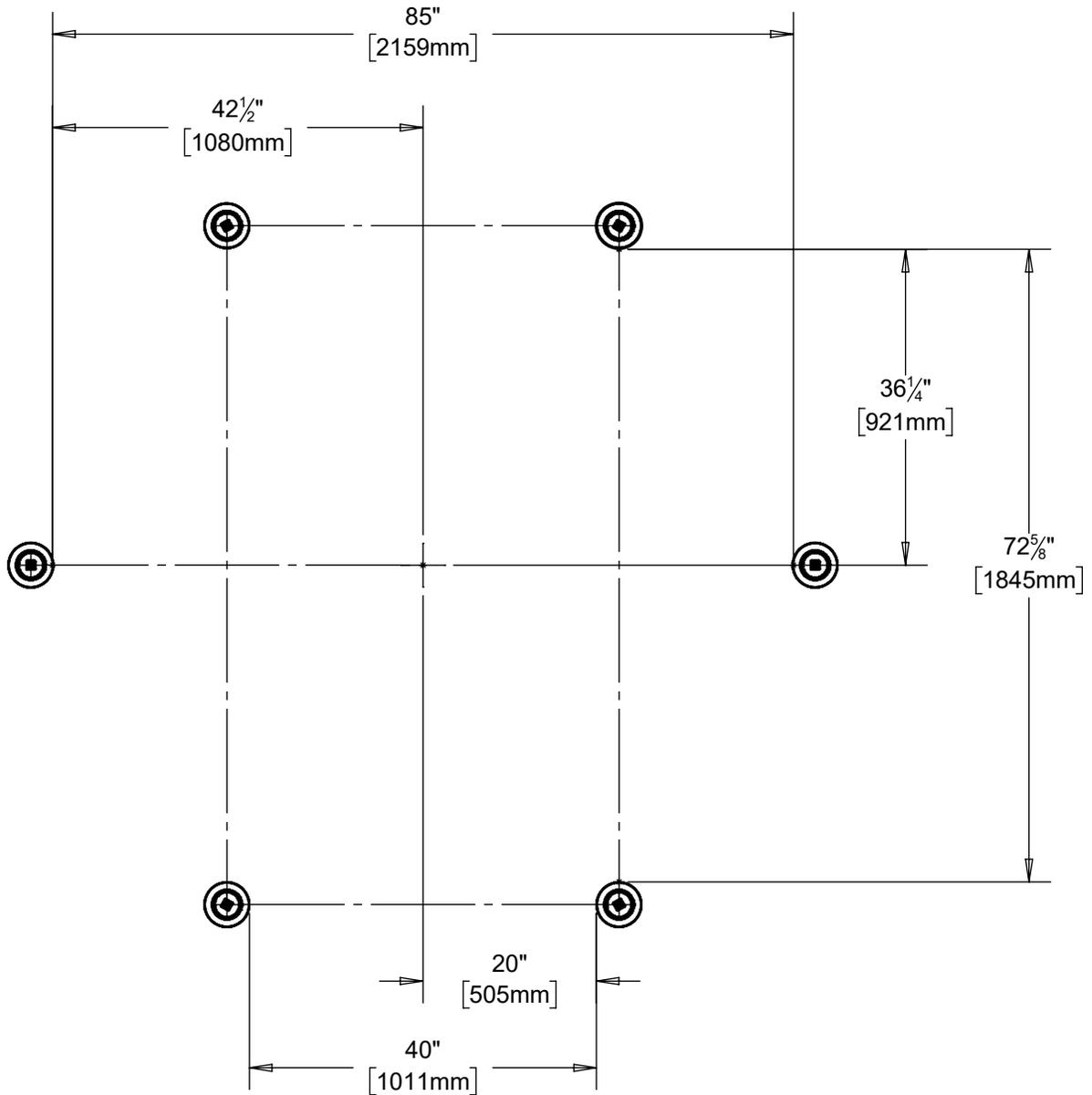
\*\* Height shown from finish grade to top of collar.

