

# Dart-Stop HexTile Dartboard Backboard

## Detailed Step-by-Step Wall Mounting Instructions

### Required and Optional Tools (See separate sheet for illustration)

- Stud Finder and Carpenter's Level or Plumb Line (Optional)
- Measuring Tape and Pencil or Marker
- Hammer or Rubber Mallet
- Screwdriver (Electric or Hand), Phillips-type
- Electric Drill and bits: 1/4-inch/6.5mm, 3/16-inch/4.5mm, 1/8-inch/3.2 mm & 7/64-inch/2.5mm. See Steps B2 & C3. Masonry bits required for tile, concrete, plaster and stucco; Hammer Drill recommended.

### What's Included (See separate sheet for illustration)

- 1 Central/ Dartboard Panel and hardware to mount it:
  - #10 plastic anchors (larger ones): 2
  - #10 x 3-inch Phillips flat head sheet metal screws: 2
- 9 "Field" Tiles and hardware to mount them:
  - #8 plastic anchors (smaller ones): 11 (2 extra)
  - The Kappet™ system by Pro-Dec
    - #8 x 1-1/2-inch Cap-Head screws: 11 (2 extra)
    - Screw Snap-Caps™: 14 (5 extra. Manufacturer color and part numbers below)
      - Black Fabric: "Black/ 3/3-180"
      - Burgundy Fabric: "Old Burgundy/ 3/3-163"
      - Beige Fabric: "Nestle Brown/ 3/3-131"
  - Nail for marking the tile mounting holes: 1
- Bristle dartboard mounting screw: #12 x 7/8-inch sheet metal screw: 1

### A. Determine the Location and Layout of Backboard Tiles

- Choose a dry, indoor location at least 3 to 5 feet [1-1.5 m] wide and 10 to 12 feet [3-3.7 m] deep.
- Know that thrown darts will "bounce-out", so locate the backboard away from furniture, etc. that may be damaged. A rug or other floor covering is recommended to protect dart tips and/or wood floors.
- For scoreboards, etc. next to the backboard, allow at least 18 to 24 inches [50-60 cm] of clear space.
- Are you using more than one kit or more than one color? For assistance with planning and laying out tiles, see separate sheet: "Multi-Kit/ Multi-Color Field Tile Layout Planner/ HexTile Grid."
- The middle of the Central/Dartboard panel will be located at 68 inches from the floor so that the dartboard will be located at regulation height.
- *For maximum stability in drywall construction, locate your Central panel so the mounting points are centered on a wood stud. Plastic wall anchors are included so that you can mount your backboard on most wall materials. See the next step for more information.*

### B. Mounting the Central/ Dartboard panel to the Wall

1. Optional Step: For added tile placement accuracy, draw a vertical/ plumb layout line on the wall at the centerline of the backboard. This line will extend to the upper and bottom extents of the backboard, more precisely, to the centers of the highest and lowest tiles in the first column (vertical series.) If you have a large, multi-kit layout, you may wish to draw additional plumb lines for the remaining tile columns. Horizontal/ level lines may also be drawn. These additional lines would be drawn in Step C10.
2. Mark two mounting hole locations on wall. These will be centered on the line drawn in the first step.
  - a. Make a mark at **63** inches [1.6 m] above the *floor*, measured from the point directly below where the dartboard will be mounted.
    - i. Make a second mark **10** inches [254 mm] *above* the first mark or, **73** inches [185 cm] from the *floor*.) For additional accuracy use a carpenter's level or plumb line to assure vertical alignment of the two marks [This will locate the center of the dartboard at the standard height of **68 inches/ 5 feet 8** inches [173 cm] above the floor.]
3. Drill mounting holes in the wall. Hole sizes are based on your wall material
  - a. *Drywall, concrete, plaster, ceramic or stone tile, and masonry:* drill one 1/4-inch hole at the center of each mark made in the previous step, in preparation for plastic anchors.
  - b. *Wood:* drill one 1/8-inch pilot hole at the center of each mark made in the previous step. The plastic wall anchors are not used. Assure 3/4-inches [19 mm] minimum of wood (screw holding depth) in walls and 1-1/2 inches [38 mm] in studs behind drywall.
4. Insert anchors (if applicable.) Lightly hammer one plastic wall anchor into each hole until the round flat top of the anchor is flush with the face of the wall.

