



Hilliard® Brake Model:

A300-T300 SH

*Technical Data Sheet*



## Spring Applied, Hydraulically Released Caliper Brakes

### A300-T300 SH Brake Caliper

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 SH thruster is a failsafe thruster that is spring applied hydraulically released. The spring applied thrusters are offered in multiple sizes to meet the needs of our customers.*

*The T300 SH thruster produces a maximum braking force of 3180 pounds at the maximum operating pressure of 1450 psi with a maximum pressure of 1700 psi when used with the A300 Caliper.*

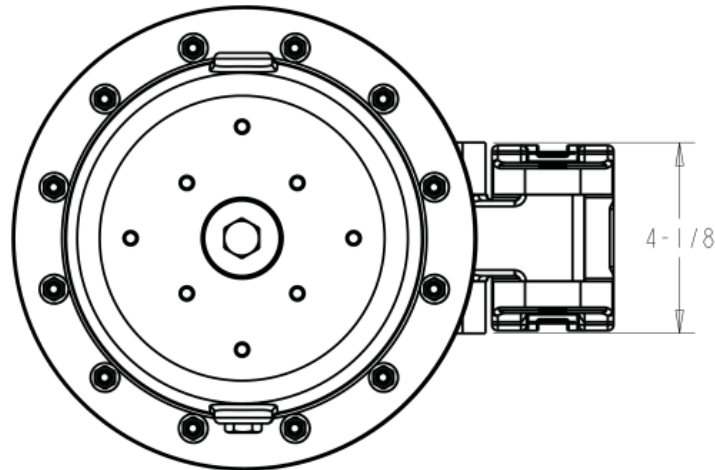
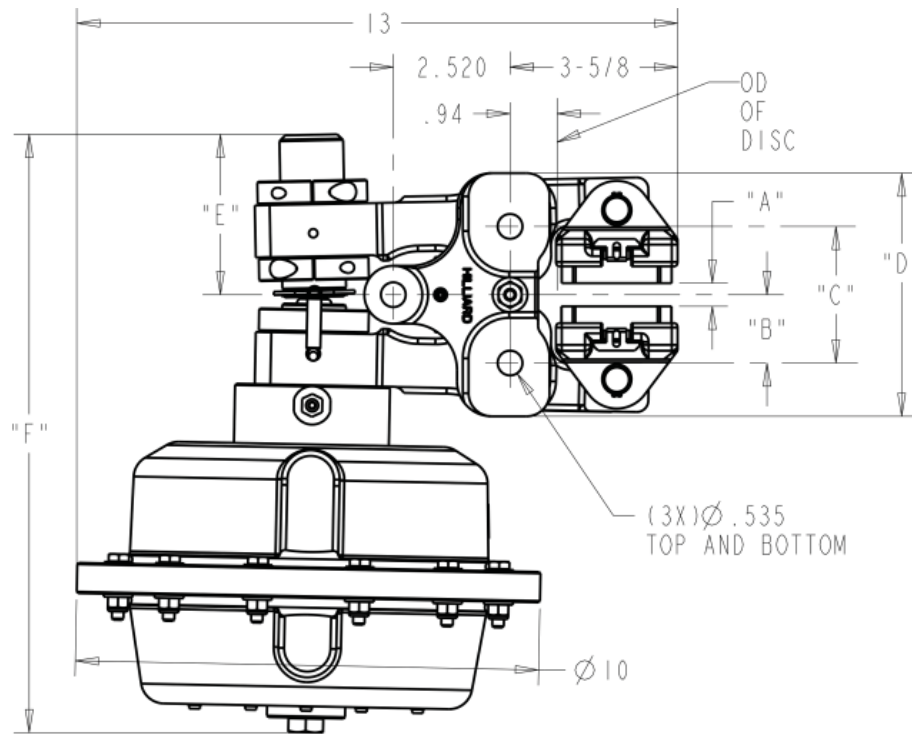
### **A300 Caliper T300SH Thruster Specifications:**

Total Brake Weight: 48 lbs. (21.6 kg)

Caliper Weight: 24 lbs. (10.8 kg) Thruster Weight: 24 lbs. (10.8 kg)

