



INSTALLATION GUIDE

Thank you for choosing the Kirby Marker System for your golf facility. The Kirby Marker System will provide your golfers with precise, VISIBLE yardage, which will reduce turf damage caused by carts searching for sprinkler head yardage markers and speed the pace of play by 30 minutes per round.

IMPORTANT: READ THESE INSTRUCTIONS BEFORE BEGINNING INSTALLATION. IMPROPER INSTALLATION CAN LIMIT THE EFFECTIVENESS OF THE MARKERS AND LEAD TO EQUIPMENT DAMAGE AND INVALIDATE THE WARRANTY.

BEFORE INSTALLATION

1. Our marker system is best configured in the following manner. Markers placed on both sides of the fairways at 25-yard intervals beginning at 75-yards from the center of the green. There are a number of optional yardage configurations that can be used, however the above system has proven to provide the best results.
2. Use of a professional surveyor to measure exact yardage locations is highly recommended.

NOTE: Even the best GPS systems can be off by 4 to 6 yards – Laser Yardage is recommended

3. The markers are best configured 4-yards in from the edge of the fairway. Many superintendents install the markers in the first cut of rough.
4. Kirby Markers are installed AT THE LEVEL AT WHICH THE MOWER BED KNIFE SLIDES ALONG THE GROUND. In operation, the roller in front of the fair way mower slides across the top surface of the marker, thereby collapsing the marker to its flattened state. (See Illustration I) Markers installed too high above the ground may lead to damage to the marker or mowing equipment. Markers installed too low will not be visible to golfers.
5. Install the Kirby Marker on the same slope as the surrounding terrain.
6. Soil Conditions: The anchor pipe provides a stable anchoring system. Since soil conditions vary from course to course every effort should be made to install the markers at the recommended depth and on the same slope as ground level.
7. Weather Conditions: Wet soil conditions may cause the ground to swell. Therefore, installation should be conducted during “normal” weather conditions.

OPERATION AND MAINTENANCE

Kirby Markers are designed to give you years of reliable service with very limited maintenance. The markers do need to be trimmed in your maintenance schedule. The installation tool is also an excellent tool for quickly trimming around the markers. String trimmers, donut cutter blades, or trimming around the markers with manual tools are all effective means of maintenance.

Extreme cold weather may cause the ground to expand. After the ground thaws, check the markers for correct height.

Kirby Markers are VERY durable. However the markers are not bullet proof and MUST BE PROTECTED OR AVOIDED DURING AERATING THE FAIRWAYS.

Kirby Markers have been installed on 3,000 of the finest golf courses in the world. We are interested in your professional experience with the installation and maintenance of your Kirby Markers and welcome any comments or suggestions to improve our markers or service.

Please email your comments to: sales@kirbymarkers.com or call us at 949.737.1783



INSTALLATION INSTRUCTIONS

When installing the Kirby Markers, keep in mind that you are making a permanent installation. Take your time, and follow the instructions as closely as possible. Once you have installed a few markers the process will move along quickly.

Step 1: Using the turf cutter provided cut a 10 1/2 inch circle in the turf at the exact yardage location as determined by the surveyor's measurement. Remove the turf to bare ground approximately 1 to 1 1/2 inches.



INSTALLATION WITHOUT A TURF CUTTER OR DRIVING PLATE:

Use a knife or turf cutter to cut turf the same diameter as the collar (10 1/2" circle of turf to bare ground approximately 1 to 1 1/2 inches). Use one of the collars as a template.



Step 2: Center the 5" anchor pipe in this cutout area. TIP: A Kirby Marker collar can be used to mark the exact location.

Step 3: There are 3 mounting blocks on the anchor pipe. Orient the anchor pipe so that one of the mounting blocks is aligned/pointing to the center of the green. This is important and will place the marker in the proper position for installation.

Step 4: Place a 2x4 or other pounding plate on top of the anchor pipe and pound the pipe into the ground with a sledge hammer or "tamper", taking care not to directly hit on the pipe. Drive the anchor pipe into the ground UNTIL THE TOP SURFACE OF THE DRIVING PLATE IS AT GROUND LEVEL.



TIP: Do not drive the anchor pipe in too low, backing it out will compromise the soil's structural support of the marker. Be sure the anchor pipe remains perpendicular to the surrounding terrain.





Step 5: Before attaching the marker, check for correct depth.

1. Place the collar on the anchor pipe by lining up the screw holes.
2. Place the marker in position.
3. Place a 2 x 4 on top of the marker and depress the marker.

The marker is at the correct height when the 2 x 4 is flush with the turf on both sides and level with the DEPRESSED marker. (See Illustration 1 below) If the marker is too high simply remove the marker and collar and drive down the anchor plate and recheck for correct depth.

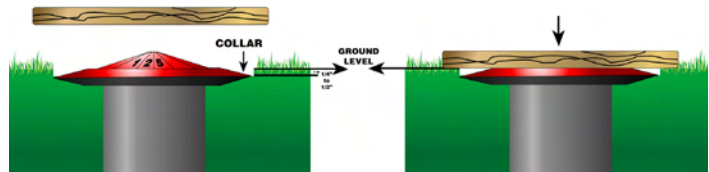


Illustration 1

Step 6: To support the collar, add some soil or sand around the outside of the pipe.

Step 7: Attach the marker in position using the screws provided. Be sure Kirby Marker is oriented/aligned with the small arrows on the top outside the ring pointing toward the green parallel with the fairway cut. TIP: Do not tighten any one screw until all the screws are in place.

Step 8: After installing a few markers, we recommend using a fairway mower to cut over the markers to be certain that the markers are set at the correct depth.

