

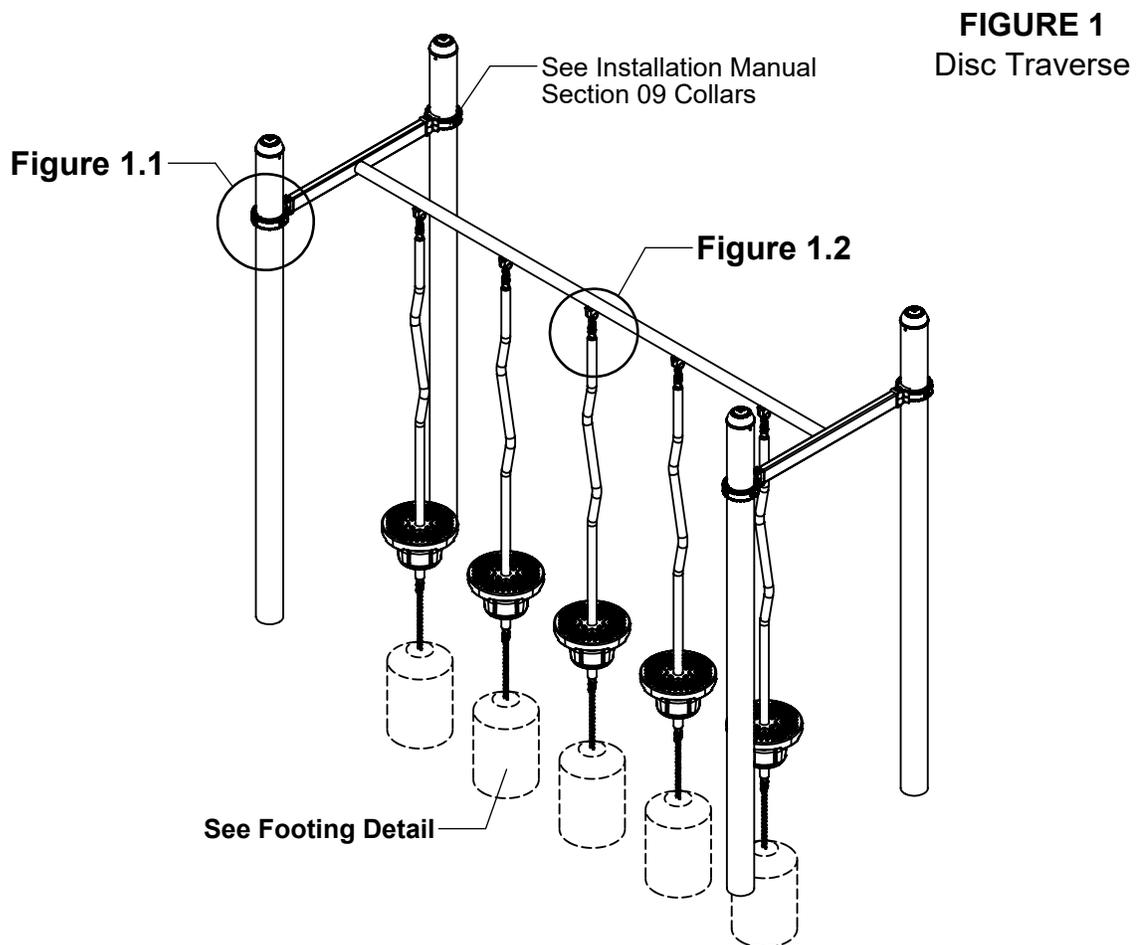
IMPORTANT NOTES: Read First

(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 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 for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.



**FIGURE 1
Disc Traverse**

NOTE: Disc Traverse 122" R5 shown. Other configurations will vary slightly, but does not affect assembly.

Step 1

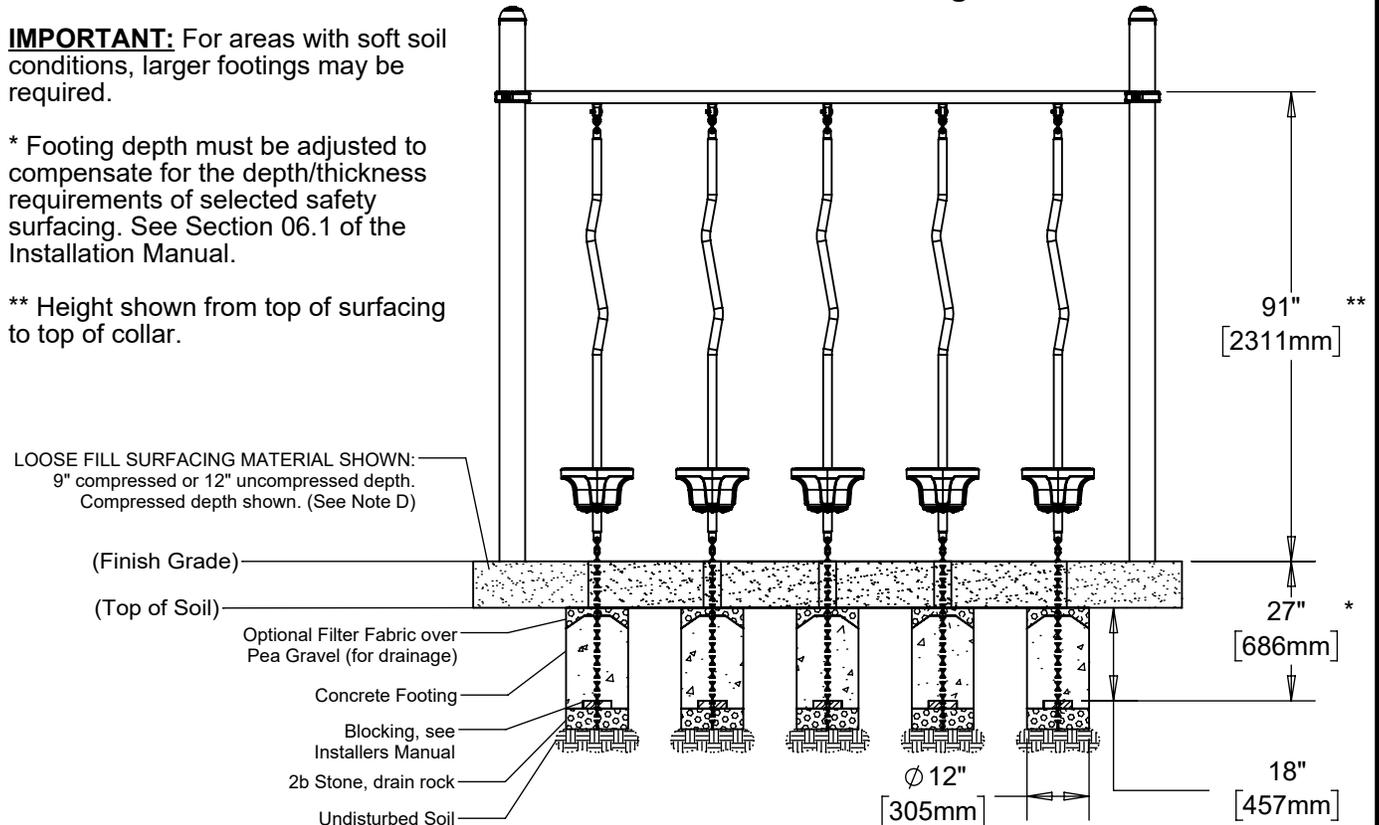
Refer to Footing Layout and mark footing hole locations. Dig (3-6) Ø12" footing holes. Refer to Footing Detail for depth and details.