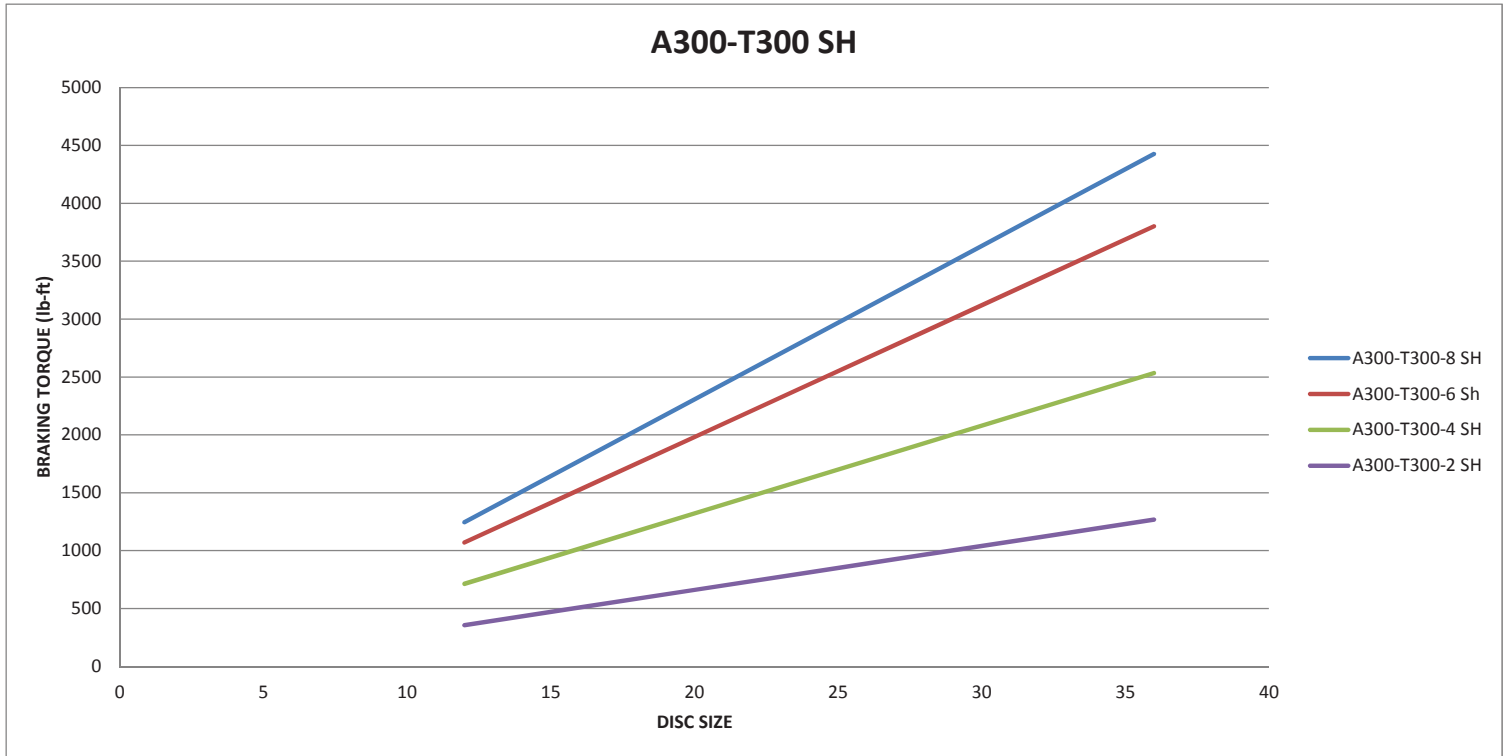
Friction Pad Area: 16 SQ. IN. [103 SQ Cm]

Brake Path: 2.625 in (67 mm)



