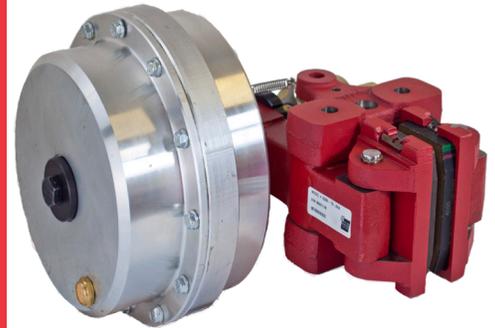




### Pneumatically Applied, Spring Released Caliper Brakes



#### A300-T200 AS / A300-T300 AS Brake Calipers

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 1/2", 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 AS thruster is a direct applied thruster that is pneumatically applied spring released. The Pneumatic applied thrusters are offered in multiple sizes to meet the needs of our customers.

*The T200 thruster produces a maximum braking force of 950 pounds at the maximum operating pressure of 80 psi.*

*The T300 thruster produces a maximum braking force of 3200 pounds at the maximum operating pressure of 66 psi.*

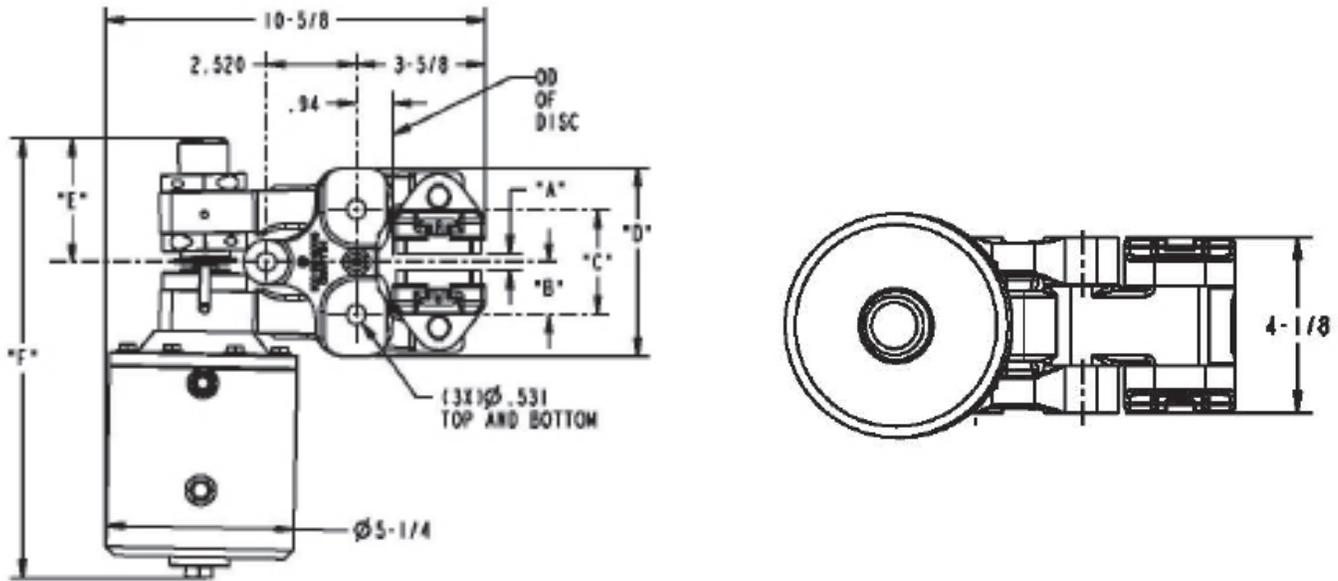
Maximum Operating Pressure: 80 Psi  
Total Brake Weight: 33 lbs. (14.9 kg)  
Caliper Weight: 24 lbs. (10.8 kg) Thruster Weight: 9 lbs. (4.1 kg)  
Friction Pad Area: 14.5 SQ. IN. [100 SQ Cm]  
Air Volume: 7.9 in.<sup>3</sup>

Brake Path: 2.625 in (67 mm)

