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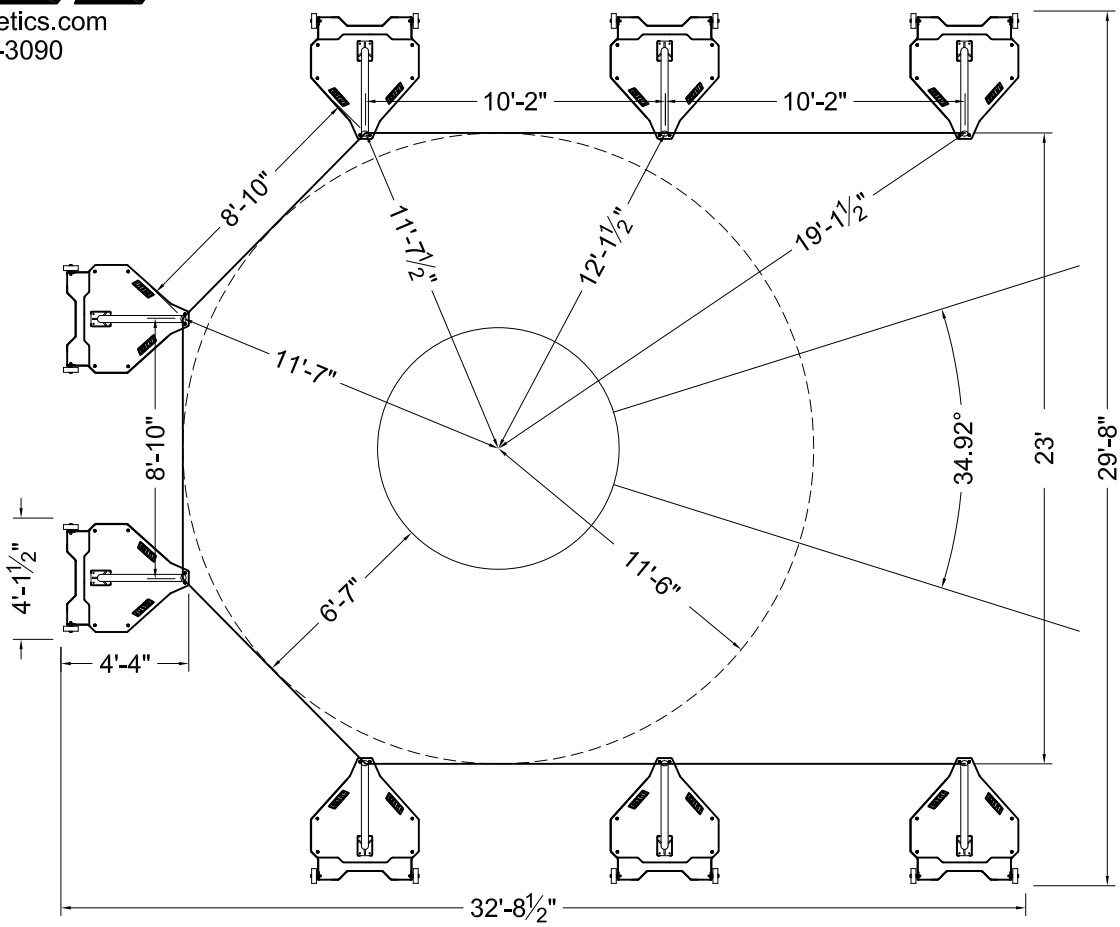
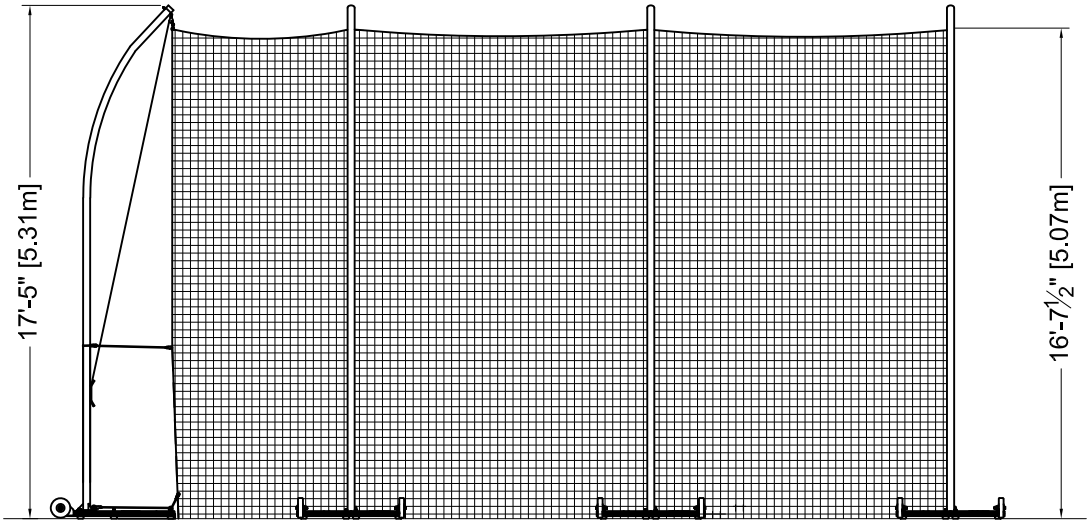
734230 - NCAA PORTABLE DISCUS CAGE 2024
SPECIFICATIONS