\*\*\* For Tilted Version Only



HEX NET LAYOUT								
Configuration	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)
<b>2 Layers</b>	17-1/8	435	---	---	---	---	30"	762
<b>3 Layers</b>	11-1/8	283	30	762	---	---	60"	1524
<b>4 Layers</b>	11-1/8	283	30	762	54"	1372	84"	2134

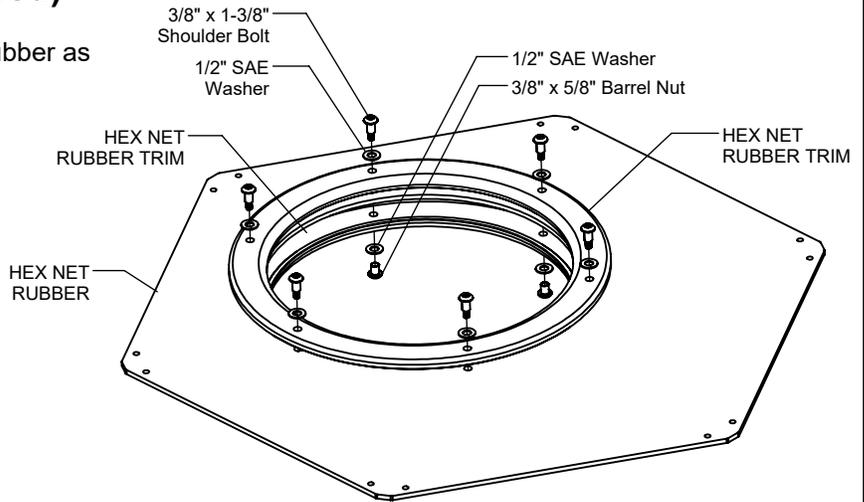
**Top View - Post Layout**



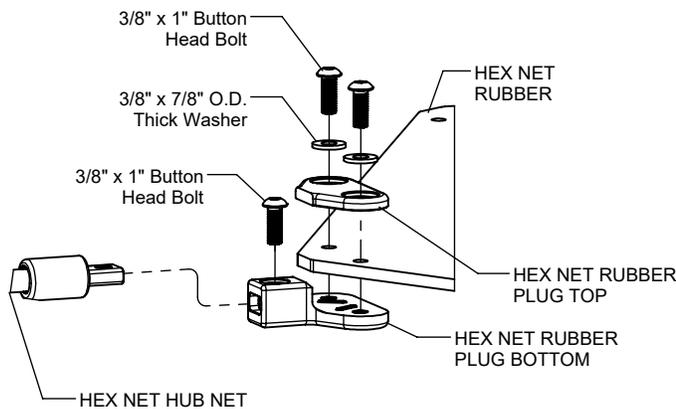
**NOTE:** To prevent tearing of Hex Net Rubber at anchor points proper location of posts is critical. See Top View - Post layout.

## Step 2 (Factory Assembled)

Attach Hex Net Rubber trim to Hex Net Rubber as shown in Figure 2. (See Note A)



**FIGURE 2**



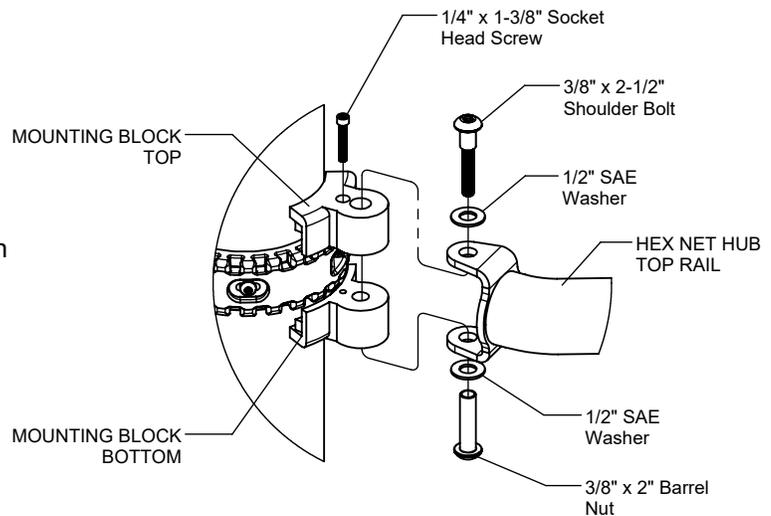
**Figure 1.1**

## Step 3 (Factory Assembled)

Attach Hex Net Rubber Plug Top & Bottom to Hex Net Rubber and Hex Net Hub Net as shown in Figure 1.1. (See Note A)