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

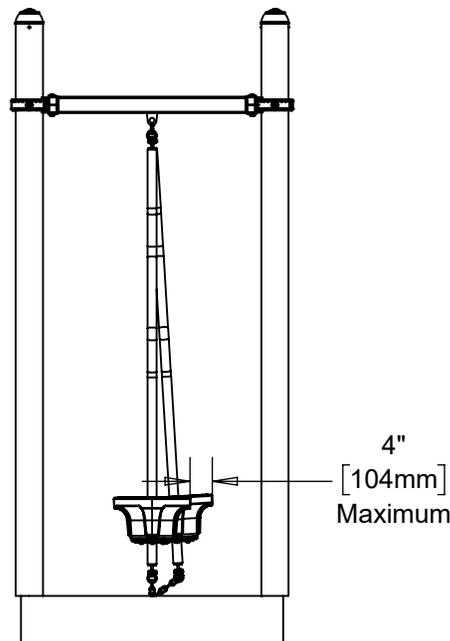
* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

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

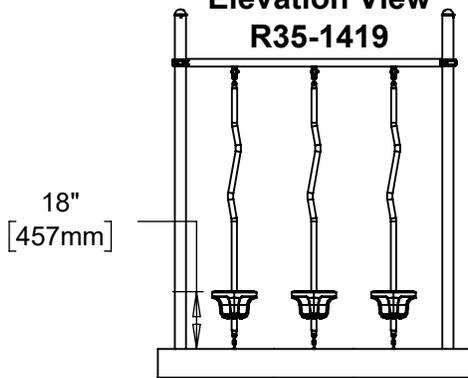
Elevation View - Footing Detail



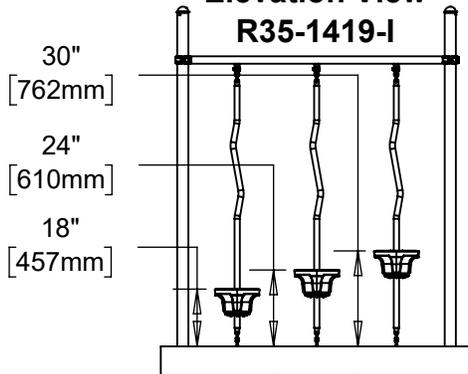
Front View



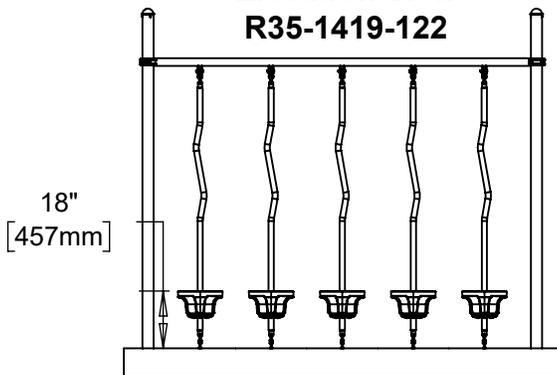
**Elevation View
R35-1419**



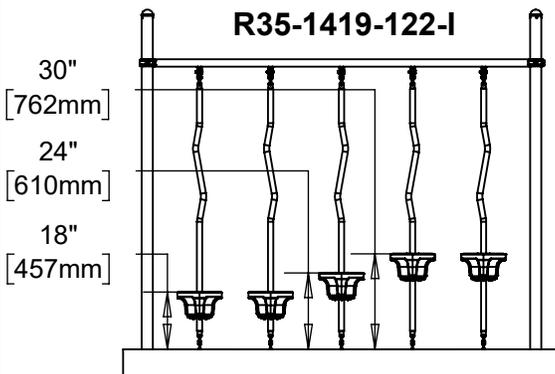
**Elevation View
R35-1419-I**



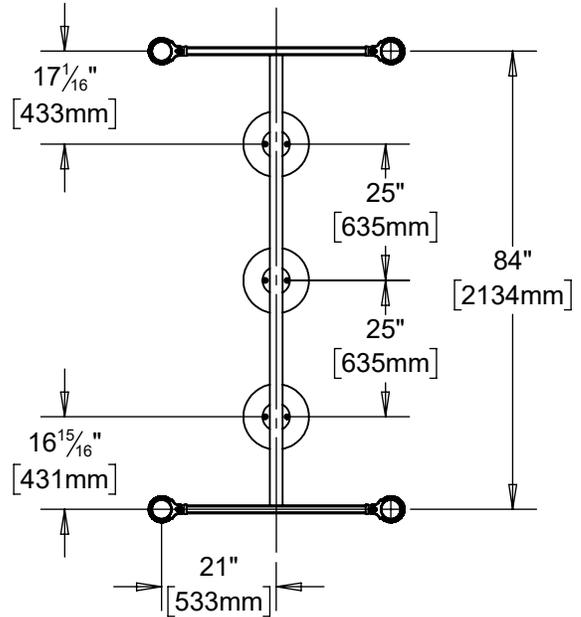
**Elevation View
R35-1419-122**



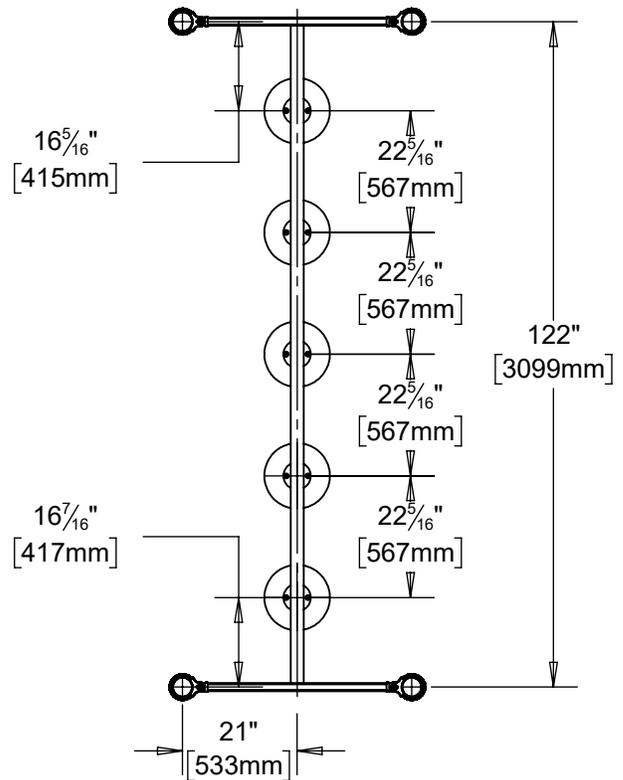
**Elevation View
R35-1419-122-I**



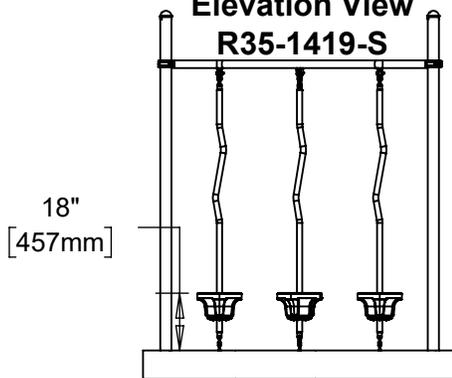
**Top View - Footing Layout
R35-1419 & R35-1419-I**



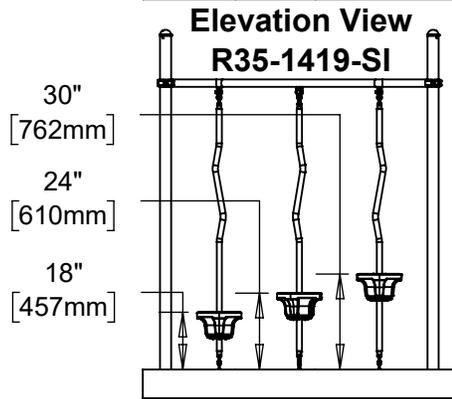
**Top View - Footing Layout
R35-1419-122 & R35-1419-122-I**