The 732230, NCAA Portable Discus Cage, is designed to be set up and removed as needed. The cage consists of eight aluminum net poles with steel bases, weather treated nylon net, and replaceable bungee cords to secure the net at each base. The steel bases are each furnished with two wheels, allowing the assembled net poles to be rolled into position with ease. The net poles are 2 7/8" OD, 0.203" wall, 6063-T6 aluminum tube. Pole bases are fabricated from 6" x 2" x 3/16" wall steel tube and 3/16" thick steel angle. All steel parts are finished with durable black powder coat paint. Pole bases are weighted with 5 gallon, heavy duty plastic jugs which are to be filled with sand or water. The cage poles stand 5.3m tall. The net is #42A knotless, nylon netting with a breaking strength of 340lbs. test. These instructions depict a narrow mouth cage. In practice fields, the front net poles can be moved out to widen the cage mouth.

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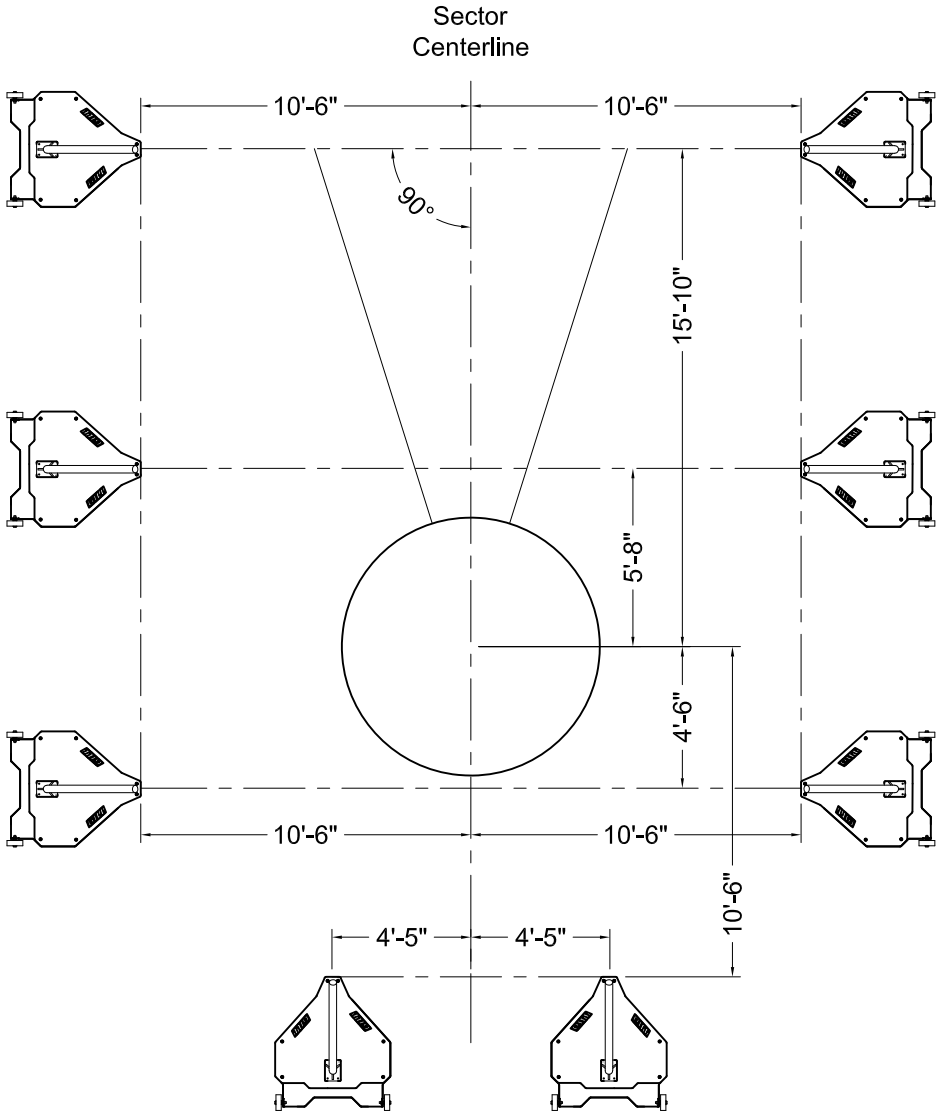
734230 - NCAA PORTABLE DISCUS CAGE 2024
POLE POSITION LAYOUT

