

***Series SS, SSM,
SSD, SSDM
Stainless Steel
Body Air Cylinders***

*Catalog AC0960-2
April, 2002*



**ATLAS
CYLINDERS**

From Atlas Cylinders... The Series SS Stainless Steel Body Air Cylinder.

Industry's most available stainless steel body air cylinder.

Designed and built for maximum performance and reliability to meet your particular application requirements. Our advanced manufacturing know-how results in a lower initial cost that lets you stretch those tight design budgets without sacrificing quality.

The Atlas Cylinders Series SS air cylinder — with the new unitized stainless steel body — totally integrates over 60 years of proven engineering capability and experience, high volume manufacturing capabilities, a broad distribution network plus the **only** computer linked nationwide regional warehouse system to provide you with what you need, when you need it.

Atlas Cylinders Series SS cylinders are available from strategically located regional stocking warehouses and over 70 distributor locations for quick delivery. The Atlas Cylinders System is unequalled for saving you downtime, delivery time and freight costs.

For your cylinder requirements specify Atlas Cylinders — The One Source you can depend on for Total Cylinder Response-Ability. Worldwide.



Warning

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from The Company, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application, including consequences of any failure and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The product described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by The Company and its subsidiaries at any time without notice.

Offer of Sale

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Series SS Air Cylinders



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In line with our continuing product improvement, the specifications in this catalog are subject to change without notice.

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Standard Specifications

- 304 stainless steel cylinder body.
- Aluminum heads and caps.
- Stainless steel piston rods are standard up to 1.50" bore.
- Nominal pressure rating 250 psi.
- Standard temperature -10°F to +165°F.
- Twelve bore sizes — 5/16" through 3".

- 28 standard mounting styles.
- Single and double acting.
- Bumpers.
- Adjustable cushions.
- Rod wipers

For additional mounting styles please consult factory.

In line with our policy of continuing product improvement, the specifications in this catalog are subject to change without notice.

Series SS Available Mounting Styles

Model	Description	Bore Size												Recommended Max. Stroke (in.)
		5/16"†	7/16"	9/16"	3/4"	7/8"	1-1/16"	1-1/4"	1-1/2"	1-3/4"	2"▲	2-1/2"	3"	
N	Nose mount, spring return	●	●	●	●	●	●	●	●	●	●	—	—	6"
NR	Nose mount, spring return, hex rod (non-rotating)	—	●	●	●	●	●	●	●	●	—	—	—	6"
NRP	Pivot and nose mount, spring return, hex rod (non-rotating)	—	●	●	●	●	●	●	●	●	—	—	—	6"
P	Pivot mount, spring return	●	●	●	●	●	●	●	●	●	●	—	—	6"
R	Nose mount, spring extended	●	●	●	●	●	●	●	●	●	●	—	—	6"
RP	Pivot and nose mount, spring extend	●	●	●	●	●	●	●	●	—	●	—	—	6"
D	Nose mount, double acting	●	●	●	●	●	●	●	●	●	●	●	●	12"
DP	Pivot and nose mount, double acting, pivot pin	—	●	—	●	—	●	—	●	—	—	—	—	12" (under 3/4" bore) 32" (3/4" & up)
DXP	Pivot and nose mount, double acting, no pivot pin	●	●	●	●	●	●	●	●	●	●	●	●	12" (under 3/4" bore) 32" (3/4" & up)
DX	Threaded both ends, double acting	—	See DXP	See DXP	See DXP	See DXP	See DXP	See DXP	●	—	See DXP	—	—	32"
KDX	Threaded both ends, double acting, double rod	—	●	●	●	●	●	●	●	●	●	●	●	6" (under 3/4" bore) 12" (3/4" & up)
KDXH	Threaded both ends, double rod, hollow rod	—	—	—	—	—	●	●	●	●	●	—	—	12"
A	Nose mount, spring return, head adjustable stroke	—	—	—	●	—	●	—	●	—	—	—	—	6"
RA	Nose mount, spring extend, cap adjustable stroke	—	—	—	●	—	●	—	●	—	—	—	—	6"
AP	Pivot mount, spring return, head adjustable stroke	—	—	—	●	—	●	—	●	—	—	—	—	6"
AR	Air reservoirs	—	—	—	●	—	●	—	●	—	●	—	—	12"
BRN	Rear block mount, single acting, spring return	—	●	—	●	—	●	—	●	—	—	—	—	6"
BRR	Rear block mount, single acting spring extend	—	—	—	●	—	●	—	●	—	—	—	—	6"
BFD	Front block mount, double acting	●	●	—	●	—	●	—	●	—	—	—	—	12"
BRD	Rear block mount, double acting	—	●	—	●	—	●	—	●	—	—	—	—	12"
BFN	Front block mount, single acting spring return	—	●	—	●	—	●	—	●	—	—	—	—	6"
BFR	Front block mount, single acting spring extend	—	—	—	●	—	●	—	●	—	—	—	—	6"
TRN	Rear trunnion mount, single acting, spring return	—	●	—	●	—	●	—	●	—	—	—	—	6"
TRR	Rear trunnion mount, single acting spring extend	—	—	—	●	—	●	—	●	—	—	—	—	6"
TFD	Front trunnion mount, double acting	—	●	—	●	—	●	—	●	—	—	—	—	12"
TRD	Rear trunnion mount, double acting	—	●	—	●	—	●	—	●	—	—	—	—	12"
TFN	Front trunnion mount, single acting spring return	—	●	—	●	—	●	—	●	—	—	—	—	6"
TFR	Front trunnion mount, single acting spring extend	—	—	—	●	—	●	—	●	—	—	—	—	6"

▲ Recommended maximum stroke is 4" in models N, P, R & RP.

†† Recommended maximum stroke is 4".

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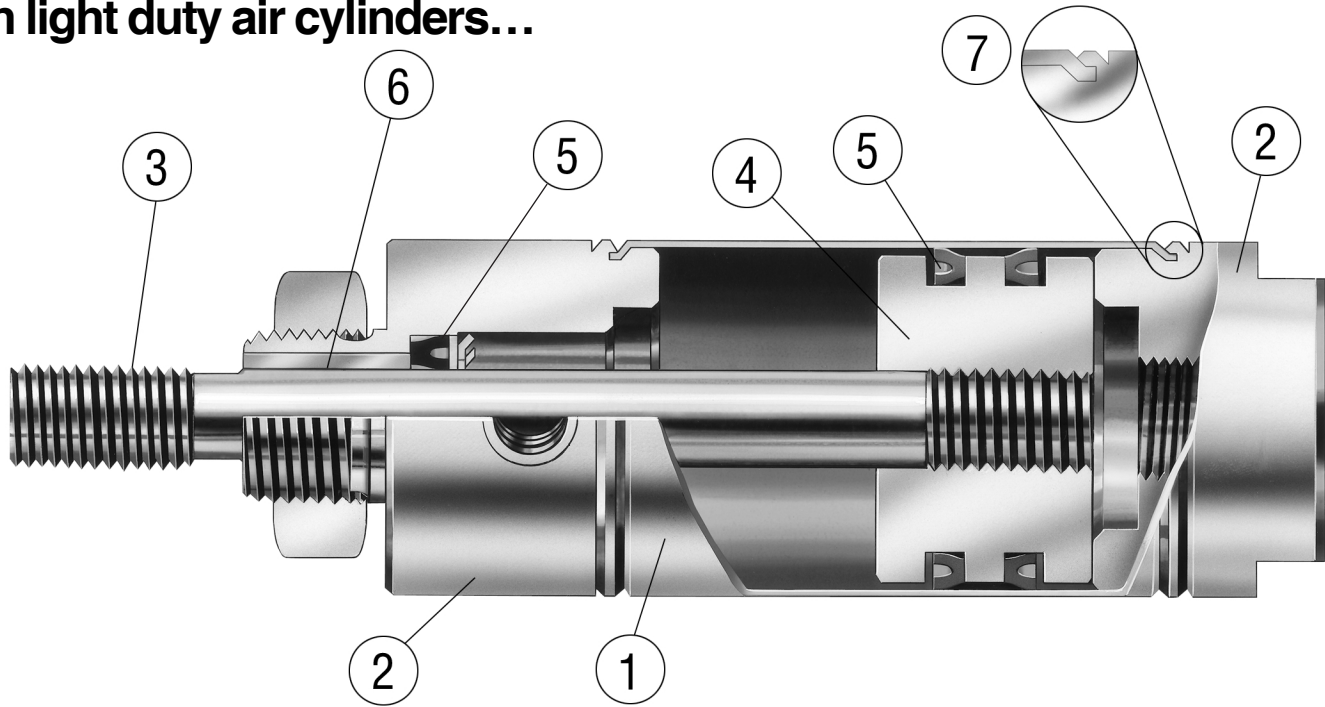
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ATLAS
CYLINDERS

Series SS

Stainless Steel Body Air Cylinders

The inside story
on why Series SS
is your best choice
in light duty air cylinders...



Quality cost saving features include:

1 Cylinder Tube — Type 304 stainless steel, polished to a micro-inch finish on the I.D. provides low friction and long life. A matte finish on the O.D. provides smudge resistance.

2 Heads and Caps — Aluminum construction with precision machining to provide a smooth break away. The tube-to-head connection is a strong double rolled construction.

3 Stainless Steel Piston Rods — Corrosion resistant stainless steel is now the standard piston rod material for all bore sizes up to and including 1.50 inch bore at no additional cost. The only exception to the stainless steel standard is when a hollow rod or non-rotating hexagonal rod option is specified. Stainless steel is also the standard material on block, trunnion and KDX mounts.

Pre-Lubrication — All Series SS cylinders are factory prelubricated for use with or without added lubrication.

4 Piston Body — Pistons are precision machined aluminum construction. Piston rod connections are threaded and loctited to provide for leakproof and durable service.

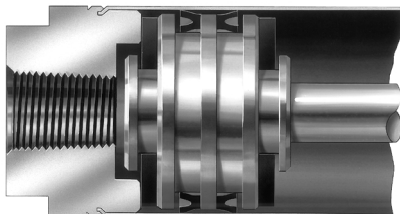
5 Seals — All piston and rod seals are of a lipseal construction. Buna-N is standard on all models Fluorocarbon seals are available as an option.

6 Rod Bushings — Oil impregnated bronze reamed to a close tolerance provides for smooth operation and long life.

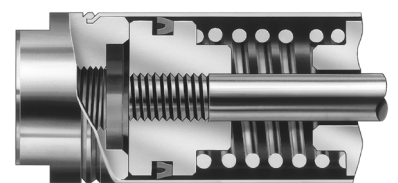
7 Unitized Construction — Precision double-rolled unitized construction provides durable, leak-proof service and long life.

Twelve Bore Sizes — 5/16" thru 3". Series SS cylinders are designed to be dimensionally interchangeable with other major stainless steel cylinders.

Bumpers — are standard on select bore sizes. See bumper information for details.



Springs — shot peened music wire for high cycle life. Spring spacers are provided for every one inch of stroke (1/2" for 5/16" and 7/16" bore) to insure uniform spring rate and prevent spring failure.



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**ATLAS
CYLINDERS**

5/16" Bore Size
Single Acting

Series SS Stainless Steel Body Air Cylinders

Mounting Style N

Single Acting

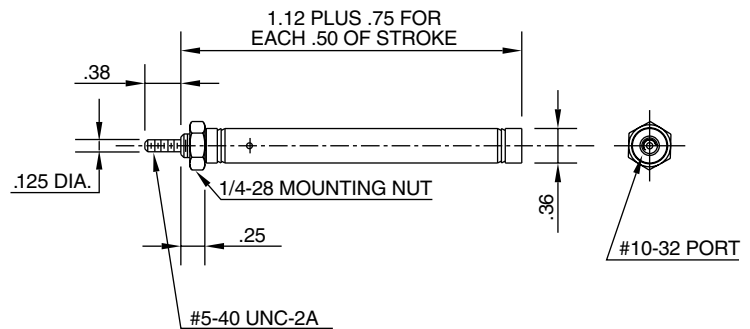
Spring Return

Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

Maximum Stroke 4"



Optional Accessory:

L0 7379 0016 Foot Bracket

Mounting Style P

Single Acting

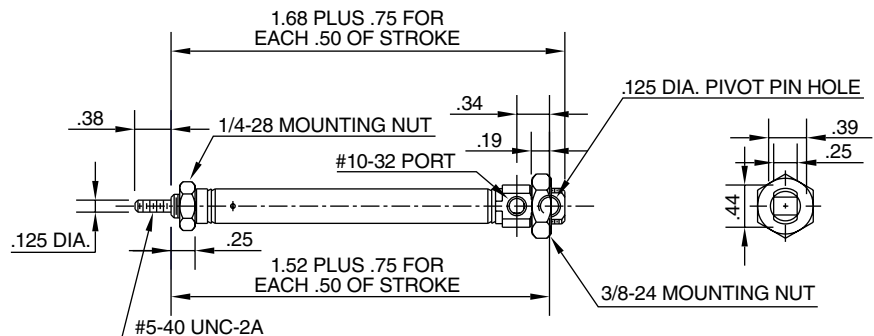
Spring Return

Double End or Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

Maximum Stroke 4"



Optional Accessories:

L0 7379 0016 Foot Bracket

L0 7132 0025 Pivot Bracket

L0 7130 0025 Rod Clevis

Mounting Style R

Single Acting

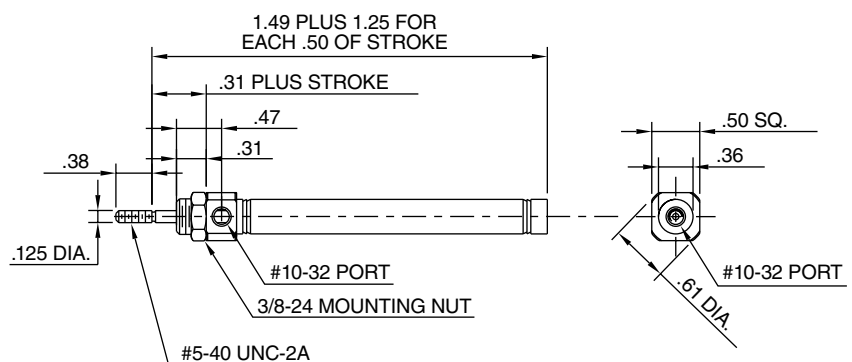
Spring Extend

Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3"

Maximum Stroke 4"



Optional Accessory:

L0 7379 0023 Foot Bracket

Mounting Style RP

Single Acting

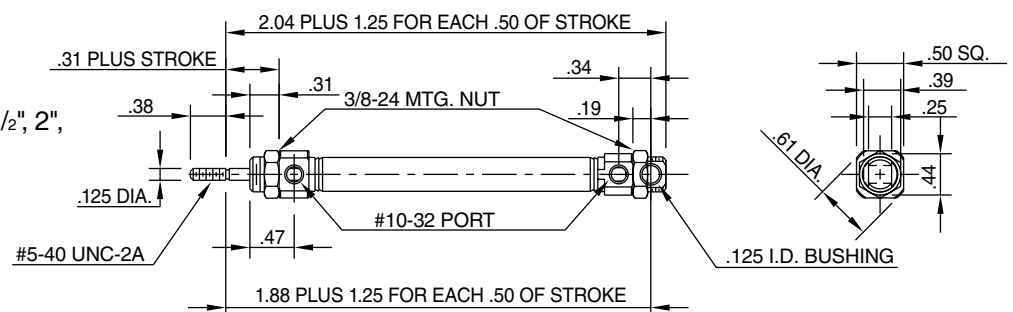
Spring Extend

Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3"

Maximum Stroke 4"



Optional Accessories:

L0 7379 0023 Foot Bracket

L0 7132 0025 Pivot Bracket

L0 7130 0025 Rod Clevis

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**ATLAS
CYLINDERS**

Series SS Stainless Steel Body Air Cylinders

5/16" Bore Size
Double Acting
Block Mount

Mounting Style D

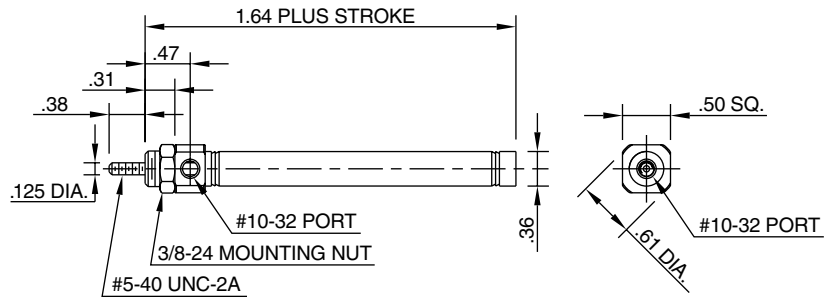
Double Acting

Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

Maximum Stroke 4"



Optional Accessory:

L0 7379 0023 Foot Bracket

Mounting Style DXP

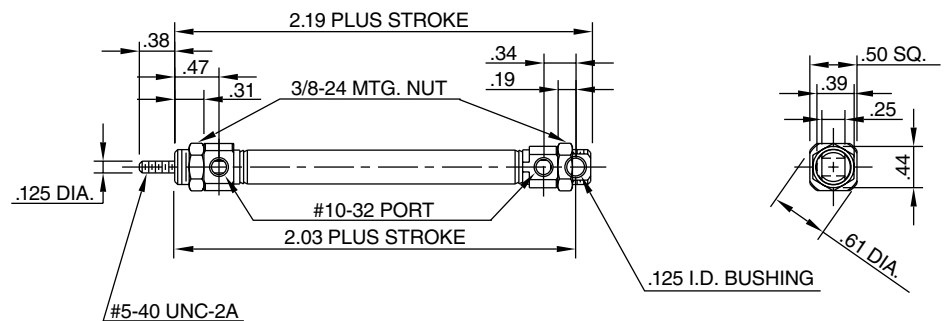
Double Acting

Double End or Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

Maximum Stroke 4"



Optional Accessories:

L0 7379 0023 Foot Bracket

L0 7132 0025 Pivot Bracket

L0 7130 0025 Rod Clevis

Mounting Style BFD

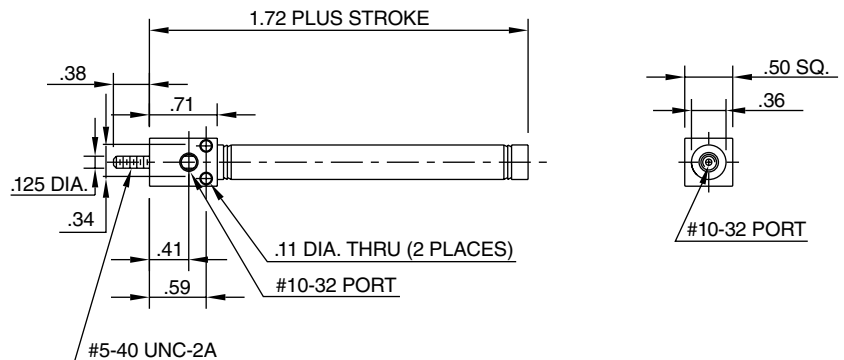
Double Acting

Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

Maximum Stroke 4"



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**ATLAS
CYLINDERS**

**7/16" Bore Size
Single Acting**

Series SS Stainless Steel Body Air Cylinders

Mounting Style N

Single Acting

Spring Return

Front Nose Mounting

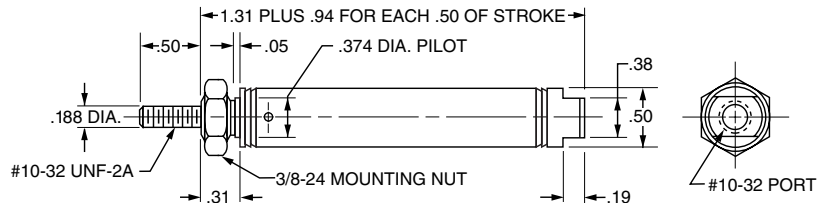
Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

Maximum Stroke 6"

Optional Accessory:

L0 7379 0024 Foot Bracket



Mounting Style NR

Single Acting

Spring Return

Non-Rotating Hex Rod

Front Nose Mounting

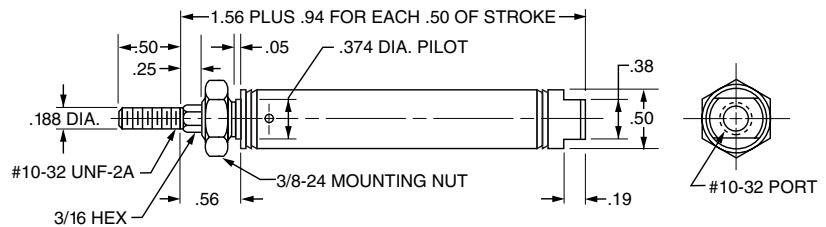
Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

Optional Accessory:

L0 7379 0024



Mounting Style NRP

Single Acting

Spring Return

Non-Rotating Hex Rod

Rear Pivot Mounting

Stainless Steel Rod Standard

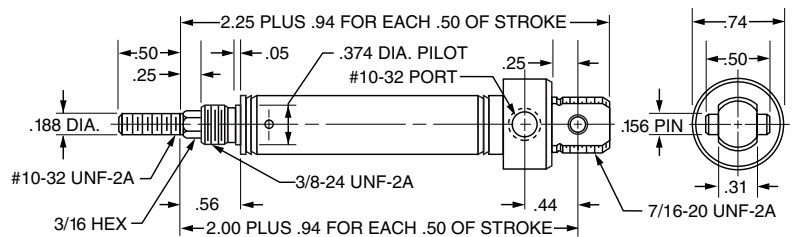
Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

Optional Accessories:

L0 7131 0100 Pivot Brackets

L0 7130 0100 Rod Clevis



Mounting Style P

Single Acting

Spring Return

Rear Pivot Mounting

Stainless Steel Rod Standard

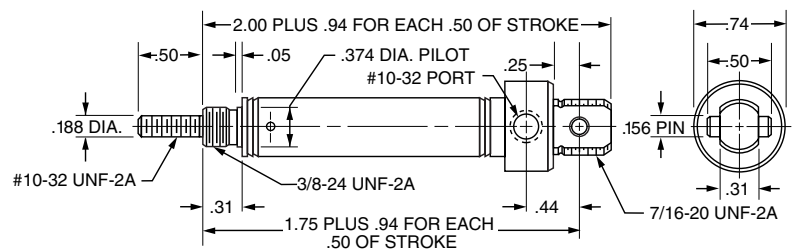
Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

Optional Accessories:

L0 7131 0100 Pivot Brackets

L0 7130 0100 Rod Clevis



Mounting Style R

Single Acting

Spring Extend

Front Nose Mounting

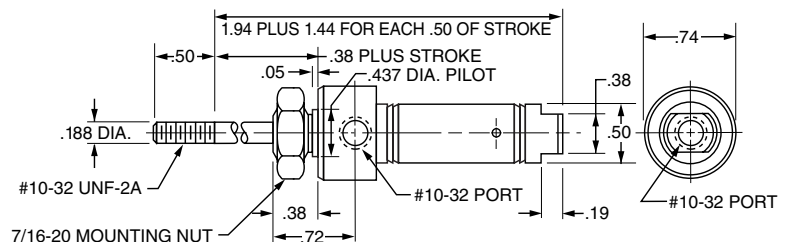
Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3"

Maximum Stroke 6"

Optional Accessories:

L0 7379 0028 Foot Bracket



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**ATLAS
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Series SS Stainless Steel Body Air Cylinders

**7/16" Bore Size
Single and Double Acting**

Mounting Style RP

Single Acting

Spring Extend

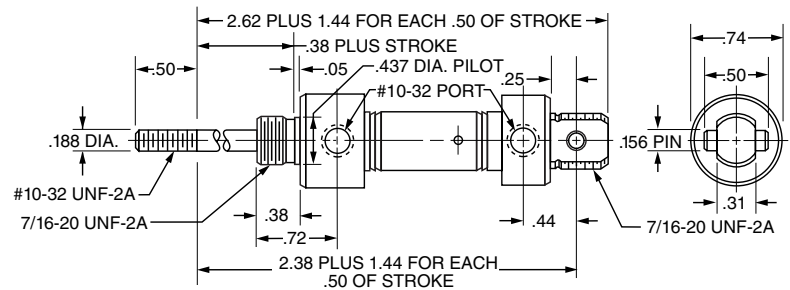
Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3"

Maximum Stroke 6"

Optional Accessories: L0 7131 0100 Pivot Brackets
L0 7130 0100 Rod Clevis



Mounting Style D

Double Acting

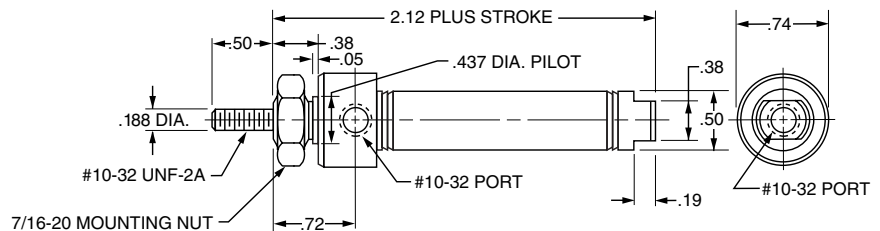
Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 12"

Optional Accessory:
L0 7379 0028



Mounting Style DP

Double Acting

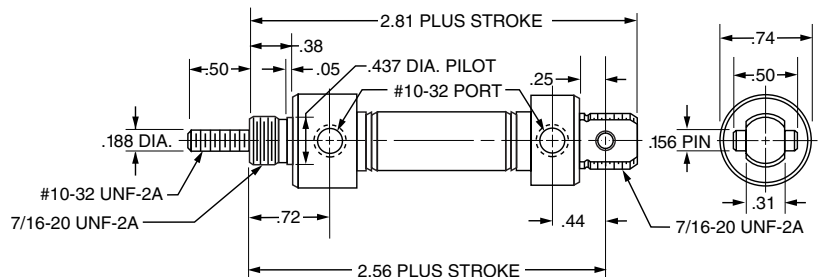
Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 12"

Optional Accessories: L0 7131 0100 Pivot Brackets
L0 7130 0100 Rod Clevis



Mounting Style DXP

Double Acting

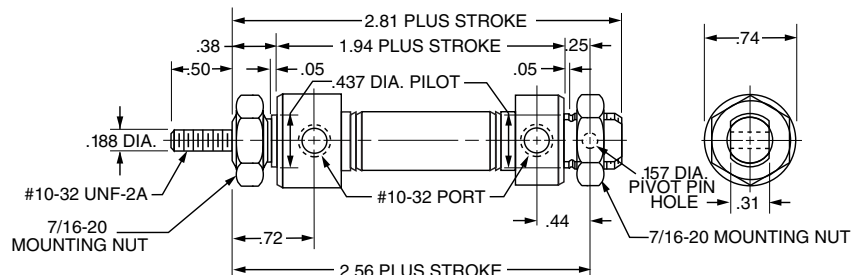
Double End or Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 12"

Optional Accessories: L0 7379 0028 Foot Bracket
L0 7130 0100 Rod Clevis
L0 7132 0100 Pivot Bracket with Pin



Mounting Style KDX

Double Acting

Double Rod

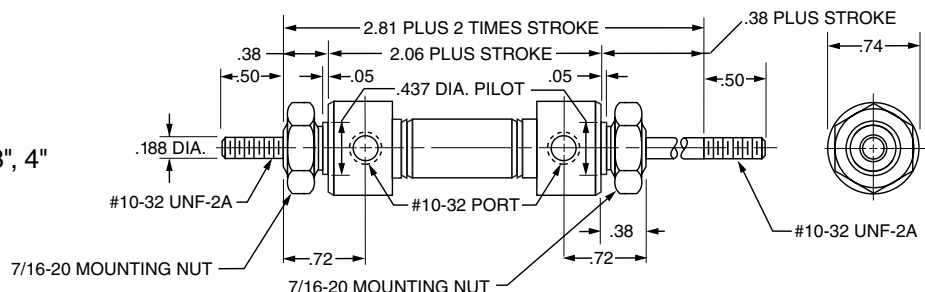
Double End Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

Optional Accessory:
L0 7379 0028 Foot Bracket



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■ Atlanta, GA
770/819-3400

■ Goodland, IN
219/297-3182
■ Plymouth, MI
734/455-1700

■ Hillsborough, NC
919/732-9371
■ Akron, OH
330/253-4500
■ Portland, OR
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■ Owen Sound, Ont. Can
519/376-2691
■ Toronto, Ont. Can.
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**ATLAS
CYLINDERS**

Series SS Trunnion Mounted Stainless Steel Body Air Cylinders

**7/16" Bore Size
Single and Double Acting**

Mounting Style TFN

Single Acting

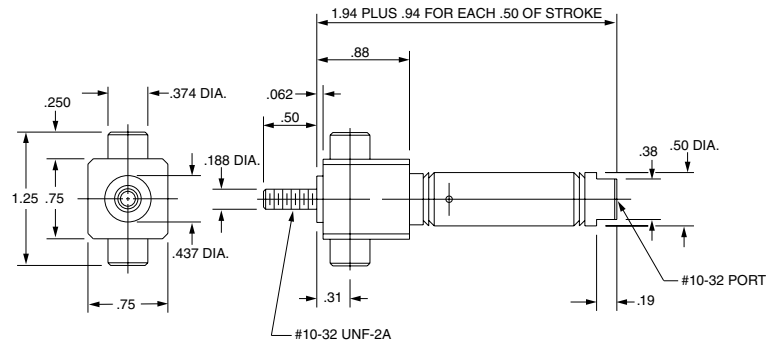
Spring Return

Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3"

Maximum Stroke 6"



Mounting Style TRN

Single Acting

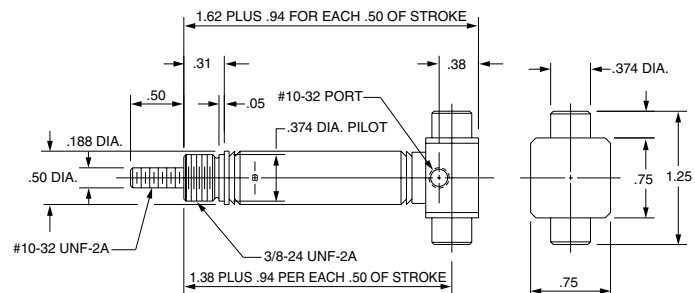
Spring Return

Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"



