



Model: 2K S 95 (stock) & 2K 95 (custom)

Stock Strokes (in): 0.5, 1.0, 1.5, 2.0

Use external stops. Do not bottom out the piston under load as it can damage the unit!

Dimensional

Bore Diameter: 0.366 in

Piston Area: 0.105 in²

Environment

Temperature Range: -55 °C to +70 °C (standard configuration)
-55 °C to +150 °C (available as custom)

Mounting

NY/NF/TX rod configurations: Misalignment handling is built into the rod design, so no separate misalignment coupling is needed. Fix the cylinder in place and then attach the rod to a pivoting or linearly guided load. Ensure that the rod does not rub against the inside of the rod clearance hole throughout the entire stroke.

TV/TW rod configurations: Misalignment handling is not fully built into the rod design, so a separate ball joint needs to be attached to the end of the rod. Do not use a misalignment coupling. Fix the cylinder in place and then attach the rod to a pivoting or linearly guided load. Ensure that the rod does not rub against the inside of the rod clearance hole throughout the entire stroke.

Mounting Hole Options

Rectangular: .312 x .375 in (8 mm x 10 mm)

Round: Ø.375 in (Ø10 mm)

Suggested Mounting Bracket Thickness

If using adjustment knob: .060 to .093 in

If not using adjustment knob: .060 to .125 in

Cylinder Nut Torque: 4 to 8 in-lb_f

Rod Nut Torque (NF rod configuration): 2 to 5 in-lb_f

Output: Available in 2-Way (A), Pull (B), or Push (C) Damping

Pull Damp Capacity = 1.4 lb_f maximum

Push Damp Capacity = 1 lb_f maximum

Stock Dashpots and Custom with Super Piston Fit:

Damping Coefficient Range (Adjustable) = 0 to 2.5 lb_f-s/in

Custom Dashpot with Standard Piston Fit:

Damping Coefficient Range (Adjustable) = 0 to 2 lb_f-s/in

Piston Friction Coefficient: Approximately 0.2
(static & dynamic)

Friction Force without Side Load: <1 g

Cycle Life

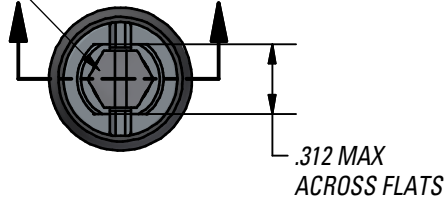
The very long cycle life of this product depends on how the cylinder is used as well as the requirements of your application. Leak will increase slowly as the piston wears with high number of cycles. High loads and especially high side loads along with cycling can increase friction. Typically, cylinders will last from 1 to 25 million cycles before they are replaced.

Mass (stock units)

Total Mass (g) = 11.7 + (3.3 x stroke)

Moving Mass (g) = 2.8 + (0.4 x stroke)