1. Layout and mark circle center and sector lines. Locate and mark with a string line the sector center line. This line should extend 16' forward and 12' behind the circle center. Along this line, locate and mark with stakes points 5' 8" and 15' 10" in front of the circle and 4' 6" and 10' 6" behind the circle center.

2. Locate and mark leading edge of net pole bases. On lines perpendicular to the sector center line; mark points 10' 6" to the right and left for the six front bases, 4' 5" from the sector center line for the back bases. Position net poles at these positions as shown in the diagram below.

3. Fill weight jugs with sand or water, place in base weight trays and install jug covers. Adhesive back Velcro tape is provided to help secure the covers. Align Velcro tape on tray edge with cover flap.



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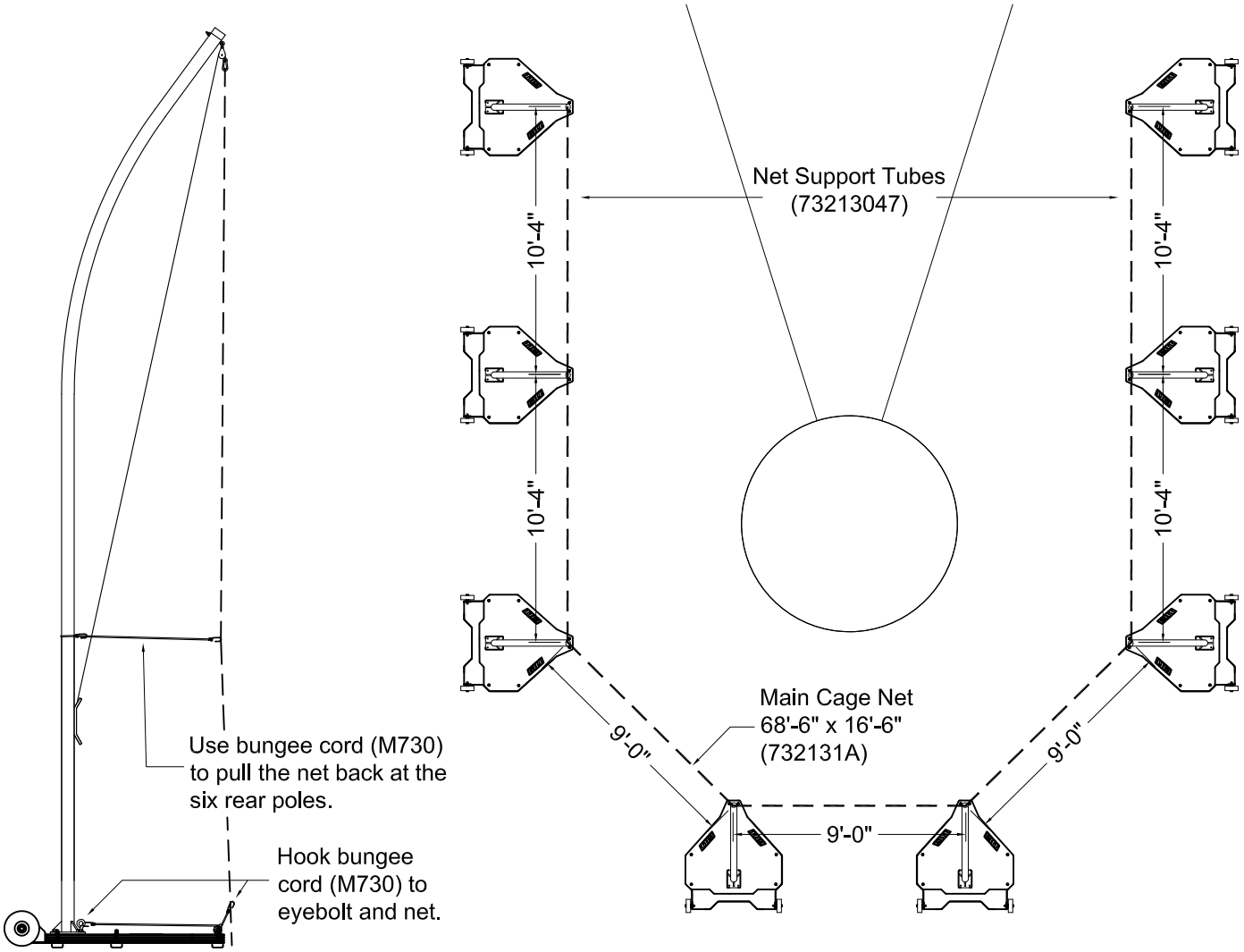
NET INSTALLATION