## Step 4

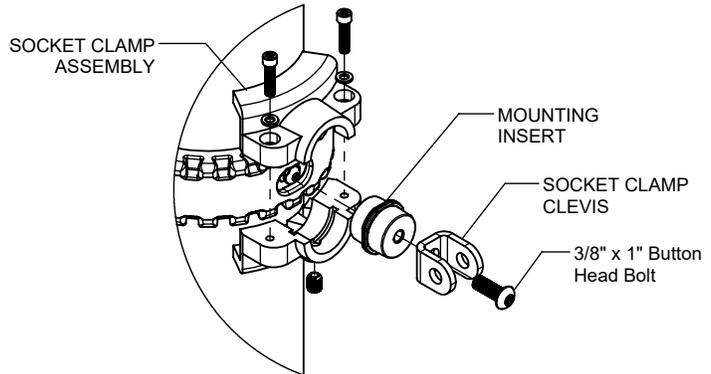
Attach Hex Net Hub Top Rail to Collar as shown in Figure 1.1. (See Note A).



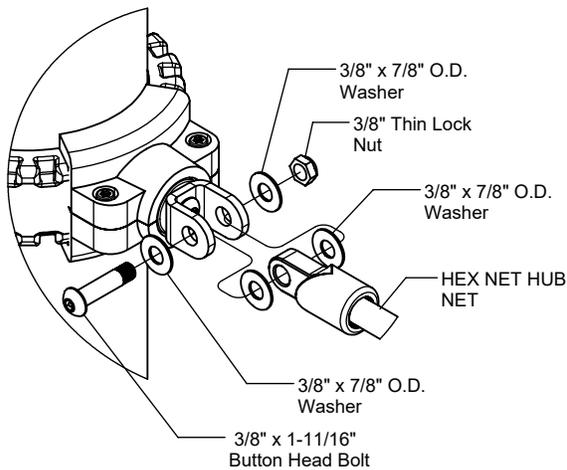
**Figure 1.2**

## Step 5

Attach Clamp and Clevis to Post as shown in Figure 1.3. (See Note A & D).



**Figure 1.3**



**Figure 1.4**

## Step 6

Attach Hex Net Hub Net to Clevis as shown in Figure 1.4. (See Note A).

## Step 7

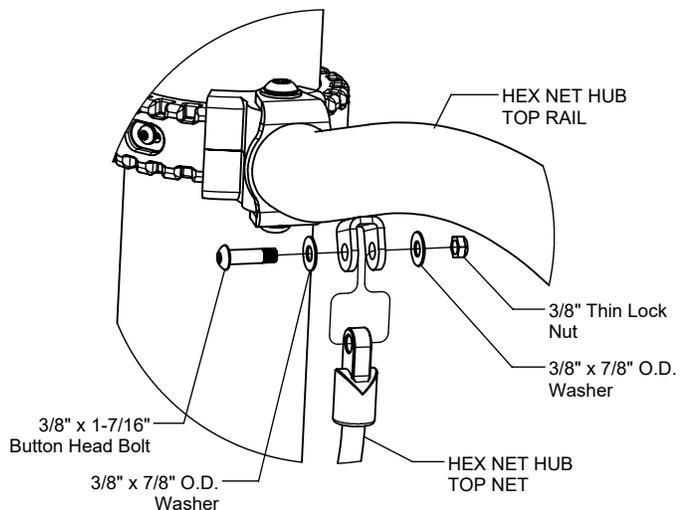
Attach Hex Net Hub Top Net to Top Rail clevis as shown in Figure 1.5. (See Note A).

