



## Differential Bobbin Probe Technical Specifications

Probe head types: *Barnacle Scraper*: Flat nose, rigid probe for straight tubing applications. Stainless body with Titanium sleeve over coils. Torlon sleeve available for high frequency coils.  
*Chamfered Barnacle Scraper*: Chamfered nose, rigid probe for straight tubing applications. Stainless body with Titanium sleeve over coils. Torlon sleeve available for high frequency coils.  
*Flexible*: Flex member between conical probe tip and bobbin and between bobbin and shaft, wear resistant Torlon centering devices, for u-bend tubing applications.

Magnetic Bias: Available with no magnets, standard magnets, or saturation magnets.

Diameters: All typical tubing diameters are available in increments of 0.010 inch (0.25mm), commonly between 0.450 and 1.0 inch. For large or small diameters, please contact us for pricing and lead time. *VM Products has made bobbin probes with diameters larger than 3 inches and smaller than 1/8 inch!*

Frequencies: Typical frequency ranges are shown in the table below. Special frequencies are available upon request. Please contact us for pricing and lead time.

| Description    | Code | Delrin Bobbin   | Ferritic Bobbin |
|----------------|------|-----------------|-----------------|
| Ultra Low Freq | ULF  |                 | 1-150 kHz       |
| Very Low Freq  | VLF  | 5-100 kHz       |                 |
| Low Freq       | LF   | 20-200 kHz      | 10-500 kHz      |
| Mid Range      | MR   | 50-500 kHz      | 40-800 kHz      |
| High Freq      | HF   | 100 kHz – 1 MHz |                 |

Shaft: Lengths to 150 feet (46 meters)  
 3/8" (9.5 mm) type T nylon for flexible shaft  
 1/4" (6 mm) or 5/16" (8 mm) type T nylon for small diameter probes  
 5/16" (8mm) type H nylon for increased strength small diameter probes  
 3/8" (9.5 mm) type H nylon for increased pushing strength, long life  
 7/16" (11 mm) Polyethylene for high wear applications  
 3/8" (9.5 mm) PX, high performance Polyethylene for greatest durability

***VM Products is always interested in new applications. Please contact us with any special requirements.***

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