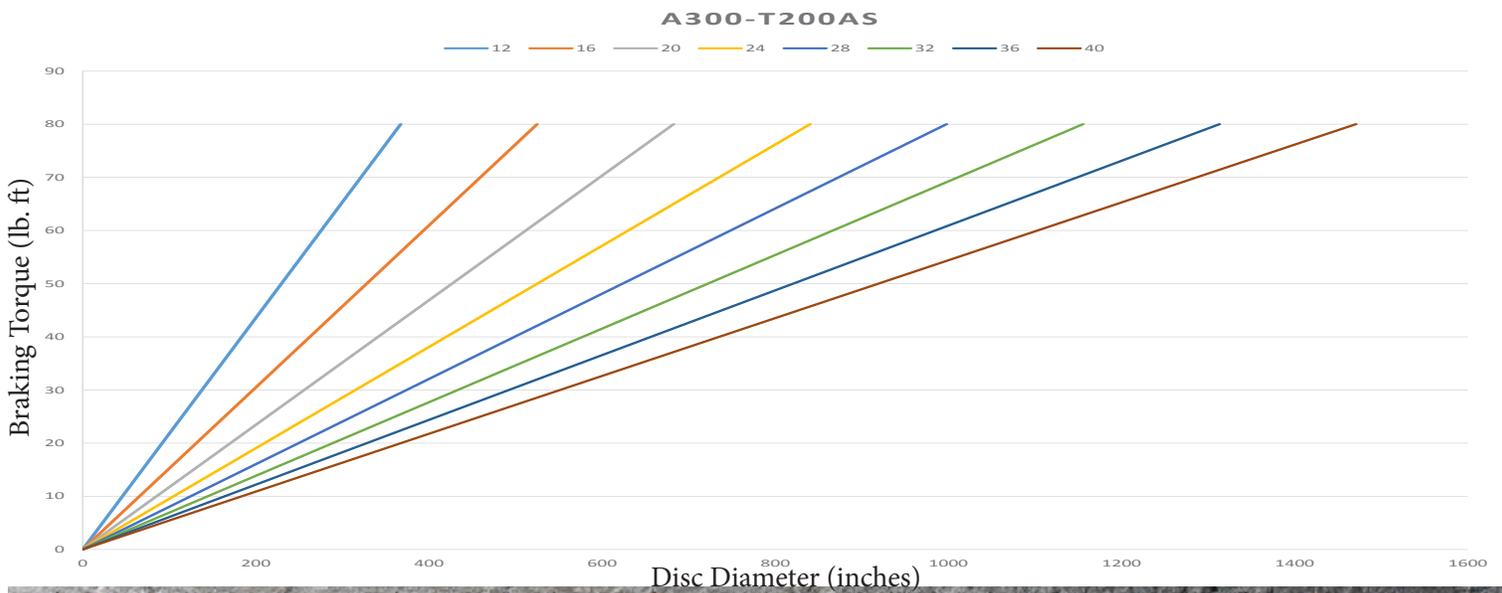
Maximum Operating Pressure: 66 Psi  
Total Brake Weight: 45 lbs. (20.32 kg)  
Caliper Weight: 24 lbs. (10.8 kg) Thruster Weight: 21 lbs. (9.52 kg)  
Friction Pad Area: 14.5 SQ. IN. [100 SQ Cm]  
Air Volume: 71.8 in.<sup>3</sup>

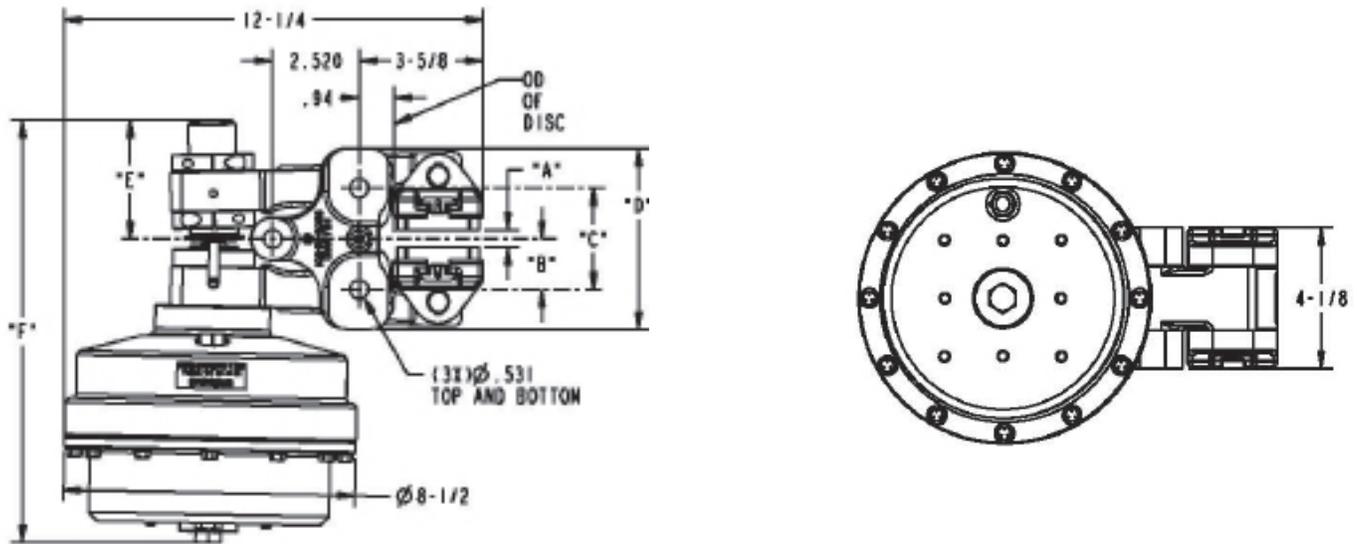
Brake Path: 2.625 in (67 mm)  
Braking Torque (lb.-ft.)= 245 \* (Disc Radius (in))- 1.34

