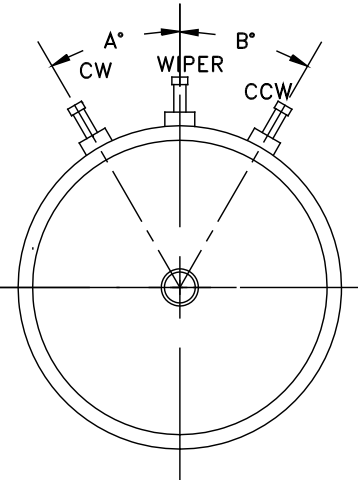
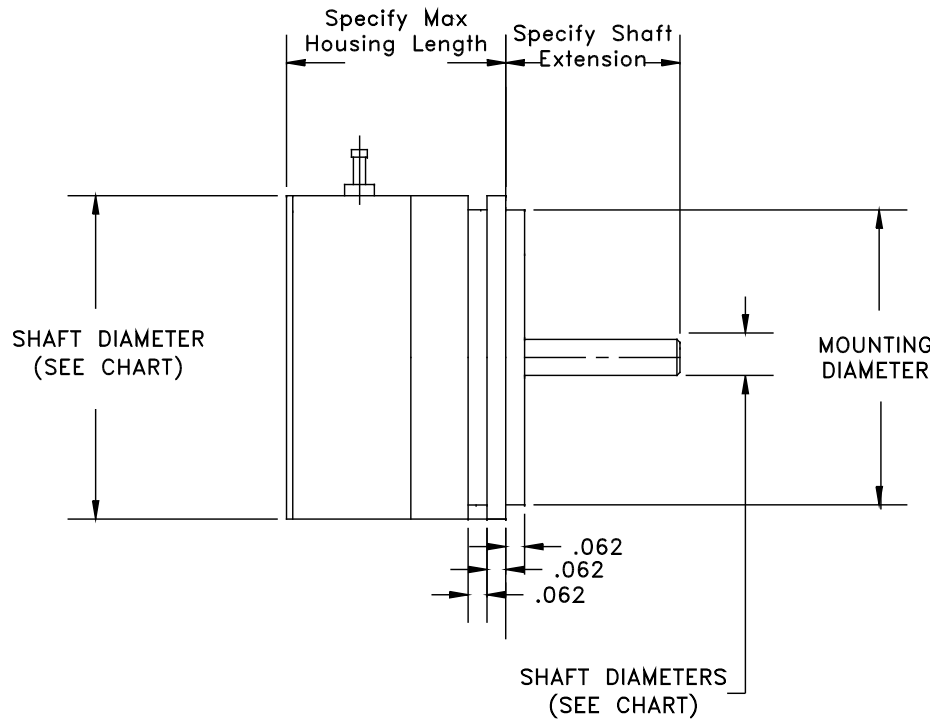


# SERIES 8003 – SERVO MOUNT – CONDUCTIVE PLASTIC



STANDARD SHAFT DIAMETERS:  
 $\phi$ .125,  $\phi$ .250

STANDARD HOUSING DIAMETERS:  
 $\phi$ .875,  $\phi$ 1.370,  $\phi$ 1.5,  $\phi$ 1.75,  $\phi$ 2.0

## SPECIFICATIONS

### MECHANICAL

MECHANICAL ANGLE: 360° CONTINUOUS  
 STOP AVAILABLE FROM 70°

### ELECTRICAL

STANDARD RESISTANCE: 1K, 2K, 5K, 10K, 20K, 50K, 100K

ELECTRICAL ANGLE:  $\pm 55^\circ$  to 350°

LINEARITY: 5% DOWN TO .2% (INDEPENDENT)  
 (DEPENDANT ON ANGLE AND RESISTANCE)

OUTPUT SMOOTHNESS: 0.25%

POWER RATING: 1.2 WATTS NOMINAL

INSULATION RESISTANCE: 1000 MEGOHMS @ 500 VDC

DIELECTRIC STRENGTH: 1000 VRMS

### MATERIALS

ANODIZED ALUMINUM HOUSING

STAINLESS STEEL SHAFT

CONTACTS: MULTI FINGER PRECIOUS METAL

ELEMENTS: CONDUCTIVE PLASTIC

### ENVIRONMENTAL

TEMPERATURE: -65° C TO +125° C

LIFE: THE OPERATIONAL LIFE OF THE POTENTIOMETER

SHALL BE 10 X 10E6 CYCLES.

### OPTIONAL FEATURES

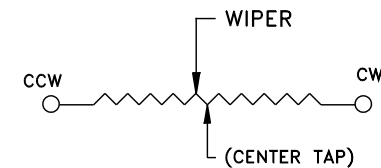
TERMINATIONS:

TERMINALS

LEAD WIRE

ENVIRONMENTAL SEALS

ABSOLUTE LINEARITY



SHAFT ROTATION  
 VIEWING SHAFT END