## Step 8

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

## Step 9

Place required protective surfacing under and around Hex Net Hub. (See Note E)



**Figure 1.5**

# HEX NET HUB R5 INSTALLATION INSTRUCTIONS

**R5-1925**  
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## Parts List

HEX NET TOWER TOP R5		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	6
FS-1925-R5	Hex Net Hub Top Rail R5	6
GE-7015	Mounting Insert	6
GF-7006-B	Mounting Block R5 Bottom	12
GF-7006-T	Mounting Block R5 Top	12
HS-1001-R5	Socket Clamp Set R5	6
9103052-TR	Bolt Button Head 3/8" x 1"	6
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	12
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	6
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	12
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	12
9333042	Washer Flat 3/8" x 7/8" O.D.	48
9345002	Washer Flat SAE 1/2"	24
9423002	Nut Lock Thin 3/8"	18
9443092-TR	Nut Barrel 3/8" x 2" BH	12

HEX NET TOWER MIDDLE R5		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	6
GE-7015	Mounting Insert	6
HS-1001-R5	Socket Clamp Set R5	6
9103052-TR	Bolt Button Head 3/8" x 1"	6
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	6
9333042	Washer Flat 3/8" x 7/8" O.D.	24
9423002	Nut Lock Thin 3/8"	6

HEX NET TOWER BOTTOM R5		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	6
GE-7015	Mounting Insert	6
HS-1001-R5	Socket Clamp Set R5	6
9103052-TR	Bolt Button Head 3/8" x 1"	6
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	6
9333042	Washer Flat 3/8" x 7/8" O.D.	24
9423002	Nut Lock Thin 3/8"	6

## Assembled Parts List

HEX NET TOWER TOP R5		
Part #	DESCRIPTION	QTY
EE-0712	Hex Net Rubber Trim	2
HE-0151	Hex Net Rubber	1
HF-0024	Hex Net Hub Top Net R5	1
IE-0149	Hex Net Rubber Plug Bottom	6
IE-0084-T	Hex Net Rubber Plug Top	6
9103052-TR	Bolt Button Head 3/8" x 1"	18
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	6
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	12
9345002	Washer Flat SAE 1/2"	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	6

HEX NET TOWER MIDDLE R5		
Part #	DESCRIPTION	QTY
EE-0712	Hex Net Rubber Trim	2
HE-0151	Hex Net Rubber	1
HF-0025	Hex Net Hub Net R5	1
IE-0149	Hex Net Rubber Plug Bottom	6
IE-0084-T	Hex Net Rubber Plug Top	6
9103052-TR	Bolt Button Head 3/8" x 1"	18
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	6
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	12
9345002	Washer Flat SAE 1/2"	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	6

HEX NET TOWER BOTTOM R5		
Part #	DESCRIPTION	QTY
HE-0151-B	Hex Net Bottom Rubber	1
HF-0025	Hex Net Hub Net R5	1
IE-0149	Hex Net Rubber Plug Bottom	6
IE-0084-T	Hex Net Rubber Plug Top	6
9103052-TR	Bolt Button Head 3/8" x 1"	18
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	12

## Specifications

### HEX NET HUB RUBBER:

Shall be constructed of UV-stabilized flexible rubber compound with slash proof, reinforced metal inserts.

### HEX NET HUB RUBBER PLUG TOP AND BOTTOM:

Shall be machined from high strength aluminum alloy.

### HEX NET HUB NETS:

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

### HEX NET HUB TOP RAIL:

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

### HEX NET RUBBER TRIM:

Shall be made from high density 3/4" sheet plastic specially formulated for optimum UV stability and color retention.

### SOCKET CLAMPS & MOUNTING BLOCKS:

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.

### MOUNTING INSERTS:

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

### SOCKET CLAMP CLEVIS:

Shall be fabricated using 3/16" thick stainless steel.

### 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.