1. To ensure the net is evenly spaced when it is installed, mark each hook position on the net according to the diagram below. Stretch the net out flat and stake one upper corner to the ground along with the end of a 100 ft. long measuring tape. Stretch the net, and tape to 68' 6" and stake the corner to hold its position next to the tape. Mark the top of net at the dimensions shown.

2. Lay out the net inside the cage poles with each marked position next to the appropriate net rope hook. To minimize sag between the first two poles, the net is supported by a galvanized steel support tube on each side. To install the tube, attach a short 1/4" eyebolt with a nylock hex nut at one end of each tube. At the top corner of the net, weave the tube in and out through every 4th net opening just below the top edge of the net for 10 feet. The installed eyebolt should now be even with the corner of the net. Install the second eyebolt in each tube.

3. At each position hook both the net and binding rope. At each end of the support tubes, be sure the hook is also through the eye bolt. Raise the net to the top of the poles and tie off the ropes. Hook one end of the bungee cord to the eye bolt at the pole base. Pass it through the outer eye bolt and hook the net so it is taught. The bottom few inches of the net is supposed to lay on the ground to help trap a discus. Six additional bungee cords have been provided to hold the net back around the circle in windy conditions.



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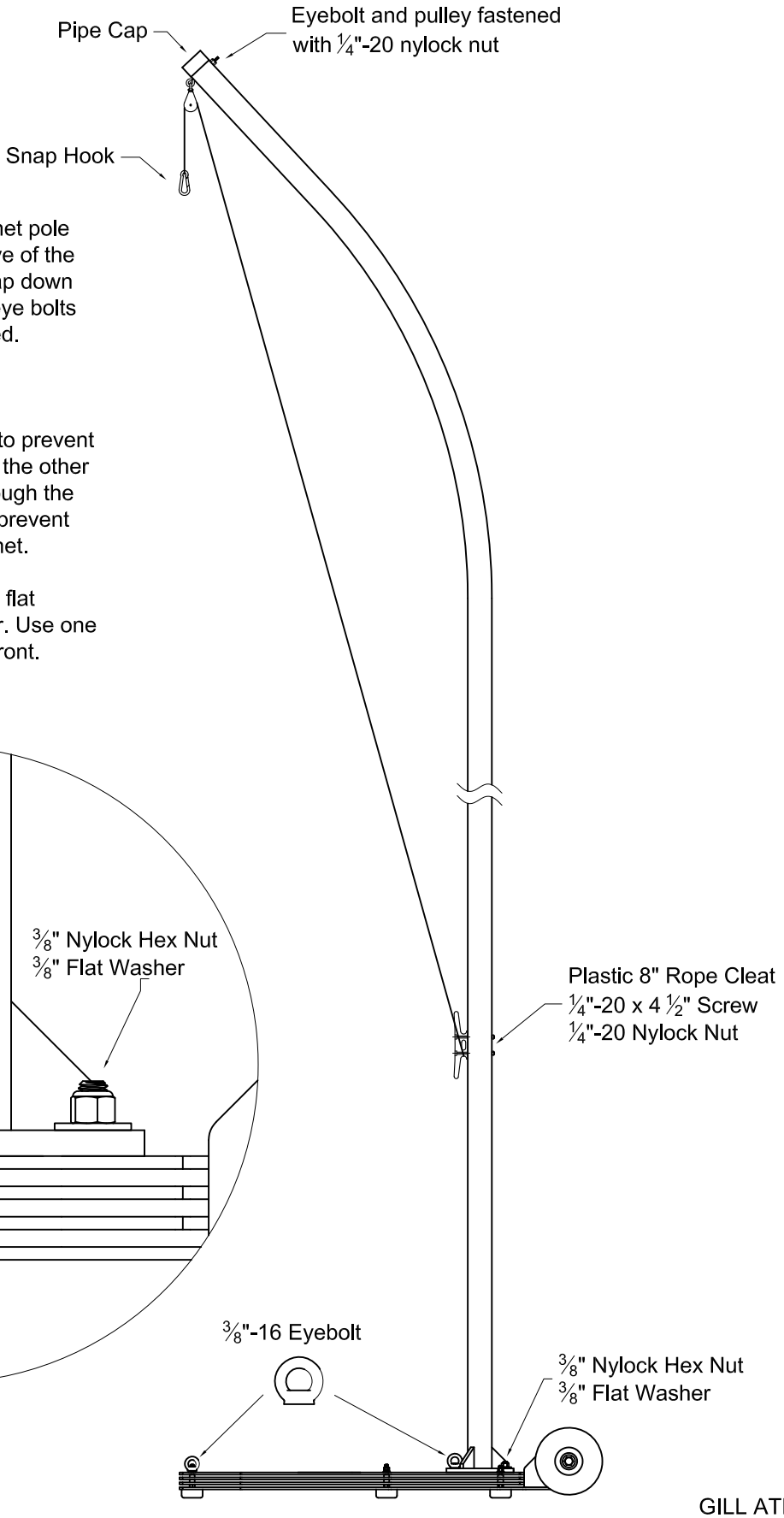
73222020 & 73223020 - PORTABLE CAGE NET POLES
NET POLE ASSEMBLY

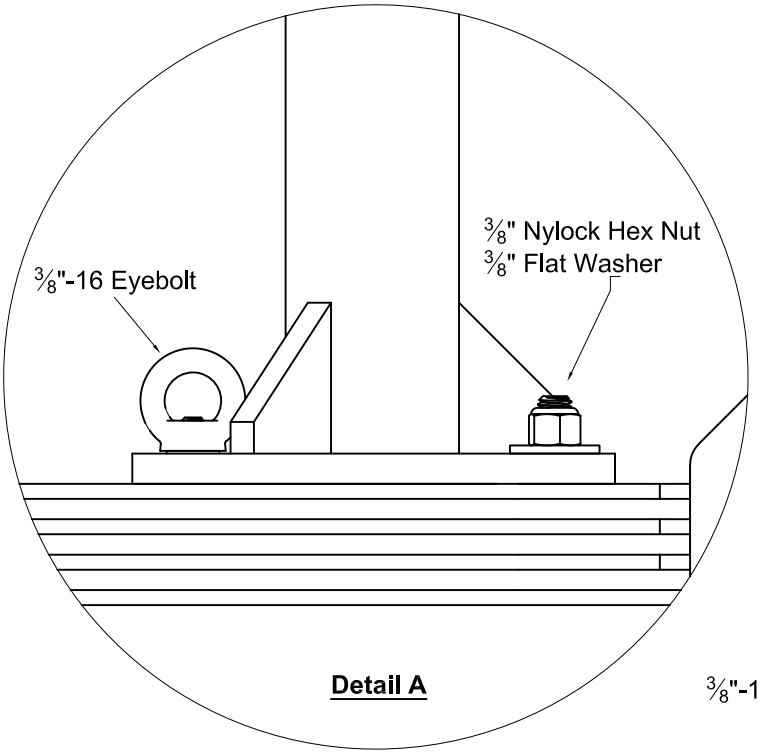


1. Install pulley assembly at the top of the net pole with 1/4" nylock hex nuts. The gap in the eye of the bolt should face up. Install the black pole cap down to the pulley eye bolt. The thread on these eye bolts can be trimmed after installation, if so desired.