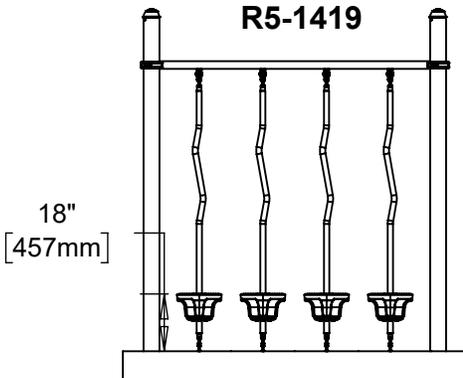
**Elevation View
R35-1419-S**



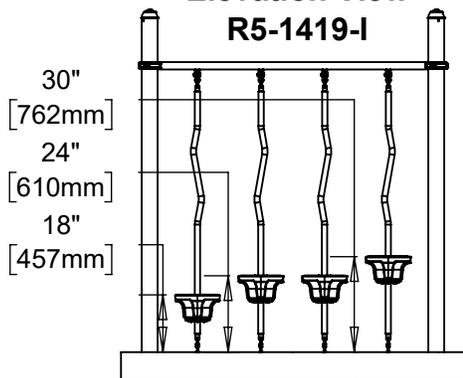
**Elevation View
R35-1419-SI**



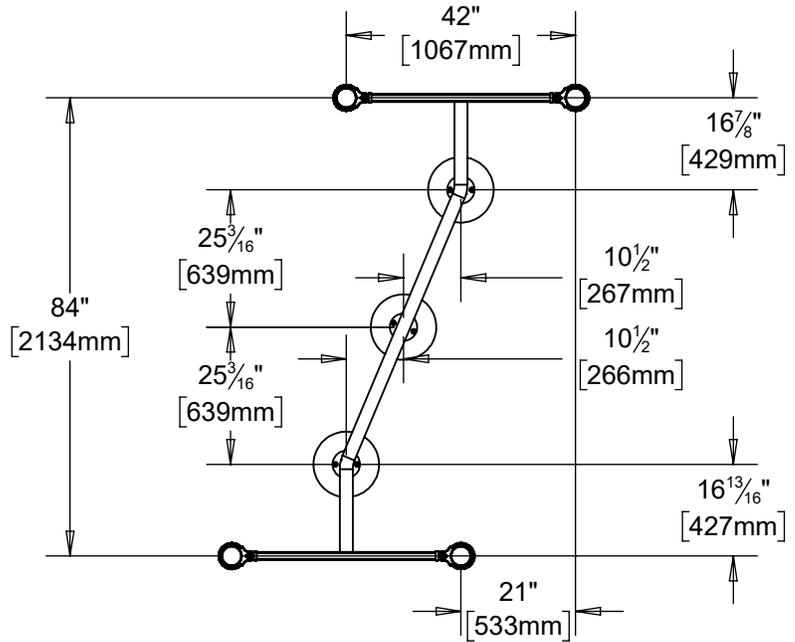
**Elevation View
R5-1419**



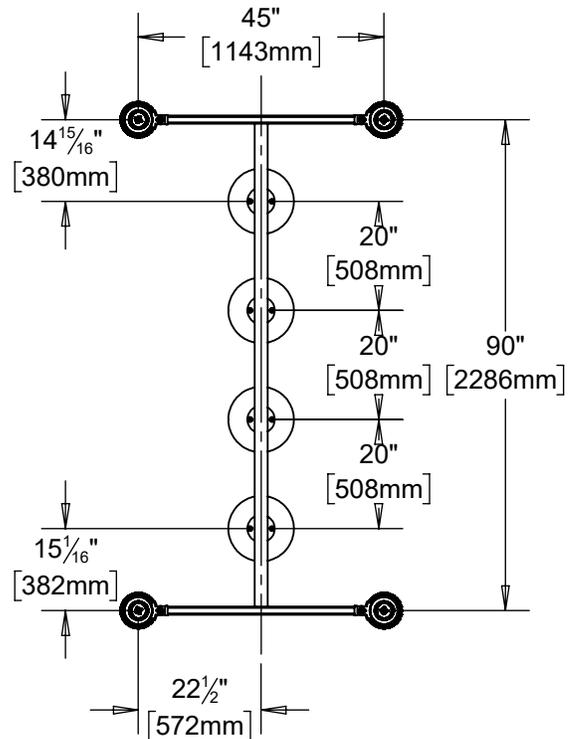
**Elevation View
R5-1419-I**



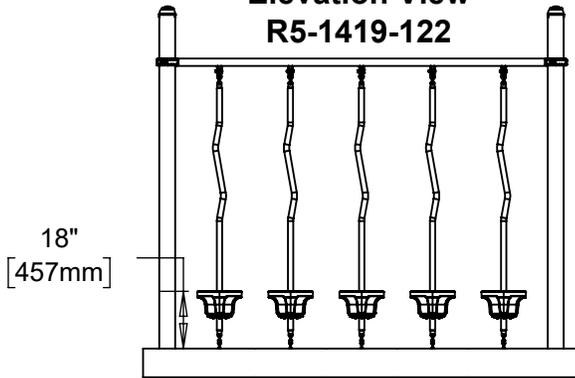
**Top View - Footing Layout
R35-1419-S & R35-1419-SI**



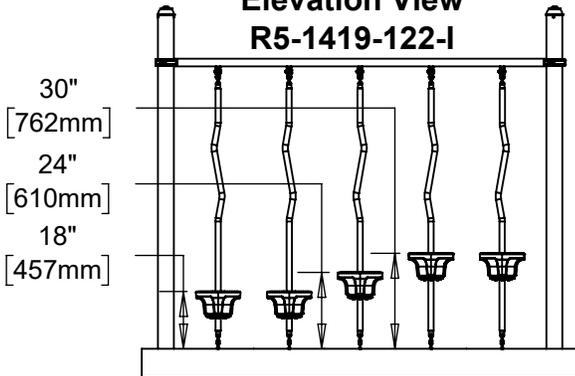
**Top View - Footing Layout
R5-1419 & R5-1419-I**



