



Bidding Specifications For Grund Marking Systems SPM 103, 108 & 104 Series Snap-in and Molded Recess Markers

Introduction

The following paragraphs are bidding specifications for Underhill's Grund Marking System SPM 103, 108, 104 snap-in and molded recess series markers.

Separate bidding specifications for engraved caps, aluminum discs, highlighter snap rings or valve box / universal markers can be found on the Underhill's Grund Marking System web pages.

The SPM 103, 108 & 104 series snap-in and molded recess markers are made to fit a wide variety of Toro, Rain Bird and Hunter golf series sprinkler heads noted in the table below.

SPM Series	Manufacturer	Models
SPM 103	Toro Series	730, 750, 760, 780, 830/850S, 834S, DT34/35, 854S, DT54/55, 860S, 880S
SPM 108	Toro Series	730, 750, 760, 780, 834S, DT34/35, 854S, DT54/55, 860S, 880S
	Hunter Series	G800, G70/75B, G870, G875, G885, G990, G995
SPM 104	Rain Bird Series	47/51DR

The number of yardages, background and engraving color can be recorded in the Underhill Excel template via the following web link:

<http://underhill.us/markets/golf/marketing-systems/207-sprinkler-head#forms>

Note: There is insufficient area on these marker series for custom logos and graphics along with yardage distances.

Materials

The SPM 103 series markers are made from clear polycarbonate material w/ UV inhibitors. The SPM 108 and 104 series markers are made from die-cut, co-extruded or laminated high-impact, 2-ply acrylic. The nominal thickness of the markers is 0.063" or 1/16".

The snap-in and molded recess markers have slightly rounded corners and beveled edges made for ease of installation. The size and location of the snap-in and molded recess markers varies by golf sprinkler manufacturer make and model.

Up to three background colors (white, yellow and purple) of the snap-in markers can be specified. The number colors can also vary but is typically a choice of one of three colors, again depending on manufacturer and model. Single yardage distances can be specified for each SPM series as well as up to three yardages on some specific Toro models.

The depth of engraving is 1/32" and should be of a consistent depth within each marker. Custom logos/ or other information can be applied when artwork is provided. Verify the corresponding color combinations w/ Underhill's website via the following web link: <http://underhill.us/markets/golf/marketing-systems/207-sprinkler-head#models>.

Installation

Confirm the engraved yardage(s) on the snap-in or molded recess marker matches a corresponding sprinkler plan with locations and yardages. It might be helpful by placing flags adjacent to each head to receive a yardage marker to make installation easier.

Confirm the top of the sprinkler cap is clean and any recesses are free of debris or other sediment to ensure proper fit. Using a small flat-bladed screwdriver pry out the OEM blank where the Underhill yardage marker is to be placed. Insert the snap-in marker per the installation instructions. Maintain consistent orientation of the yardage marker based on the manufacture make and model.

Apply a small amount of "WELD_ON solvent IPS 1802 or IPS 16 for the SPM 104 & 108 markers to the backside of the marker as well as the recessed area. Apply the marker and press in a downward manner for a period of 15-20 seconds. Wipe any excess solvent glue that may have appeared during this operation.

A line drawing maybe included with installation instructions depending on the manufacturer and model.

The Grund Marking System aluminum disc representing the 103, 108 and 104 series is manufactured and distributed by Underhill International Corporation, Mission Viejo, CA.

End of Specification