Mounting Style TFD

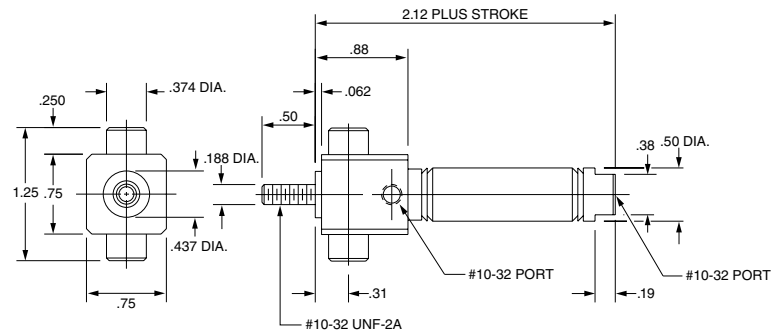
Double Acting

Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 12"



Mounting Style TRD

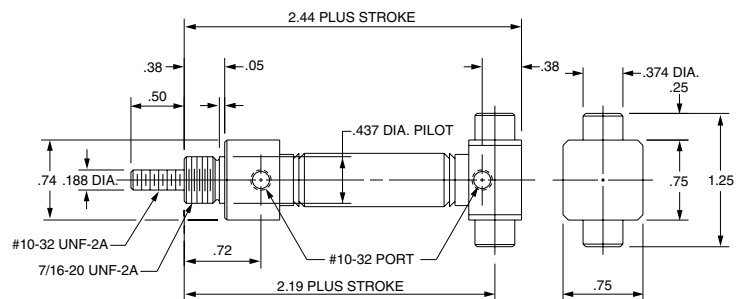
Double Acting

Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 12"



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**ATLAS
CYLINDERS**

**9/16" Bore Size
Single Acting**

Series SS Stainless Steel Body Air Cylinders

Mounting Style N

Single Acting

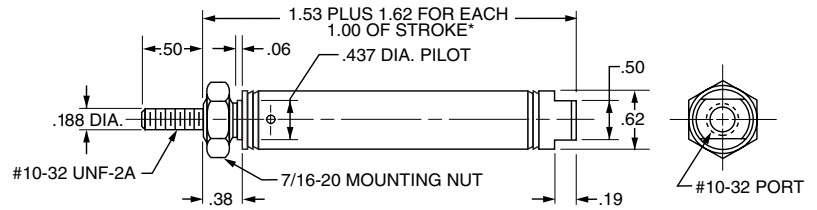
Spring Return

Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"



Optional Accessory:

L0 7379 0028 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

Mounting Style NR

Single Acting

Spring Return

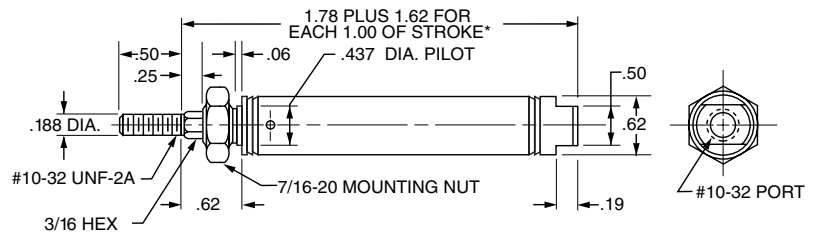
Non-Rotating Hex Rod

Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"



Optional Accessory:

L0 7379 0028 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

Mounting Style NRP

Single Acting

Spring Return

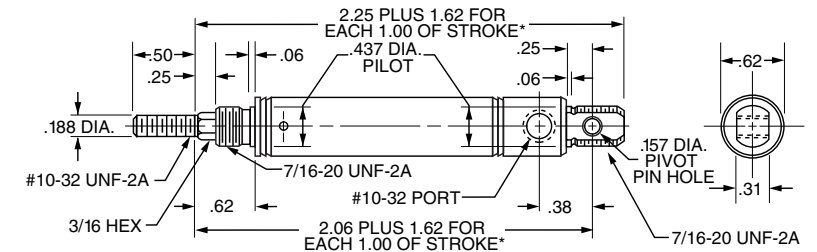
Non-Rotating Hex Rod

Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"



Optional Accessories:

L0 7130 0100 Rod Clevis
L0 7132 0100 Pivot Brackets with Pin

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

Mounting Style P

Single Acting

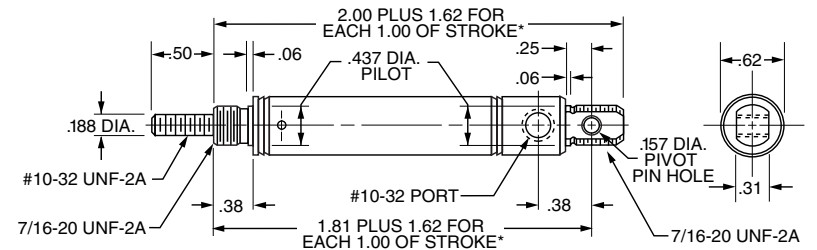
Spring Return

Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"



Optional Accessories:

L0 7130 0100 Rod Clevis
L0 7132 0100 Pivot Bracket with Pin

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

Mounting Style R

Single Acting

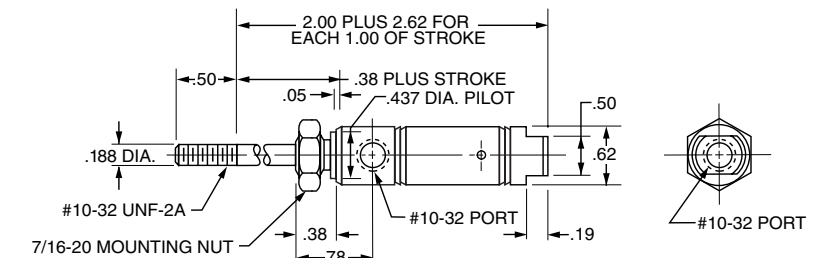
Spring Extend

Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3"

Maximum Stroke 6"



Optional Accessory:

L0 7379 0028 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

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**ATLAS
CYLINDERS**

Series SS Stainless Steel Body Air Cylinders

9/16" Bore Size
Single and Double Acting

Mounting Style RP

Single Acting

Spring Extend

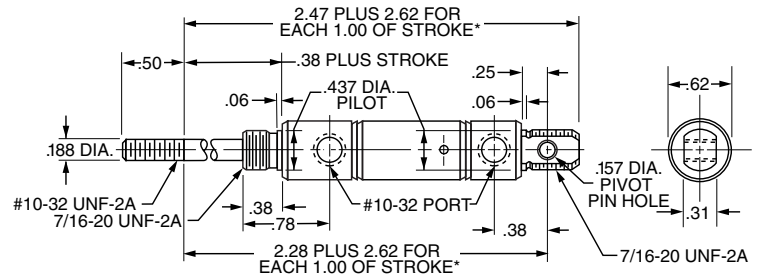
Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessories: L0 7130 0100 Rod Clevis
L0 7132 0100 Pivot Bracket with Pin

Mounting Style D

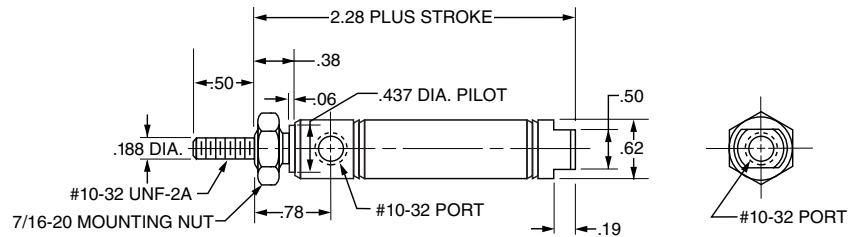
Double Acting

Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 12"



Optional Accessory:
L0 7379 0028 Foot Bracket

Mounting Style DXP

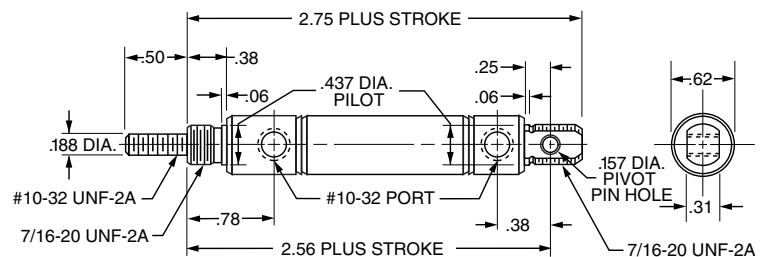
Double Acting

Double End or Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 12"



Optional Accessories: L0 7130 0100 Rod Clevis
L0 7379 0028 Foot Bracket
L0 7380 0500 Hex Nuts

Mounting Style KDX

Double Acting

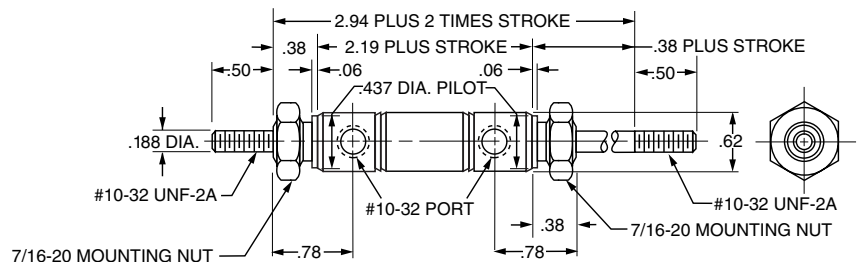
Double Rod

Double End Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"



Optional Accessory:
L0 7379 0028 Foot Bracket

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**ATLAS
CYLINDERS**

**3/4" Bore Size
Single Acting**

Series SS Stainless Steel Body Air Cylinders

Mounting Style N

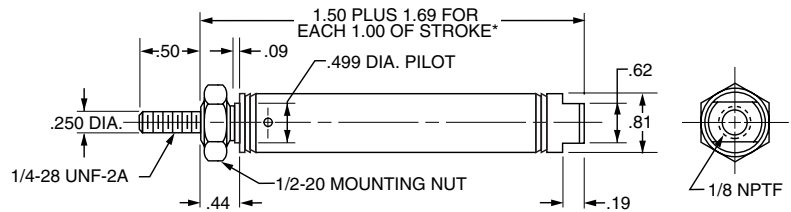
Single Acting

Spring Return

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"



Optional Accessory:

L0 7379 0032 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

Mounting Style NR

Single Acting

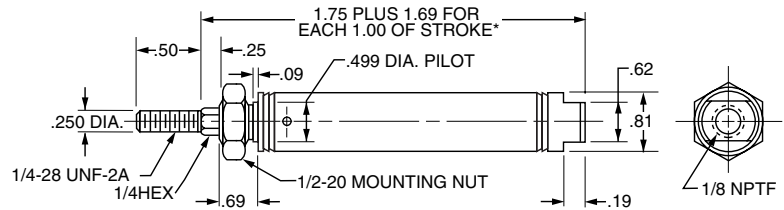
Spring Return

Non-Rotating Hex Rod

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"



Optional Accessory:

L0 7379 0032 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

Mounting Style NRP

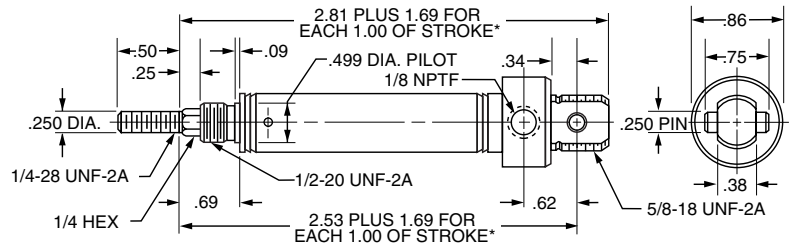
Single Acting

Spring Return

Non-Rotating Hex Rod — Rear Pivot Mounting

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"



Optional Accessories:

L0 7130 0200 Rod Clevis
L0 7131 0200 Pivot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

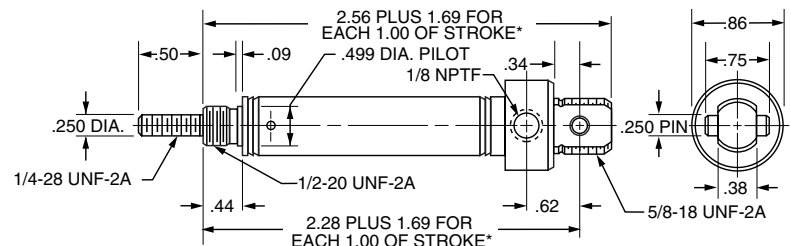
Mounting Style P

Single Acting

Spring Return

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"



Optional Accessories:

L07130 0200 Rod Clevis
L0 7131 0200 Pivot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

Mounting Style R

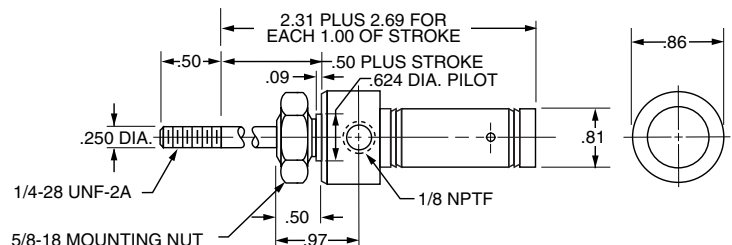
Single Acting

Spring Extend

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"



Optional Accessory:

L0 7379 0040 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

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Regional Plants

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■ Atlanta, GA
770/819-3400

■ Goodland, IN
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■ Plymouth, MI
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■ Hillsborough, NC
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■ Akron, OH
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■ Owen Sound, Ont. Can
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■ Toronto, Ont. Can.
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■ Dorval, Quebec, Can.
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**ATLAS
CYLINDERS**

Series SS Stainless Steel Body Air Cylinders

**3/4" Bore Size
Single and Double Acting**

Mounting Style RP

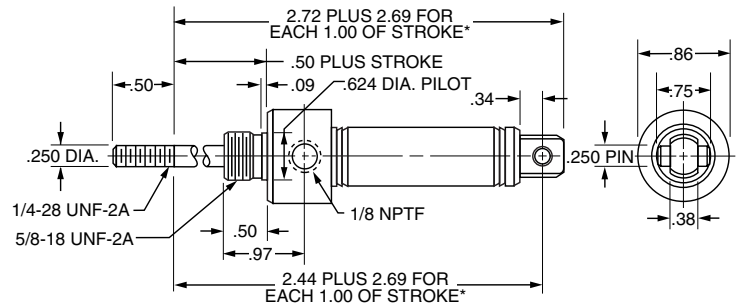
Single Acting

Spring Extend

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"



Optional Accessories: L0 7130 0200 Rod Clevis

L0 7131 0200 Pivot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

Mounting Style D

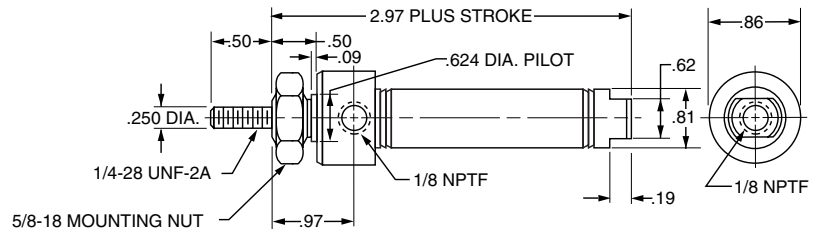
Double Acting

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 2", 2 1/2",

3", 4", 5", 6", 8", 10"

Maximum Stroke 12"



Optional Accessory:

L0 7379 0040 Foot Bracket

Mounting Style DP

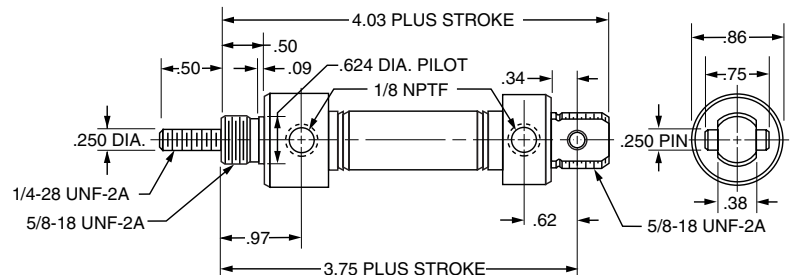
Double Acting

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 2", 2 1/2",

3", 4", 5", 6", 8", 10"

Maximum Stroke 12"



Optional Accessories: L07131 0200 Pivot Bracket

L0 7130 0200 Rod Clevis

Mounting Style DXP

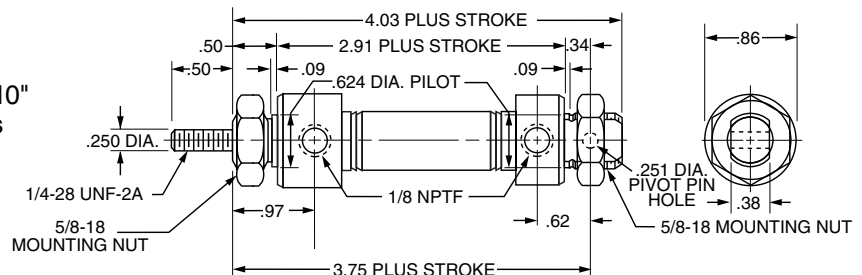
Double Acting

Double End or Rear Pivot Mounting

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6", 8", 10"

Strokes over 12" must be supported at both ends

Maximum Stroke 32"



Optional Accessories:

L0 7131 0200 Pivot Bracket with Pin

L0 7130 0200 Rod Clevis

L0 7379 0040 Foot Bracket

Cylinder Division
500 So. Wolf Road
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**ATLAS
CYLINDERS**

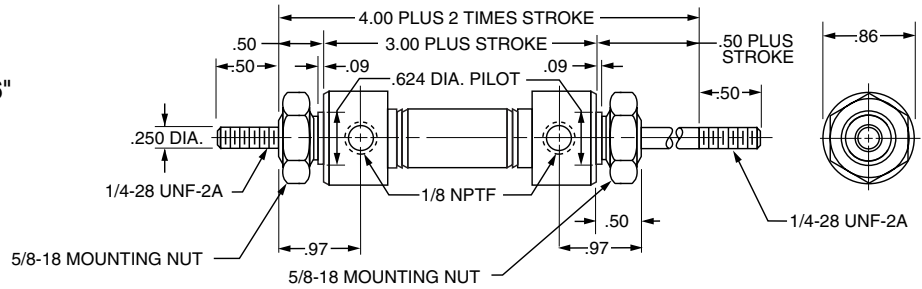
3/4" Bore Size
Double Acting and Adjustable
Stroke Single Acting

Series SS Stainless Steel Body Air Cylinders

Mounting Style KDX

Double Acting

Double Rod — Double End Mounting
 Stainless Steel Rod Standard
 Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
 Maximum Stroke 12"

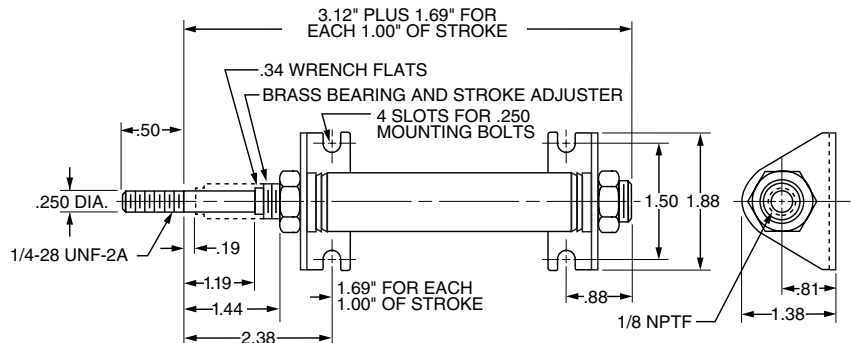


Optional Accessory:
 L0 7379 0040 Foot Bracket

Mounting Style A

Adjustable Stroke — Single Acting

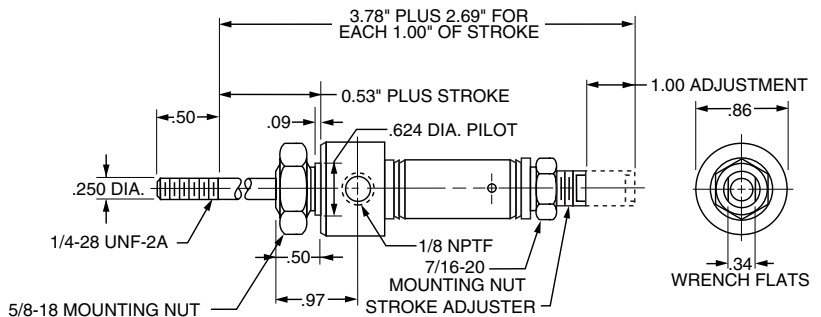
Spring Return — Double End Mounting
 Stroke adjustment in 1" increments to 3"
 1" Stroke adjusts 0"-1", 2" Stroke 1"-2",
 and 3" Stroke 2"-3"
 Mounting Brackets are included
 Maximum Stroke 6"



Mounting Style RA

Adjustable Stroke — Single Acting

Spring Extend — Nose Mounting
 Stroke adjustment in 1" increments to 3"
 1" Stroke adjusts 0"-1", 2" Stroke 1"-2",
 and 3" Stroke 2"-3"
 Maximum Stroke 6"

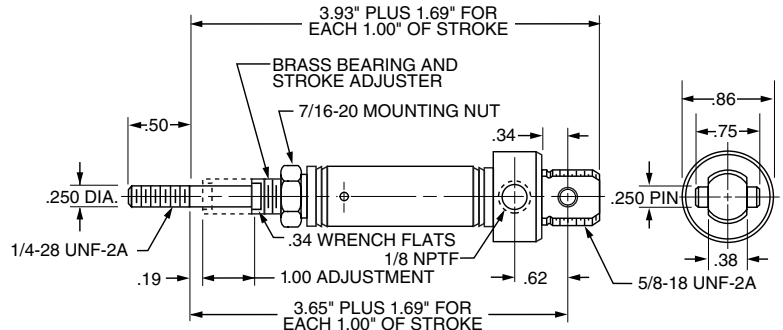


Optional Accessory:
 L0 7379 0040 Foot Bracket

Mounting Style AP

Adjustable Stroke — Single Acting

Spring Return — Rear Pivot Mounting
 Stroke adjustment in 1" increments to 3"
 1" Stroke adjusts 0"-1", 2" Stroke 1"-2",
 and 3" Stroke 2"-3"
 Maximum Stroke 6"



Optional Accessories: L0 7130 0200 Rod Clevis
 L0 7131 0200 Pivot Bracket

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 ■ Plymouth, MI
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■ Hillsborough, NC
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**ATLAS
CYLINDERS**

Series SS Block Mounted Stainless Steel Body Air Cylinders

**3/4" Bore Size
Single and Double Acting**

Mounting Style BRN

Single Acting

Spring Return

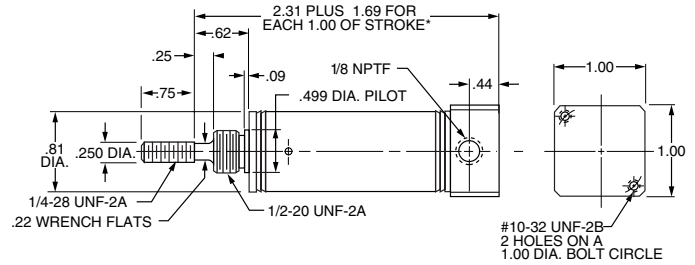
Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style BRR

Single Acting

Spring Extend

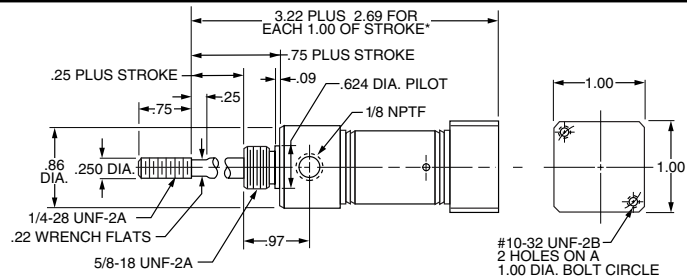
Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style BFD

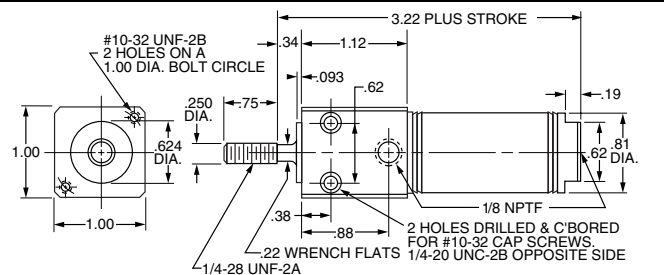
Double Acting

Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style BRD

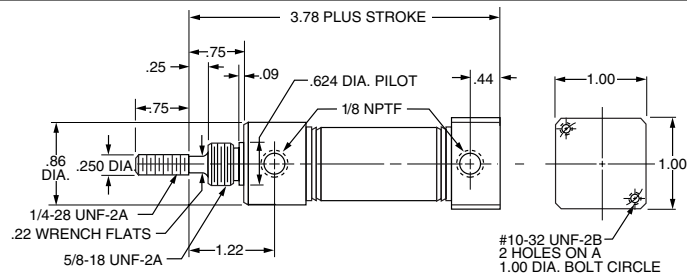
Double Acting

Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style BFN

Single Acting

Spring Return

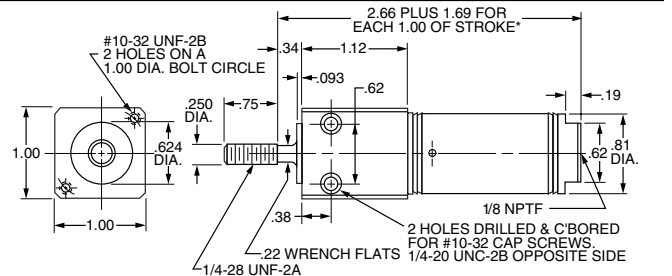
Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style BFR

Single Acting

Spring Extend

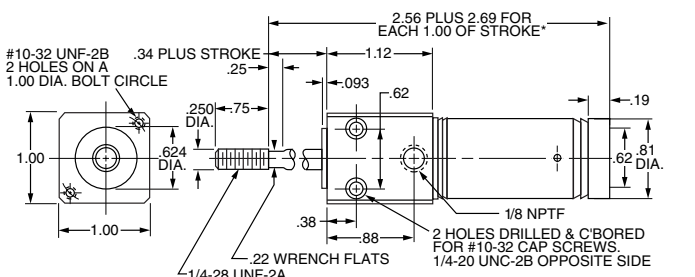
Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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**ATLAS
CYLINDERS**

**3/4" Bore Size
Single and Double Acting**

Series SS Trunnion Mounted Stainless Steel Body Air Cylinders

Mounting Style TRN

Single Acting

Spring Return

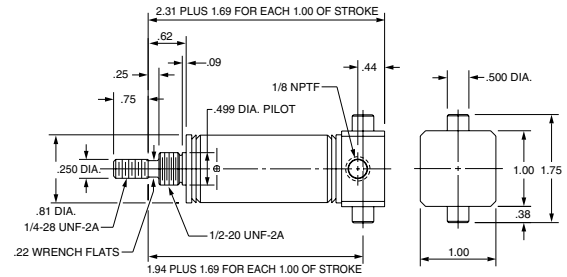
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TRR

Single Acting

Spring Extend

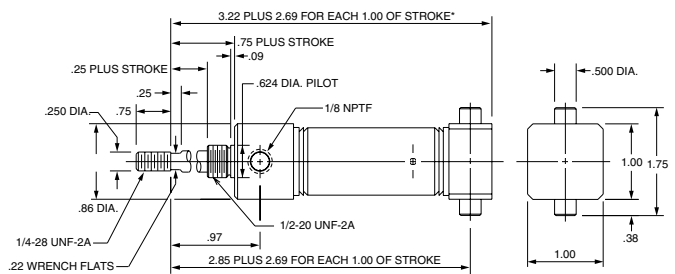
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style TFD

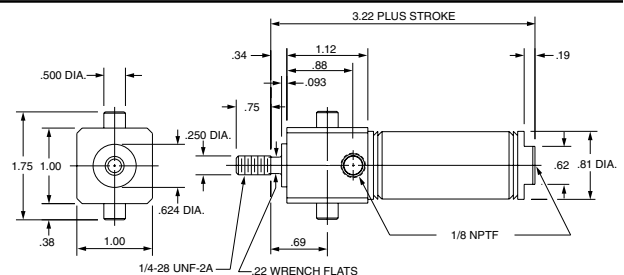
Double Acting

Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style TRD

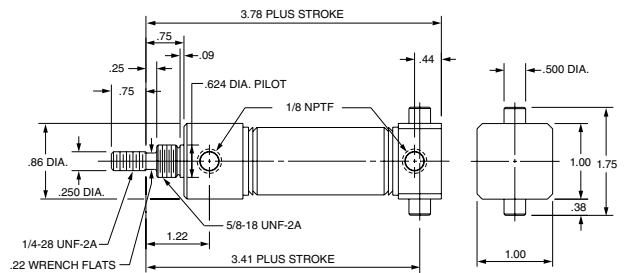
Double Acting

Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style TFN

Single Acting

Spring Return

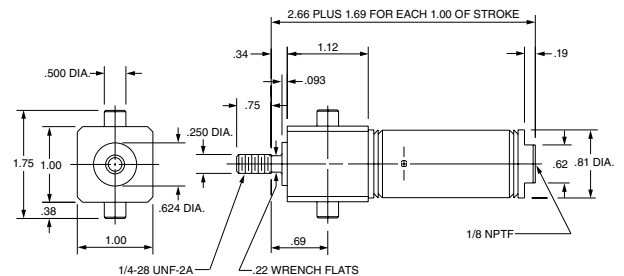
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TFR

Single Acting

Spring Extend

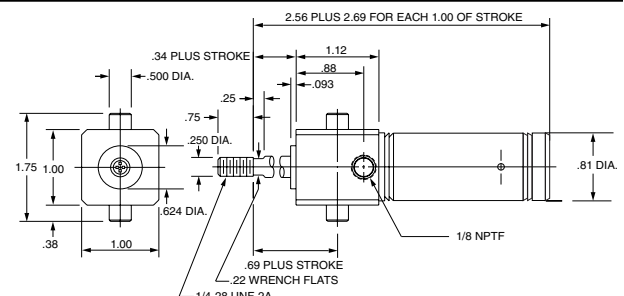
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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**ATLAS
CYLINDERS**

