

### *Customer Supplied Targets*

#### **Applicable Equipment:**

Inductive Displacement Measurement Systems

#### **Applications:**

Non-standard Targets Supplied by Customer for Calibration

#### **Summary:**

Inductive probes require a minimum target area for calibration. Our precision calibration instruments have maximum target size limitations. The following parameters are provided to eliminate any additional tooling costs for calibration to custom targets.

### Probe Diameter Reference

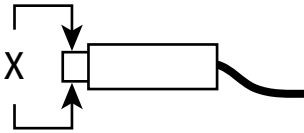


Figure 1

### Cross-Sectional Area

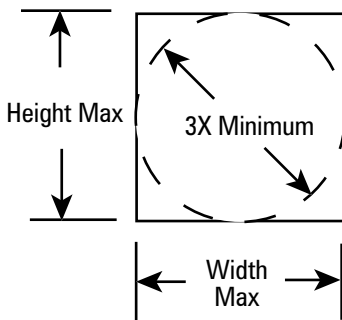


Figure 2

### Thickness

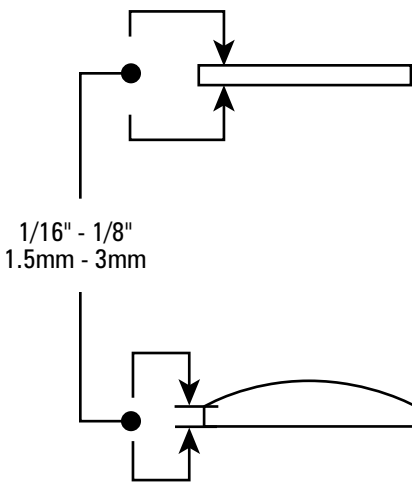


Figure 3

## Customer Supplied Targets:

### Cross-Sectional Area:

**Minimum:** The target surface being measured must fit a circle which is 3X the probe's diameter (Figures 1 and 2).

**Maximum:** (Figure 2)

Probes U3-U18: Height and Width Maximum - 3", 75mm

Probes U25-U50: Height and Width Maximum - 6", 150mm

### Thickness:

**Range:** 1/16" - 1/8", 1.5mm - 3mm (Figure 3)

### Curved Targets:

#### Shape:

Curved targets must have a flat side for mounting against the calibrator's actuator. For adequate target thickness, the edges must also be squared as shown in Figure 3. The cross-sectional area must still meet the requirements listed above.