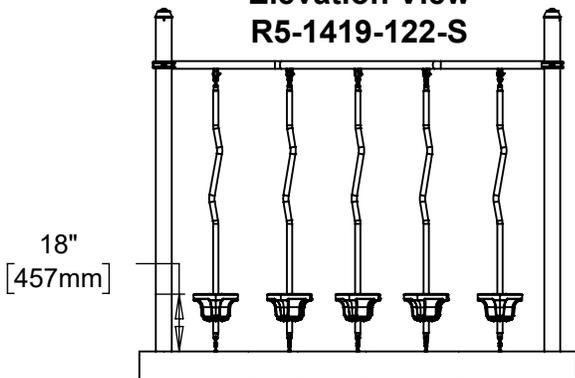
**Elevation View
R5-1419-122**



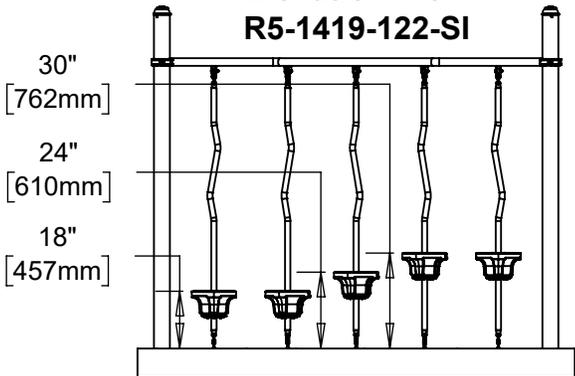
**Elevation View
R5-1419-122-I**



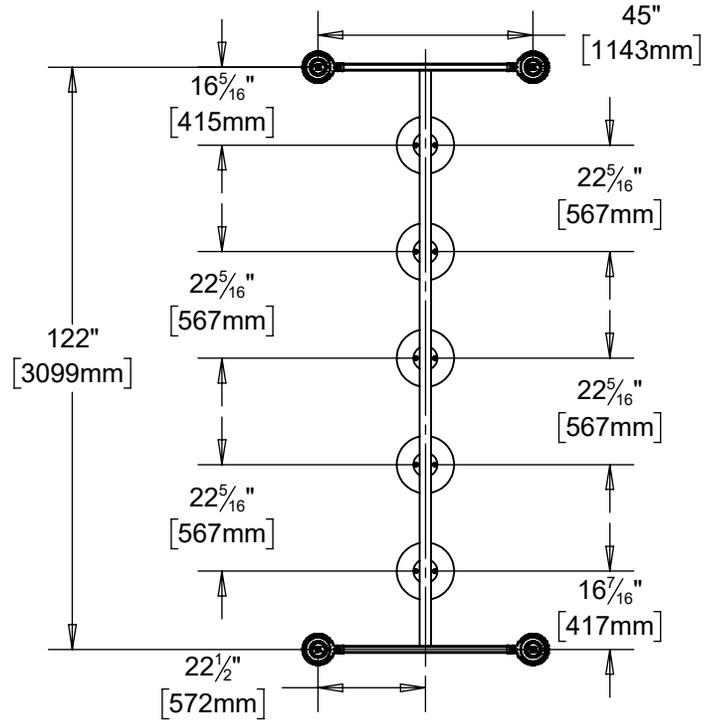
**Elevation View
R5-1419-122-S**



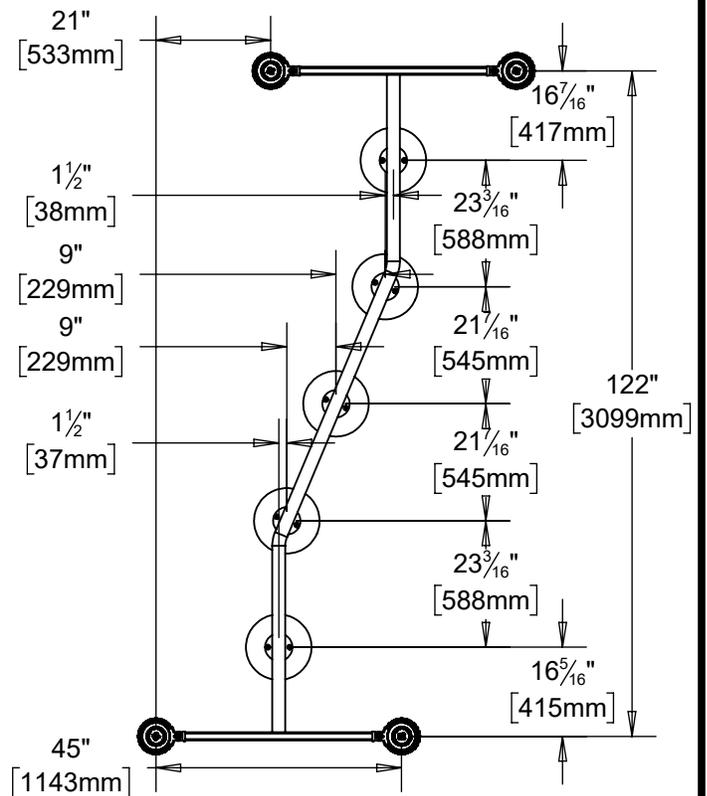