Series SS Stainless Steel Body Air Cylinders

7/8" Bore Size
Single Acting

Mounting Style N

Single Acting

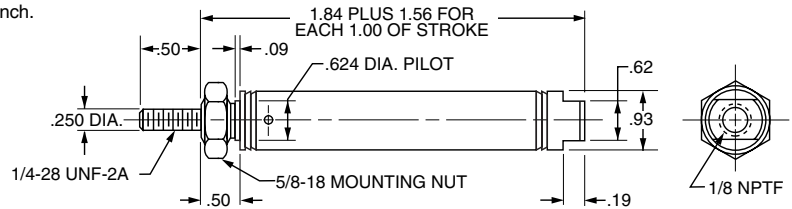
Spring Return

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0040 Foot Bracket

Mounting Style NR

Single Acting

Spring Return

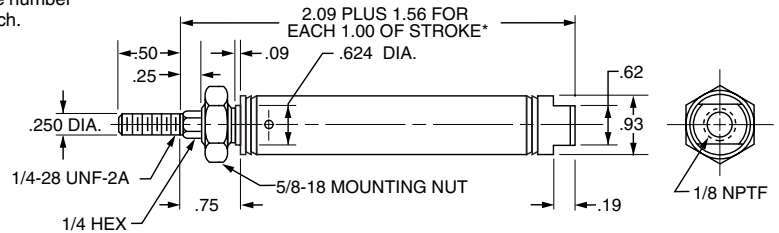
Non-Rotating Hex Rod

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0040 Foot Bracket

Mounting Style NRP

Single Acting

Spring Return

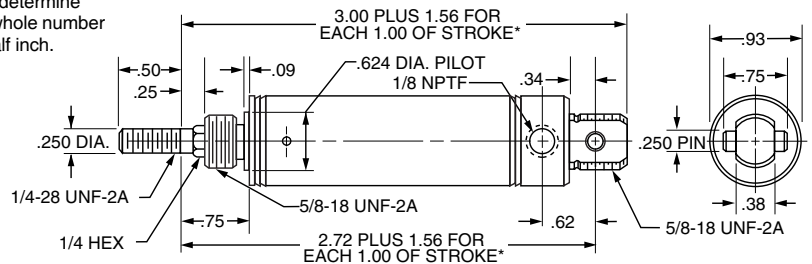
Non-Rotating Hex Rod

Rear Pivot Mounting

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0200 Rod Clevis
L0 7131 0200 Pivot Bracket

Mounting Style P

Single Acting

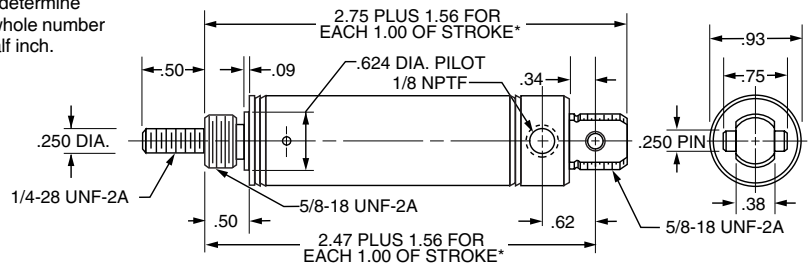
Spring Return

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0200 Rod Clevis
L0 7131 0200 Pivot Bracket

Mounting Style R

Single Acting

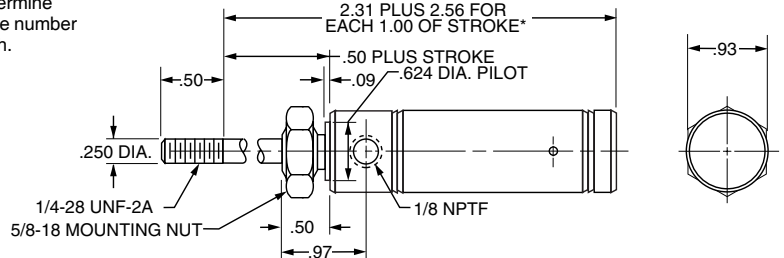
Spring Extend

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessory:

L0 7379 0040 Foot Bracket

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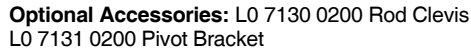
**ATLAS
CYLINDERS**

Series SS

Stainless Steel Body Air Cylinders

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

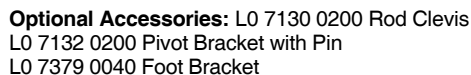
Maximum Stroke 6"



Maximum Stroke 12"



(Strokes over 12" must be supported at both ends)
Maximum Stroke 32"



Maximum Stroke 12"



Series SS Stainless Steel Body Air Cylinders

**1-1/16" Bore Size
Single Acting**

Mounting Style N

Single Acting

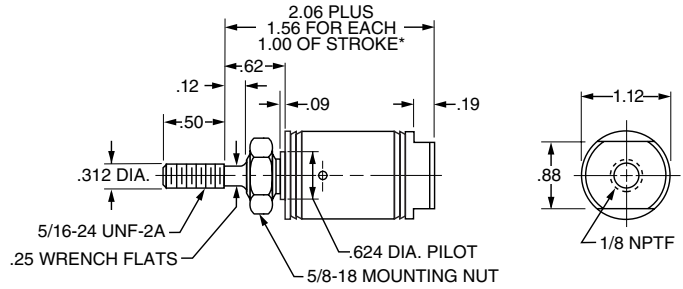
Spring Return

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0040 Foot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge). Specify when ordering.

Mounting Style NR

Single Acting

Spring Return

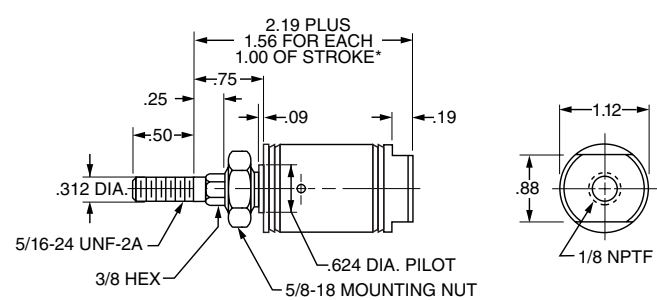
Front Nose Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0040 Foot Bracket

Mounting Style NRP

Single Acting

Spring Return

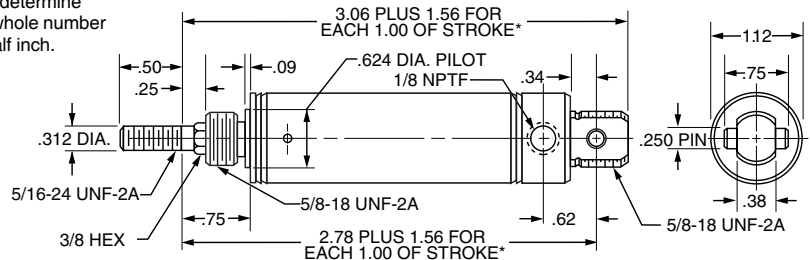
Rear Pivot Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

Mounting Style P

Single Acting

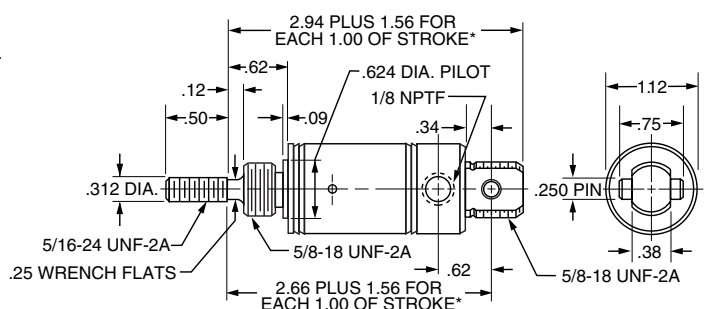
Spring Return

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

Mounting Style R

Single Acting

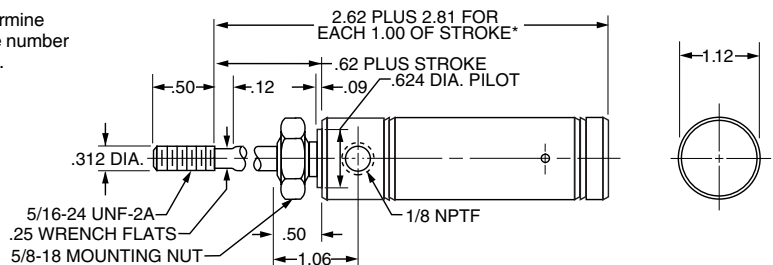
Spring Extend

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessory:

L0 7379 0040 Foot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge). Specify when ordering.

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**ATLAS
CYLINDERS**

**1-1/16" Bore Size
Single and Double Acting**

Series SS Stainless Steel Body Air Cylinders

Mounting Style RP

Single Acting

Spring Extend

Standard Stroke Lengths:

1/2", 1", 1 1/2", 2", 3", 4"

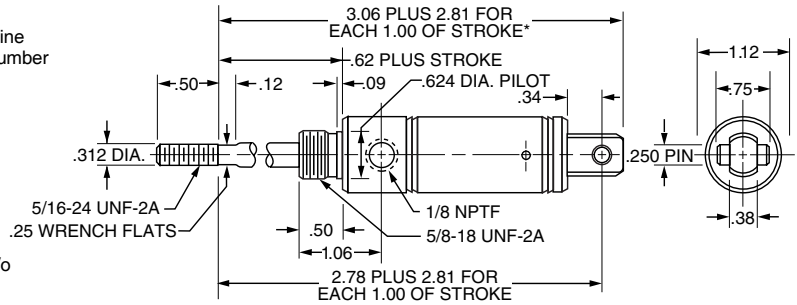
Maximum Stroke 6"

Optional Accessories:

L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

NOTE: Piston rod is available w/o wrench flat (at no extra charge). Specify when ordering.



Mounting Style D

Double Acting

Front Nose Mounting

Standard Stroke Lengths:

1/2", 1", 1 1/2", 2", 2 1/2", 3", 4",

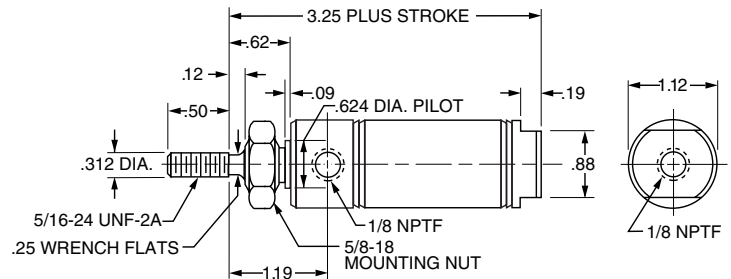
5", 6", 8", 10", 12"

Maximum Stroke 12"

Optional Accessory:

L0 7379 0040 Foot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge). Specify when ordering.



Mounting Style DP

Double Acting

Rear Pivot Mounting

Standard Stroke Lengths:

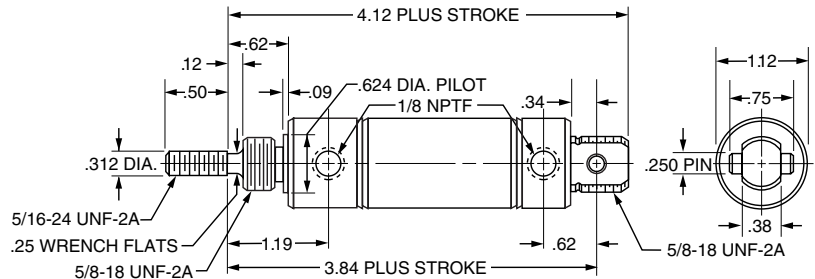
1/2", 1", 1 1/2", 2", 2 1/2", 3", 4",

5", 6", 8", 10", 12"

Maximum Stroke 32"

Optional Accessories: L0 7130 0300 Rod Clevis

L0 7131 0200 Pivot Bracket



Mounting Style DXP

Double Acting

Double End or Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 2 1/2",

3", 4", 5", 6", 8", 10", 12"

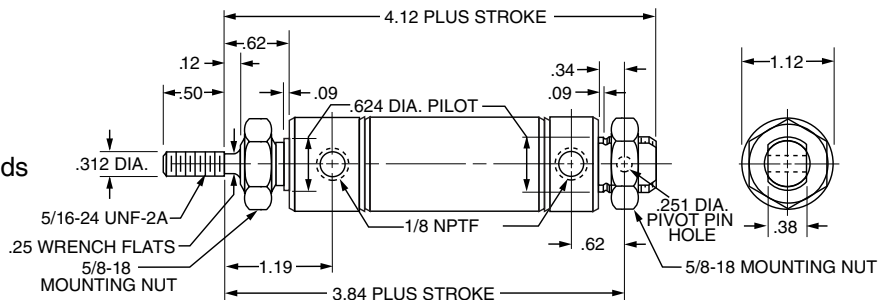
Strokes over 12" must be supported at both ends

Maximum Stroke 32"

Optional Accessories: L0 7379 0040 Foot Bracket

L0 7130 0300 Rod Clevis

L0 7132 0200 Pivot Bracket



Mounting Style KDX

Double Acting

Double End Mounting — Double Rod

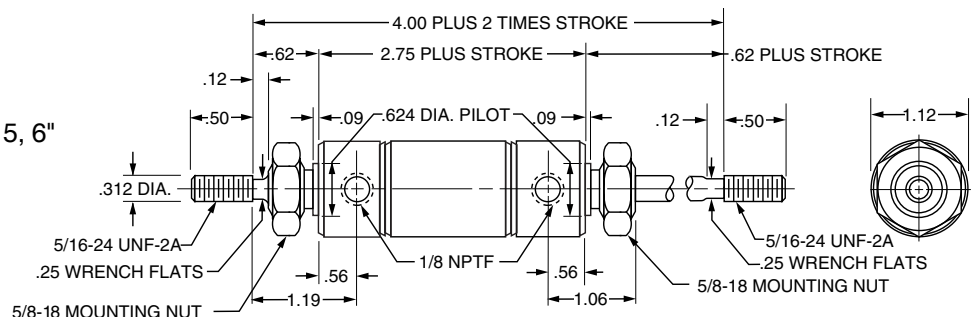
Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5, 6"

Maximum Stroke 12"

Optional Accessory:

L0 7379 0040 Foot Bracket



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ATLAS CYLINDERS

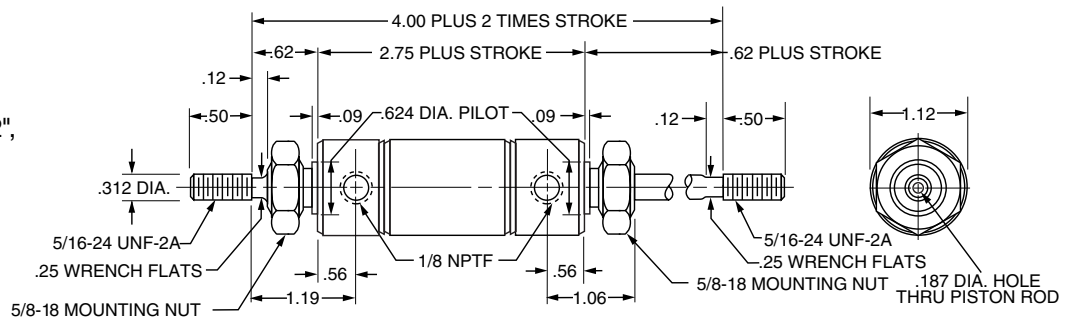
Series SS Stainless Steel Body Air Cylinders

1-1/16" Bore Size
Double Acting and Adjustable
Stroke Single Acting

Mounting Style KDXH

Double Acting

Double End Mounting
Double Hollow Rod
Standard Stroke Lengths: 1", 2",
3", 4", 5", 6"
Maximum Stroke 12"

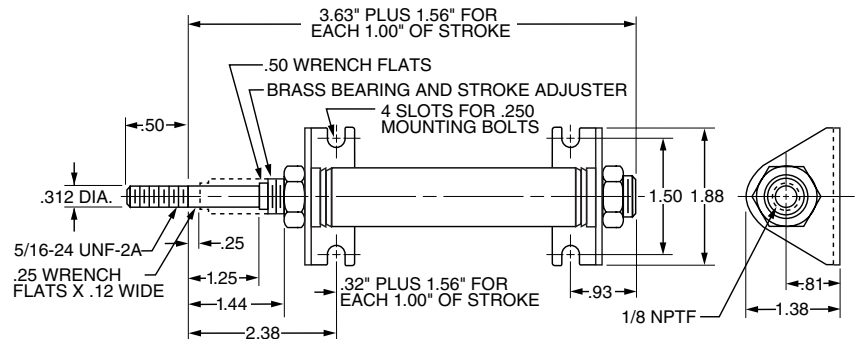


Optional Accessory:
L0 7379 0040 Foot Bracket

Mounting Style A

Adjustable Stroke — Single Acting

Spring Return — Double End Mounting
Stroke Adjustment in 1" Increments to 3"
1" Stroke Adjusts 0"-1", 2"
Stroke 1"-2", and 3" Stroke 2"-3"
Maximum Stroke 6"
Includes Mtg. Brackets



NOTE: Piston rod is available w/o wrench flat (at no extra charge). Specify when ordering.

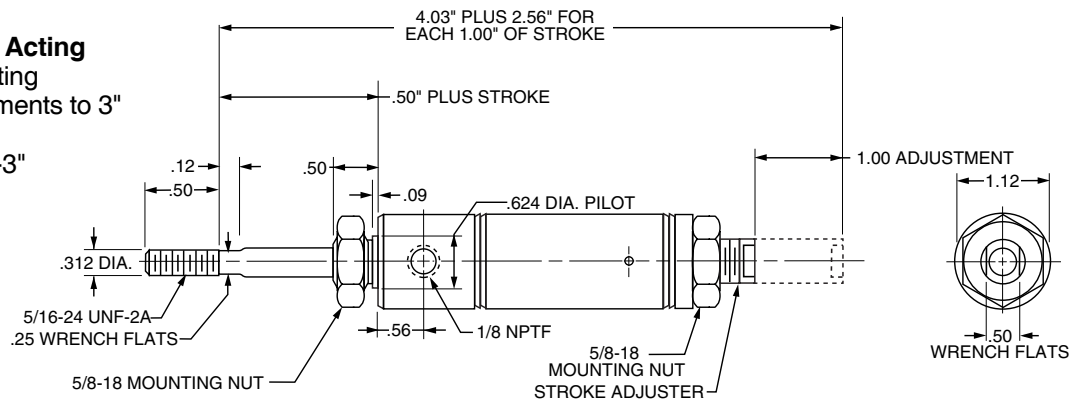
Mounting Style RA

Adjustable Stroke — Single Acting

Spring Extend — Nose Mounting
Stroke Adjustment in 1" Increments to 3"
1" Stroke Adjusts 0"-1", 2"
Stroke 1"-2", and 3" Stroke 2"-3"
Maximum Stroke 6"
Spring Load Normal 3 lbs.
Spring Load Retracted 6 lbs.

Optional Accessory:
L07379 0040 Foot Bracket

NOTE: Piston rod is available
w/o wrench flat (at no extra charge).
Specify when ordering.

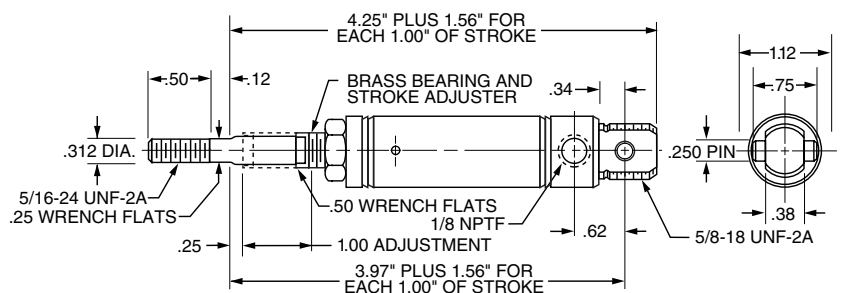


Mounting Style AP

Adjustable Stroke — Single Acting

Spring Return — Rear Pivot Mounting
Stroke Adjustment in 1" Increments to 3"
1" Stroke Adjusts 0"-1", 2"
Stroke 1"-2", and 3" Stroke 2"-3"
Maximum Stroke 6"

Optional Accessories: L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket



NOTE: Piston rod is available
w/o wrench flat (at no extra charge).
Specify when ordering.

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**ATLAS
CYLINDERS**

**1-1/16" Bore Size
Single and Double Acting**

Series SS Block Mounted Stainless Steel Body Air Cylinders

Mounting Style BRN

Single Acting

Spring Return

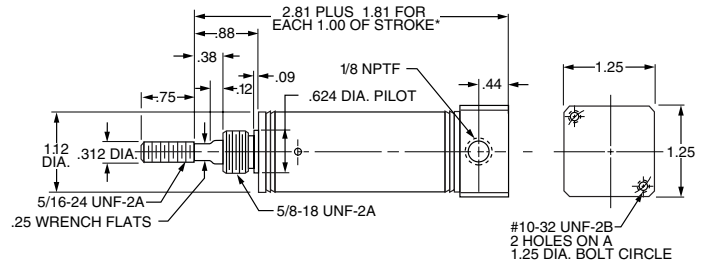
Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style BRR

Single Acting

Spring Extend

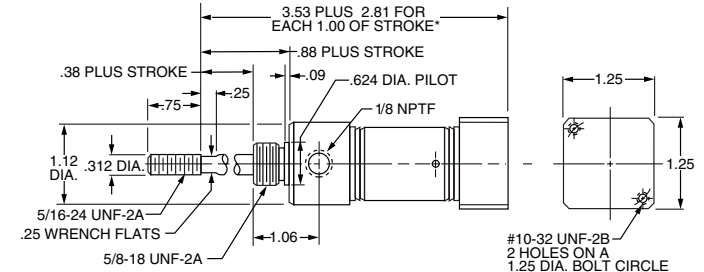
Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style BFD

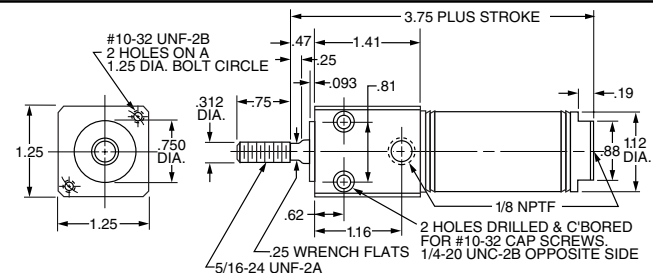
Double Acting

Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style BRD

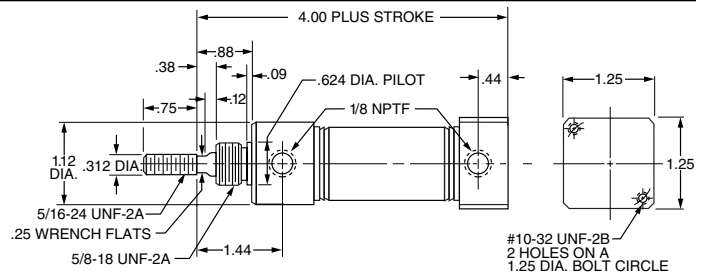
Double Acting

Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 12"



Mounting Style BFN

Single Acting

Spring Return

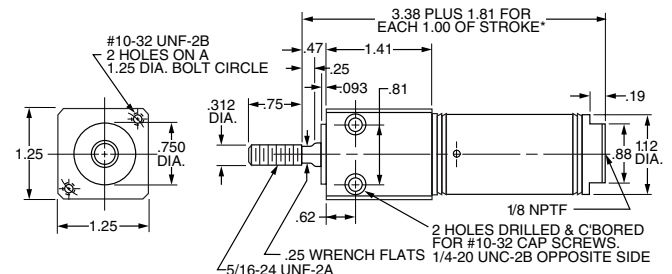
Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style BFR

Single Acting

Spring Extend

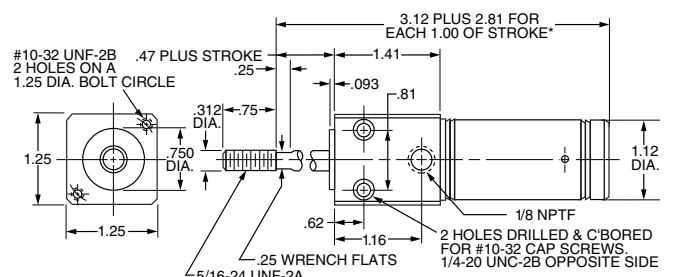
Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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**ATLAS
CYLINDERS**

Series SS Trunnion Mounted Stainless Steel Body Air Cylinders

**1-1/16" Bore Size
Single and Double Acting**

Mounting Style TRN

Single Acting

Spring Return

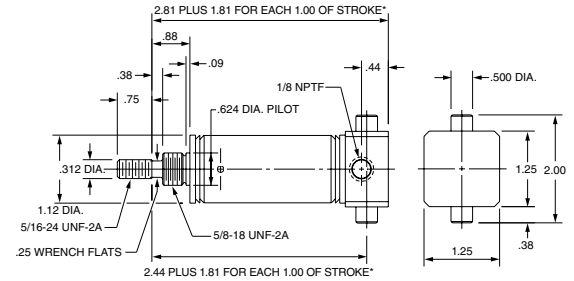
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TRR

Single Acting

Spring Extend

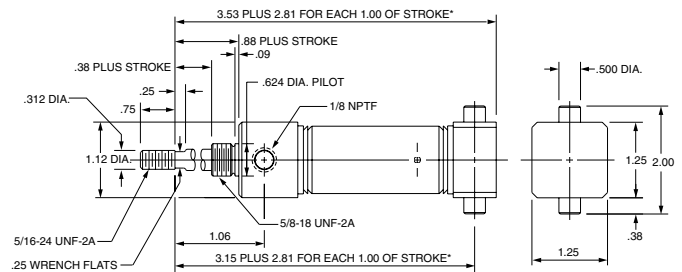
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style TFD

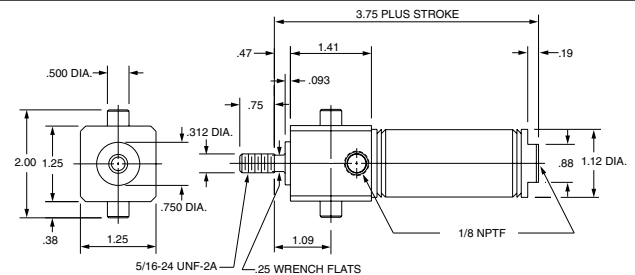
Double Acting

Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style TRD

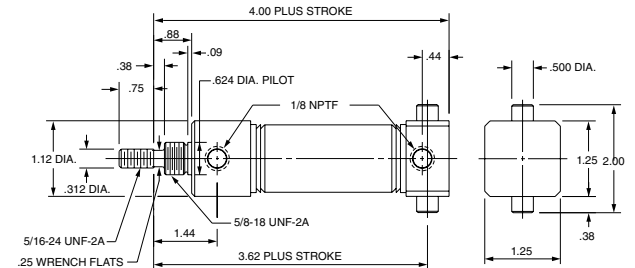
Double Acting

Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 12"



Mounting Style TFN

Single Acting

Spring Return

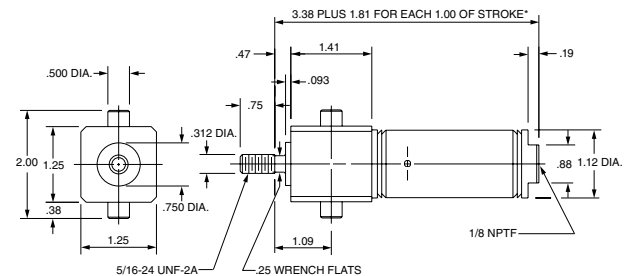
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TFR

Single Acting

Spring Extend

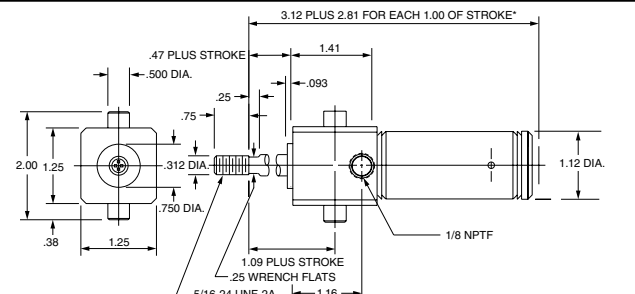
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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**ATLAS
CYLINDERS**

**1-1/4" Bore Size
Single Acting**

Series SS Stainless Steel Body Air Cylinders

Mounting Style N

Single Acting

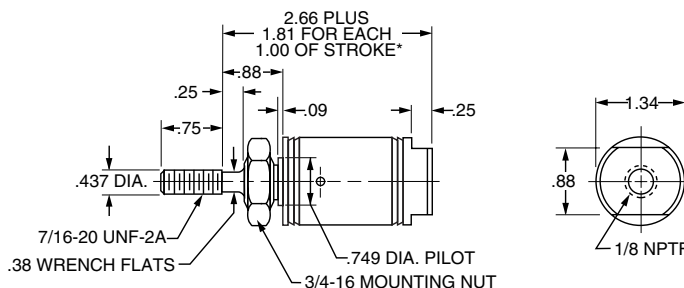
Spring Return

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

Mounting Style NR

Single Acting

Spring Return

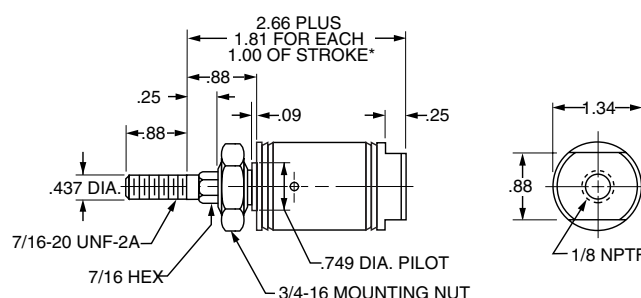
Front Nose Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

Mounting Style NRP

Single Acting

Spring Return

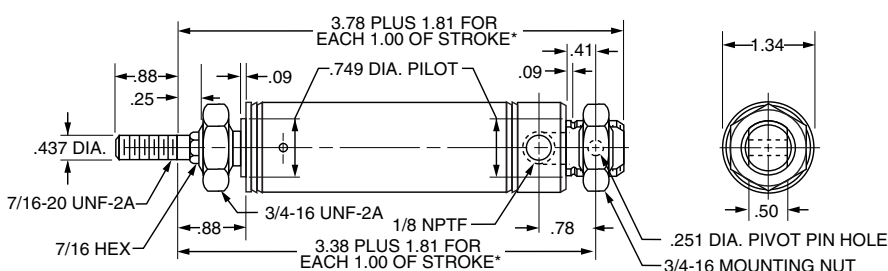
Double End or Rear Pivot Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0400 Rod Clevis

