Hilliard® Brake Model: A400-T400 HS

Hydraulically Applied, Spring Released Caliper Brakes

A400-T400 HS Brake Caliper

The A400 is an arm style caliper brake designed to accept a large selection of Hilliard thrusters. These thrusters include spring applied hydraulic released, spring applied pneumatic released, hydraulic applied spring released, and pneumatic applied spring released. The 400 requires a minimum disc diameter of 24” and is offered in 2 sizes to accommodate a 1” and 1-1/2” thick disc. The design of the caliper allows the user to quickly convert between right and left handed designs eliminating the need for multiple part numbers.

The HS thruster is a direct applied thruster that is hydraulically applied spring released. The T400 thruster produces a maximum braking force of 8081 pounds at the maximum operating pressure of 1600 psi. (This thruster is only to be used on the A400 caliper)
Maximum Operating Pressure: 1600 psi
Total Brake Weight: 120 lbs. (54.4 kg)
Caliper Weight: 108 bs. (49 kg) Thruster Weight: 12 lbs. (5.4 kg)
Friction Pad Area: 60.2 SQ. IN. [388.4 SQ Cm]
Oil Volume: .73 in.\(^3\) at Recommended Gap Setting

Brake Path: 4.625 in (117 mm)

**Braking Torque at Maximum Operating Pressure (lb-ft) = 674 * (Disc Radius(in)-2.44)**

### A400 CALIPER WITH T400 HS THRUSTER

<table>
<thead>
<tr>
<th>Caliper Model</th>
<th>“A” Disc Thickness</th>
<th>“B”</th>
<th>“C”</th>
<th>“D”</th>
</tr>
</thead>
<tbody>
<tr>
<td>A400-25</td>
<td>1”</td>
<td>9- 5/32”</td>
<td>5”</td>
<td>11- 7/8”</td>
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<tr>
<td>A400-40</td>
<td>1- 1/2”</td>
<td>9- 13/16”</td>
<td>5”</td>
<td>11- 15/16”</td>
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</tbody>
</table>
* RECOMMENDED SPARE PART (SEALS & O-RINGS AVAILABLE AS A KIT)