**Elevation View
R5-1419-122-SI**



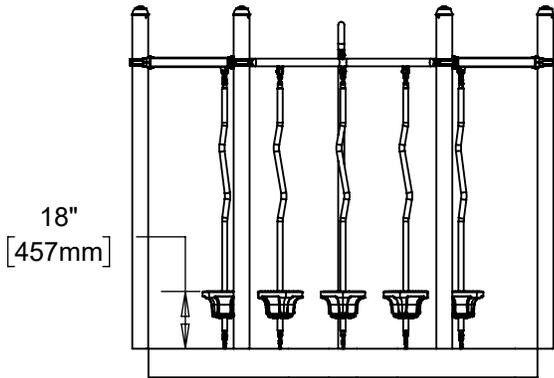
**Top View - Footing Layout
R5-1419-122 & R5-1419-122-I**



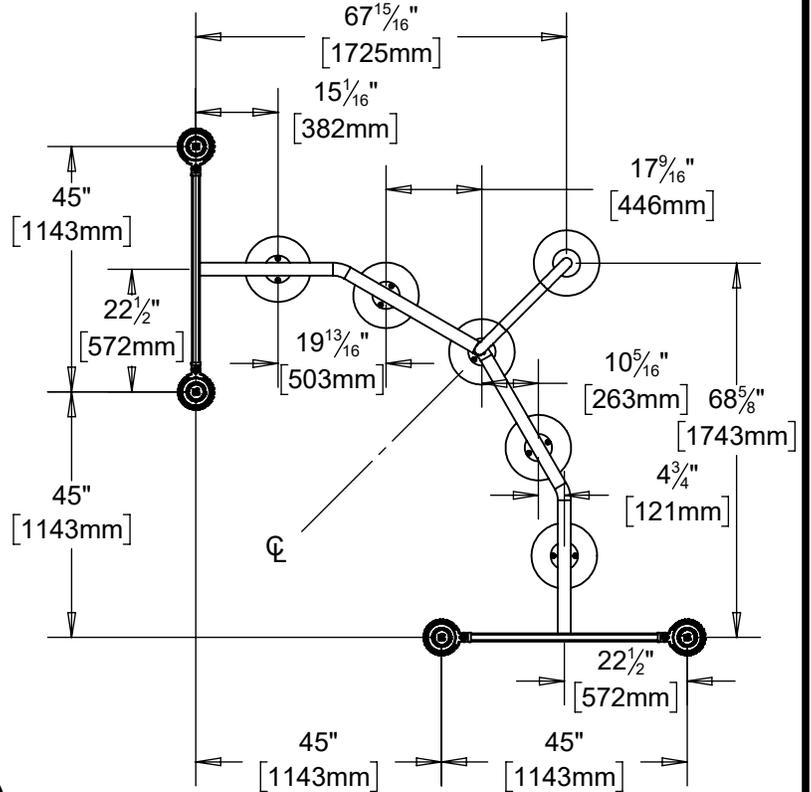
**Top View - Footing Layout
R5-1419-122 & R5-1419-122-I**