3. Install the rope cleat with 1/4" hardware.

4. Cut each 50' rope in half and melt ends to prevent fraying. Tie one end to snap hook and feed the other through the pulley. After the rope is fed through the pulley, tie the loose end to the rope cleat to prevent the rope from being lost when lowering the net.

5. Attach the pole to the base with two 3/8" flat washers and two 3/8" nylock nuts in the rear. Use one 3/8" flat washer and one 3/8" eyenut in the front. See **Detail A** below.



Detail A

GILL ATH
08/12/24

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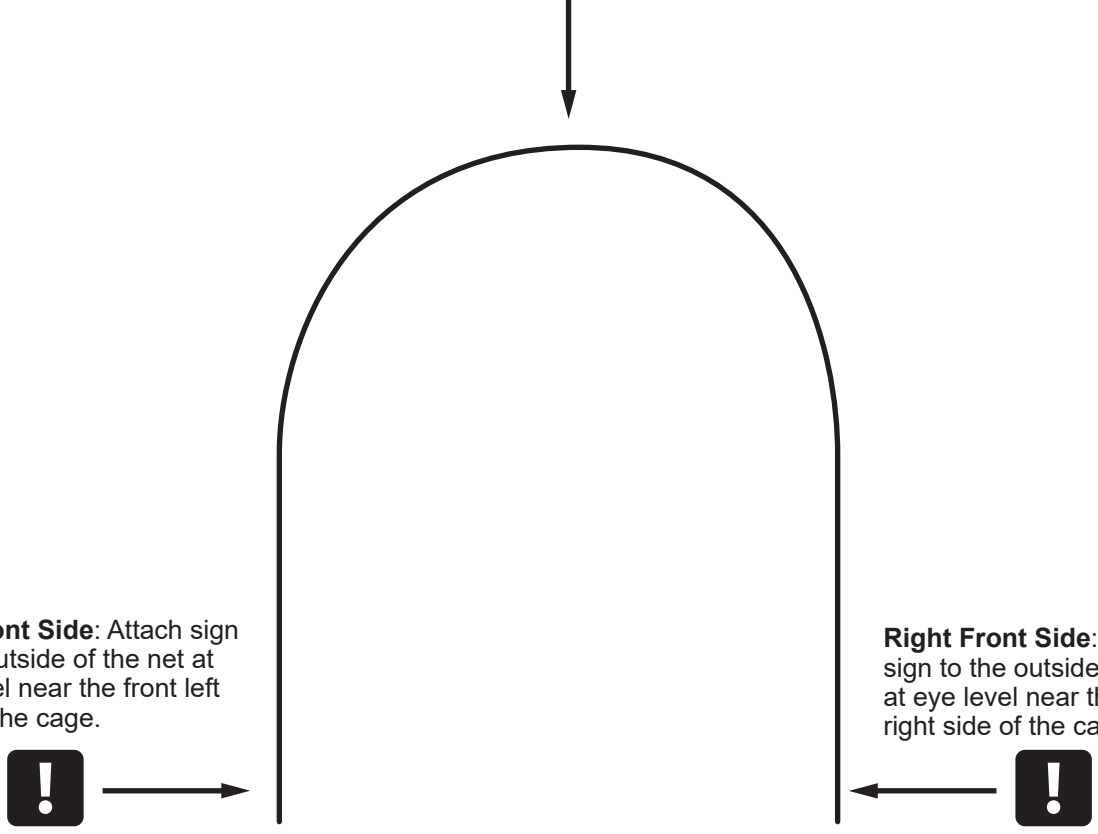
THROWING CAGE
INSTALLATION OF WARNING SIGNS

For the protection of athletes, spectators, and coaches install warning signs according to the diagram below.

Attach signs (M2322) to the cage net with the included 1.25” rings (M1250) in each corner. Signs should face away from the cage toward spectators.

Center Back: Attach sign to the outside of the net at eye level in the middle of the back of the cage.



Left Front Side: Attach sign to the outside of the net at eye level near the front left side of the cage.

Right Front Side: Attach sign to the outside of the net at eye level near the front right side of the cage.