L0 7132 0300 Pivot Bracket with Pin

L0 7379 0048 Foot Bracket

Mounting Style P

Single Acting

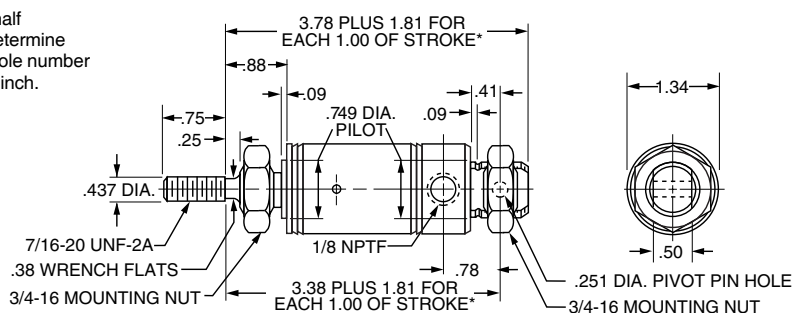
Spring Return

Double End or Rear Pivot Mounting

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0400 Rod Clevis

L0 7132 0300 Pivot Bracket with Pin

L0 7379 0048 Foot Bracket

Mounting Style R

Single Acting

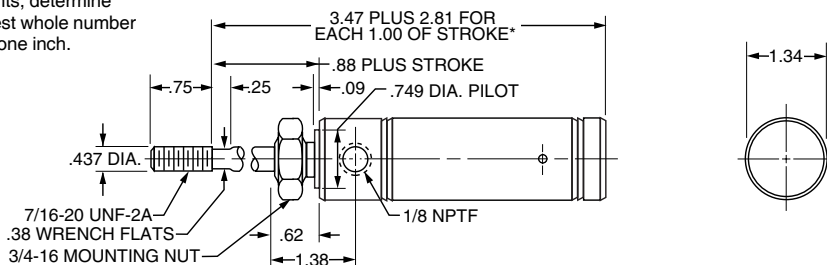
Spring Extend

Front Nose Mounting

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

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ATLAS CYLINDERS

Series SS Stainless Steel Body Air Cylinders

1-1/4" Bore Size
Single and Double Acting

Mounting Style RP

Single Acting

Spring Extend

Rear Pivot Mounting

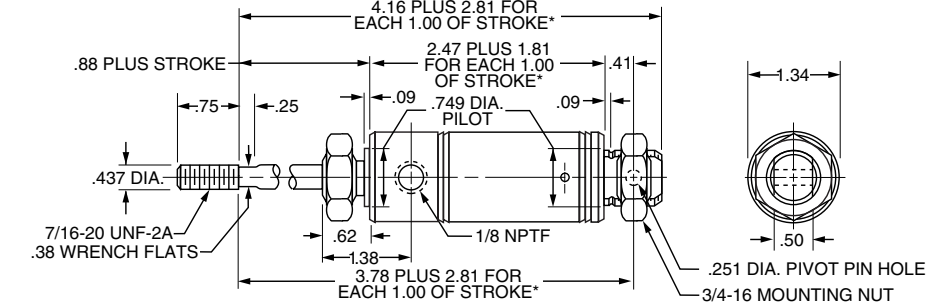
Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

Optional Accessories: L0 7130 0400 Rod Clevis

L0 7132 0300 Pivot Bracket with Pin

L0 7379 0048 Foot Bracket



* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

Mounting Style D

Double Acting

Front Nose Mounting

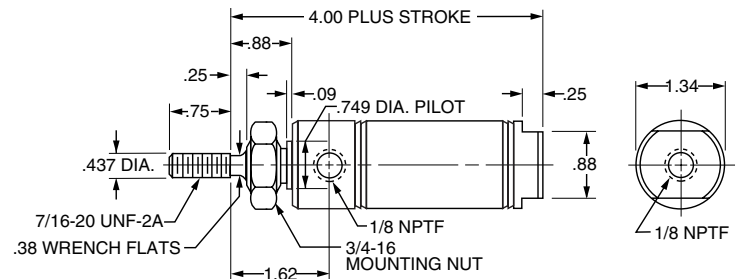
Standard Stroke Lengths:

1", 2", 3", 4", 5", 6"

Maximum Stroke 12"

Optional Accessory:

L0 7379 0048 Foot Bracket



Mounting Style DXP

Double Acting

Double End or Rear Pivot Mounting

Standard Stroke Lengths: 1", 2", 3", 4",

5", 6", 7", 8", 10", 12"

Strokes over 12" must be supported at both ends

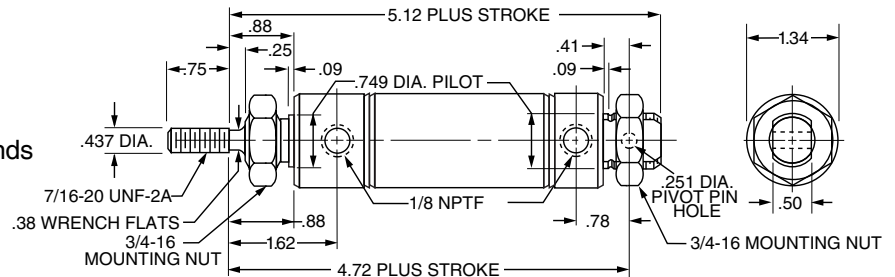
Maximum Stroke 32"

Optional Accessories:

L0 7130 0400 Rod Clevis

L0 7132 0300 Pivot Bracket with Pin

L0 7379 0048 Foot Bracket



Mounting Style KDX

Double Acting

Double End Mounting

Double Rod

Stainless Steel Rod Standard

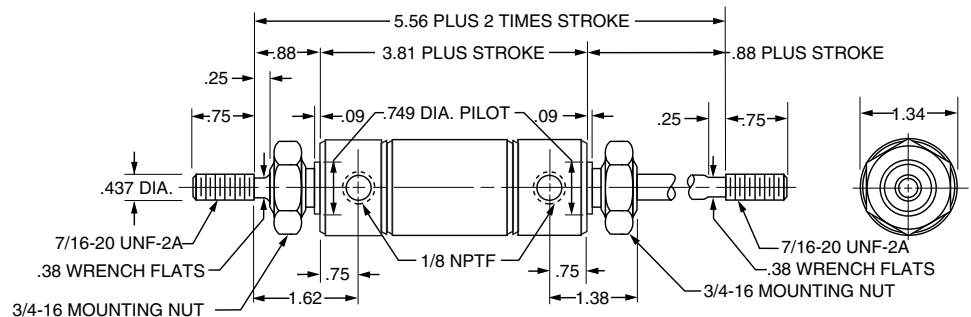
Standard Stroke Lengths: 1", 2",

3", 4", 5", 6"

Maximum Stroke 12"

Optional Accessory:

L0 7379 0048 Foot Bracket



Mounting Style KDXH

Double Acting

Double End Mounting

Double Hollow Rod

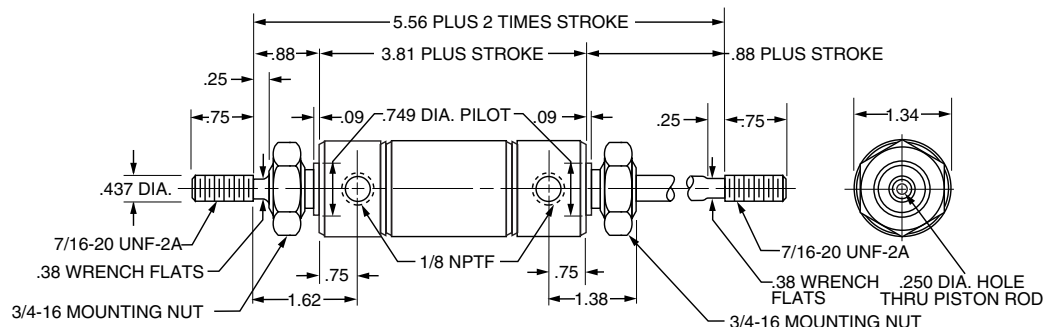
Standard Stroke Lengths: 1", 2",

3", 4", 5", 6"

Maximum Stroke 12"

Optional Accessory:

L0 7379 0048 Foot Bracket



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**ATLAS
CYLINDERS**

**1-1/2" Bore Size
Single Acting**

Series SS Stainless Steel Body Air Cylinders

Mounting Style N

Single Acting

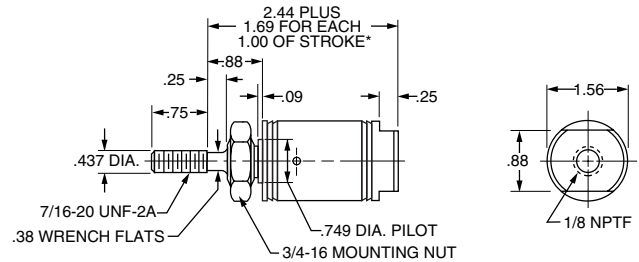
Spring Return

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

Mounting Style NR

Single Acting

Spring Return

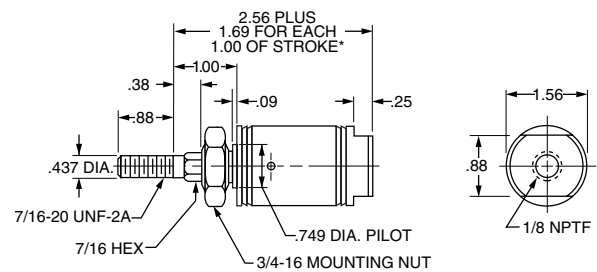
Front Nose Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

Mounting Style NRP

Single Acting

Spring Return

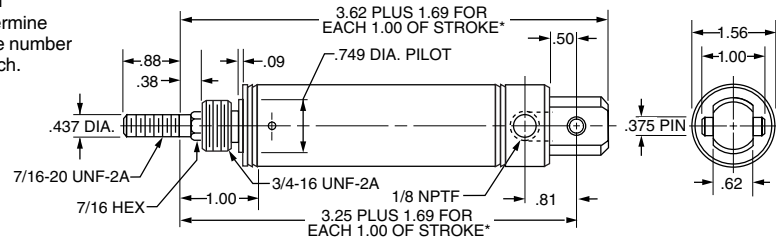
Rear Pivot Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0400 Rod Clevis
L0 7131 0300 Pivot Bracket

Mounting Style P

Single Acting

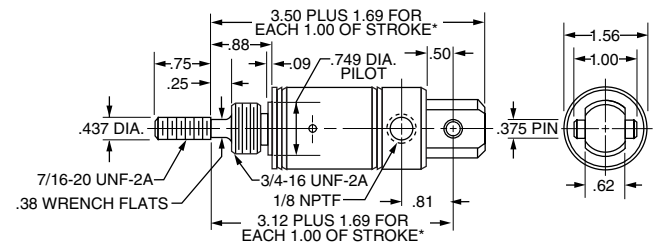
Spring Return

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0400 Rod Clevis
L0 7131 0300 Pivot Bracket

Mounting Style R

Single Acting

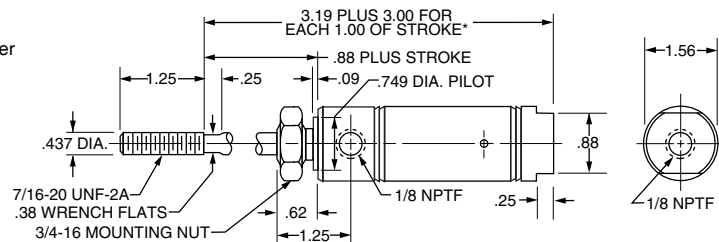
Spring Extend

Front Nose Mounting

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

Mounting Style RP

Single Acting

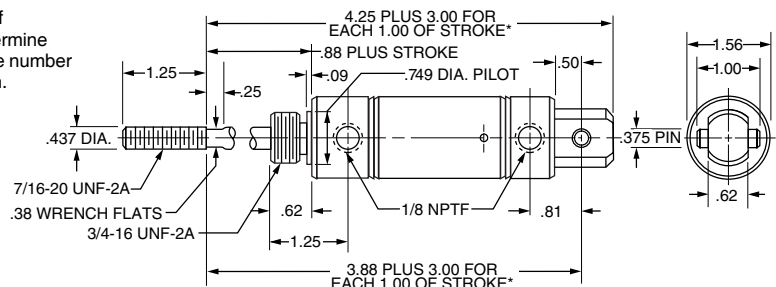
Spring Extend

Rear Pivot Mounting

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessories:

L0 7130 0400 Rod Clevis
L0 7131 0300 Pivot Bracket

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**ATLAS
CYLINDERS**

Series SS Stainless Steel Body Air Cylinders

**1-1/2" Bore Size
Double Acting**

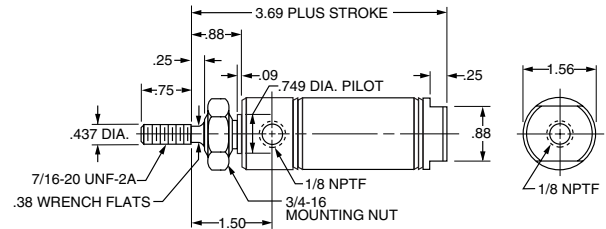
Mounting Style D

Double Acting

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3",
4", 5", 6", 8", 10", 12"

Maximum Stroke 12"



Optional Accessory:

L0 7379 0048 Foot Bracket

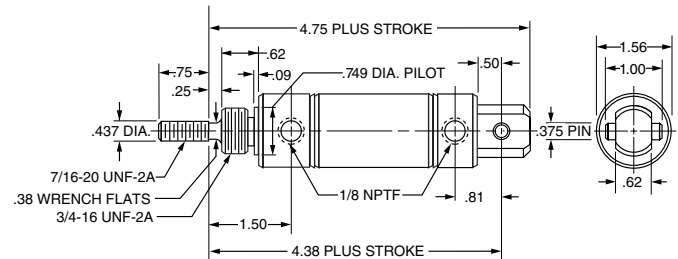
Mounting Style DP

Double Acting

Rear Pivot Mounting

Standard Stroke Lengths: 1", 2", 3", 4",
5", 6", 8", 10", 12"

Maximum Stroke 12"



Optional Accessories:

L0 7130 0400 Rod Clevis

L0 7131 0300 Pivot Bracket

Mounting Style DX

Double Acting

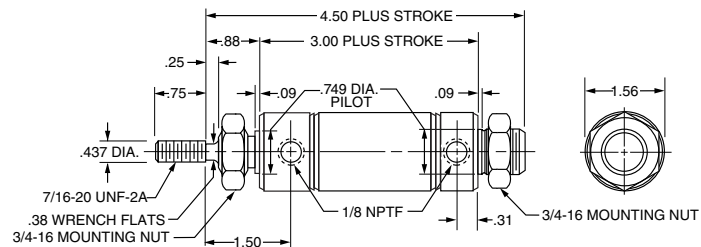
Double End Mounting

Standard Stroke Lengths: 1", 2", 3", 4",
5", 6", 8", 10", 12"

Strokes over 12" must be supported at both ends
Maximum Stroke 32"

Optional Accessories:

L0 7379 0048 Foot Bracket



Mounting Style DXP

Double Acting

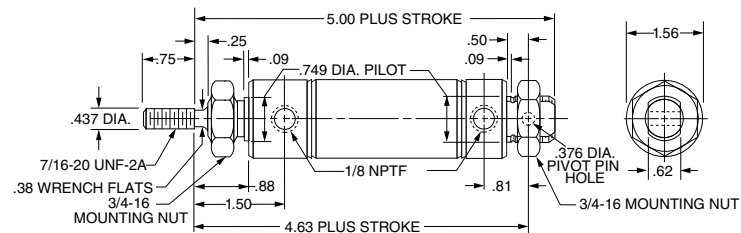
Double End Mounting

Strokes over 12" must be supported at both ends
Maximum Stroke 32"

Optional Accessories:

L0 7132 0400 Pivot Bracket with pin

L0 7130 0400 Rod Clevis



Mounting Style KDX

Double Acting

Double End Mounting

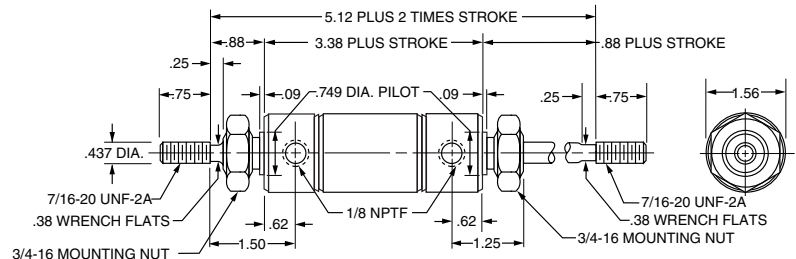
Double Rod

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

Optional Accessory:

L0 7379 0048 Foot Bracket



Mounting Style KDXH

Double Acting

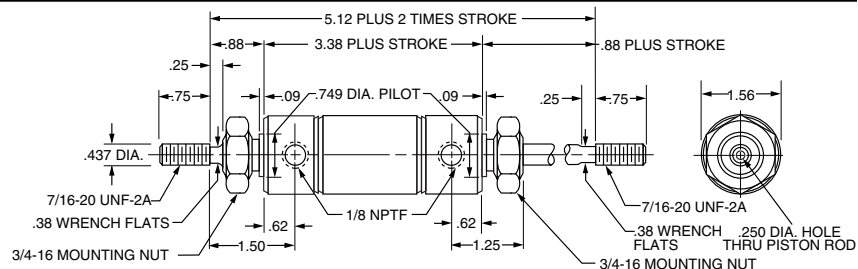
Double End Mounting

Double Hollow Rod

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

Optional Accessory:

L0 7379 0048 Foot Bracket



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**ATLAS
CYLINDERS**

Series SS

Stainless Steel Body Air Cylinders

Spring Load Extended 18 lbs.



Series SS Block Mounted Stainless Steel Body Air Cylinders

**1-1/2" Bore Size
Single and Double Acting**

Mounting Style BRN

Single Acting

Spring Return

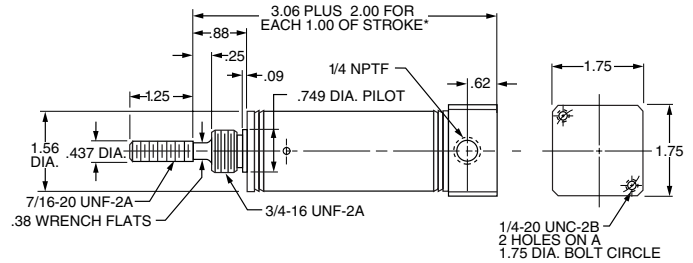
Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style BRR

Single Acting

Spring Extend

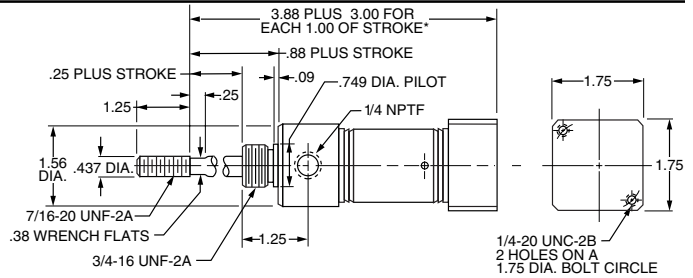
Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style BFD

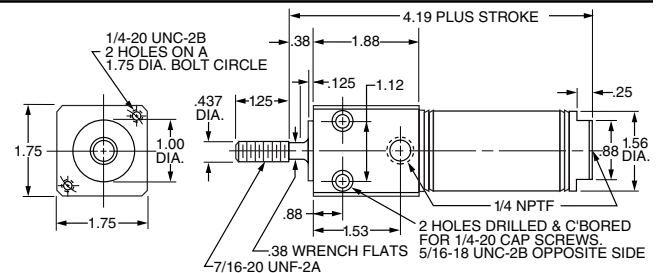
Double Acting

Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style BRD

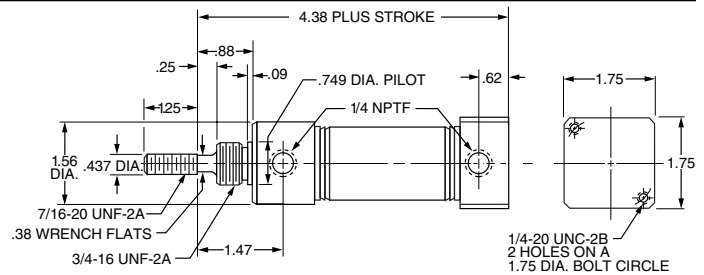
Double Acting

Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style BFN

Single Acting

Spring Return

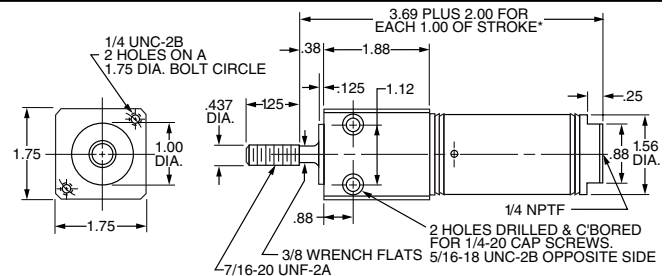
Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style BFR

Single Acting

Spring Extend

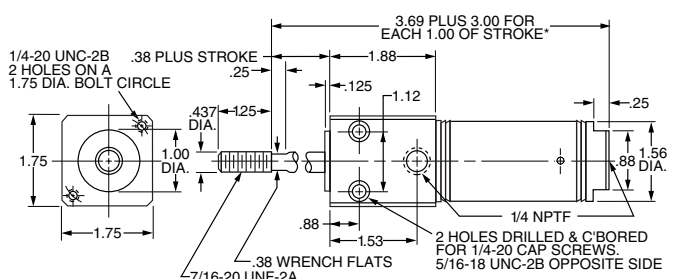
Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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**ATLAS
CYLINDERS**

1-1/2" Bore Size
Single and Double Acting

Series SS Trunnion Mounted Stainless Steel Body Air Cylinders

Mounting Style TRN

Single Acting

Spring Return

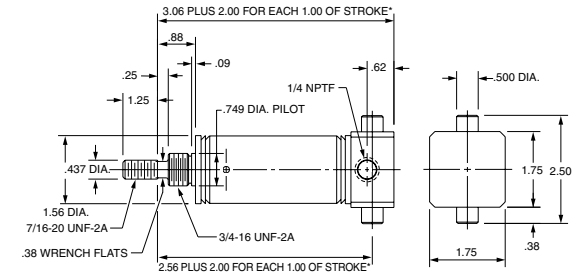
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TRR

Single Acting

Spring Extend

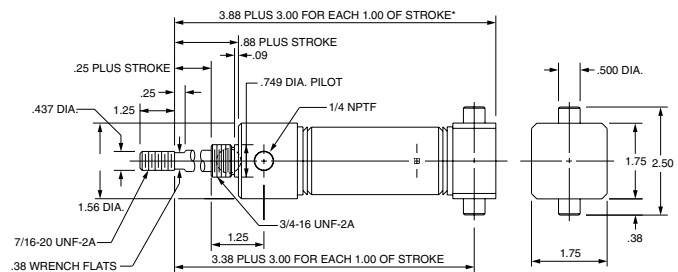
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style TFD

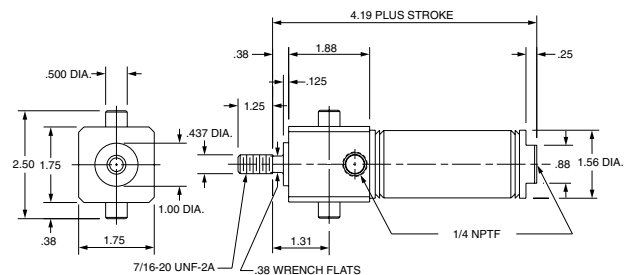
Double Acting

Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style TRD

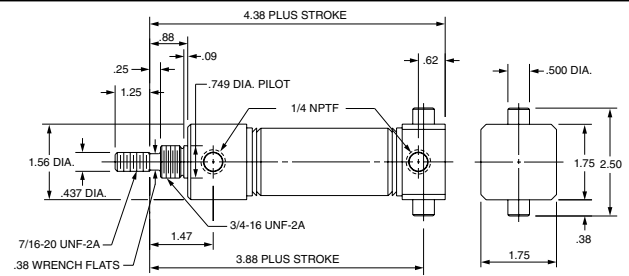
Double Acting

Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style TFN

Single Acting

Spring Return

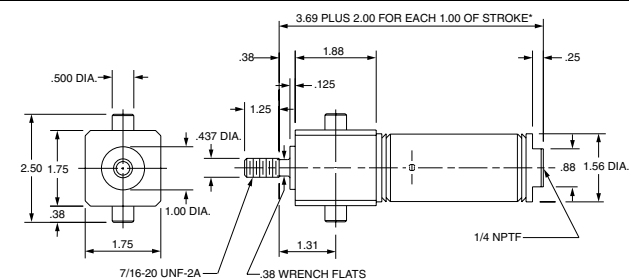
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TFR

Single Acting

Spring Extend

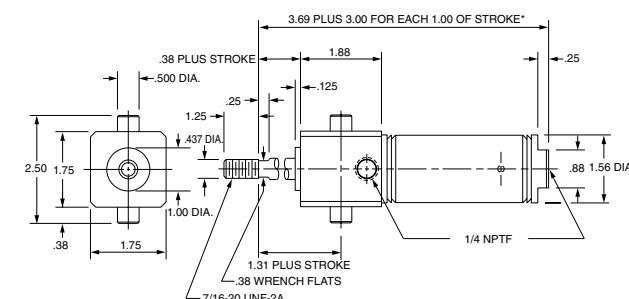
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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ATLAS
CYLINDERS

Series SS Stainless Steel Body Air Cylinders

**1-3/4" Bore Size
Single Acting**

Mounting Style N

Single Acting

Spring Return

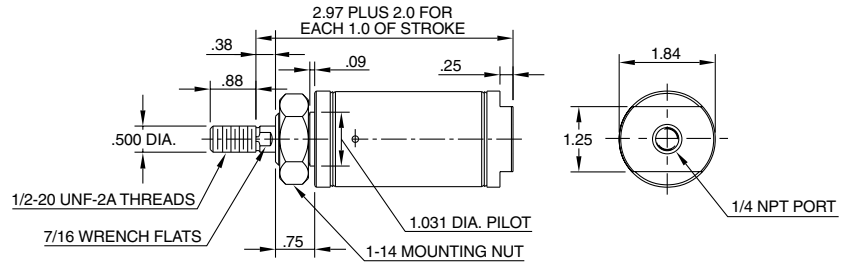
Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

Maximum Stroke 6"

Optional Accessory:

L0 7379 0102 Foot Bracket



Mounting Style NR

Single Acting

Spring Return

Front Nose Mounting

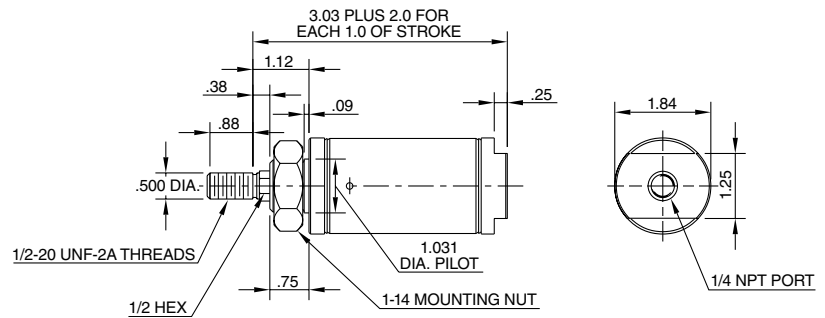
Non-Rotating Hex Rod

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

Maximum Stroke 6"

Optional Accessory:

L0 7379 0102 Foot Bracket



Mounting Style NRP

Single Acting

Spring Return

Rear Pivot or Double End Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 2 1/2", 3", 4"

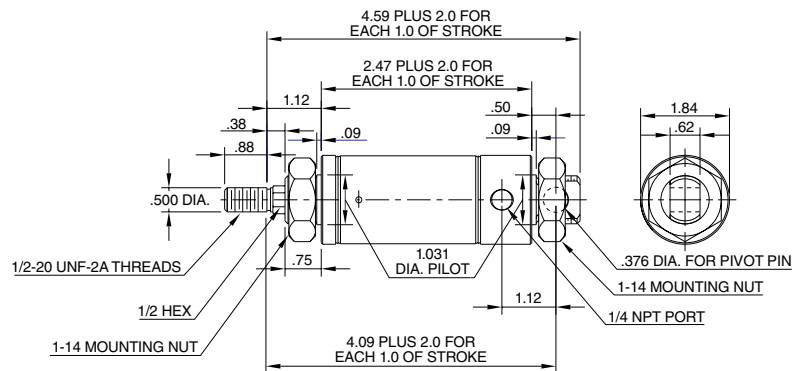
Maximum Stroke 6"

Optional Accessories:

L0 7130 0500 Rod Clevis

L0 7132 0400 Pivot Brackets

L0 7379 0102 Foot Bracket



Mounting Style P

Single Acting

Spring Return

Double End or Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

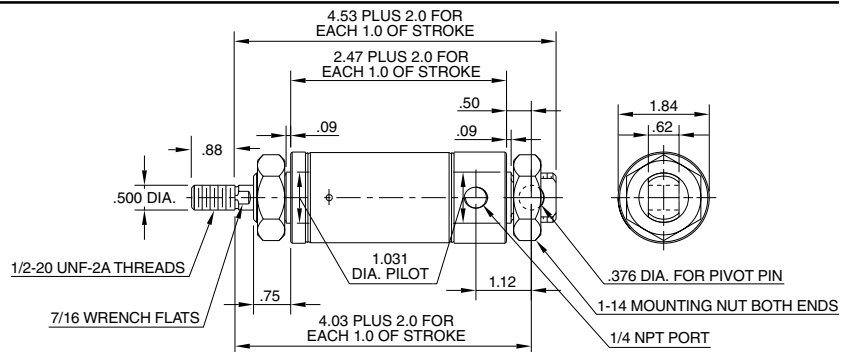
Maximum Stroke 6"

Optional Accessories:

L0 7130 0500 Rod Clevis

L0 7132 0400 Pivot Brackets

L0 7379 0102 Foot Bracket



Mounting Style R

Single Acting

Spring Extend

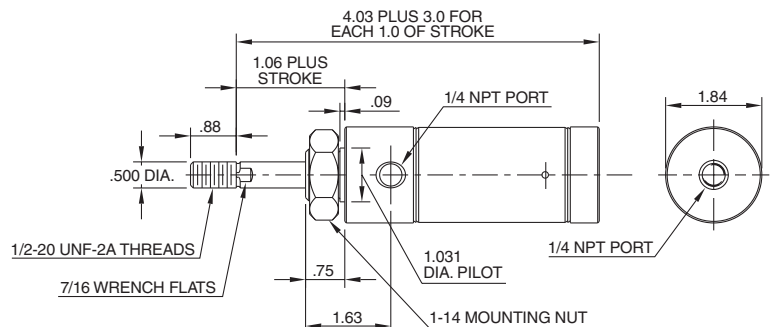
Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

