Hilliard® Brake Model: A300-T300 HS

Technical Data Sheet

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 HS thruster is a direct applied thruster that is hydraulically applied spring released. The T300 HS thruster produces a maximum braking force of 3200 pounds at the maximum operating pressure of 1400 psi. (When used with the A300 Caliper)
Maximum Operating Pressure: 1400 psi
Total Brake Weight: 36 lbs. (116.2 kg)
Caliper Weight: 24 lbs. (10.8 kg) Thruster Weight: 12 lbs. (5.4 kg)
Friction Pad Area: 16 SQ. IN. [103 SQ Cm]
Oil Volume: .35 in.³ at Recommended Gap Setting
Brake Path: 2.625 in (67 mm)
Braking Torque at Max. Operating Pressure (lb-ft)= 267* (Disc Radius(in)-1.34)
HS Thruster: Hydraulically Applied / Spring Released

* Recommended spare part (seals & O-rings available as a kit)