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3/1/2021
CageWarningSign_inst1

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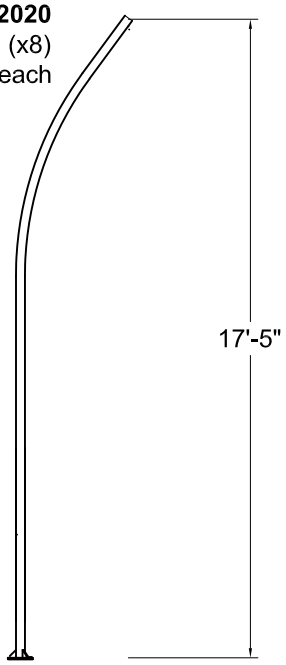
734230 - PORTABLE DISCUS CAGE
SHIP LIST

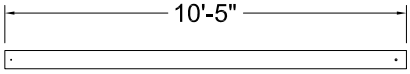
73222020
NET POLE (x8)
35 lb each



73226390 - HWDE COMPONENTS (x8) Box: 14"x10"x10" 30 lb

Part	Description	Qty
M702	WHEEL BB OFFSET HUB; 8" X 2-1/2" X 5/8	2
M2278	HEX HEAD CAP SCREW; 5/8" X 4"; ZINC	2
HDWE030690E0	NYLOCK NUT; 5/8"-11; ZINC	2
M2293	FLAT WASHER; 5/8"; ZINC; SAE	4
M2292	JAM NUT; 5/8"-11; ZINC	2
FEET00035000	RUBBER FOOT 2-1|2OD X1THK (613A-034K)	7
M2534	FLAT WASHER; 3/8"; SS; SAE	25
HDWE012170E0	HEX HEAD CAP SCREW; 3/8"-16 X 3-1/2"; ZINC; GRADE 5; FULL THREAD	7
SPCR00007	LDPE UNTHREADED SPACER; 3/4" OD; 1/2" LONG; FOR 3/8" SCREW SIZE	20
M1235	NYLOCK NUT; 3/8"-16; THIN	10
HDWE020790E0	CARRIAGE BOLT; 3/8"-16 X 3-3/4"; ZINC; GRADE 5 | 90185A640	3
INST73226025	INSTRUCTIONS FOR PORTABLE NET POLE BASE ASSEMBLY	1
SHIP06	6 DISCUS BOX (13X9X9)	1
HDWE030020E0	HEX NUT; 3/8"-16; ZINC	10
HDWE040020E0	LOCK WASHER; 3/8"; ZINC; SPLIT RING; HEAVY	10
HDWE53005000	EYE NUT; 3/8"-16; TAPPED HOLE MCM 3112T33	2

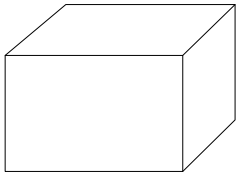
73213047 - NET SUPPORT TUBE (x2)
8lb each



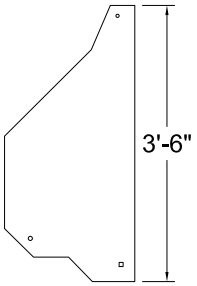
73423040 - CAGE COMPONENTS(x1) Box: 37"x14"x15" 11 lb

Part	Description	Qty
73223063	POLE HW BAG NCAA CAGE	1
73223064	ROPE HW BAG NCAA CAGE	1
PAINT00010016	TOUCH-UP PAINT- AEROSOL - FLAT BLACK	1
M2005	1/4 ROPE POLYESTER BRAIDED CORD	400
M2322	THROWING CAGE WARNING SIGN	3
M1250	LOOSE LEAF RING 1"	12
M730	5/16 X 30 BUNGE CORD	14
INST732230	732230 INSTRUCTIONS	1
LABL00625	INSTRUCTIONS INCLUDED STICKER (ULINE S-6164)	1

732131A - MAIN CAGE NET (x1)
Box: 21x21x14
50lb

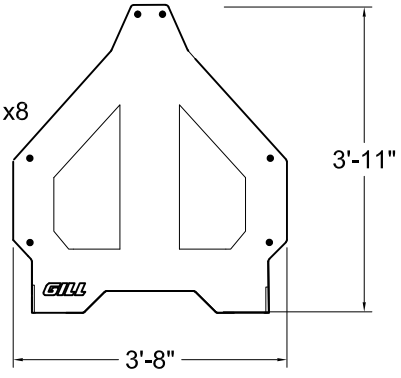


73226325 - BALLAST PLATE (x48)
Weight: 47 lb each



73226225 - BOTTOM
PLATE WELDMENT x8

Weight: 65 lb each



▲ **WARNING**: This product can expose you to Titanium Dioxide, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

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GILL ATH
10-29-25
734320_ship