NUT, WASHER, AND KNOB
NOT SHOWN



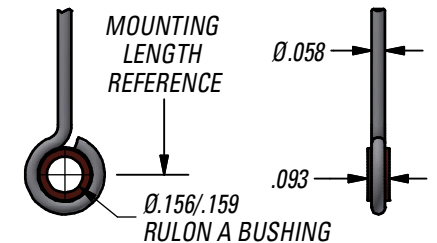
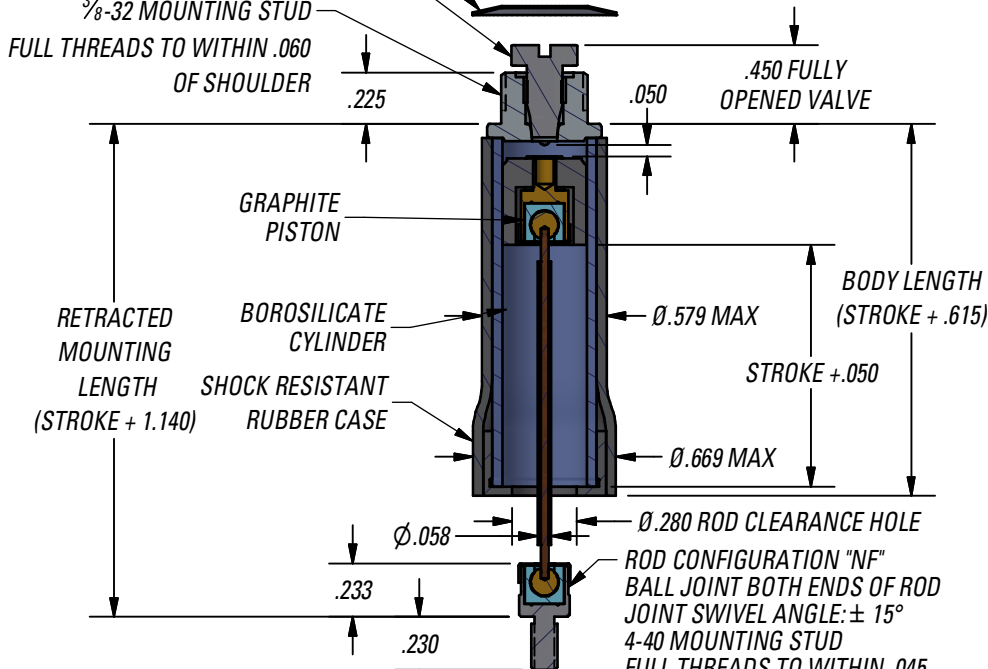
SNAP-ON ADJUSTMENT KNOB
MOUNTING NUT
1/2 HEX



BELLEVILLE LOCK WASHER
1/4 HEX DAMPING
ADJUSTMENT



3/8-32 MOUNTING STUD
FULL THREADS TO WITHIN .060
OF SHOULDER



ROD CONFIGURATION "NY"

STOCK
STROKE
LENGTHS

0.5
1.0
1.5
2.0

Part Number:

2K S 95 □ □ □

ROD CONFIGURATION

STROKE LENGTH

DAMPING DIRECTION (A/B/C)

