

# Core Mount Sleeve

Model: DH-9ZP and DH-9SS

## Description

Zinc plated mild steel or stainless steel constructions. Designed for slip-in installation into  $\text{\O}4.0$  core hole in concrete or in an existing steel structure. Comes with PVC sleeve liner.

## Materials

### FOR DH-9ZP

|                                 |   |
|---------------------------------|---|
| <b>General Construction:</b>    | Welded Steel                              |
| <b>Weld Certification:</b>      | AWS                                       |
| <b>Structure Material:</b>      | A-36 Steel Plate                          |
| <b>Sleeve Material:</b>         | Sch. 40 Pipe                              |
| <b>Sleeve Bearing Material:</b> | PVC Pipe<br>ASTM-D-1785                   |
| <b>Thrust Bearing Material:</b> | High Density Polyethylene                 |
| <b>Finish (Steel Sleeves):</b>  | Zinc Chromate                             |
| <b>Plating Specification:</b>   | ASTM Designation<br>B633-85, Type II, SC2 |

### FOR DH-9SS

|                                  |                           |
|----------------------------------|---------------------------|
| <b>General Construction:</b>     | Stainless Steel           |
| <b>Weld Certification:</b>       | AWS                       |
| <b>Structure Material:</b>       | 304 SS                    |
| <b>Sleeve Material:</b>          | 304 SS                    |
| <b>Sleeve Bearing Material:</b>  | PVC Pipe<br>ASTM-D-1785   |
| <b>Thrust Bearing Material:</b>  | High Density Polyethylene |
| <b>Finish (Stainless Steel):</b> | Brush Blast               |

## Technical

|                               |   |
|-------------------------------|---|
| <b>Rated Capacity:</b>        | 450lbs (204kg) working load limit @ minimum 4:1 Design Factor |
| <b>Mast Moment Proof Load</b> | 90,000 in-lbs (10,200 N.m)                                    |
| <b>Mast Rotation</b>          | 360°  |
| <b>Weight</b>                 | 8lbs (3.6kg)  |

Note: Sleeves are designed to withstand the proof load rating of all standard Miller DuraHoist masts.



## Mounting Requirements (Minimum)

The structure and mounting hardware must be capable of withstanding a 90,000lbs (10,170kNm) moment and a 5,000lb (22.2kN) vertical load.

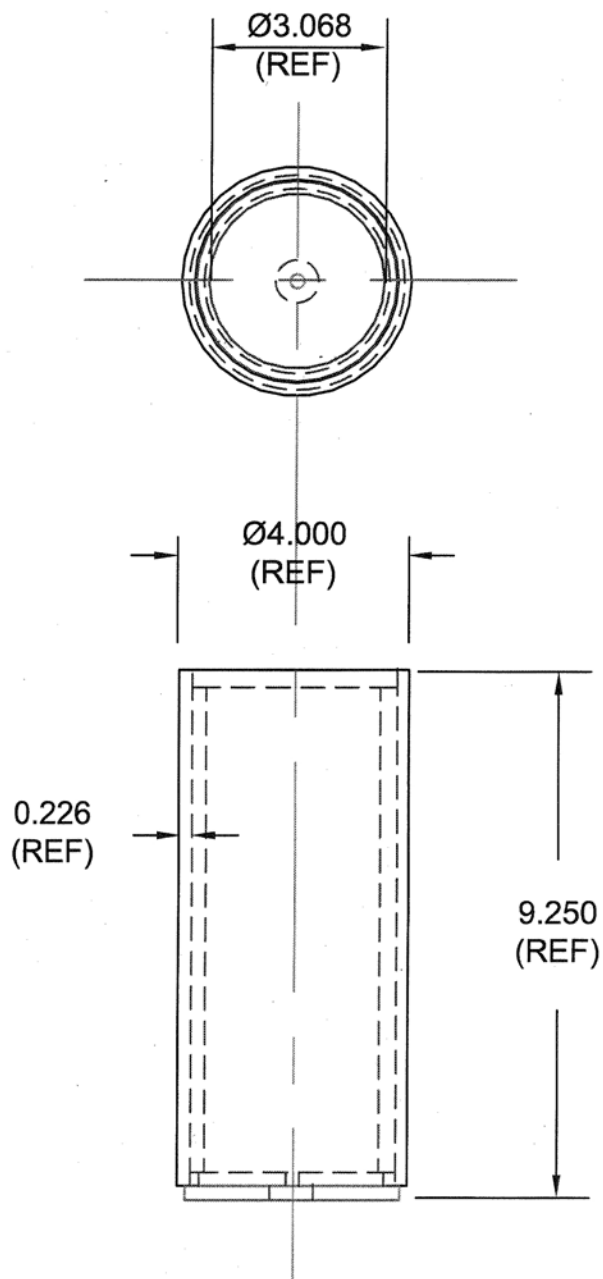
Note: Concrete MUST be sufficiently thick or have sufficient underlying structure to support the 5000lbs (2268kgs) vertical load. Installation MUST be approved to local standards by a qualified engineer.

## Application Restrictions

- Sleeves are for use with approved masts and accessories ONLY.
- System design factor depends on other system components and the configurations in which they are assembled. The minimum design factor for all standard MILLER DuraHoist mast and accessories is 4:1.
- All welding is to be carried out by qualified personnel.
- If base material does not meet minimum requirements, reinforcement MUST be added to meet minimum requirements.
- Each installation MUST be approved to local standards by a qualified engineer.

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by Honeywell

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