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5. Mount Central/ Dartboard Panel to the wall
  - a. Insert one screw into each wall mounting point of the Central Panel, align with holes or anchors in the wall; use a level or plumb line for precise orientation; drive the screws until firm; do not overtighten.

### C. Mounting the “Field” tiles to the wall

See the back of the tiles; notice a “TOP” label. This is because the fabric has a “grain.” All tiles will be placed with the “TOP” label at the top. Note: you may explore placing some of the tiles with “TOP” on the bottom to create a subtle contrasting effect however keep in mind that “upside-down” tiles will more easily show any imperfections in the fabric.

1. Place the first tile directly above the Central/Dartboard panel with the edges touching with the weight of the tile. Carefully center it so the following tiles will align with the proceeding tiles.
2. Mark the center of the tile on the wall using a Field Tile screw or the provided Nail. Insert it through the center hole and lightly hammer it.
3. Remove the tile. Verify that the mark aligns with the optional plumb line draw in Step B1; if not, adjust it along a level line until it lies on the plumb line. Drill a hole into the wall at the mark. The hole size is based on your wall material:
  - a. With Anchors: For drywall, plaster, stucco, concrete and masonry, drill 3/16” holes.
  - b. Without Anchors: Wood walls and studs behind drywall (5/8 inch [16 mm] max), drill 7/64-inch [3 mm] holes. The wood should be at least 1/2-inch thick.
4. Insert Anchors (if applicable.)
5. Mount the tile with one Cap-Head screw: place tile centered at the top again, aligning it with hole or anchor in the wall; optionally, use a level for precise orientation; drive the screw until firm, do not overtighten.
6. Apply the Snap-Cap™ to the head of the screw.
7. Mount the second tile below the Central/Dartboard panel, again carefully centering it. Use the same pressure between the edge of the panels.
8. Mount the third tile below the second, repeating the established steps.
9. Continue mounting tiles vertically until this first column is finished.
10. For larger/ multi-kit layouts you may wish to draw additional vertical/ plumb lines corresponding with the centers/ attachment points of the remaining field tile columns. This will improve the precision of the layout. You may also draw horizontal/ level lines for an added degree of tile placement precision.
11. Complete your layout by placing the remaining tiles column-by-full-column beginning at the top right, one-by-one until you reach the bottom of that row. If you drew plumb and or horizontal layout lines in the last step, assure the centers of the tiles correspond with the layout line(s.)

### D. Hang your Dartboard onto the Backboard

1. Bristle dartboard
  - a. Using the included dartboard mounting screw, drive it into the precise center back of the dartboard until about 1/4-inch protrudes. Assure that nothing is on the back of the dartboard except this screw; it should be bare wood. **You will not use any other dartboard hardware.**
  - b. Hang the dartboard onto the Central/Dartboard panel, engaging the head of the screw into the vertical slot of the dartboard bracket. Adjust the depth of the dartboard screw (tighten or loosen) until the dartboard fits snugly.
2. Electronic (e) dartboard
  - a. Use the hardware and mounting instructions included with your e-dartboard. You will not use the pre-installed recessed slotted metal dartboard bracket that comes with the backboard. Attach directly to the backboard; plastic anchors will not be needed.
  - b. Note: if one of the e-dartboard mounting locations corresponds with a tile joint and the resulting attachment is not secure, then pre-drill and use a plastic anchor to create a secure mounting.

#### Warning:

To avoid personal injury, backboard, or property damage, verify integrity of the Central/Dartboard Panel and Field Tiles mounting prior to use. Recheck periodically and repair as needed to assure a safe and secure condition.

Questions or Concerns?

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