**Elevation View
R5-1419-90**



**Top View - Footing Layout
R5-1419-90**



Step 2 (Factory Assembled)

Attach Alignment Plate and Disc Traverse Station to Lily Pad as shown in Figure 2. (See Note A)

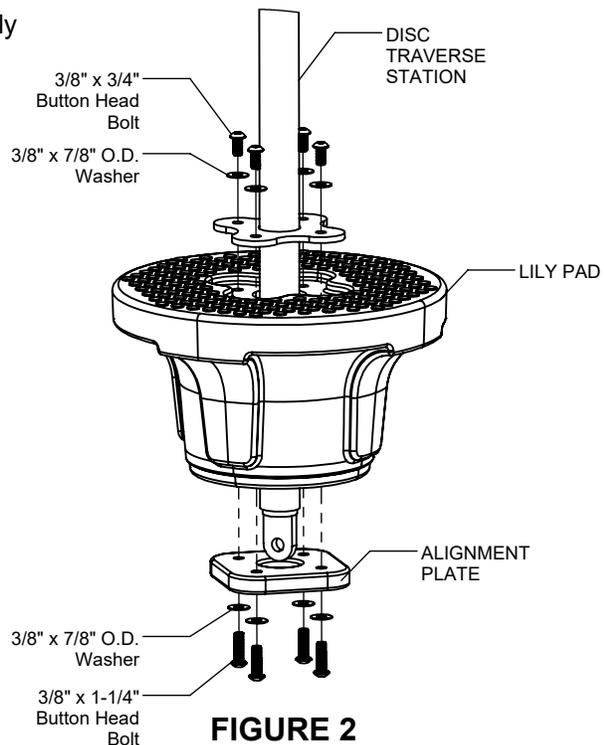


FIGURE 2

Step 3 (Factory Assembled)

Attach Chains to Disc Traverse Stations as shown in Figure 3. (See Note A)

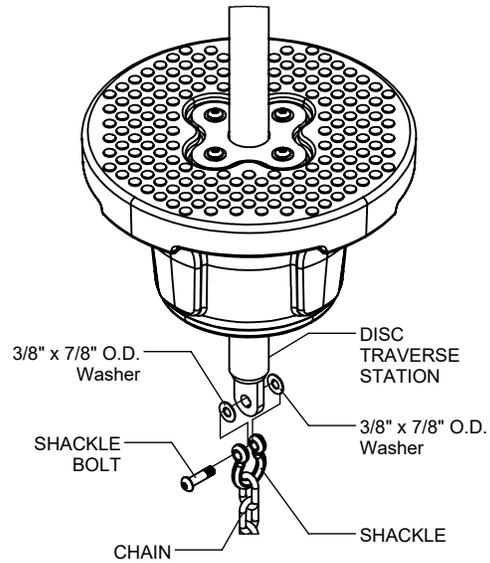


FIGURE 3

Step 4

Locate Collars at heights shown in Elevation View and attach Disc Traverse Beam to post as shown in Figure 1.1. (See Notes A & C)

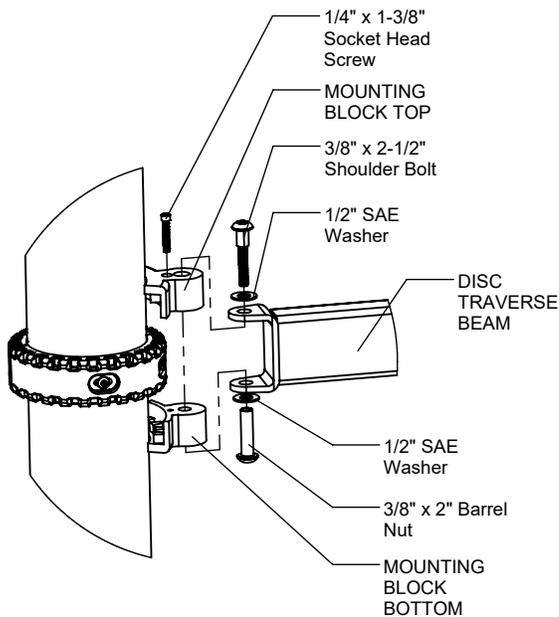


Figure 1.1

Step 5

Place Chains into footing holes and attach Disc Traverse Stations to Beam as shown in Figure 1.2. (See Notes A & B)

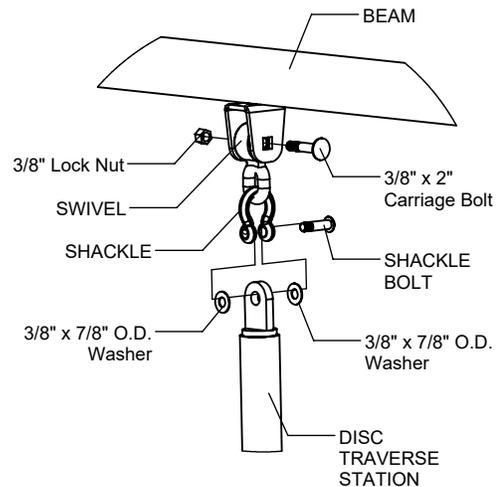


Figure 1.2

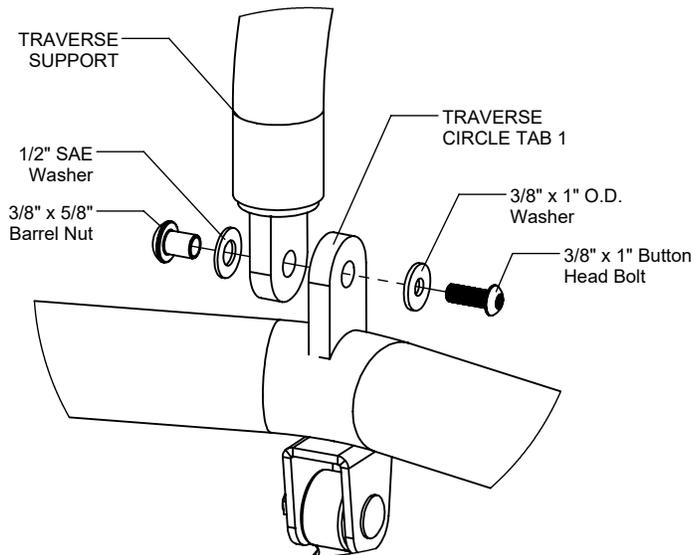


FIGURE 4

Step 6

For 90° R5 Traverse Only

Attach the Traverse Support to the Traverse Circle Tab 1 as shown in Figure 4.