Maximum Stroke 6"

Optional Accessory:

L0 7379 0102 Foot Bracket



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**ATLAS
CYLINDERS**

1-3/4" Bore Size
Double Acting

Series SS Stainless Steel Body Air Cylinders

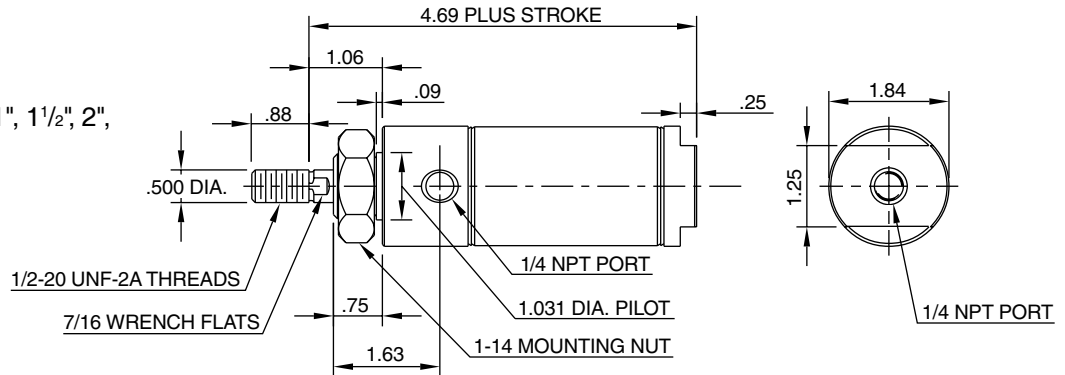
Mounting Style D

Double Acting

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
 2 1/2", 3", 4", 5", 6"

Maximum Stroke 12"



Optional Accessory:

L0 7379 0102 Foot Bracket

Mounting Style DXP

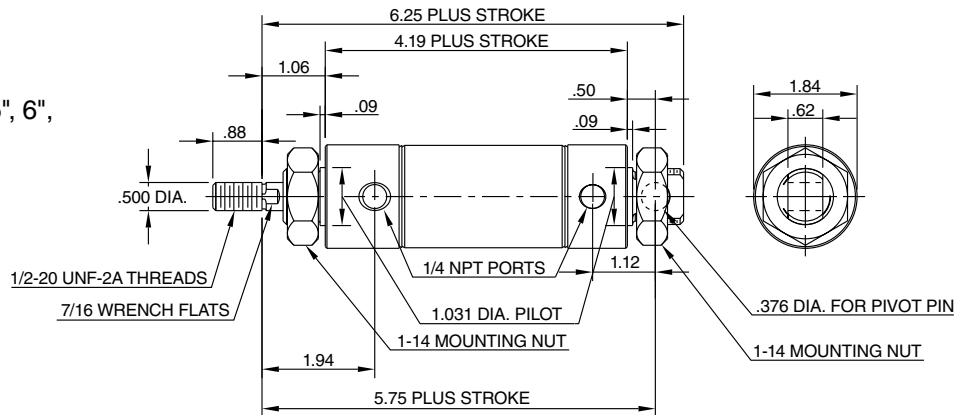
Double Acting

Double End Mounting

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6",
 8", 10", 12"

Maximum Stroke 32"

Strokes over 12" must be supported at
 both ends



Optional Accessories:

L0 7130 0500 Piston Rod Clevis

L0 7132 0400 Pivot Brackets

L0 7379 0102 Foot Bracket

Mounting Style KDX

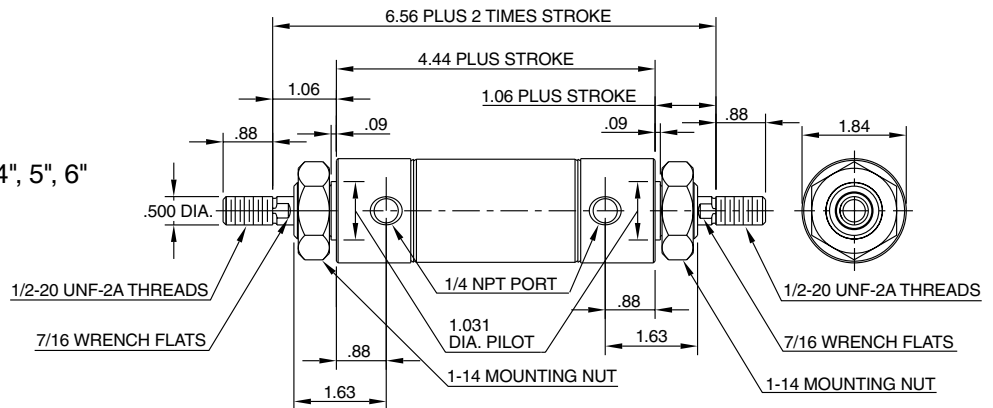
Double Acting

Double End Mounting

Double Rod

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
 Maximum Stroke 12"



Optional Accessory:

L0 7379 0102 Foot Bracket

Mounting Style KDXH

Double Acting

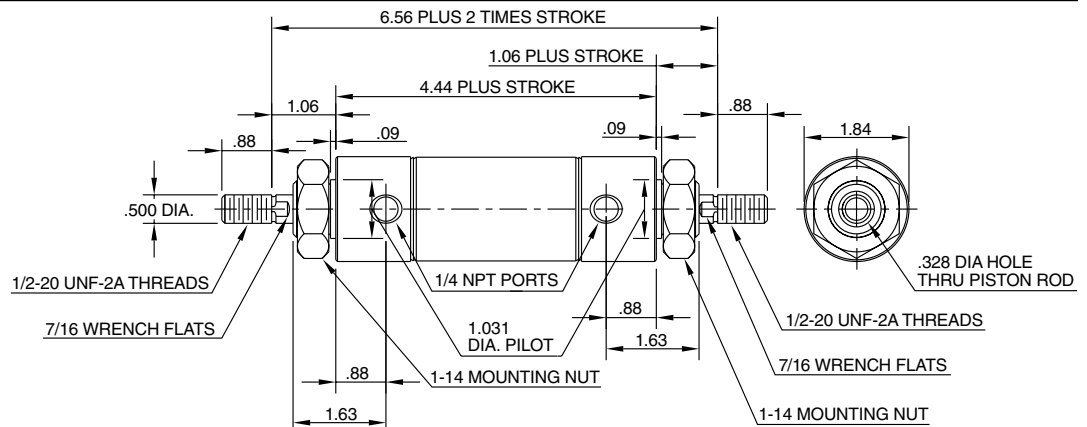
Double End Mounting

Double Hollow Rod

Standard Stroke Lengths:

1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Optional Accessory:

L0 7379 0102 Foot Bracket

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 ■ Plymouth, MI
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**ATLAS
CYLINDERS**

Series SS Stainless Steel Body Air Cylinders

**2" Bore Size
Single Acting**

Mounting Style N

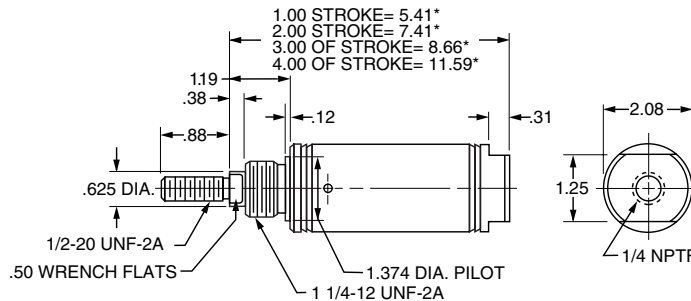
Single Acting

Spring Return

Front Nose Mounting

Maximum Stroke 4"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style P

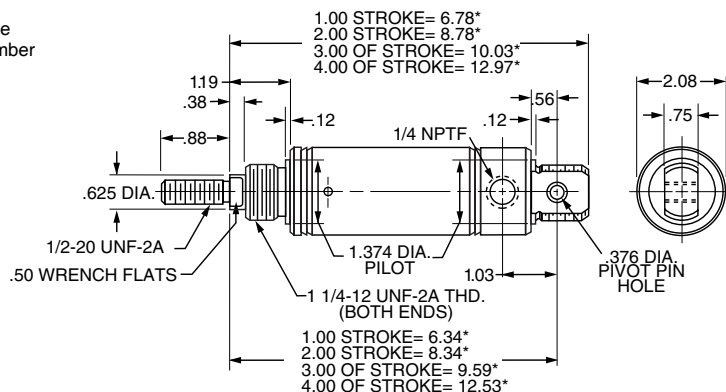
Single Acting

Spring Return

Double End or Rear Pivot Mounting

Maximum Stroke 4"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories: L0 7130 0500 Rod Clevis
L0 7132 0500 Pivot Bracket
L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style R

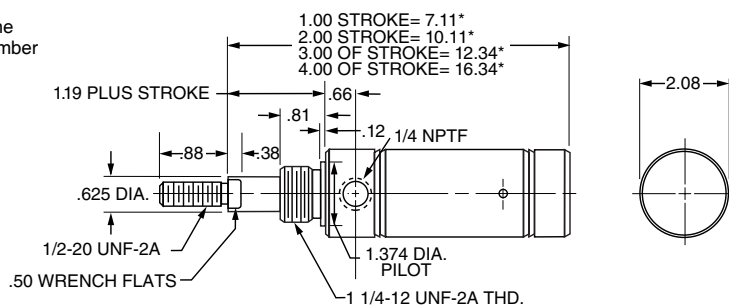
Single Acting

Spring Extend

Front Nose Mounting

Maximum Stroke 4"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style RP

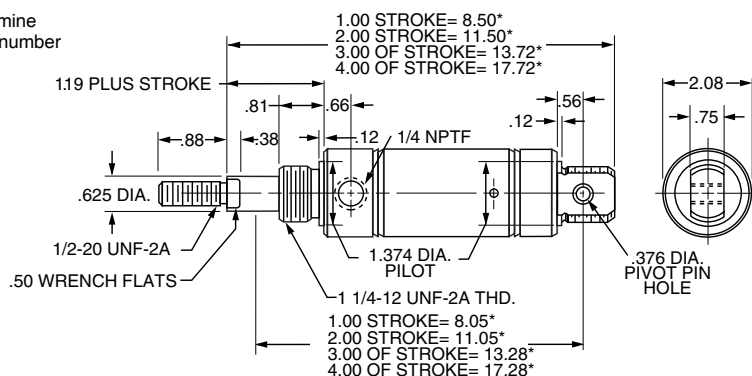
Single Acting

Spring Extend

Rear Pivot Mounting

Maximum Stroke 4"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessories: L0 7130 0500 Rod Clevis
L0 7132 0500 Pivot Bracket
L0 7379 0124 Foot Bracket
L0 7379 1200 Mounting Nut

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**ATLAS
CYLINDERS**

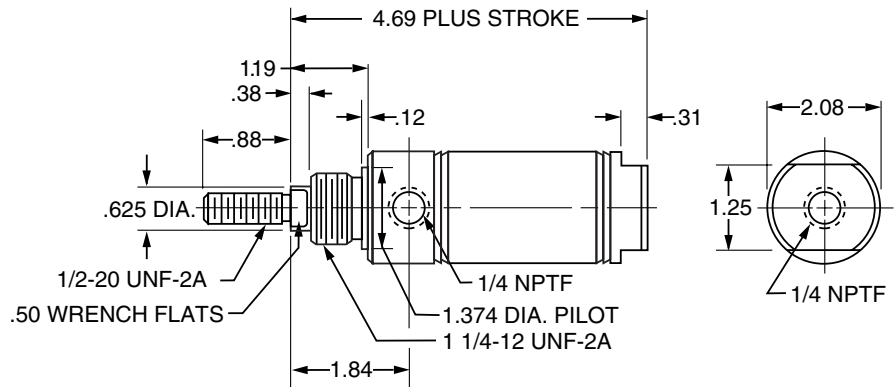
**2" Bore Size
Double Acting**

Series SS Stainless Steel Body Air Cylinders

Mounting Style D

Double Acting

Front Nose Mounting
Maximum Stroke 12"

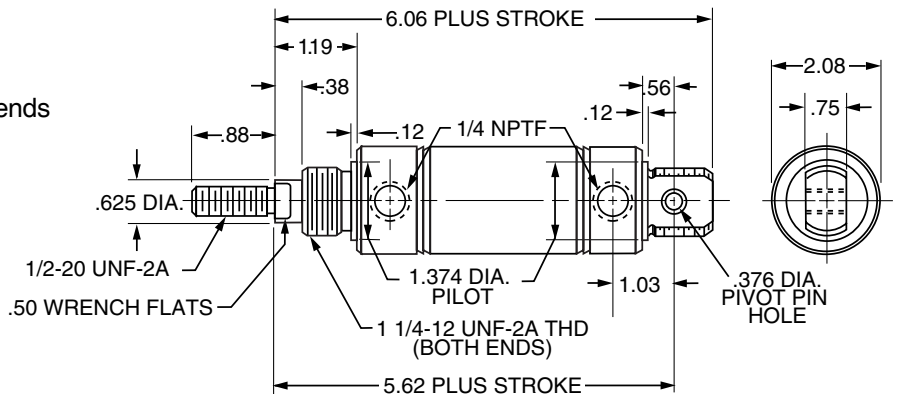


Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style DXP

Double Acting

Double End or Rear Pivot Mounting
Strokes over 12" must be supported at both ends
Maximum Stroke 32"

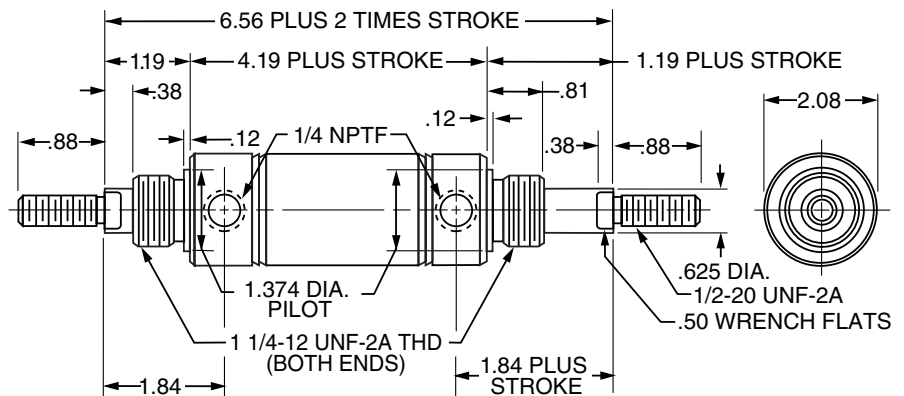


Optional Accessories: L0 7132 0500 Rod Clevis
L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style KDX

Double Acting

Double End Mounting
Double Rod
Stainless Steel Rod Standard
Maximum Stroke 12"



Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

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■ Goodland, IN
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■ Plymouth, MI
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■ Akron, OH
330/253-4500
■ Portland, OR
503/285-0884

■ Owen Sound, Ont. Can
519/376-2691
■ Toronto, Ont. Can.
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**ATLAS
CYLINDERS**

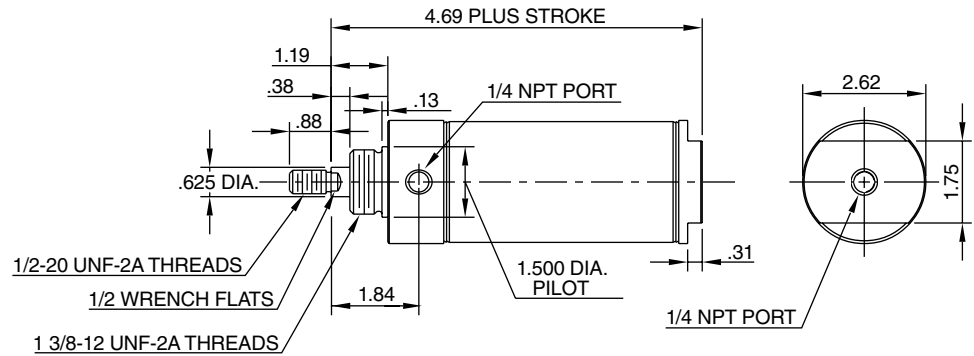
Series SS Stainless Steel Body Air Cylinders

2-1/2" Bore Size
Double Acting

Mounting Style D

Double Acting

Front Nose Mounting
Maximum Stroke 12"



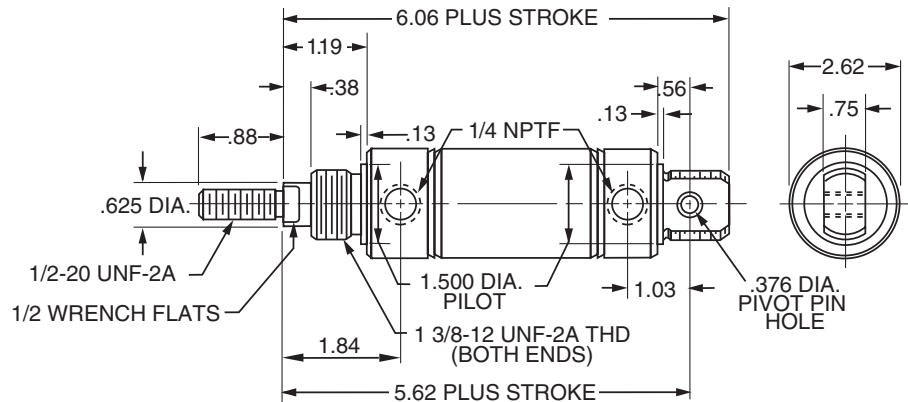
Optional Accessories:

L0 7139 0132 Foot Bracket
L0 7380 1400 Mounting Nut

Mounting Style DXP

Double Acting

Double End or Rear Pivot Mounting
Strokes over 12" must be supported
at both ends
Maximum Stroke 32"



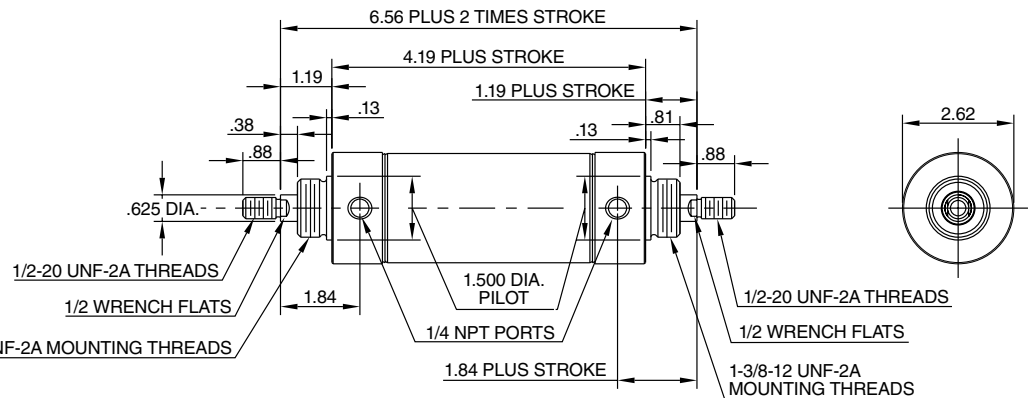
Optional Accessories:

L0 7130 0500 Rod Clevis
L0 7379 0132 Foot Bracket
L0 7132 0500 Pivot Brackets
L0 7380 1400 Mounting Nut

Mounting Style KDX

Double Acting

Double End Mounting
Double Rod
Stainless Steel Rod Standard
Maximum Stroke 12"



Optional Accessories:

L0 7379 0132 Foot Bracket
L0 7380 1400 Mounting Nut

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**ATLAS
CYLINDERS**

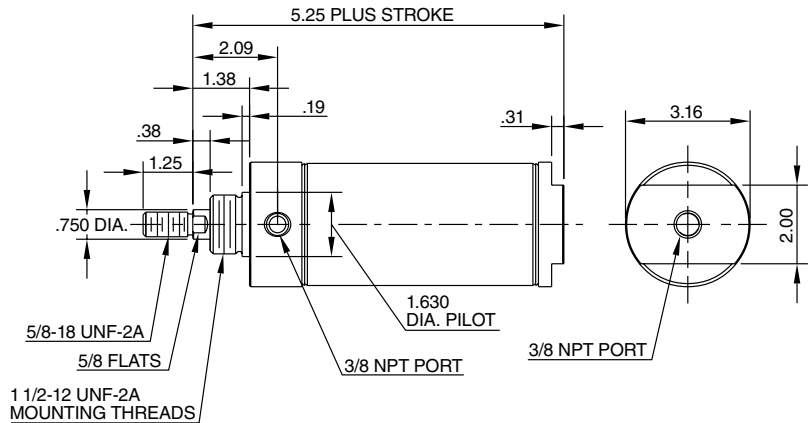
**3" Bore Size
Double Acting**

Series SS Stainless Steel Body Air Cylinders

Mounting Style D

Double Acting

Front Nose Mounting
Maximum Stroke 12"



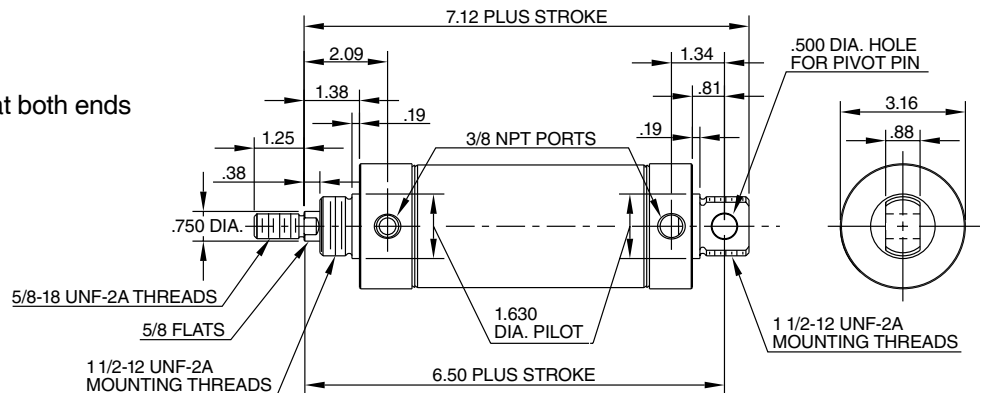
Optional Accessories:

L0 7379 0140 Foot Mount
L0 7380 1500 Mounting Nut

Mounting Style DXP

Double Acting

Double End or Rear Pivot Mounting
Strokes over 12" must be supported at both ends
Maximum Stroke 32"



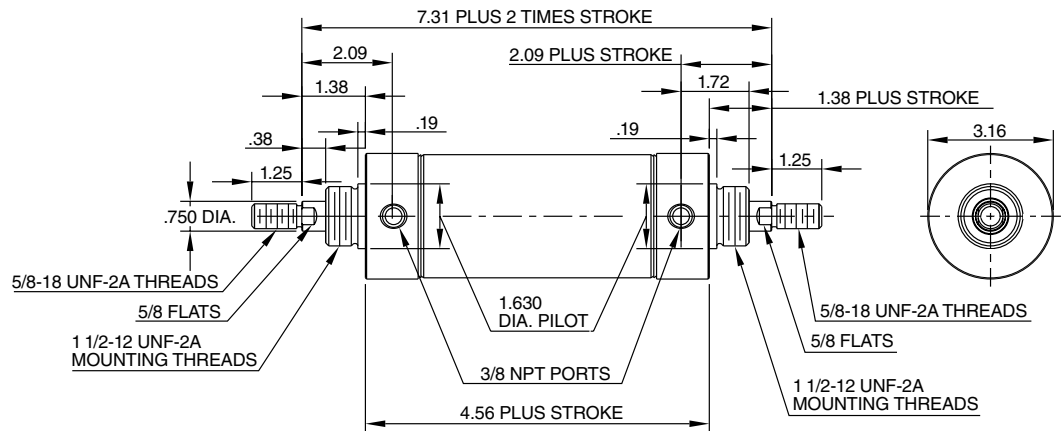
Optional Accessories:

L0 7132 0600 Pivot Bracket
L0 7379 0140 Foot Mount
L0 7130 0600 Rod Clevis
L0 7380 1500 Mounting Nut

Mounting Style KDX

Double Acting

Double End Mounting
Double Rod
Stainless Steel Rod Standard
Maximum Stroke 12"



Optional Accessories:

L0 7379 0140 Foot Bracket
L0 7380 1500 Mounting Nut

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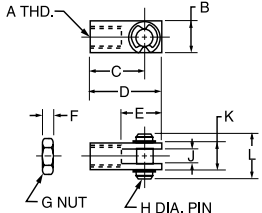
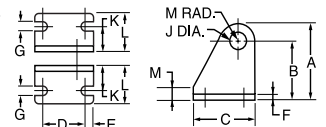
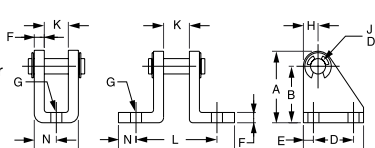
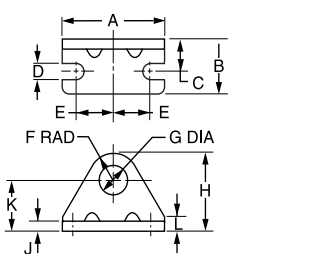
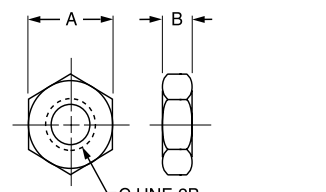
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**ATLAS
CYLINDERS**

Series SS Stainless Steel Body Air Cylinders

Standard Accessories
with Dimensions

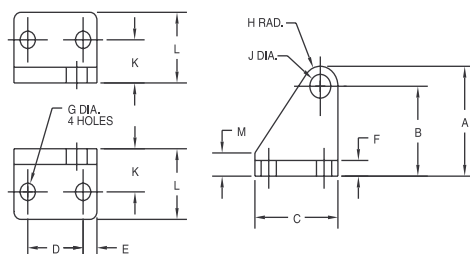
Standard Accessories with Dimensions

Standard Accessories	Part Number	Bore Used On	Dimensional Data													
			A	B	C	D	E	F	G	H	J	K	L	M	N	
Piston Rod Clevis Assembly includes pin and (2) Retainer Rings and (1) Jam Nut. 	L07130 0025	⁵ / ₁₆	#5-40	.31	.44	.56	.38	.11	#5-40	.12	.13	.31	.50	—	—	
	L07130 0100	⁷ / ₁₆ , ⁹ / ₁₆	#10-32	.38	.75	.94	.56	.12	#10-32	.19	.19	.38	.56	—	—	
	L07130 0200	³ / ₄ , ⁷ / ₈	¹ / ₄ -28	.50	.94	1.19	.68	.16	¹ / ₄ -28	.25	.25	.50	.69	—	—	
	L07130 0300	¹ / ₂	⁵ / ₁₆ -24	.50	.94	1.19	.68	.19	⁵ / ₁₆ -24	.25	.25	.50	.69	—	—	
	L07130 0400	¹ / ₄ , ¹ / ₂	⁷ / ₁₆ -20	.75	1.31	1.69	.94	.25	⁷ / ₁₆ -20	.38	.38	.75	1.03	—	—	
	L07130 0500	¹ / ₂ , 2, ² / ₁	¹ / ₂ -20	.75	1.31	1.69	.94	.31	¹ / ₂ -20	.38	.38	.75	1.03	—	—	
	L07130 0600	3	⁵ / ₈ -18	1.00	2.25	2.75	1.50	.38	⁵ / ₈ -18	.50	.50	1.00	1.38	—	—	
Pivot Brackets 	L07131 0100	⁷ / ₁₆	.76	.56	.75	.50	.12	.06	.19	.20	.160	.28	.50	.12	—	
	L07131 0200	³ / ₄ , ⁷ / ₈ , ¹ / ₁₆	1.19	.88	1.12	.75	.19	.12	.27	.31	.255	.44	.81	.25	—	
	L07131 0300	¹ / ₂	1.75	1.38	1.50	1.00	.25	.12	.27	.38	.380	.62	1.00	.25	—	
Pivot Brackets Assembly includes pin and (2) Retainer Rings. 	L07132 0025	⁵ / ₁₆	.53	.40	.62	.38	.12	.04	.16	.12	.12	.26	—	.36	.18	
	L07132 0100	⁷ / ₁₆ , ⁹ / ₁₆	.76	.56	.75	.50	.12	.06	.19	.19	.156	.34	.91	1.34	.22	
	L07132 0200	³ / ₄ , ⁷ / ₈ , ¹ / ₁₆	1.18	.88	1.12	.75	.19	.12	.27	.30	.250	.38	1.25	2.00	.38	
	L07132 0300	¹ / ₄	1.18	.88	1.12	.75	.19	.12	.27	.30	.250	.50	1.38	2.14	.38	
	L07132 0400	¹ / ₂ , ³ / ₄	1.75	1.38	1.50	1.00	.25	.25	.27	.37	.375	.62	2.00	2.88	.44	
	L07132 0500	2, ² / ₁	1.75	1.38	1.50	1.00	.25	.25	.27	.37	.375	.75	2.12	3.00	.44	
	L07132 0600	3	2.25	1.75	1.75	1.25	.25	.25	.27	.50	.50	.88	2.62	3.88	.62	
5/16" Bore Only																
Foot Brackets 	L07379 0016	⁵ / ₁₆	1.00	.37	.25	.13	.37	.31	.25	.75	.06	.44	.12	—	—	
	L07379 0023	⁵ / ₁₆	1.00	.37	.25	.13	.37	.31	.38	.75	.06	.44	.12	—	—	
	L07379 0024	⁷ / ₁₆	1.38	.62	.31	.19	.50	.31	.38	.88	.07	.56	.12	—	—	
	L07379 0028	⁷ / ₁₆ , ⁹ / ₁₆	1.38	.62	.38	.19	.50	.38	.44	.94	.09	.56	.12	—	—	
	L07379 0032	³ / ₄	1.62	.75	.44	.19	.62	.41	.50	1.09	.10	.69	.19	—	—	
	L07379 0040	³ / ₄ , ⁷ / ₈ , ¹ / ₁₆	1.88	1.00	.56	.27	.75	.56	.63	1.38	.12	.81	.25	—	—	
	L07379 0048	¹ / ₄ , ¹ / ₂	2.50	1.50	.75	.27	.94	.75	.75	1.75	.12	1.00	.38	—	—	
	L07379 0102	¹ / ₃	3.00	1.50	.87	.35	1.12	.91	1.03	2.16	.19	1.25	.50	—	—	
	L07379 0124	2	3.12	1.62	1.00	.34	1.12	1.00	1.38	2.50	.25	1.50	.62	—	—	
	L07379 0132	² / ₁	3.75	1.62	1.00	.35	1.44	1.25	1.51	3.00	.25	1.75	.75	—	—	
	L07379 0140	3	4.37	1.62	1.00	.35	1.75	1.25	1.64	3.14	.25	1.89	.89	—	—	
Mounting Nut 	L07380 0200	⁵ / ₁₆	.44	.16	¹ / ₄ -28	—	—	—	—	—	—	—	—	—	—	
	L07380 0400	⁵ / ₁₆ , ⁷ / ₁₆	.56	.22	³ / ₈ -24	—	—	—	—	—	—	—	—	—	—	
	L07380 0500	⁷ / ₁₆ , ⁹ / ₁₆	.69	.25	⁷ / ₁₆ -20	—	—	—	—	—	—	—	—	—	—	
	L07380 0600	³ / ₄	.75	.31	¹ / ₂ -20	—	—	—	—	—	—	—	—	—	—	
	L07380 0800	³ / ₄ , ⁷ / ₈ , ¹ / ₁₆	.94	.38	⁵ / ₈ -18	—	—	—	—	—	—	—	—	—	—	
	L07380 0900	¹ / ₄ , ¹ / ₂	1.12	.42	³ / ₄ -16	—	—	—	—	—	—	—	—	—	—	
	L07380 1100	¹ / ₃	1.50	.55	1-14	—	—	—	—	—	—	—	—	—	—	
	L07380 1200	2	1.88	.50	¹ / ₄ -12	—	—	—	—	—	—	—	—	—	—	
	L07380 1400	² / ₁	2.06	.78	³ / ₈ -12	—	—	—	—	—	—	—	—	—	—	
	L07380 1500	3	2.25	.84	¹ / ₂ -12	—	—	—	—	—	—	—	—	—	—	

Series SS Trunnion Brackets

Select brackets for Series SS Trunnion Mount Cylinders from the table below.

