HCS-210 HYSTERESIS CLUTCH

## Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Coil Number</th>
<th>Stock Code</th>
<th>Minimum Torque at Rated Current (oz in)</th>
<th>Rated Current (mA)</th>
<th>Resistance ±10% @ 25°C (ohms)</th>
<th>Voltage (Vdc)</th>
<th>Nominal Power (Watts)</th>
<th>Maximum Speed (rpm)</th>
<th>Kinetic Power Ratings (Watts)</th>
<th>De-Energized Drag Torque @ 1000 rpm (oz in)</th>
<th>External Inertia (lb in s²)</th>
<th>Angular Acceleration (rad/s²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1 (90 Vdc)</td>
<td>003560</td>
<td>210</td>
<td>123</td>
<td>751</td>
<td>92.6</td>
<td>11.4</td>
<td>3,600</td>
<td>450</td>
<td>110</td>
<td>1</td>
<td>2.75 x 10⁻³</td>
<td>4,700</td>
</tr>
<tr>
<td>-2 (24 Vdc)</td>
<td>003561</td>
<td>210</td>
<td>375</td>
<td>75</td>
<td>28</td>
<td>10.5</td>
<td>3,600</td>
<td>450</td>
<td>110</td>
<td>1</td>
<td>2.75 x 10⁻³</td>
<td>4,700</td>
</tr>
<tr>
<td>-3 (12 Vdc)</td>
<td>-</td>
<td>210</td>
<td>736</td>
<td>19</td>
<td>14</td>
<td>10.2</td>
<td>3,600</td>
<td>450</td>
<td>110</td>
<td>1</td>
<td>2.75 x 10⁻³</td>
<td>4,700</td>
</tr>
</tbody>
</table>

## Notes

- 2X AWG Teflon lead wire 1/2" long in one red, one black.
- 3X #10-32 .39 min equally spaced as shown.
- 2X 22 AWG Teflon lead wire
- 0.7500 - .0005
- 2.1654 - .0002
- 3.96
- 1.312
- 2.975
- 1.10

IF MAGTROL PILLOW BLOCK ASSY IS NOT USED, THE CLUTCH MUST BE PILOTTED AND ADEQUATELY SUPPORTED ON THE INPUT BEARING. THE MOUNTING FACE MUST BE PERPENDICULAR TO THE CENTERLINE OF THE INPUT AND OUTPUT SHAFTS WITHIN .001" AND THE OUTPUT SHAFT MUST BE SUPPORTED USING MAGTROL PART NUMBER 506192 BEARING.

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**Material Code**

<table>
<thead>
<tr>
<th>Material Code</th>
<th>Material Type</th>
<th>Material Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJC</td>
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</tr>
</tbody>
</table>

**Design**

- 2003-09-16

**Checked**

- 2003-09-16

**Process CHK**

- 2003-09-16

**Ang. -±1°**

**Fraction -±1/64"**

**Surface Finish 125 RMS Max. U.O.S.**

**EPA**

- 4760 (003252)

**Solid Model Available**

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**Notes**

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**Information**

- INPUT BEARING
- INPUT SHAFT
- MOUNTING SURFACE
- OUTPUT SHAFT
- 312:002 MUST BE CONTROLLED BY CUSTOMER MOUNTING
- 3X #10-32 ± .39 MIN EQUALLY SPACED AS SHOWN