**Braking Torque (lb-ft) = Braking Force (lb) X Disc Radius (in) - 1.35 (in)**  
**Braking Torque at Max. Operating Pressure(lb.-feet)= 79 \* (disc Radius(in))-1.34**



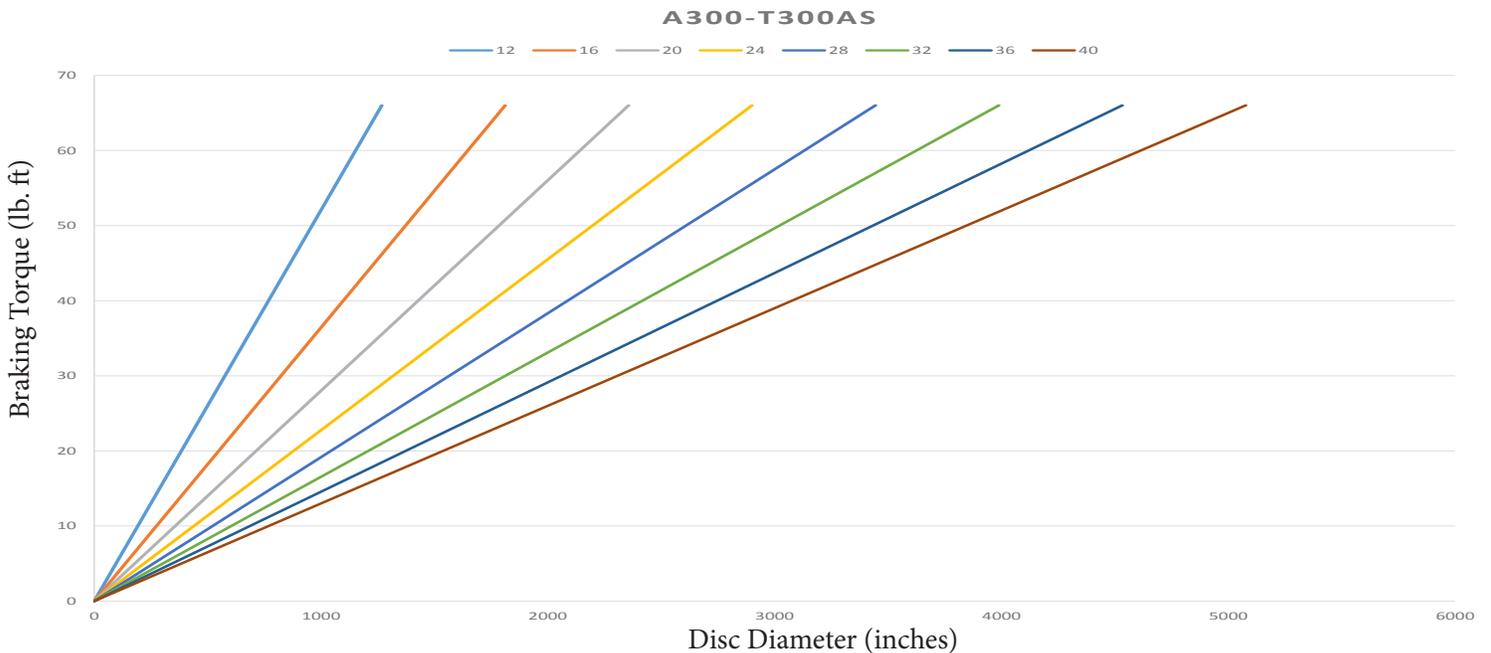
A300 CALIPER WITH T200 AS THRUSTER						
Caliper Model	"A" Disc Thickness	"B"	"C"	"D"	"E"	"F"
A300-13	1/2"	1.48"	2.95"	5- 1/4"	4"	12- 13/16"
A300-24	1"	1.66"	3.31"	5- 9/16"	4"	12- 7/8"
A300-30	1- 3/16"	1.48"	2.95"	5- 13/16"	4"	12-15/16"
A300-40	1- 1/2"	1.66"	3.31"	6- 1/16"	3.5"	13- 1/8"