(Note: Trunnion Brackets are ordered as a separate item from the cylinder.)



Assembly No.	Bore Sizes	A	B	C	D	E	F	G	H	J	K	L	M
L076600100	$\frac{7}{16}$ "	1.75	1.38	1.50	1	.25	.25	.27	.38	.375	.69	1.12	.37
L076600200	$\frac{3}{4}, \frac{7}{8}, 1\frac{1}{16}, 1\frac{1}{2}$ "	1.75	1.38	1.50	1	.25	.25	.27	.38	.500	.69	1.12	.37

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■ Goodland, IN
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734/455-1700

■ Hillsborough, NC
919/732-9371
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■ Portland, OR
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■ Owen Sound, Ont. Can
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**ATLAS
CYLINDERS**

Series SS Stainless Steel Body Air Cylinders

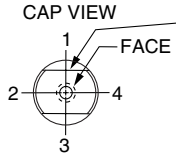
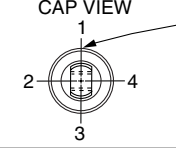
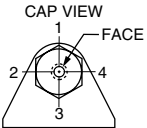
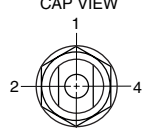
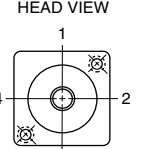
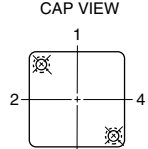
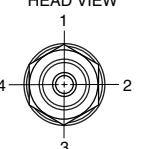
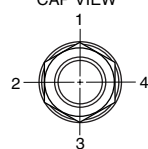
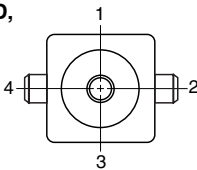
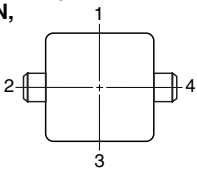
Port, Spring Force Data

Port Size — Rod Diameter — Spring Force Data

Bore Size	Port Size	Rod Diameter (Or Hex)	Force Factor		Spring Return (lbs.)		Spring Extend (lbs.)	
			Push	Pull	Normal	Extended	Normal	Retracted
.31 (⁵ / ₁₆ "	#10-32	¹ / ₈ "	.08	.06	.5	1	.5	1
.44 (⁷ / ₁₆ "	#10-32	³ / ₁₆ "	.15	.12	1	2	1	2
.56 (⁹ / ₁₆ "	#10-32	³ / ₁₆ "	.25	.22	2	4	2	4
.75 (³ / ₄ "	¹ / ₈ NPTF	¹ / ₄ "	.44	.39	3	6	3	6
.88 (⁷ / ₈ "	¹ / ₈ NPTF	¹ / ₄ "	.60	.55	3	6	3	6
1.06 (1 ¹ / ₁₆ "	¹ / ₈ NPTF	⁵ / ₁₆ "*	.89	.81	3†	6†	7.5	15
1.25 (1 ¹ / ₄ "	¹ / ₈ NPTF	⁷ / ₁₆ "	1.23	1.08	7.5	15	7.5	15
1.50 (1 ¹ / ₂ "	¹ / ₈ NPTF	⁷ / ₁₆ "	1.77	1.62	6†	12†	9	18
1.75 (1 ³ / ₄ "	¹ / ₄ NPTF	¹ / ₂ "	2.40	2.21	11	24	11	24
2.00 (2"	¹ / ₄ NPTF	⁵ / ₈ "	3.14	2.84	15	30	15	30
2.50 (2 ¹ / ₂ "	¹ / ₄ NPTF	⁵ / ₈ "	4.91	4.60	N/A	N/A	N/A	N/A
3.00 (3"	³ / ₈ NPTF	³ / ₄ "	7.07	6.63	N/A	N/A	N/A	N/A

*Non-rotating version uses ³/₈" hex.

†Block mount and trunnion mount spring return lbs. equals spring extend lbs.

Mounting Style	Standard Head Port Location	Standard Cap Port Location	Standard Vent Location	End View of Mountings For Port Locations	
AR	Face	Face	None	Mounting Styles N, NR, D, R, AR  <p>Standard location for cushion adjustment needle when cushions are specified on D mounts.</p>	Mounting Styles P, RP, DXP, NRP, DP, AP  <p>Standard location for cushion adjustment needle when cushions are specified on DXP mounts.</p>
BFR	2	None	2		
BFN	None	Face	2		
BRD	2	2	None		
BFD	2	Face	None		
BRR	2	None	2	Mounting Style A 	Mounting Style RA 
BRN	None	2	2		
TFR	1	None	1	Mounting Styles BFD, BFN, BFR 	Mounting Styles BRN, BRR, BRD 
TFN	None	Face	1		
TRD	1	1	None	Mounting Styles KDXH, KDX 	Mounting Style DX 
TFD	1	Face	None		
TRR	1	None	1	Mounting Styles TFD, TFN, TFR 	Mounting Styles TRN, TRR, TRD 
TRN	None	1	1		
AP	None	2	2		
RA	2	None	2		
A	None	Face	2		
KDXH	2	2	None		
KDX	2	2	None		
DX	2	2	None		
DXP	2	2	None		
DP	2	2	None		
D	2	Face	None		
RP	2	None	2		
R	2	None	2		
P	None	2	2		
NRP	None	2	2		
NR	None	Face	2		
N	None	Face	2		

Cylinders will be with ports at these locations unless otherwise specified.

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**ATLAS
CYLINDERS**

Series SS

Stainless Steel Body Air Cylinders

Standard Options

Bumpers

Bumpers are available at extra cost, add the following dimensions to the overall cylinder length by bore

Bore Size	5/16"	7/16"	9/16"	3/4"	7/8"	1 1/16"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"	3"
Type												
Spring Return	*	.062"	.062"	.125"	*	.125"	*	**	*	.125"	N/A	N/A
Spring Extend	*	.125"	.062"	.125"	*	.125"	*	**	*	.125"	N/A	N/A
Double Acting	*	.188"	.125"	**	*	.125"	*	.125"	*	.250"	.250"	N/A
K-type	N/A	.250"	.125"	**	*	.500"	*	.125"	*	.250"	.250"	N/A

*Bumpers are furnished as standard and do not affect overall length.

**Bumpers do not affect overall length.

Fluorocarbon Seals

Available on all bore sizes at extra cost.

Stainless Steel Piston Rods

Corrosion resistant stainless steel is the standard piston rod material for all bore sizes up to and including 1.50 inch bore at no additional cost. The only exception to the stainless steel standard is when a hollow rod, KDXH option is specified. Stainless steel is also the standard material on block, trunnion, hex/non-rotating and KDX mounts. Stainless steel is available on other sizes for an additional charge.

Rod Wiper

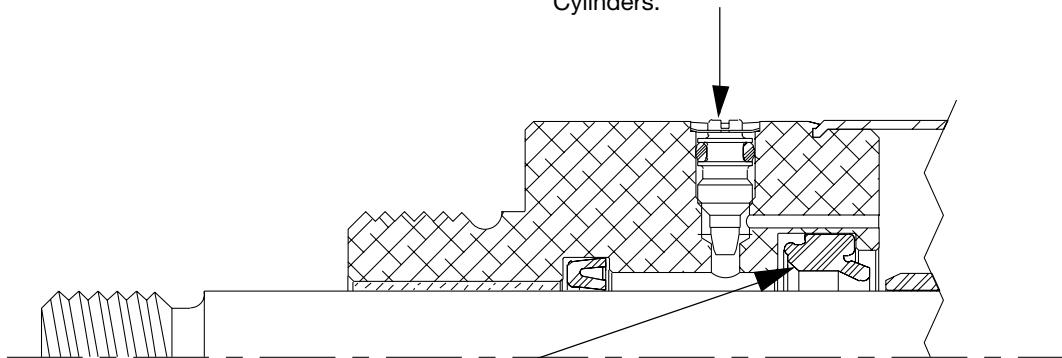
Series SS/SSM cylinders can be fitted with a rod wiper that is specially designed to prevent contaminants from clinging to the piston rod and damaging the piston rod seal. Available in 3/4", 1-1/16", and 1-1/2" bores, the piston rod wiper can be added to the SS/SSM and SSD/SSDM series.

Adjustable Cushion Option

Cushions can be selected on seven bore sizes, ranging from .75" bore to 3.0" bore with mounting styles D, front nose mount, and DXP, rear pivot mount. Adjustable cushions are optional at either end or both ends of Series SS/SSM cylinders.

Cushion Adjusting Needle Valves

The fine-thread cushion needle valves make precise adjustment quick and easy. The needle valve is fully captured to allow for safe cushion adjustment while cylinder is pressurized. The brass needle valves are corrosion resistant. The standard position for needle valve adjustments is position 1, 90° from the port. See port location table for Series SS Cylinders.



Check Seal Cushion

The "Check Seal" system offers excellent cushioning efficiency and long cushion seal life. This seal is specifically designed for cushion applications and has a long proven history in our products. Extensive side by side testing of the check seal in Series SS cylinders significantly outlasted and outperformed competitors' o-ring shaped seals.

The Check Seal's unique geometry exhibits the dynamic sealing capabilities of a lipseal. As the cushion sleeve enters the Check Seal at the end of stroke, the Check Seal blocks the air from exhausting directly through the port and forces

the air through the adjustable needle valve orifice. The exhaust airflow is precisely metered to control the desired rate of deceleration of the cylinder piston.

During stroke reversal, the check valve action of the Check Seal induces a fast out-of-cushion response. The Check Seal floats forward in the retainer groove as the cushion sleeve exits the Cushion Seal, thereby creating a path for maximum air flow around the Check Seal to access the piston face. The quick response of the Check Seal design yields faster cycle times and increased productivity.

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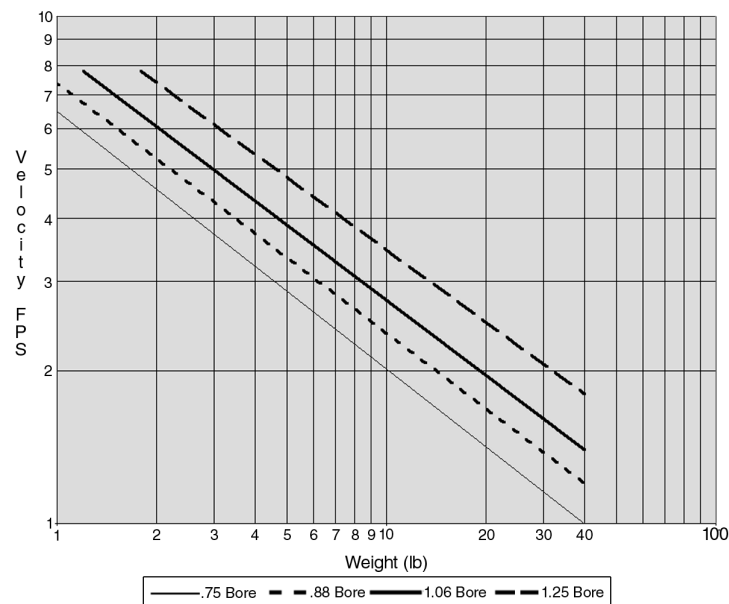
ATLAS
CYLINDERS

Cushioning Capacity

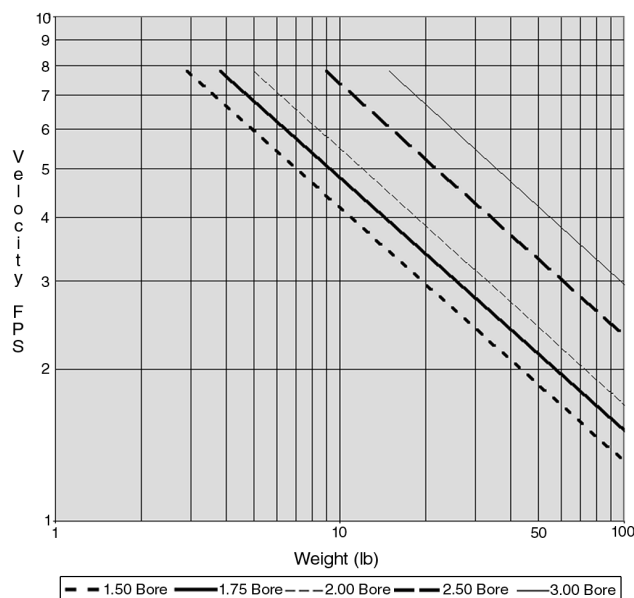
Use the graphs below to determine whether a cylinder will adequately decelerate a load without damage to the cylinder. Find the point on the graph where the piston

rod speed intersects the weight of the load. Any cylinder bore size above the intersect point will adequately decelerate the load at that speed.

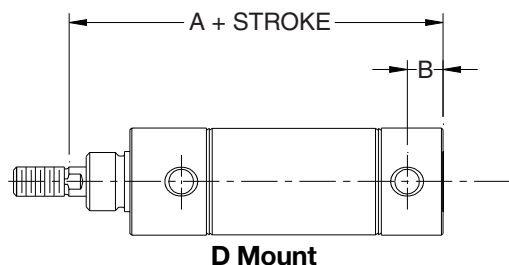
.75" through 1.25" Bores



1.50" through 3.00" Bores



Critical Mounting Dimensions for Series SS and SSM Cylinders with Adjustable Cushions



In most cases, cylinder mounting dimensions are not affected when cushions are specified. Standard catalog dimensions apply when cushions are specified at either end of a DXP mount and when specified at the head end only of a D mount. **The only exception to standard catalog dimensions is when a cushion is specified on the cap end or both ends of a D mount.** Please consult Table A for the critical mounting dimensions on D mount SS and SSM cylinders with cushions both ends or cushions cap end only.

Table B shows the cushion lengths for SS and SSM cylinders.

Table A: Critical Mounting Dimensions for D Mount SS and SSM Cylinders with Cushions Both Ends or Cushions Cap End Only.

Bore Size	SS Dimensions		SSM Dimensions	
	A + Stroke	B	A + Stroke	B
.75	3.40	0.28	3.40	.28
.88	3.25	0.28	N/A	N/A
1.06	3.49	0.28	3.65	.28
1.25	4.31	0.38	4.34	.38
1.50	4.12	0.31	4.37	.31
1.75	5.25	0.42	5.25	.42
2.00	5.06	0.47	5.34	.47
2.50	5.06	0.47	5.06	.47
3.00	5.69	0.53	N/A	N/A

Table B: Cushion Lengths for SS and SSM Cylinders.

Bore Size	head	cap
.75	0.750	0.625
.88	0.750	0.625
1.06	0.750	0.625
1.25	0.750	0.625
1.50	0.750	0.625
1.75	0.875	0.625
2.00	0.875	0.750
2.50	0.875	0.750
3.00	0.875	1.000

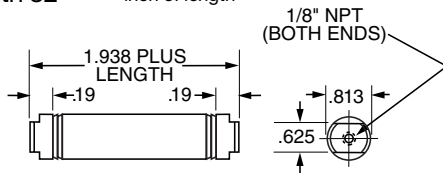
Series SS Stainless Steel Body Air Cylinders

Air Reservoirs Option Availability Chart

How To Order Series SS Air Reservoirs

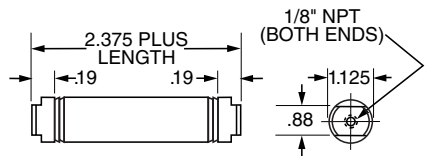
3/4" Bore
Standard Length
1" increments to 4"
Maximum Length 32"

Model #.75 ARSS (length)
Vol. - Cu. In.
.39 in³ plus
.44 in³ per
inch of length



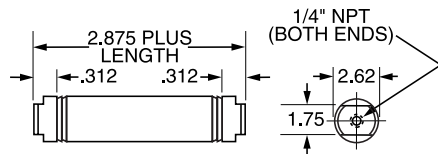
1 1/16" Bore
Standard Length
1" increments to 8"
Maximum Length 32"

Model #1.06 ARSS (length)
Vol. - Cu. In.
.99 in³ plus
.89 in³ per
inch of length



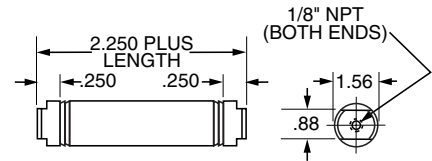
2 1/2" Bore
Standard Length
1" increments to 16"
Maximum Length 32"

Model #2.50 ARSS (length)
Vol. - Cu. In.
7.04 in³ plus
4.91 in³ per
inch of stroke



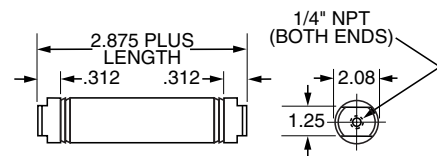
1 1/2" Bore
Standard Length
1" increments to 16"
Maximum Length 32"

Model #1.50 ARSS (length)
Vol. - Cu. In.
1.91 in³ plus
1.77 in³ per
inch of stroke



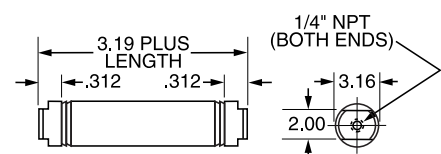
2" Bore
Standard Length
1" increments to 16"
Maximum Length 32"

Model #2.00 ARSS (length)
Vol. - Cu. In.
4.22 in³ plus
3.14 in³ per
inch of stroke



3" Bore
Standard Length
1" increments to 16"
Maximum Length 32"

Model #3.00 ARSS (length)
Vol. - Cu. In.
9.90 in³ plus
7.07 in³ per
inch of stroke



Option Availability Chart

	Bumpers	Fluorocarbon Seals	Rod Wipers	Cushions	Delrin® End Caps
Bumpers	--	◆	◆	X	◆
Fluorocarbon Seals	--	--	X	S	◆
Rod Wiper	--	--	--	◆	◆
Cushions	--	--	--	--	S

◆ = Available Options
S = Available as Special
X = Not Available

Delrin® is a registered trademark of Dupont.

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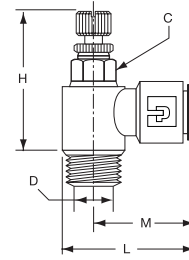
**ATLAS
CYLINDERS**

Series SS Stainless Steel Body Air Cylinders

Port Accessories

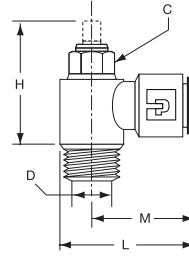
Miniature Exhaust Flow Control

PART NO.	TUBE SIZE	THREAD SIZE	C HEX (MM)	H CLOSED	H OPEN	L	M	FLOW DIA. D
0876300100	5/32	10-32	6	.925	1.023	.846	.669	.080
0876300200	5/32	1/8	7	1.000	1.083	.935	.708	.100
0876300300	1/4	10-32	6	.925	1.023	.885	.708	.080
0876300400	1/4	1/8	7	1.000	1.083	.957	.730	.100
0876300500	1/4	1/4	8	1.083	1.180	1.013	.748	.160



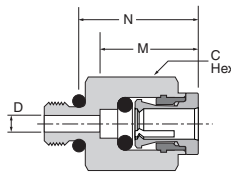
Knobless Miniature Exhaust Flow Control

PART NO.	TUBE SIZE	THREAD SIZE	C HEX (MM)	H CLOSED	H OPEN	L	M	FLOW DIA. D
0876310100	5/32	10-32	6	.650	.787	.846	.669	.080
0876310200	1/4	1/8	7	.708	.860	.956	.730	.100
0876310300	1/4	1/4	8	.826	.964	1.013	.748	.160

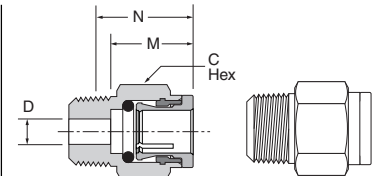


Microlok male connector

PART NO.	TUBE SIZE	PIPE THREAD	C HEX	ASSM. HT. N	M	FLOW DIA. D
0876280100	1/8	1/8	7/16	.48	.49	.090
0876280200	1/8	10-32	3/8	.57	.49	.080
0876280300	5/32	1/8	7/16	.33	.49	.110
0876280400	5/32	10-32	7/16	.57	.49	.080
0876280500	1/4	1/8	1/2	.57	.52	.160
0876280600	1/4	1/4	5/8	.46	.52	.160
0876280700	1/4	10-32	7/16	.58	.49	.080



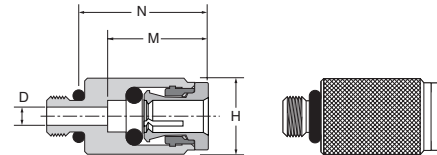
10-32 Thread



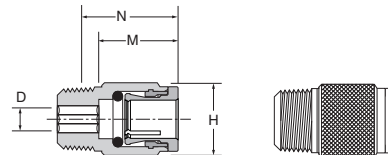
1/8" & 1/4" Pipe Thread

Microlok round body male connector

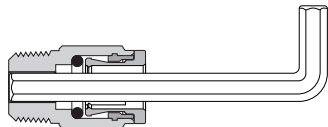
PART NO.	TUBE SIZE	PIPE THREAD	BODY DIA. H	INTERNAL HEX	ASSM. HT. N	M	FLOW DIA. D
0876290100	1/8	10-32	.34	-	.57	.49	.08
0876290200	5/32	1/8	.43	1/8	.56	.49	.13
0876290300	5/32	10-32	.38	-	.57	.49	.08
0876290400	1/4	1/8	.47	3/16	.59	.52	.19
0876290500	1/4	1/4	.59	3/16	.51	.52	.19
0876290600	1/4	10-32	.47	-	.58	.52	.08



10-32 Thread

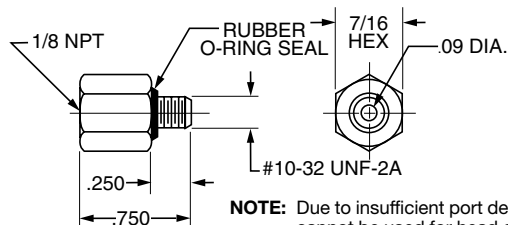


1/8" & 1/4" Pipe Thread



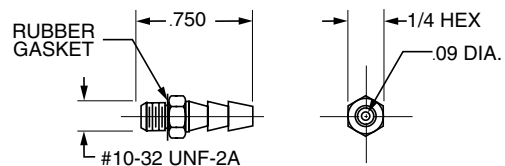
5/32" and larger straight Microlok round body Male Connectors with Pipe Threads have an internal hex for the use of an Allen Key to allow the fitting to be mounted in any position. This also permits close porting not possible with a standard wrench.

#10-32 to 1/8-27 Port Adapter
P.N. 1442840000



NOTE: Due to insufficient port depth, port adapter fitting cannot be used for head end ports of 9/16" bore cylinders. Use barbed fitting.

1/4" O.D. Hose Barbed Fittings
P.N. L06998 0000 (Pkg. of 10)



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**ATLAS
CYLINDERS**

Series SS Stainless Steel Body Air Cylinders

How To Order Non-Standard Rods

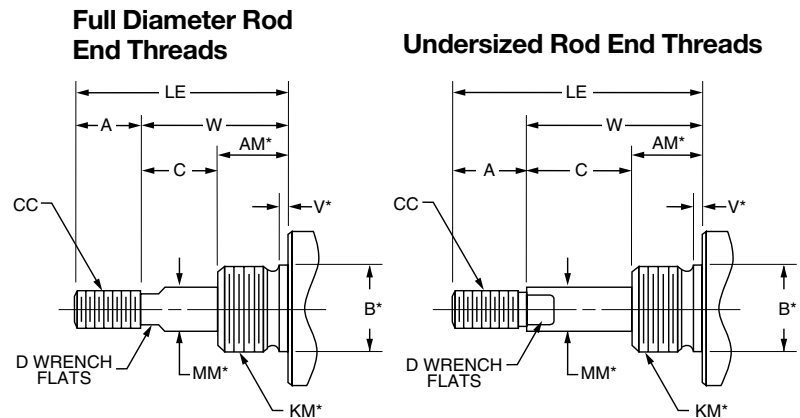
How To Order Series SS Air Cylinders

Each Series "SS" cylinder can be specified by using the symbols in the chart below to develop a model number. Select only those symbols that represent the cylinder features desired, and place them in sequence indicated by the example at the top of the chart.

E X A M P L E	Bore Size	Cushion Head	Double Rod	Mounting Style	Series	Piston	Seals	Special	Non-Standard Rod	Non-Standard Rod Dim.	Cushion Cap	Stroke
	1.06	C	K	D	SS	B	V	S	Y	3	C	2.00
	Specify: .31- ⁵ / ₁₆ " .44- ⁷ / ₁₆ " .56- ⁹ / ₁₆ " .75- ³ / ₄ " .88- ⁷ / ₈ " 1.06-1 ¹ / ₁₆ " 1.25-1 ¹ / ₄ " 1.50-1 ¹ / ₂ " 1.75-1 ³ / ₄ " 2.00-2" 2.50-2 ¹ / ₂ " 3.00-3"	When cushion head is required.	Available on DX and DXH only.	Specify: N, NR, NRP, P, R, RP, D, DP, DXP, DX, DXH, A, RA, AP, AR, BRN, BRR, BFD, BRD, BFN, BFR, TRN, TRR, TFD, TRD, TFR or TFR.	All	Bumper	Specify: V only when fluoro carbon seals are required. W only when rod wiper is required.	Use only if special modifications are required, except piston rod end.	Specify Y for stainless steel piston rod. Stainless steel is standard on all bore sizes up to and including 1.50" Bore.	Use only for special piston rod end. Specify CC, LE and A Dimensions (See below.)	When cushion cap is required.	Specify in inches.

Non-Standard Rods

For non-standard rod dimensions, or undersized rod end threads, put a "3" in model number and describe the rod using the letters shown in the drawing. Specify CC, LE and A dimensions.



*Requires an S designation in model number.

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**ATLAS
CYLINDERS**

ATLAS CYLINDERS

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Series SS Cylinder Interchange Chart

This interchange chart is to be used as a reference guide only. Verify customer requirements before ordering. For further information consult factory.

