The A300 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 A300 requires a minimum disc diameter of 12” and is offered in 4 sizes to accommodate a ½”, 1”, 1-3/16”, 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 SA thruster is a failsafe thruster that is spring applied pneumatically released. The spring applied thrusters are offered in multiple sizes to meet the needs of our customers.

The T200 SA thruster produces a maximum braking force of 930 pounds at the maximum operating pressure of 90 psi with a maximum pressure of 120 psi.

The T300 SA thruster produces a maximum braking force of 3180 pounds at the maximum operating pressure of 75 psi with a maximum pressure of 95 psi.

A300 Caliper T200SA Thruster Specifications:
- Total Brake Weight: 34 lbs. (15.33 kg)
- Caliper Weight: 24 lbs. (10.8 kg)
- Thruster Weight: 10 lbs. (4.53 kg)
- Air Volume: 15.2 in$^3$
- Friction Pad Area: 14.5 SQ. IN. [100 SQ Cm]

A300 Caliper T300SA Thruster Specifications:
- Total Brake Weight: 47 lbs. (21.2 kg)
- Caliper Weight: 24 lbs. (10.8 kg)
- Thruster Weight: 23 lbs. (10.4 kg)
- Air Volume: 45.5 in$^3$
- Friction Pad Area: 14.5 SQ. IN. [100 SQ Cm]
SPRING APPLIED / PNEUMATIC RELEASE T200SA THRUSTER

<table>
<thead>
<tr>
<th>THRUSTER Model</th>
<th>Retract Pressure</th>
<th>Operating Pressure</th>
<th>Braking Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>T200-8-AA</td>
<td>95 psi / 6.6 Bar</td>
<td>120 psi / 8.3 Bar</td>
<td>78 *(Disc Radius(in)-1.34)</td>
</tr>
<tr>
<td>T200-6-AA</td>
<td>70 psi / 4.8 Bar</td>
<td>88 psi / 6.1 Bar</td>
<td>58 *(Disc Radius(in)-1.34)</td>
</tr>
<tr>
<td>T200-4-AA</td>
<td>47 psi / 3.3 Bar</td>
<td>56 psi / 4.1 Bar</td>
<td>39 *(Disc Radius(in)-1.34)</td>
</tr>
<tr>
<td>T200-2-AA</td>
<td>23 psi / 1.6 Bar</td>
<td>29 psi / 2.0 Bar</td>
<td>19 *(Disc Radius(in)-1.34)</td>
</tr>
</tbody>
</table>

Max Pressure: 120 psi
Max Pressure: 95 Psi

<table>
<thead>
<tr>
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<th>Retract Pressure</th>
<th>Operating Pressure</th>
<th>Braking Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>T300SA-7-AA</td>
<td>75 psi/ 5.2 Bar</td>
<td>95 psi/ 6.6 Bar</td>
<td>266*(Disc Radius(in)-1.34)</td>
</tr>
<tr>
<td>T300SA-6-AA</td>
<td>66 psi/ 4.6 Bar</td>
<td>83 psi/ 5.7 Bar</td>
<td>228*(Disc Radius(in)-1.34)</td>
</tr>
<tr>
<td>T300SA-4-AA</td>
<td>44 psi/ 3.1 Bar</td>
<td>55 psi/ 3.8 Bar</td>
<td>152*(Disc Radius(in)-1.34)</td>
</tr>
<tr>
<td>T300SA-2-AA</td>
<td>22 psi/ 1.5 Bar</td>
<td>28 psi/ 1.9 Bar</td>
<td>76*(Disc Radius(in)-1.34)</td>
</tr>
</tbody>
</table>
SA Thruster: Spring Applied / Pneumatically Released

- Clamp Nut
- External Retaining Ring
- Piston Housing
- Wiper (Pushrod)
- Seal Housing
- O-Ring (Piston Housing)
- Seal (Pushrod)
- Seal (Piston)
- Pushrod
- Piston
- Spring Kit
- Cover

* Recommended Spare Part (Seals & O-Rings Available as a Kit)