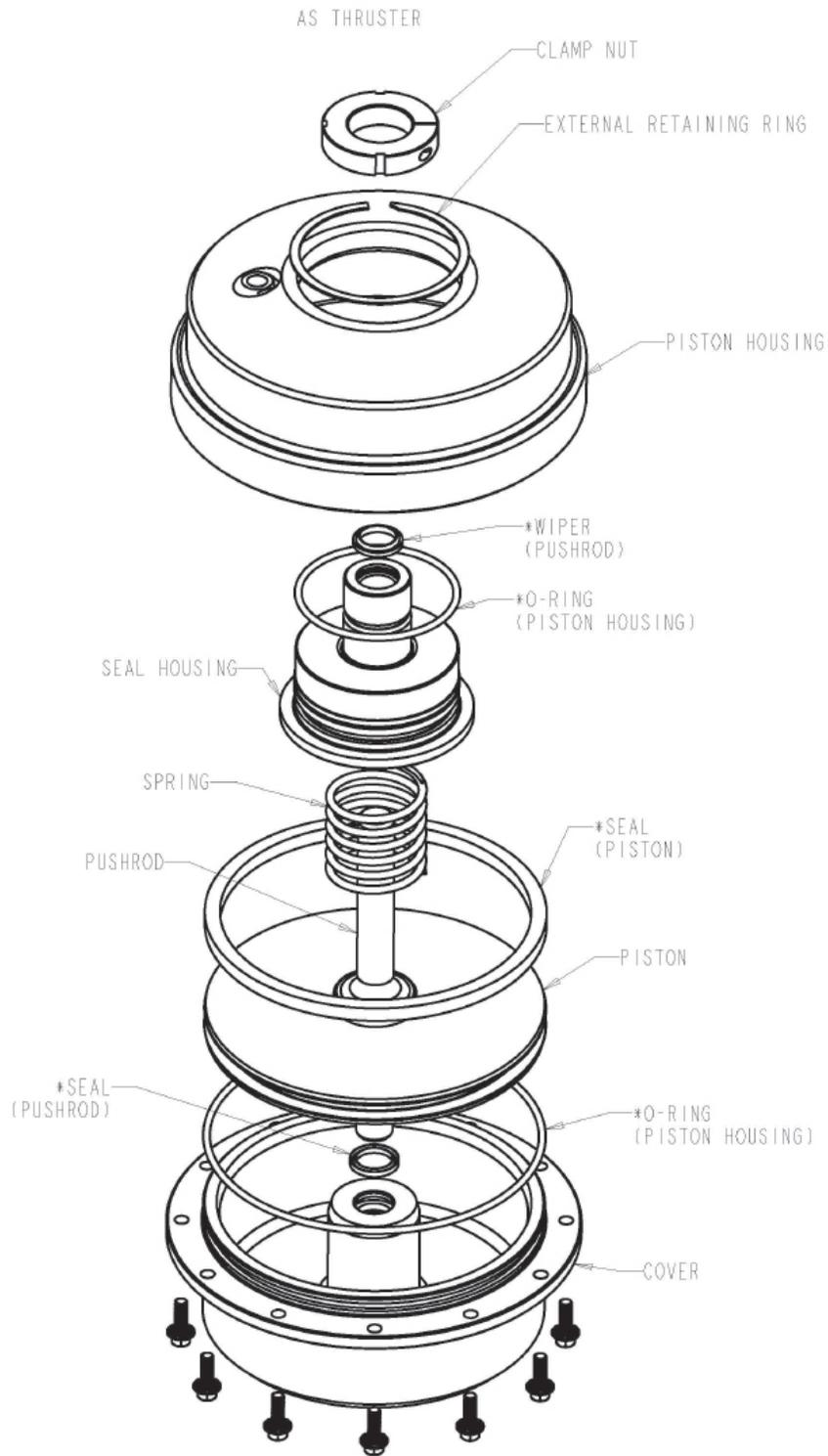


**A300 CALIPER WITH T300 AS THRUSTER**

Caliper Model	"A" Disc Thickness	"B"	"C"	"D"	"E"	"F"
A300-13	1/2"	1.48"	2.95"	5- 1/4"	4"	12- 13/16"
A300-24	1"	1.66"	3.31"	5- 9/16"	4"	12- 7/8"
A300-30	1- 3/16"	1.48"	2.95"	5- 13/16"	4"	12-15/16"
A300-40	1- 1/2"	1.66"	3.31"	6- 1/16"	3.5"	13- 1/8"



# AS Thruster: Pneumatically Applied / Spring Released



\* RECOMMENDED SPARE PART (SEALS & O-RINGS AVAILABLE AS A KIT)

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**Hilliard**

YOUR LOCAL REPRESENTATIVE:



08/18 TDS-A300-T200 & 300 AS