Mounting Description	Atlas Cylinders	Bimba	Humphrey	Clippard	American	Norgren	Numatics
Nose Mount, Spring Return	N	(No Letter)	S	SSR	SNS	SAN	S01
Nose Mount, Spring Return Hex Rod (Non-Rotating)	NR	NR	SH	SSN	SNHS	NRN	N01
Pivot & Nose Mount Spring Return Hex Rod (Non-Rotating)	NRP	NRP	SHP	USN	SVHS	NRP	N02
Pivot Mount, Spring Return	P	P	SP	USR	SVS	SAP	S02
Nose Mount, Spring Extend	R	R	SR	SRR	RNS	RAN	R01
Pivot & Nose Mount Spring Extend	RP	RP	SRP	URR	RVS	RAP	R02
Nose Mount, Spring Return, Head Adjustable Stroke	A	A	-	-	-	-	-
Nose Mount, Spring Extend Head Adjustable Stroke	RA	RA	-	-	-	-	-
Pivot Mount Spring Return, Head Adjustable Stroke	AP	AP	-	-	-	-	-
Air Reservoirs (See Reverse Side)	AR	See Next Page	See Next Page	See Next Page	See Next Page	AR	-
Nose Mount Double Acting	D	D	D	SDR	DNS	DAN	D01
Pivot & Nose Mount Double Acting Pivot Pin	DP	DP (No Pivot Pin on 1-1/4")	DP	UDR	DVS	DAP	D02
Pivot & Nose Mount Double Acting No Pivot Pin	DXP	DXP DP on 1-1/4 DX on 1-1/16	DP	UDR	DVS	DAD	D02, D04
Threaded Both Ends Double Acting	DX	DX	DP	EDR	DVS	-	-
Threaded Both Ends Double Acting, Double Rod	KDX	DXDE	D2EY	SDD	DES	DRD	D03

Mounting Description	Atlas Cylinders	Bimba	Humphrey	Clippard	American	Norgren	Numatics
Threaded Both Ends Double Rod, Hollow Rod	KDXH	DXDEH	(N.A.)	(N.A.)	(N.A.)	-	-
Rear Block Mount Single Acting/Spring Return	BRN	BR-	-	-	-	-	-
Rear Block Mount Single Acting/Spring Extend	BRR	BR-_-_-R	-	-	-	-	-
Front Block Mount Single Acting/Spring Return	BFN	BF-_-_-	BFS	FSR	SBFS	SAB	-
Front Block Mount Single Acting/Spring Extend	BFR	BF-_-_-R	-	-	-	-	-
Front Block Mount Double Acting	BFD	BF-_-_-D	BFD	FDR	DBFS	DAB	D05
Rear Block Mount Double Acting	BRD	BR-_-_-D	-	-	-	-	-
Rear Trunnion Mount, Single Acting, Spring Return	TRN	BRT	-	-	-	-	-
Rear Trunnion Mount, Single Acting, Spring Extend	TTR	-	-	-	-	-	-
Front Trunnion Mount Double Acting	TFD	BFT-_-_-D	-	-	-	-	-
Rear Trunnion Mount, Double Acting	TRD	BRT-_-_-D	-	-	-	-	-
Front Trunnion Mount, Single Acting, Spring Return	TFN	BFT	-	-	-	-	-
Front Trunnion Mount, Spring Extend, Single Acting	TFR	-	-	-	-	-	-

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ATLAS CYLINDERS

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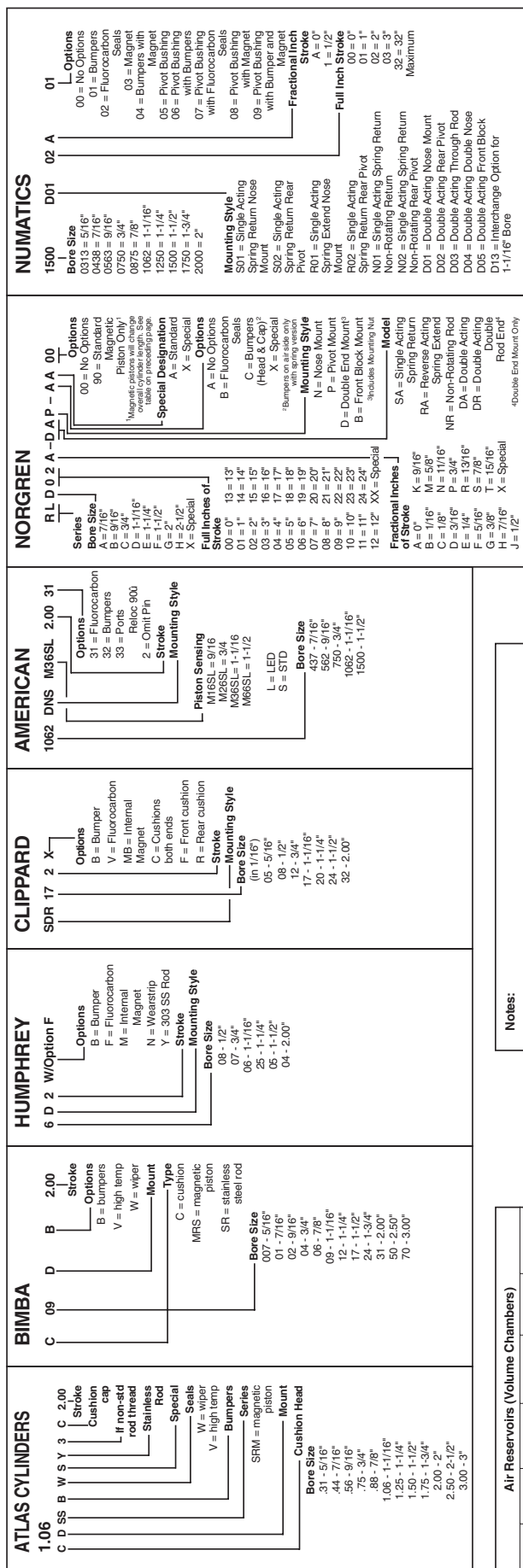
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**ATLAS
CYLINDERS**



Notes:
B Bore sizes for block mounts.
M Bore sizes for internal magnets.
★ Consult factory for SSM dimensional interchange.
T Bore sizes for trunnion mounts.
X Standard mount only.

Air Reservoirs (Volume Chambers)			
Atlas Cylinders	Bimba	Humphrey	American
3/4"	.75 AR	D-1022-A	7-C
1-1/16"	1.06 AR	D-1500-A	6-C
1-1/4"	1.25 AR	D-27715-A	5-C
1-1/2"	1.50 AR	D-5096-A	5-C
2"	2.00 AR	D-2485-A	4-C

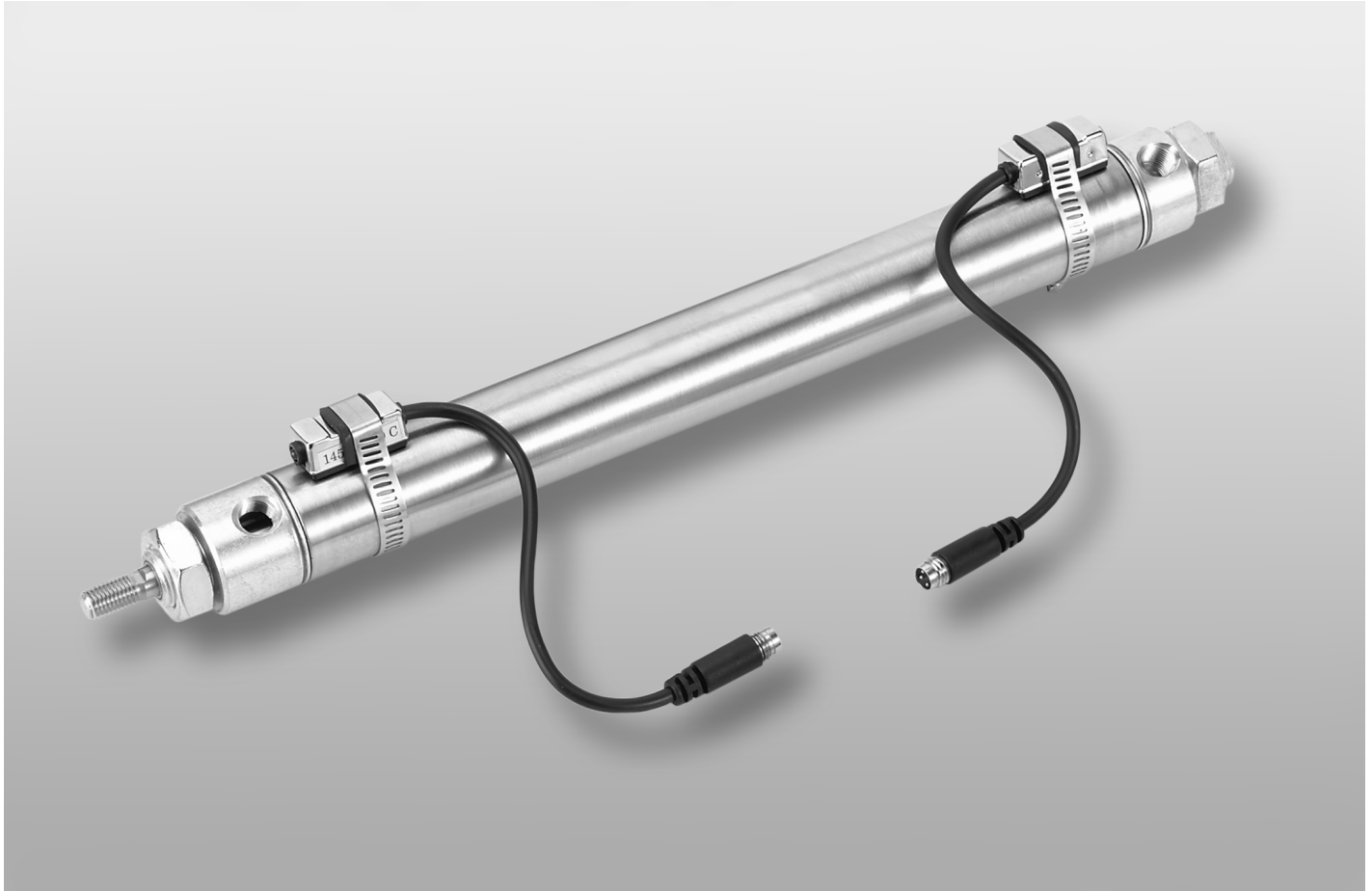
Summary of Options/Mounts Offered											
Bore Size	Atlas Cylinders	Bore Code	Bimba Code	Humphrey Code	American Code	Norgren Code	Numatics Code	Bore Code	Options	Mounts	Notes
5/16"	X B	.31	X B	007	05	-	X	0313	-	-	-
7/16"	X B T	.44	X B T	01	-	B	X	0438	-	-	-
9/16"	X M	.56	X M	02	-	M	X	0563	-	-	-
3/4"	X B T M	.75	X B T M	04	X B M	750	X B M	0750	-	-	-
7/8"	X	.88	X	06	-	-	X M	0875	-	-	-
1-1/16"	X B T M	1.06	X B T M	09	X B M	1062	X B M	1062	-	-	-
1-1/4"	X M	1.25	X M	12	X M	1250	X M	1250	-	-	-
1-1/2"	X B T M	1.50	X B T M	17	X B M	1500	X B M	1500	-	-	-
1-3/4"	X M	1.75	X M	24	X M	1750	X M	1750	-	-	-
2"	X M	2.00	X M	31	X M	2000	X M	2000	-	-	-
2-1/2"	X M	2.50	X M	50	X M	3	X M	3	-	-	-
3"	X	3.00	X	70	-	-	-	-	-	-	-

X = Standard mounting styles only
B = Block mounts available
T = Trunnion mounts available
M = Piston position sensing available

Standard Options			
Atlas Cylinders	Bumpers	Fluorocarbon Seals	Stainless Steel Rods
Bimba	Standard on 5/16", 7/8", 1-1/4", and 1-3/4" bore. Optional on other bore sizes and models except 2" bore single acting.†	Optional on all bore sizes and models.	Standard on all bore sizes up to 1.50". KDX mounts, all block mounts, optional on all other bore sizes and models.
Clippard	Standard on 5/16", 7/8", 1-1/4", and 1-3/4" bore. Optional on other bore sizes and models except 2" bore single acting.†	Optional on all bore sizes and models.	Standard on 5/16", 7/8", 9/16" bore MRS, K-type (DXDE, DXDEH), all block mounts, optional on all other bore sizes and models.
Humphrey	Standard on model D2EY all bore sizes. Optional on all other bore sizes and models.	Optional on all bore sizes and models.	Optional on most bore sizes and models.
American	Optional on all bore sizes and models.†	Optional on all bore sizes and models.	Standard on all bore sizes and models.
Norgren	Optional on all bore sizes and models.	Optional on all bore sizes and models.	Standard on all bore sizes and models.
Numatics	Optional on 9/16" through 2" bore.	Optional on all bore sizes and models.	Standard on all bore sizes and models.

†Bumpers may affect OAL. Consult factory for details.

Low Cost Series SSM Air Cylinders with Piston Sensing Capability



Features

- No Special Mounting Rail Required
- Easy Mounting and Adjustment
- Non-Contact Sensing
- LED Indicator Standard

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**ATLAS
CYLINDERS**

Series SSM Premium Quality, Low Cost Air Cylinder — Complete with Piston Sensing Capability

Designed and built for maximum performance and reliability to meet your particular application requirements. Our advanced manufacturing know-how results in a lower initial cost that lets you stretch those tight design budgets without sacrificing quality.

The Series SSM air cylinder features include a reed switch that is easily adjustable anywhere on the cylinder body and no special mounting rail is required. Switches are compatible with Programmable Controllers. An LED indicator is standard. A 39 inch shielded cable is also standard and can be extended to 30 feet maximum by the user.

The Series SSM air cylinder with the unitized stainless steel body — totally integrates over 60 years of proven engineering capability and

experience. High volume manufacturing capabilities, a broad distribution network plus the **only** computer linked nationwide regional warehouse system to provide you with what you need, when you need it.

Premium quality Series SSM cylinders are available from stock for quick delivery. Our system is unequalled for saving you down-time, delivery time, and costs.

For your low cost cylinder requirements we are — The One Source you can depend on for Total Cylinder Response-Ability. Worldwide.



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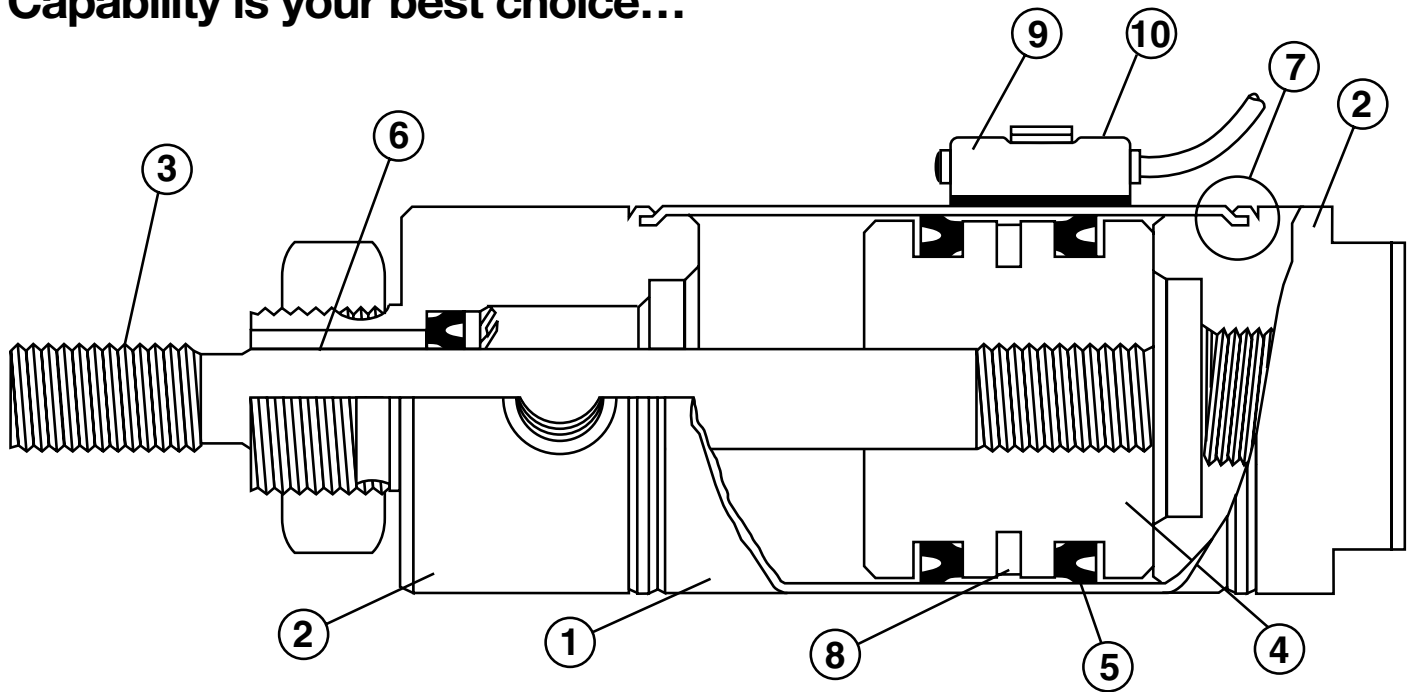
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**ATLAS
CYLINDERS**

Here's why the low cost Series SSM light duty air cylinder with Piston Sensing Capability is your best choice...



Quality cost saving features include:

- ① **Cylinder Tube** — Type 304 stainless steel, polished to a micro-inch finish on the I.D. To provide for low friction and long life. A matte finish on the O.D. to provide for smudge resistance.
- ② **Heads and Caps** — Aluminum construction with precision machining to provide a smooth breakaway. The tube-to-head connection is a strong double rolled construction.
- ③ **Piston Rods** — Stainless steel rod material is standard on all sizes up to 1.50" bore. Stainless steel is also standard on block, trunnion, non-rotating hexagonal rods and KDX mounts. Stainless steel piston rods are available on other bores and mounting styles at an additional cost.
- ④ **Piston Body** — Pistons are precision machined aluminum construction. Piston rod connections are threaded and anaerobic adhesive applied to provide for durable leakproof service.
- ⑤ **Seals** — All piston and rod seals are of a lipseal construction. Buna-N is standard on all models.
- ⑥ **Rod Bushings** — Oil impregnated bronze reamed to a close tolerance provides for a smooth operation and long life.
- ⑦ **Unitized Construction** — Precision double-rolled unitized construction provides durable, leak-proof service and long life.
- ⑧ **Piston Magnet** — Nitrile-Barium particle composite surrounds entire diameter for dependable service and long life.
- ⑨ **Adjustable Reed Switch** — Capable of either AC or DC operation. Available standard with LED indicator. For easy on, off indication.
- ⑩ **Adjustable Solid State Switch** — NPN Sinking or PNP Sourcing available standard with LED indicator. For easy on, off indication.

Standard Specifications

- 304 stainless steel cylinder body.
 - Aluminum heads and caps.
 - Stainless steel piston rods are standard up to 1.50" Bore.
 - Stainless steel is also standard on block, trunnion, non-rotating hexagonal rods and KDX mounts. Stainless steel piston rods are available on other bores and mounting styles at an additional cost.
 - Nominal pressure rating 250 psi.
 - Standard temperature +14°F to +140°F.
 - Bore sizes — 8 sizes available including 9/16", 3/4", 1-1/16", 1-1/4", 1-1/2", 1-3/4", 2 and 2-1/2" bore.
 - Mounting styles — 24 standard.
 - Adjustable cushions
 - Rod Wiper
- For additional mounting styles please consult factory.

In line with our policy of continuing product improvement, specifications in this catalog are subject to change.

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**ATLAS
CYLINDERS**

Series SSM Stainless Steel Body Air Cylinders

Switch Specifications and Data

Switch Specifications

	Reed Switch Assembly 1459030000	Solid State Switch Assembly 1467140000 NPN Sinking 1467150000 PNP Sourcing	Reed Switch Assembly 1459030000	Solid State Switch Assembly 1467140000 NPN Sinking 1467150000 PNP Sourcing
Switching Logic	Normally Open, SPST	NPN or PNP		
Supply Voltage Range	5 to 125 V AC/DC	5 TO 30 VDC	Operating Temperature	14° to 140°F (-10° to 60°C) 14° to 158°F (-10° to 70°C)
Max. Switching Power	10 Watts (Resistive) 5 Watts (Inductive)	6 Watts	Storage Temperature	-4° to 158°F (-20° to 70°C) -4° to 176°F (-20° to 80°C)
Max. Switching Current	300 mA (Resistive) 150 mA (Inductive)	200 mA at 24 VDC	LED Indicator	Red, Target Present When On
Circuit Current Consumption	—	Max 14 mA at 24 VDC	Minimum Current To Light LED	18 mA
Short Circuit Interruption Current	—	370 mA	Lead Wire Lengths	39 Inches, 1 Meter
Leakage Current	—	10 µA Maximum		
Residual Voltage	Maximum 3 V	1.5 V Maximum		
"On" State Voltage Drop	1-7V Maximum	See Below		
Response	1000 Hz Maximum	1000 Hz Maximum		
Shock Resistance	30G Non-Repeated Shock	30G Non-Repeated Shock		
Degree Of Protection	IEC IP 67	IEC IP 67		

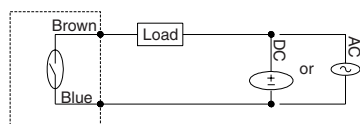
*Polarity is restricted to DC operation: (+) to Brown (-) to Blue
If these connections are reversed the contacts will close, but the LED will not light.
Note: For switches with connectors and cordset, See page 77.

Circuits

Reed Switch

Part No. 1459030000

NOTE: Polarity must be observed for DC operation only.

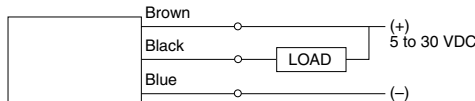


NPN Sinking Output

Part No. 1467140000

Color of Cable Black

"On" State Voltage Drop 0.7V Maximum

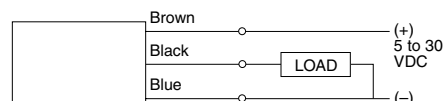


PNP Sourcing Output

Part No. 1467150000

Color of Cable Gray

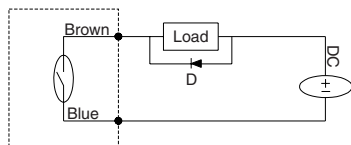
"On" State Voltage Drop 0.2V Maximum



Circuit for Switching Contact Protection (Inductive Loads)

(Required for proper operation 24V DC)

Put Diode parallel to loads following polarity as shown below.



D: Diode: select a Diode with the breakdown voltage and current rating according to the load.

Typical Example— 100 Volt, 1 Amp Diode

Load: Relay coil (under 0.5W coil rating)

(Recommended for longer life 125 VAC)

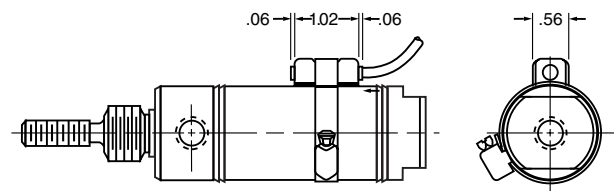
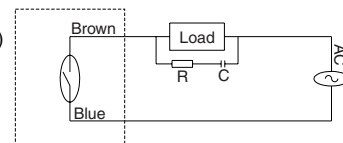
Put a resistor and capacitor in parallel with the load. Select the resistor and capacitor according to the load.

Typical Example:

Load: Relay coil (under 2W coil rating)

R: Resistor 1 KΩ - 5 KΩ, 1/4 W

C: Capacitor 0.1 µF, 600 V



Caution

- Use an ammeter to test reed switch current. Testing devices such as incandescent light bulbs may subject the reed switch to high in-rush loads.
- NOTE:** When checking an unpowered reed switch for continuity with a digital ohmmeter the resistance reading will change from infinity to a very large resistance (2 M ohm) when the switch is activated. This is due to the presence of a diode in the reed switch.
- Anti-magnetic shielding is recommended for reed switches exposed to high external RF or magnetic fields.
- The magnetic field strength of the piston magnet is designed to operate with our switches. Other manufacturers' switches or sensors may not operate correctly in conjunction with these magnets.
- Current capabilities are relative to operational temperatures.
- Use relay coils for reed switch contact protection.
- The operation of some 120 VAC PLC's (especially some older Allen-Bradley PLC's) can overload the reed switch. The switch may fail to release after the piston magnet has passed. This problem may be corrected by the placement of a 700 to 1K OHM resistor between the switch and the PLC input terminal. Consult the manufacturer of the PLC for appropriate circuit.
- Switches with long wire leads (greater than 15 feet) can cause capacitance build-up and sticking will result. Attach a resistor in series with the reed switch (the resistor should be installed as close as possible to the switch). The resistor should be selected such that R (ohms) > E/0.3.

* Stainless steel worm gear type clamps must be ordered separately.

Bore Size	Clamp Assembly	Bore Size	Clamp Assembly
9/16"	L073400050	1 1/2"	L073400200
3/4"	L073400075	1 3/4", 2"	L073400300
1 1/16"	L073400100	2 1/2"	L073400600
1 1/4"	L073400100	—	—

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**ATLAS
CYLINDERS**

**9/16" Bore Size
Single Acting**

Series SSM Stainless Steel Body Air Cylinders

Mounting Style N

Single Acting

Spring Return

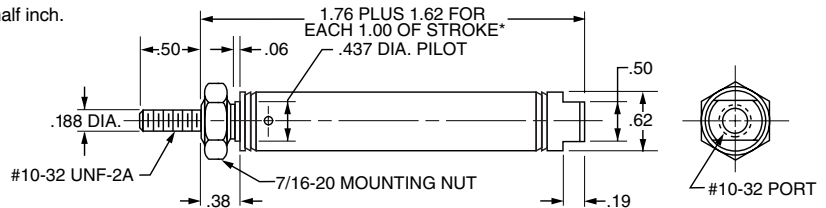
Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0028 Foot Bracket

Mounting Style NR

Single Acting

Spring Return

Front Nose Mounting

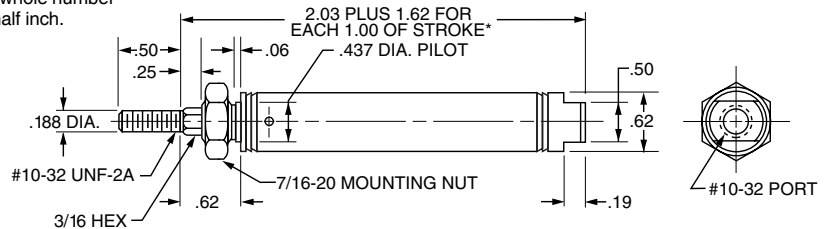
Non-Rotating Hex Rod

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0028 Foot Bracket

Mounting Style NRP

Single Acting

Spring Return

Rear Pivot Mounting

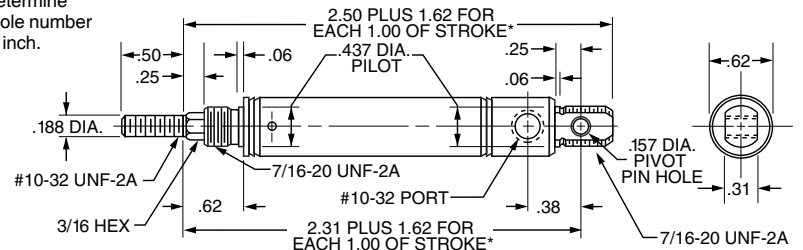
Non-Rotating Hex Rod

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0100 Rod Clevis
L0 7132 0100 Pivot Bracket with Pin

Mounting Style P

Single Acting

Spring Return

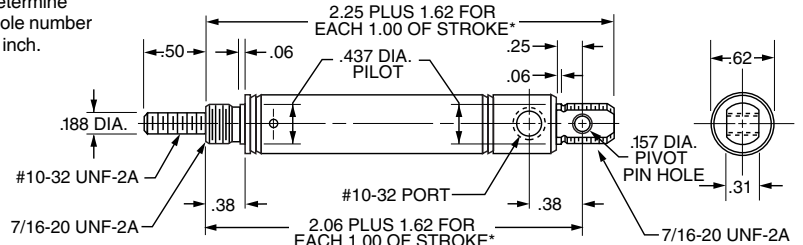
Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0100 Rod Clevis
L0 7132 0100 Pivot Bracket with Pin

Mounting Style R

Single Acting

Spring Extend

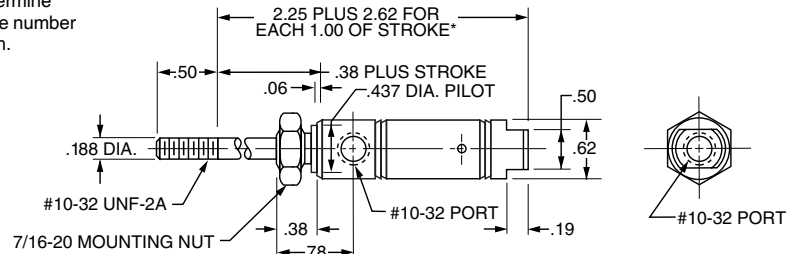
Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessory:

L0 7379 0028 Foot Bracket

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**ATLAS
CYLINDERS**

Series SSM Stainless Steel Body Air Cylinders

9/16" Bore Size
Single and Double Acting

Mounting Style RP

Single Acting

Spring Extend

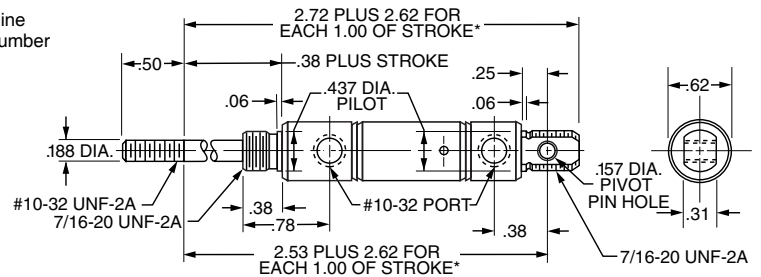
Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessories: L0 7130 0100 Rod Clevis
L0 7132 0100 Pivot Bracket with Pin

Mounting Style D

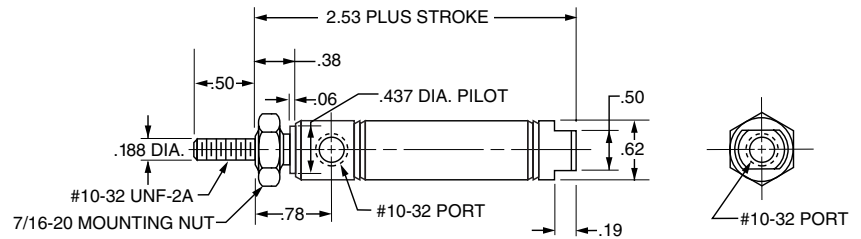
Double Acting

Front Nose Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 12"



Optional Accessory:
L0 7379 0028 Foot Bracket

Mounting Style DXP

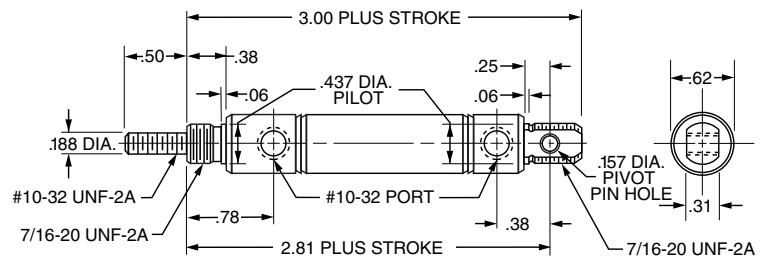
Double Acting

Double End or Rear Pivot Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 12"



Optional Accessories: L0 7130 0100 Rod Clevis
L0 7379 0028 Foot Bracket
L0 7380 0500 Hex Nuts

Mounting Style KDX

Double Acting

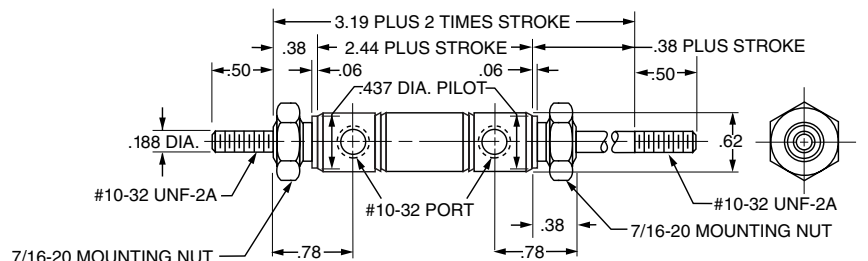
Double Rod

Double End Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"



Optional Accessory:
L0 7379 0028 Foot Bracket

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770/819-3400

■ Goodland, IN
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■ Plymouth, MI
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■ Hillsborough, NC
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**ATLAS
CYLINDERS**

