



- E9 & E9S Encoder Mounting Procedure:**
1. Place the Base Plate of encoder onto the motor rear end plate.
  2. Install Centering Tool on motor shaft to center the Base Plate with respect to the shaft.
  3. Install hardware supplied and tighten to secure the Base Plate. Remove Centering Tool.
  4. Position and mount the Encoder Housing onto the Base Plate with its 3x1 20° bayonet snaps in their corresponding slots on the Base Plate. Slide the Gapping Shim between the Base Plate and the Encoder from the side opposite the connector.
  5. Place the hex wrench into the codewheel set screw. Tighten the set screw while pushing the codewheel down toward the gapping shim with the wrench.
  6. Remove the Gapping Shim, push down and twist the Encoder 30° clockwise to lock it in place.

Tolerancing Complies With ANSI/ASME Y14.5M-1986																									
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<p style="text-align: center;"><b>API Harowe</b> WEST CHESTER, PA. 19382</p> <p style="text-align: center;"><b>ENCODER MOUNTING PROCEDURE FOR E9 &amp; E9S</b></p>																									
<p style="text-align: center;">PROPRIETARY RIGHTS OF HAROWE SERVO CONTROLS ARE INCLUDED IN THE INFORMATION DISCLOSED HEREIN. DO NOT DUPLICATE OR DISCLOSE TO THIRD PARTIES WITHOUT WRITTEN PERMISSION OF HAROWE SERVO.</p>																									
<p style="text-align: center;">TOLERANCES UNLESS SPECIFIED</p> <table border="0" style="width: 100%;"> <tr> <td>DECIMAL .XXX</td> <td>±.005</td> </tr> <tr> <td>DECIMAL .XX</td> <td>±0.010</td> </tr> <tr> <td>DECIMAL .X</td> <td>±0.030</td> </tr> <tr> <td>FRACTION 1/164</td> <td>±1/64</td> </tr> <tr> <td>ANGLES 20°/30</td> <td>±0°/30</td> </tr> </table> <p style="text-align: center;">DRAWN <b>A. LEUNG</b></p> <p style="text-align: center;">CHECKED <b>A. LEUNG</b> 5/21/99</p> <p style="text-align: center;">ENGR <b>D. BARNETT</b> 5/21/99</p> <p style="text-align: center;">APPROV <b>D. BARNETT</b> 5/21/99</p>																DECIMAL .XXX	±.005	DECIMAL .XX	±0.010	DECIMAL .X	±0.030	FRACTION 1/164	±1/64	ANGLES 20°/30	±0°/30
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