Step 7

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

Step 8

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 9

Place required protective surfacing under and around Disc Traverse. (See Note D)

DISC TRAVERSE INSTALLATION INSTRUCTIONS

1419
Page 9 of 12

S-1419-R35

PARTS LIST		
Part #	DESCRIPTION	QTY
FS-1419-R35	R35 Disc Traverse Beam 84	1
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
451161-SS	Swing Shackle - Stainless Steel	3
471002	Swing Hanger w/ Nut & Bolt	3
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	6
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	3
EE-4439	Disc Traverse Alignment Plate	3
FS-1419-HND	Disc Traverse Station	3
HE-0001	Disc Traverse Chain	3
451161-SS	Swing Shackle - Stainless Steel	3
9103032-TR	Bolt Button Head 3/8" x 3/4"	12
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9333042	Washer Flat 3/8" x 7/8" O.D.	30

S-1419-R35I

PARTS LIST		
Part #	DESCRIPTION	QTY
FS-1419-R35	R35 Disc Traverse Beam 84	1
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
451161-SS	Swing Shackle - Stainless Steel	3
471002	Swing Hanger w/ Nut & Bolt	3
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	6
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	3
EE-4439	Disc Traverse Alignment Plate	3
FS-1419-HAND24	Disc Traverse Station Disc Up 6"	1
FS-1419-HAND30	Disc Traverse Station Disc Up 12"	1
FS-1419-HND	Disc Traverse Station	1
HE-0001	Disc Traverse Chain	3
451161-SS	Swing Shackle - Stainless Steel	3
9103032-TR	Bolt Button Head 3/8" x 3/4"	12
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9333042	Washer Flat 3/8" x 7/8" O.D.	30

S-1419-R35122

PARTS LIST		
Part #	DESCRIPTION	QTY
FS-1419-R35122	Disc Traverse 122" R3.5	1
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
451161-SS	Swing Shackle - Stainless Steel	5
471002	Swing Hanger w/ Nut & Bolt	5
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	10
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	5
EE-4439	Disc Traverse Alignment Plate	5
FS-1419-HND	Disc Traverse Station	5
HE-0001	Disc Traverse Chain	5
451161-SS	Swing Shackle - Stainless Steel	5
9103032-TR	Bolt Button Head 3/8" x 3/4"	20
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	20
9333042	Washer Flat 3/8" x 7/8" O.D.	50

S-1419-R35I122

PARTS LIST		
Part #	DESCRIPTION	QTY
FS-1419-R35122	Disc Traverse 122" R3.5	1
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
451161-SS	Swing Shackle - Stainless Steel	5
471002	Swing Hanger w/ Nut & Bolt	5
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	10
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	5
EE-4439	Disc Traverse Alignment Plate	5
FS-1419-HAND24	Disc Traverse Station Disc Up 6"	1
FS-1419-HAND30	Disc Traverse Station Disc Up 12"	2
FS-1419-HND	Disc Traverse Station	2
HE-0001	Disc Traverse Chain	5
451161-SS	Swing Shackle - Stainless Steel	5
9103032-TR	Bolt Button Head 3/8" x 3/4"	20
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	20
9333042	Washer Flat 3/8" x 7/8" O.D.	50



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

Rev G
6/16/2021

DISC TRAVERSE INSTALLATION INSTRUCTIONS

1419
Page 10 of 12

S-1419-R35S

PARTS LIST		
Part #	DESCRIPTION	QTY
Varries	Disc Traverse Beam S-Shaped 84x21 (R35)	1
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
451161-SS	Swing Shackle - Stainless Steel	3
471002	Swing Hanger w/ Nut & Bolt	3
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	6
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	3
EE-4439	Disc Traverse Alignment Plate	3
FS-1419-HND	Disc Traverse Station	3
HE-0001	Disc Traverse Chain	3
451161-SS	Swing Shackle - Stainless Steel	3
9103032-TR	Bolt Button Head 3/8" x 3/4"	12
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9333042	Washer Flat 3/8" x 7/8" O.D.	30

S-1419-R35SI

PARTS LIST		
Part #	DESCRIPTION	QTY
Varries	Disc Traverse Beam S-Shaped 84x21 (R35)	1
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
451161-SS	Swing Shackle - Stainless Steel	3
471002	Swing Hanger w/ Nut & Bolt	3
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	6
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	3
EE-4439	Disc Traverse Alignment Plate	3
FS-1419-HAND24	Disc Traverse Station Disc Up 6"	1
FS-1419-HAND30	Disc Traverse Station Disc Up 12"	1
FS-1419-HND	Disc Traverse Station	1
HE-0001	Disc Traverse Chain	3
451161-SS	Swing Shackle - Stainless Steel	3
9103032-TR	Bolt Button Head 3/8" x 3/4"	12
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9333042	Washer Flat 3/8" x 7/8" O.D.	30

S-1419-R5

PARTS LIST		
Part #	DESCRIPTION	QTY
FS-1419-90R	Disc Traverse Beam 90 R5	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
451161-SS	Swing Shackle - Stainless Steel	4
471002	Swing Hanger w/ Nut & Bolt	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	8
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	4
EE-4439	Disc Traverse Alignment Plate	4
FS-1419-HND	Disc Traverse Station	4
HE-0001	Disc Traverse Chain	4
451161-SS	Swing Shackle - Stainless Steel	4
9103032-TR	Bolt Button Head 3/8" x 3/4"	16
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	16
9333042	Washer Flat 3/8" x 7/8" O.D.	40

