

Instructions For Installation of Badminton Floor Sleeves

- 1) Mark two spots of the floor exactly 20 feet apart. These represent the centers of each sleeve installation.
- 2) Cut two round holes through the playing surface 2 ½ inches to 3 ½ inches maximum diameter that are centered on each of the spots you marked.
- 3) After cutting out the circle in the surface flooring, cut a similar hole in the concrete slab below. The diameter of this hole can be 3 inches to 4 inches. The size of this hole is not critical. It simply must be large enough to accommodate the sleeve. This can be accomplished with a core bit or by drilling a series of small holes around the circumference. The hole in the concrete does not need to be neat.
- 4) When drilling the hole in the concrete, you need to fully penetrate the concrete slab. Under the slab, hollow out (by hand) an area about 8-10 inches all the way around the edges of the hole. Depth should also be about 16-20 inches from the playing surface. This will mean that the hole is about 6 inches deeper than the bottom of the sleeve once it is inserted.
- 5) We recommend you use a “non-shrink” grout to anchor the sleeve. We use Masterbuilders Masterflow #713. Other good brands are SuperRock, Embeco, and Hydrocide. Pour the mixture into the hole until it is just below the bottom of the concrete hole. Cover the sleeve during the installation to prevent debris from falling into it.
- 6) Insert the sleeve and work it down into the grout until the inside bottom of the sleeve is 14 ½ inches below the top surface of the floor. (If, for some reason, you can't get the sleeve set at this depth, it is possible to alter the post to get the correct net heights.)
- 7) Pay particular attention to perpendicularity of the sleeve relative to the playing surface. Even a few degrees off vertical will result in the post being visibly skewed.
- 8) Turn the ring and cover upside down and approximately center it over the hole. Holding it firmly in place, outline it on the floor. Note: the purpose in centering this ring and cover above the sleeve, will allow the post to pass through to the sleeve below. It may be slightly off-center and still work. This over-sized design facilitates movement of the floor now or in the future. (For extreme cases of movement, a larger cover is available, and can be retrofitted.)
- 9) A counter bored hole 4 ½ inches diameter with a depth of 9/16 inches will have to be made to receive the floor plate top (Detail #2). This may be done by using a router and a template. A template can be made from a piece of masonite or thick plastic. Make a hole in the template material so that when the router is used with it, the counter bored diameter is 4 ½ inches. Use a scrap board for practice in checking the outcome of the hole first.

(over)

- 10) Center the template over the 5-inch diameter hole. When making the counter bored hole, keep pressure on the template at all times. This will keep the template from slipping and also the wood floor around the floor plate will not splinter. Do not set the depth of the router at 9/16 inches immediately. Gradually work down to the depth at which the floor plate is just flush with the surface of the floor. Place the floor plate down into the hole several times so as not to make the hole too deep. When installed, the plate must fit perfectly flush with the top surface of the floor.
- 11) Place the ring in the routed out portion of the hole. Inside the ring are three (3) holes. Use the provided screws in the holes to secure the ring to the floor. (Normally this will be located in such a fashion that the covers open away from the court, though this is not critical.)
- 12) Wait a minimum of seven days before setting up the poles.

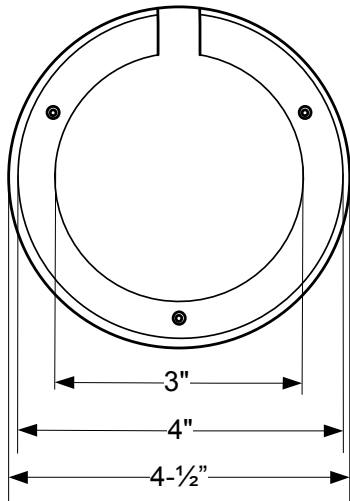
Instructions For Set-Up of Badminton Net System

- 13) Open up the brass floor cover plates in the floor, and Insert the badminton posts into the floor sleeves.
- 14) Use a tape measure to measure the height of the post from the floor surface to the groove where the net ropes will sit. This measurement should be 5'1". If it is not, remove the post, and adjust the adjustable bolt at the bottom until both posts measure 5'1".
- 15) Take the top rope of the badminton net, feed it through the groove on the top cap, and pull it down through the rope cleat. From the other post, pull the top rope toward you, over the top cap groove, and down through the rope cleat again to get initial tension.
- 16) Use a tape measure to measure the net height at center court. It should be 5'. If it is too low, move to one post and pull more of the top cable through the cleat.
- 17) Tie the top corner laces of the net around the posts and above the cleat. Tie the lower corner laces around the posts and beneath the tie-off buttons. (See drawing)
- 18) At this point, you should be ready for badminton. If net height has still not been achieved, disconnect the net, and raise/lower posts using adjustable bolts until proper height of 5' at the center and 5'1" at the edges has been achieved.

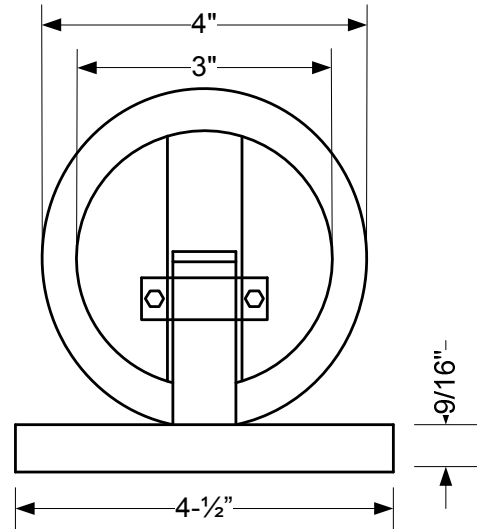
BADMINTON COVER PLATE

MODEL # BM30CV

Cover Ring (Top View)



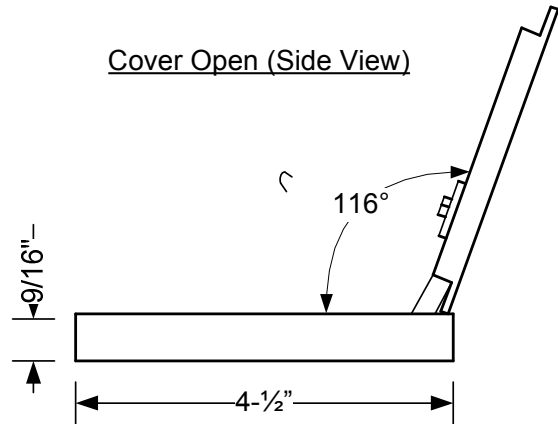
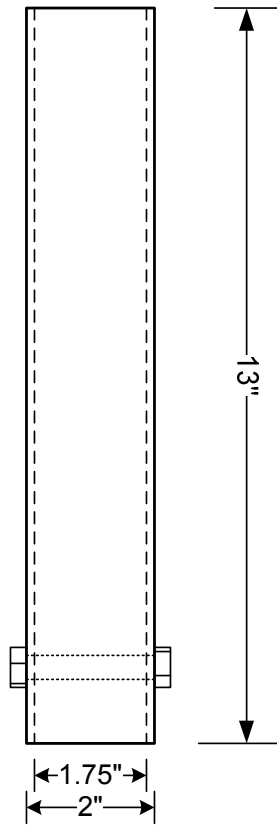
Cover Open (Facing)



BADMINTON FLOOR SLEEVE

MODEL # BM10S

Cover Open (Side View)



SLEEVE-TYPE BADMINTON

Model No. SNABAD1