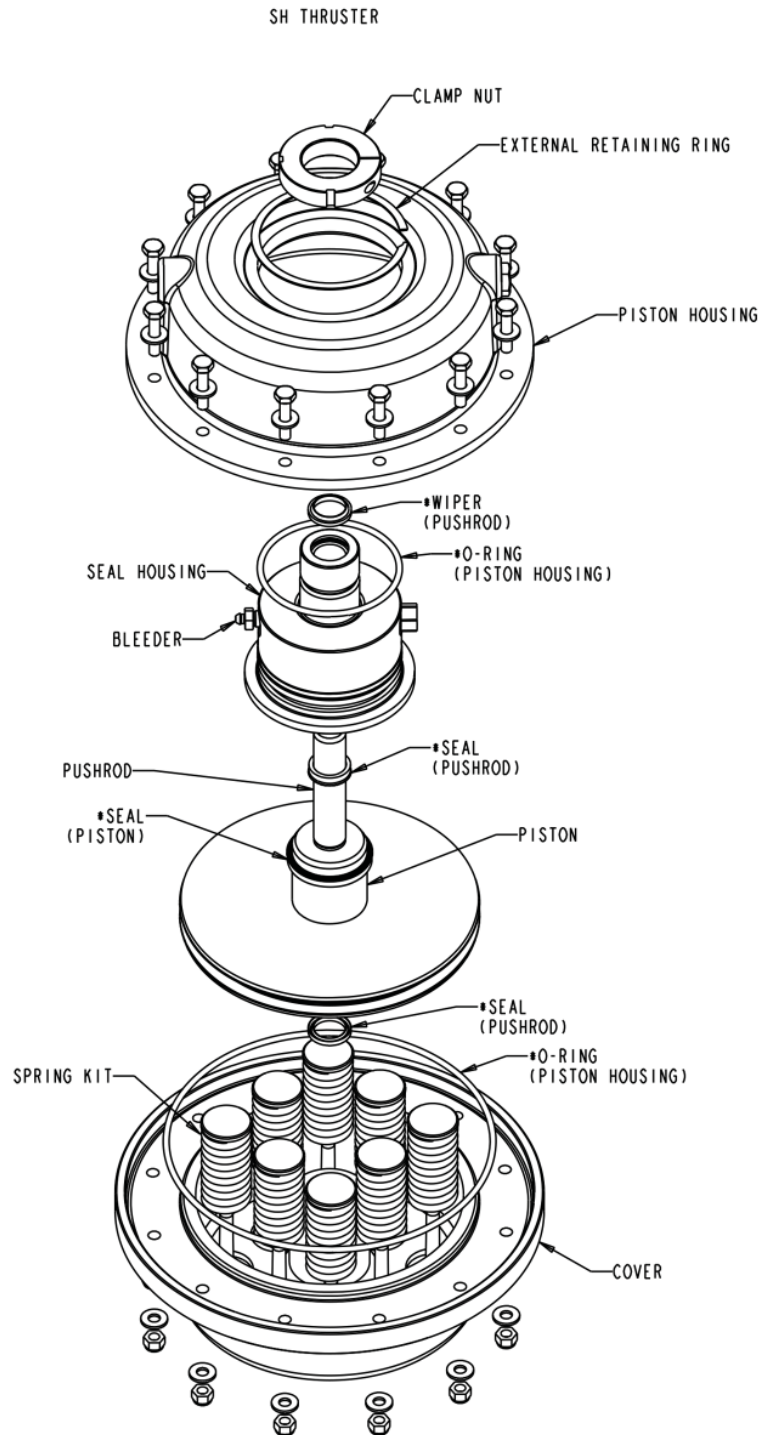
A300-T300SH

A300 CALIPER WITH T300 SH THRUSTER						
Caliper Model	"A" Disc Thickness	"B"	"C"	"D"	"E"	"F"
A300-13	1/2"	1.48"	2.95"	5- 1/4"	4"	13- 7/16"
A300-24	1"	1.66"	3.31"	5- 9/16"	4"	13- 1/2"
A300-30	1- 3/16"	1.48"	2.95"	5- 13/16"	4"	13- 9/16"
A300-40	1- 1/2"	1.66"	3.31"	6- 1/16"	3.5"	13- 3/4"



SPRING APPLIED / HYDRAULIC RELEASE T300SH THRUSTER			
THRUSTER Model	Retract Pressure	Maximum Pressure	Maximum Braking Force
T300SH-7-AA	75 psi/ 5.2 Bar	95 psi/ 6.6 Bar	3180 lbf
T300SH-6-AA	66 psi/ 4.6 Bar	83 psi/ 5.7 Bar	2732 lbf
T300SH-4-AA	44 psi/ 3.1 Bar	55 psi/ 3.8 Bar	1821 lbf
T300SH-2-AA	22 psi/ 1.5 Bar	28 psi/ 1.9 Bar	911 lbf

# SH Thruster: Spring Applied / Hydraulically Released



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

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YOUR LOCAL REPRESENTATIVE:



08/16 TDS-A300-T300 SH