S-1419-R5I

PARTS LIST		
Part #	DESCRIPTION	QTY
FS-1419-90R	Disc Traverse Beam 90 R5	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
451161-SS	Swing Shackle - Stainless Steel	4
471002	Swing Hanger w/ Nut & Bolt	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	8
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	4
EE-4439	Disc Traverse Alignment Plate	4
FS-1419-HAND24	Disc Traverse Station Disc Up 6"	2
FS-1419-HAND30	Disc Traverse Station Disc Up 12"	1
FS-1419-HND	Disc Traverse Station	1
HE-0001	Disc Traverse Chain	4
451161-SS	Swing Shackle - Stainless Steel	4
9103032-TR	Bolt Button Head 3/8" x 3/4"	16
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	16
9333042	Washer Flat 3/8" x 7/8" O.D.	40



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

Rev G
6/16/2021

DISC TRAVERSE INSTALLATION INSTRUCTIONS

1419
Page 11 of 12

S-1419-R5122

PARTS LIST		
Part #	DESCRIPTION	QTY
FS-1419-R	Disc Traverse 122 (R5)	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
451161-SS	Swing Shackle - Stainless Steel	5
471002	Swing Hanger w/ Nut & Bolt	5
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	10
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	5
EE-4439	Disc Traverse Alignment Plate	5
FS-1419-HND	Disc Traverse Station	5
HE-0001	Disc Traverse Chain	5
451161-SS	Swing Shackle - Stainless Steel	5
9103032-TR	Bolt Button Head 3/8" x 3/4"	20
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	20
9333042	Washer Flat 3/8" x 7/8" O.D.	50

S-1419-R5I122

PARTS LIST		
Part #	DESCRIPTION	QTY
FS-1419-R	Disc Traverse 122 (R5)	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
451161-SS	Swing Shackle - Stainless Steel	5
471002	Swing Hanger w/ Nut & Bolt	5
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	10
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	5
EE-4439	Disc Traverse Alignment Plate	5
FS-1419-HAND24	Disc Traverse Station Disc Up 6"	1
FS-1419-HAND30	Disc Traverse Station Disc Up 12"	2
FS-1419-HND	Disc Traverse Station	2
HE-0001	Disc Traverse Chain	5
451161-SS	Swing Shackle - Stainless Steel	5
9103032-TR	Bolt Button Head 3/8" x 3/4"	20
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	20
9333042	Washer Flat 3/8" x 7/8" O.D.	50

S-1419-R5S122

PARTS LIST		
Part #	DESCRIPTION	QTY
Varries	Disc Traverse Beam 122x21 (R5)	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
451161-SS	Swing Shackle - Stainless Steel	5
471002	Swing Hanger w/ Nut & Bolt	5
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	10
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	5
EE-4439	Disc Traverse Alignment Plate	5
FS-1419-HND	Disc Traverse Station	5
HE-0001	Disc Traverse Chain	5
451161-SS	Swing Shackle - Stainless Steel	5
9103032-TR	Bolt Button Head 3/8" x 3/4"	20
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	20
9333042	Washer Flat 3/8" x 7/8" O.D.	50

S-1419-R5SI122

PARTS LIST		
Part #	DESCRIPTION	QTY
Varries	Disc Traverse Beam 122X21 (R5)	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
451161-SS	Swing Shackle - Stainless Steel	5
471002	Swing Hanger w/ Nut & Bolt	5
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333042	Washer Flat 3/8" x 7/8" O.D.	10
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST		
Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	5
EE-4439	Disc Traverse Alignment Plate	5
FS-1419-HAND24	Disc Traverse Station Disc Up 6"	1
FS-1419-HAND30	Disc Traverse Station Disc Up 12"	2
FS-1419-HND	Disc Traverse Station	2
HE-0001	Disc Traverse Chain	5
451161-SS	Swing Shackle - Stainless Steel	5
9103032-TR	Bolt Button Head 3/8" x 3/4"	20
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	20
9333042	Washer Flat 3/8" x 7/8" O.D.	50



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

Rev G
6/16/2021

S-1419-R5-90

PARTS LIST

Part #	DESCRIPTION	QTY
FS-1411-90A	Loop Traverse 90° Support	1
FS-1419-R5-90	Disc Traverse 90° R5	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
451161-SS	Swing Shackle - Stainless Steel	5
471002	Swing Hanger w/ Nut & Bolt	5
9103052-TR	Bolt Button Head 3/8" x 1"	1
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	1
9333042	Washer Flat 3/8" x 7/8" O.D.	10
9345002	Washer Flat SAE 1/2"	9
9443022-TR	Nut Barrel 3/8" x 5/8" BH	1
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ASSEMBLED PARTS LIST

Part #	DESCRIPTION	QTY
DE-4367-H	Lily Pad with Hole	5
EE-4439	Disc Traverse Alignment Plate	5
FS-1419-HND	Disc Traverse Station	5
HE-0001	Disc Traverse Chain	5
451161-SS	Swing Shackle - Stainless Steel	5
9103032-TR	Bolt Button Head 3/8" x 3/4"	20
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	20
9333042	Washer Flat 3/8" x 7/8" O.D.	50

Specifications

DISC TRAVERSE:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 1.5"x3" 11 gauge rectangular steel tube, welded 1/4" thick steel clevises and 3/16" thick clevises, and will have a multi-stage baked-on powder coat finish.

DISC TRAVERSE STATION:

Shall be fabricated using 1.660" O.D. 11 gauge steel tubing with welded 3/8" thick steel tabs and 1/4" thick steel mount plate. The Disc Traverse Station shall have a multi-stage baked-on powder coat finish.

DISC TRAVERSE 90° SUPPORT:

Shall be fabricated using 1.900" O.D. Galv T.S. 11 gauge steel tubing with welded 1/2" thick steel tabs and 5/8" round bar.

LILY PAD WITH HOLE:

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

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.

DISC TRAVERSE ALIGNMENT PLATE:

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

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.