Airpot®

35 LOIS ST
NORWALK CT 06851
US

203-846-2021
www.airpot.com

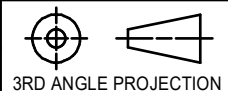
PART

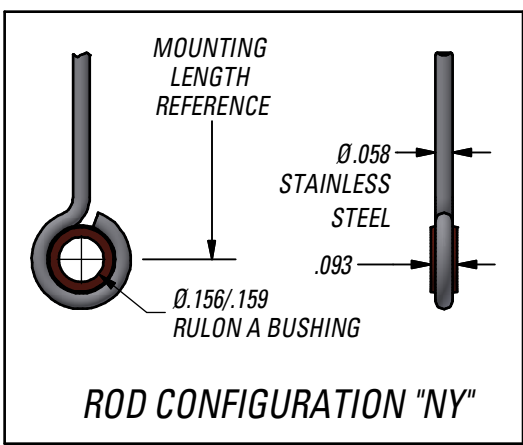
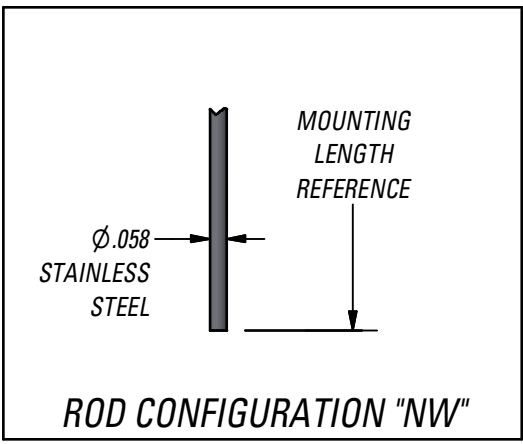
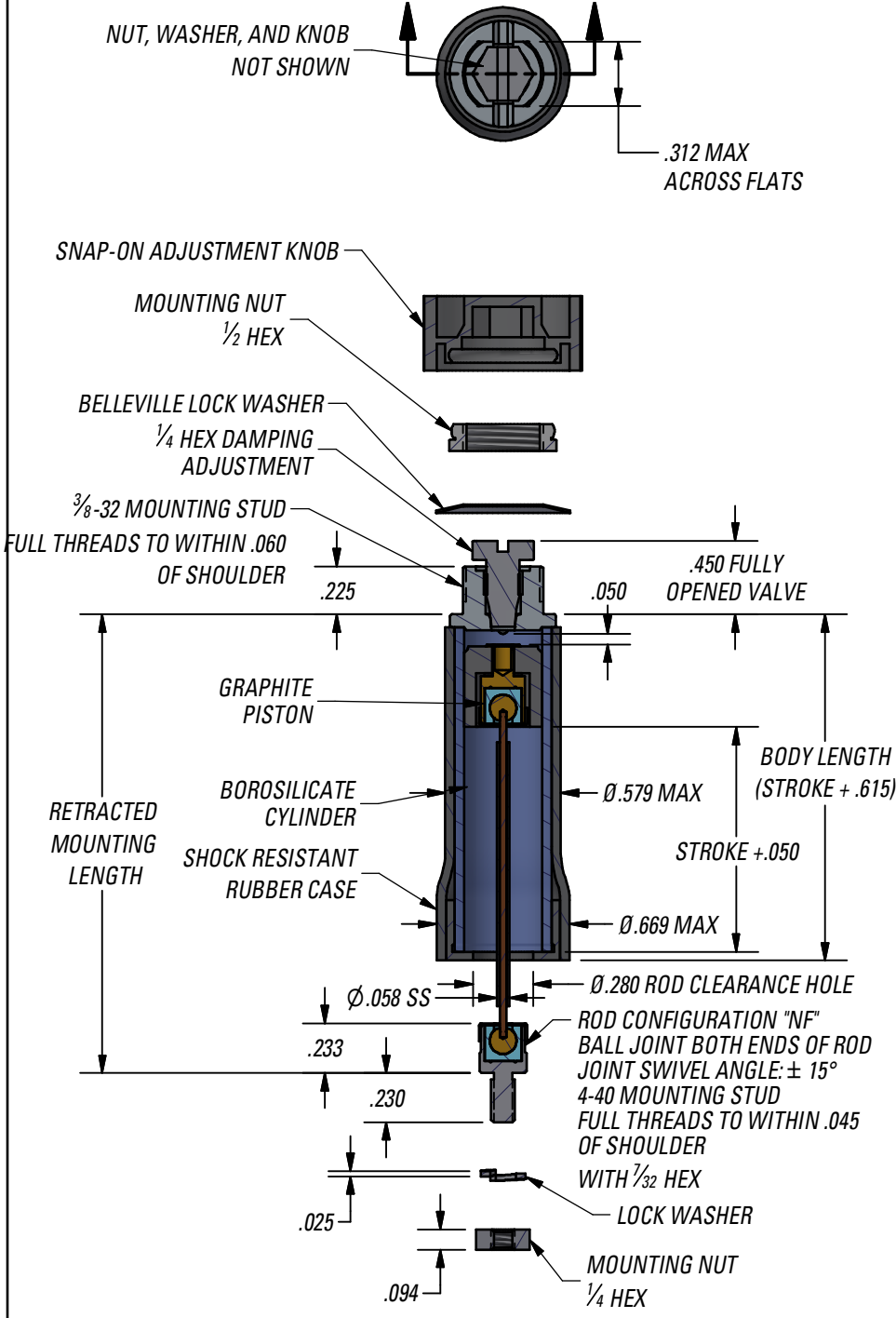
2K S 95 A/B/C

REV
1127AF

STOCK 2K95 DASHPOT

UNITS IN INCHES





Part Description:

2K 95 □ □ □ □ L K O

RETRACTED MOUNTING LENGTH
 ROD CONFIGURATION
 STROKE LENGTH
 DAMPING DIRECTION (A/B/C)

L = Super Piston Fit
 K = Rubber Case
 O = Piston Retainer

Airpot® 35 LOIS ST NORWALK CT 06851 US		203-846-2021 www.airpot.com
PART 2K 95 A/B/C		REV 0115AH
CUSTOM 2K95 DASHPOT	UNITS IN INCHES	3RD ANGLE PROJECTION