**3/4" Bore Size
Single Acting**

Series SSM Stainless Steel Body Air Cylinders

Mounting Style N

Single Acting

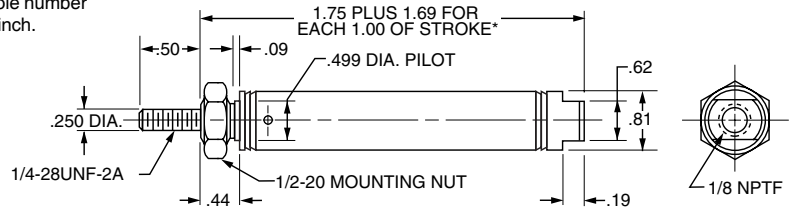
Spring Return

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0032 Foot Bracket

Mounting Style NR

Single Acting

Spring Return

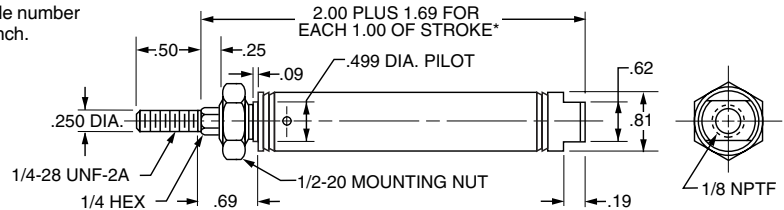
Front Nose Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0032 Foot Bracket

Mounting Style NRP

Single Acting

Spring Return

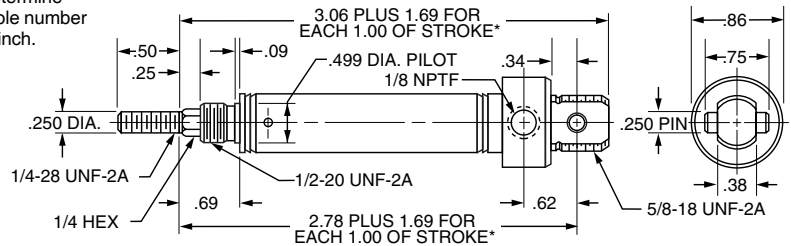
Rear Pivot Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories: L0 7130 0200 Rod Clevis

L0 7131 0200 Pivot Bracket

Mounting Style P

Single Acting

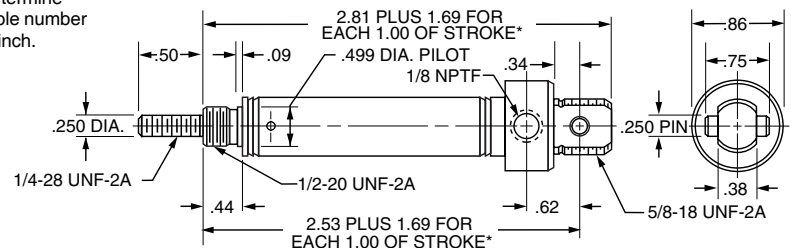
Spring Return

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories: L0 7130 0200 Rod Clevis

L0 7131 0200 Pivot Bracket

Mounting Style R

Single Acting

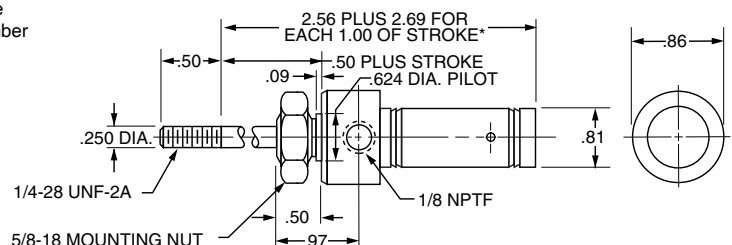
Spring Extend

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessory:

L0 7379 0040 Foot Bracket

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**ATLAS
CYLINDERS**

Series SSM Stainless Steel Body Air Cylinders

**3/4" Bore Size
Single and Double Acting**

Mounting Style RP

Single Acting

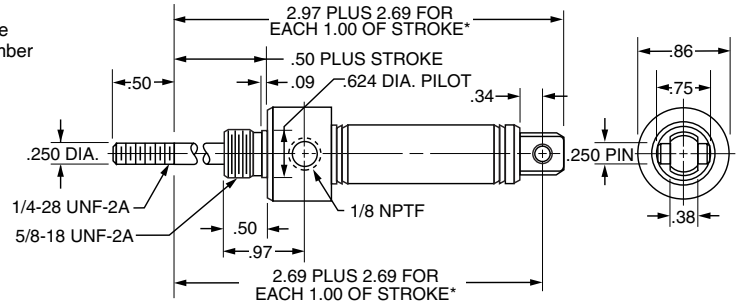
Spring Extend

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessories: L0 7130 0200 Rod Clevis
L0 7131 0200 Pivot Bracket

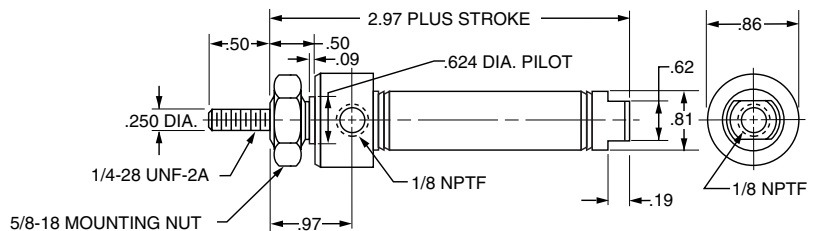
Mounting Style D

Double Acting

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 2", 2 1/2",
3", 4", 5", 6", 8", 10"

Maximum Stroke 12"



Optional Accessory:
L0 7379 0040 Foot Bracket

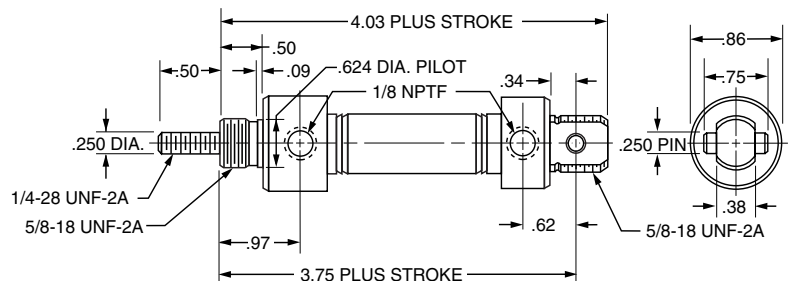
Mounting Style DP

Double Acting

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 2", 2 1/2",
3", 4", 5", 6", 8", 10"

Maximum Stroke 12"



Optional Accessories: L0 7131 0200 Pivot Bracket
L0 7130 0200 Rod Clevis

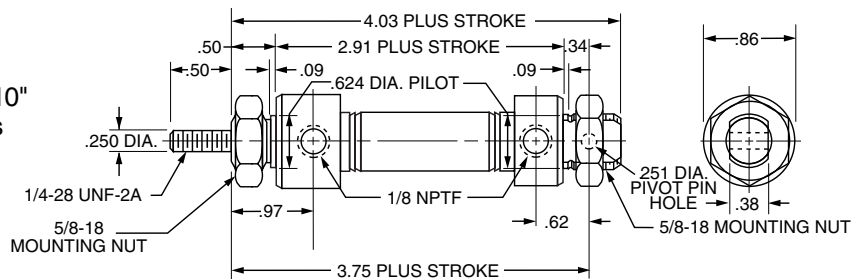
Mounting Style DXP

Double Acting

Double End or Rear Pivot Mounting

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6", 8", 10"

Strokes over 12" must be supported at both ends
Maximum Stroke 32"



Optional Accessories:
L0 7131 0200 Pivot Bracket with Pin
L0 7130 0200 Rod Clevis
L0 7379 0040 Foot Bracket

Mounting Style KDX

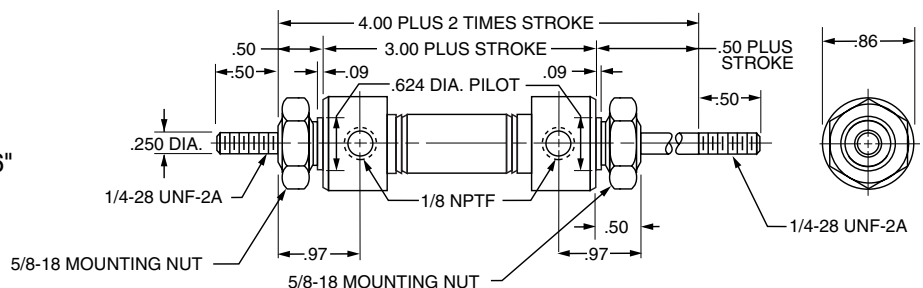
Double Acting

Double Rod

Double End Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"



Optional Accessory:
L0 7379 0040 Foot Bracket

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**ATLAS
CYLINDERS**

3/4" Bore Size
Single and Double Acting

Series SSM Block Mounted Stainless Steel Body Air Cylinders

Mounting Style BRN

Single Acting

Spring Return

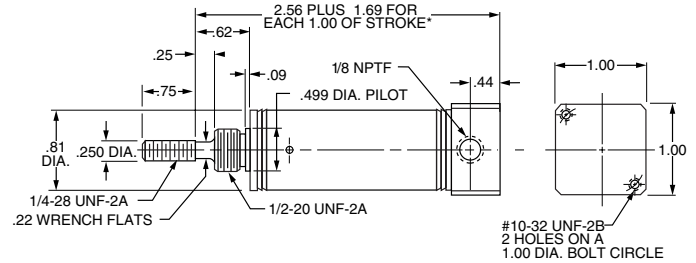
Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style BRR

Single Acting

Spring Extend

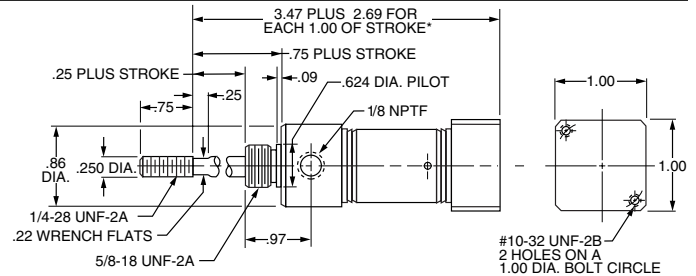
Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style BFD

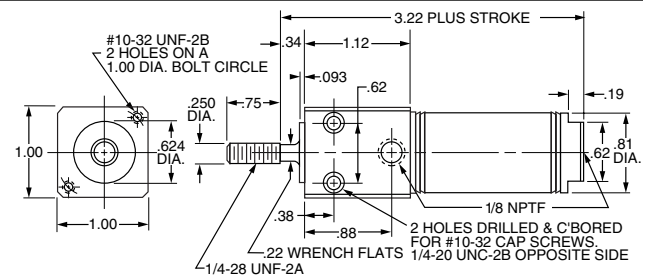
Double Acting

Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style BRD

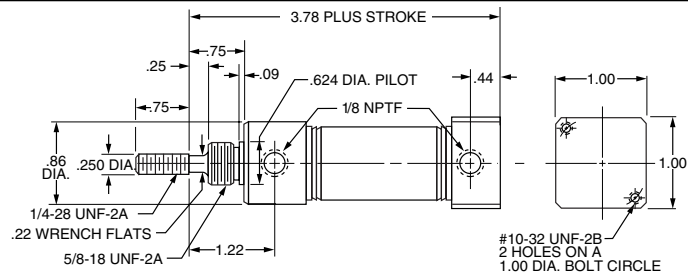
Double Acting

Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style BFN

Single Acting

Spring Return

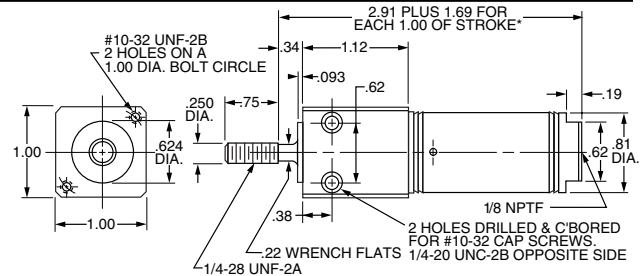
Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style BFR

Single Acting

Spring Extend

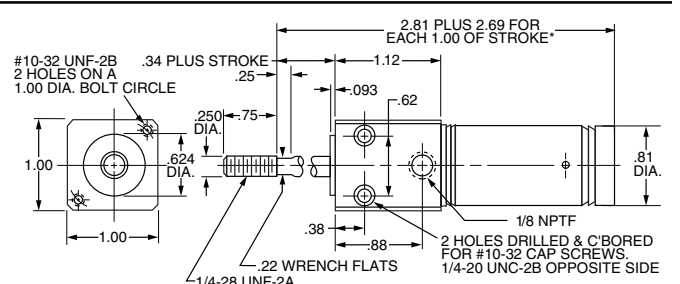
Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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**ATLAS
CYLINDERS**

Series SSM Trunnion Mounted Stainless Steel Body Air Cylinders

**3/4" Bore Size
Single and Double Acting**

Mounting Style TRN

Single Acting

Spring Return

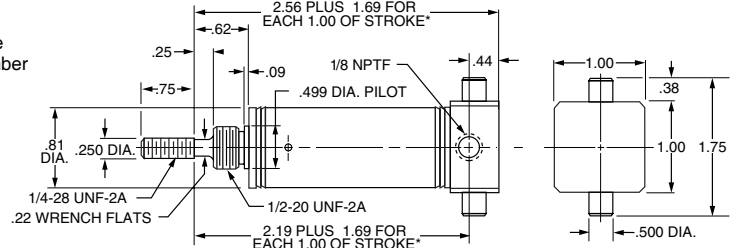
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TRR

Single Acting

Spring Extend

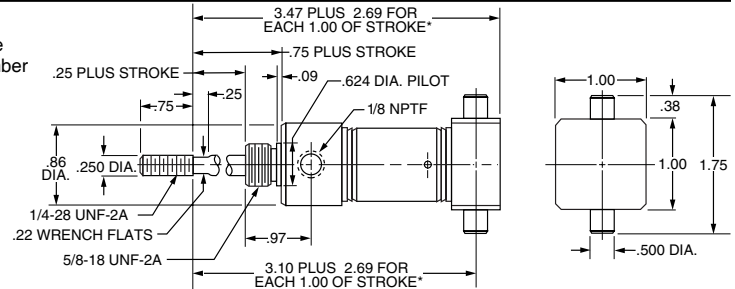
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style TFD

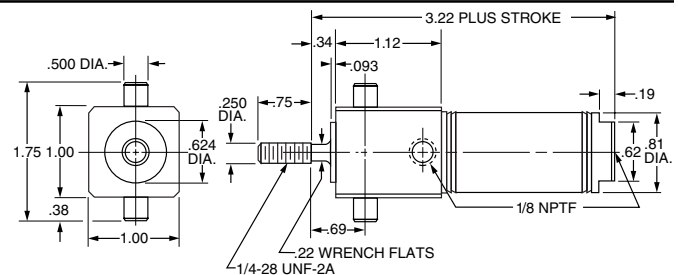
Double Acting

Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style TRD

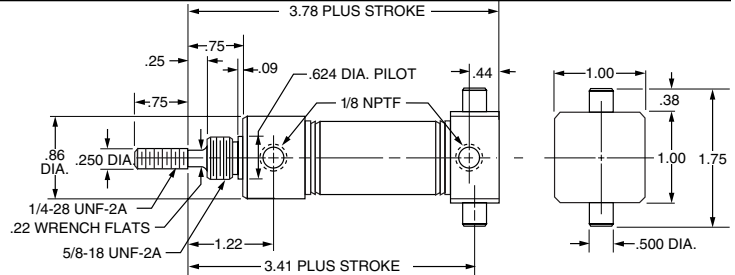
Double Acting

Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style TFN

Single Acting

Spring Return

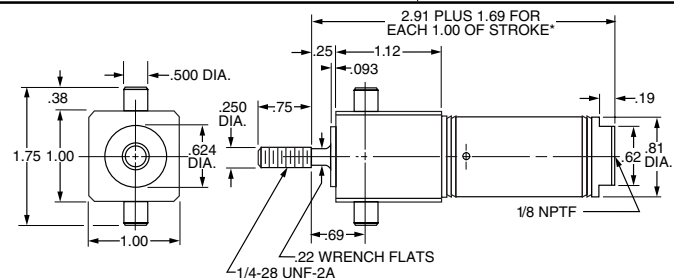
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TFR

Single Acting

Spring Extend

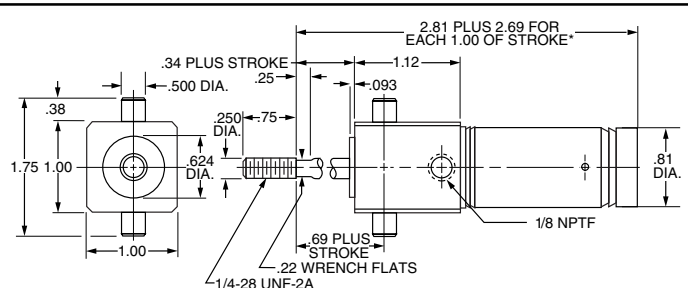
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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**ATLAS
CYLINDERS**

**1-1/16" Bore Size
Single Acting**

Series SSM Stainless Steel Body Air Cylinders

Mounting Style N

Single Acting

Spring Return

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

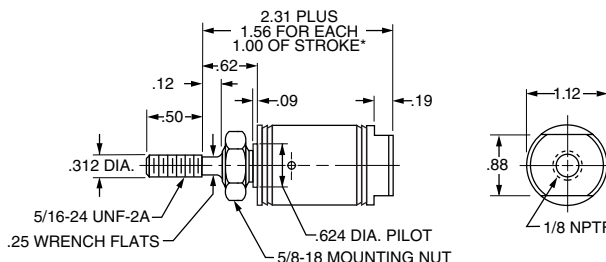
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Optional Accessory:

L0 7379 0040 Foot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge). Specify when ordering.



Mounting Style NR

Single Acting

Spring Return

Front Nose Mounting

Non-Rotating Hex Rod

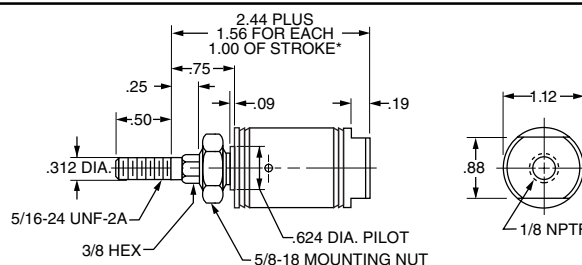
Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

Optional Accessory:

L0 7379 0040 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style NRP

Single Acting

Spring Return

Rear Pivot Mounting

Non-Rotating Hex Rod

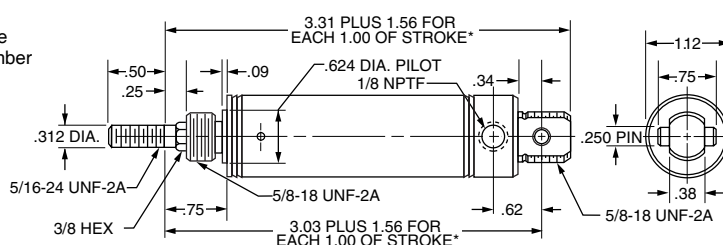
Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

Optional Accessories:

L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style P

Single Acting

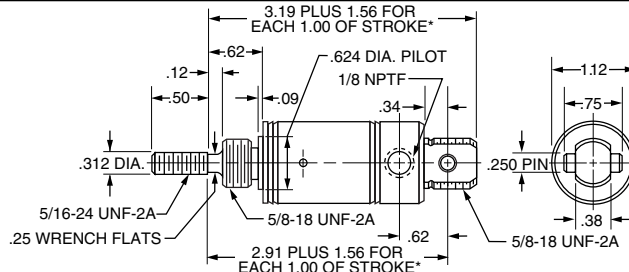
Spring Return

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

Mounting Style R

Single Acting

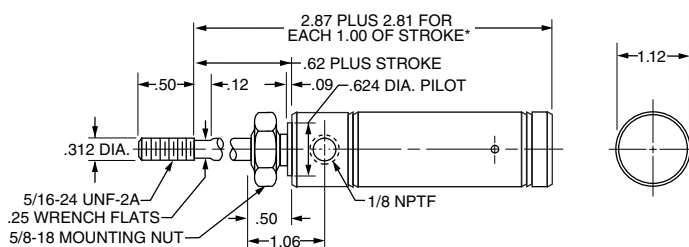
Spring Extend

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessory:

L0 7379 0040 Foot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge). Specify when ordering.

Mounting Style RP

Single Acting

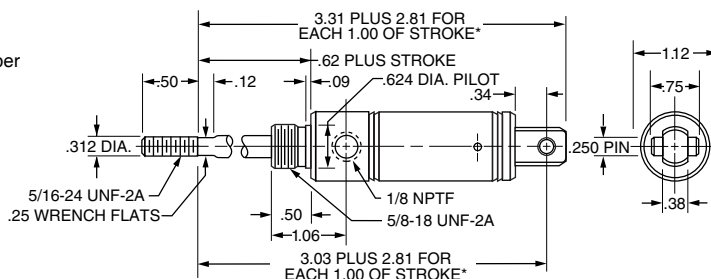
Spring Extend

Standard Stroke Lengths:

1/2", 1", 1 1/2", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessories:

L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge). Specify when ordering.

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■ Dorval, Quebec, Can.
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**ATLAS
CYLINDERS**

Series SSM

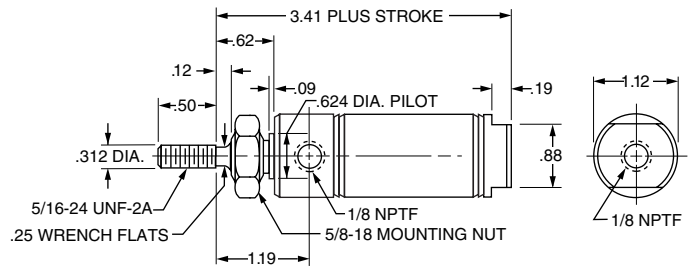
Stainless Steel Body Air Cylinders

1-1/16" Bore Size Double Acting

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4", 5", 6", 8", 10", 12"

Maximum Stroke 12"



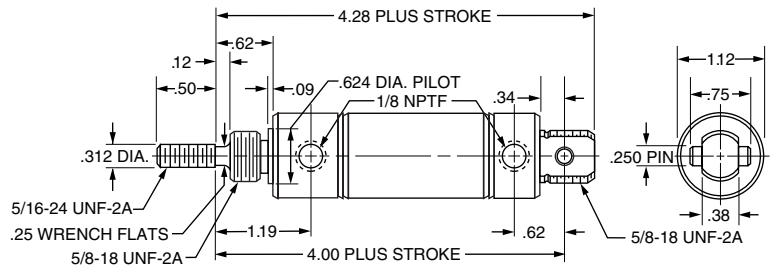
L0 7379 0040 Foot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge). Specify when ordering.

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 2 1/2", 3", 4", 5", 6", 7", 8", 10", 12"

Maximum Stroke 32"

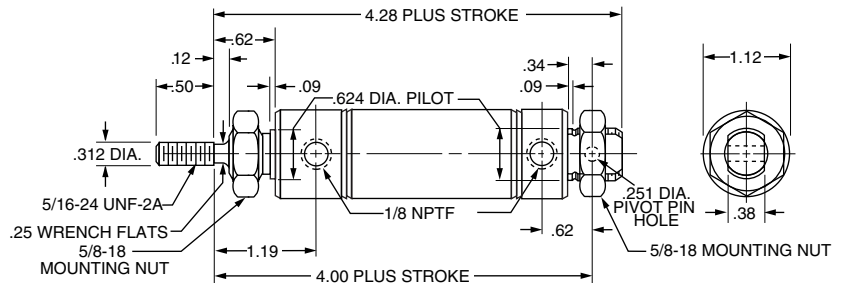


Optional Accessories: L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

Double End or Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4", 5", 6", 7", 8", 10", 12"

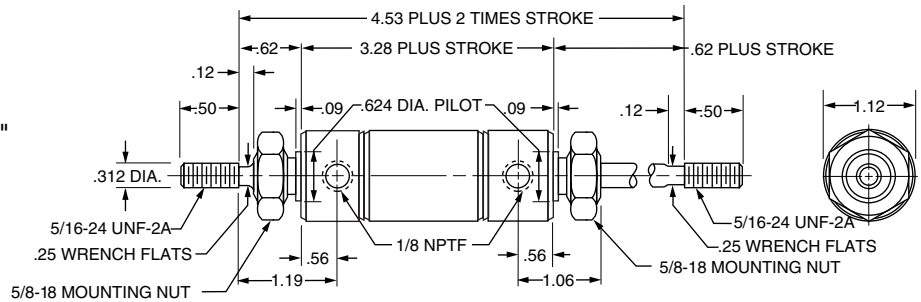
Strokes over 12" must be supported at both ends
Maximum Stroke 32"



Optional Accessories: 114317 0040 Foot Bracket
L0 7130 0300 Rod Clevis
L0 7132 0200 Pivot Bracket

Double End Mounting — Double Rod

Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

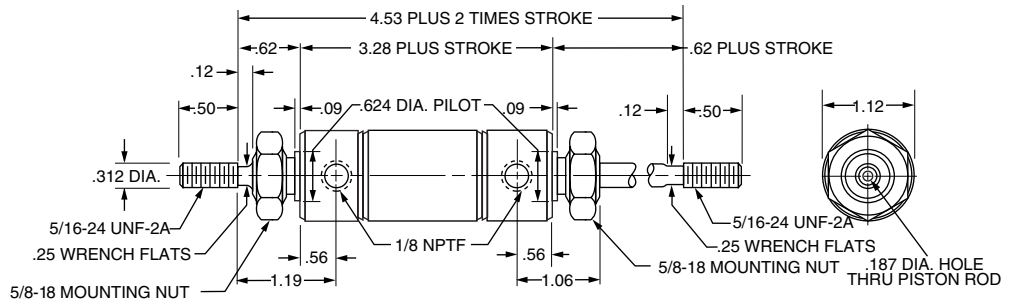


Optional Accessory:
L0 7379 0040 Foot Bracket

Double End Mounting

Double Hollow Rod
Standard Stroke Lengths: 1", 2", 3",
4", 5", 6"

Maximum Stroke 12"

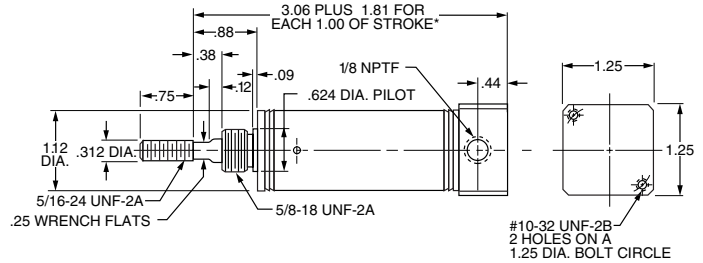


Optional Accessory:
L0 7379 0040 Foot Bracket

Series SSM Block Mounted Stainless Steel Body Air Cylinders

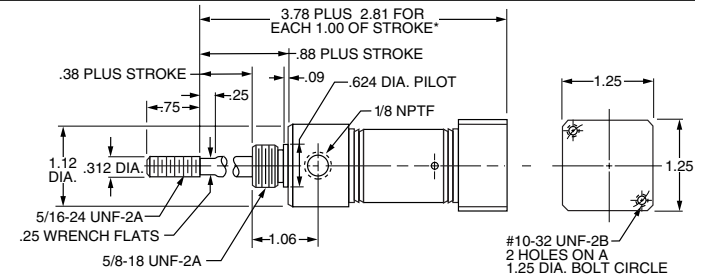
* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Maximum Stroke 6"

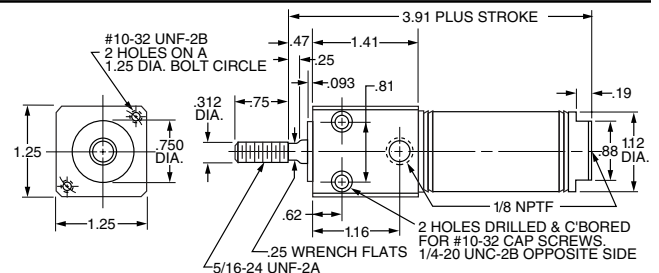


* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

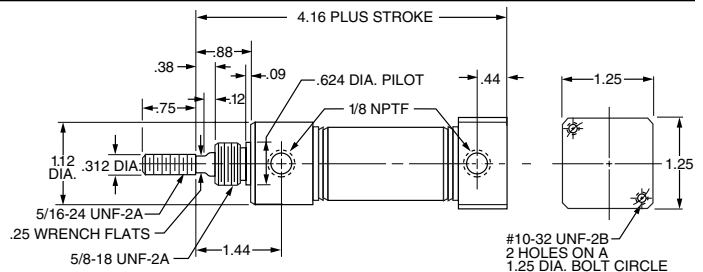
Maximum Stroke 6"



Maximum Stroke 12"

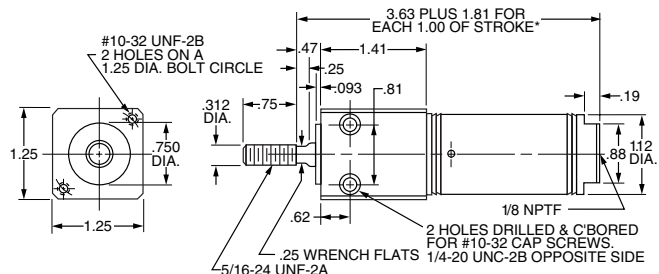


Maximum Stroke 12"



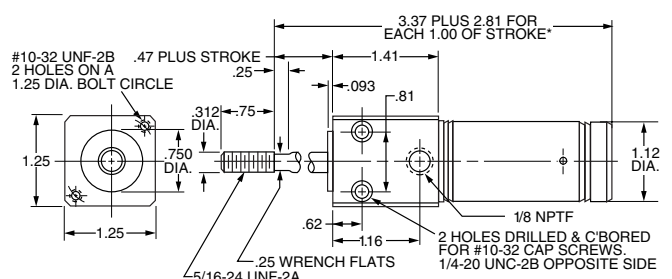
* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Maximum Stroke 6"



* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

Maximum Stroke 6"



■ Dorval, Quebec, Can.
514/684-3000

ATLAS CYLINDERS

Series SSM Trunnion Mounted Stainless Steel Body Air Cylinders

**1-1/16" Bore Size
Single and Double Acting**

Mounting Style TRN

Single Acting

Spring Return

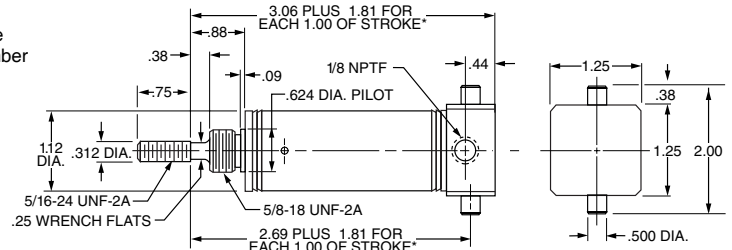
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TRR

Single Acting

Spring Extend

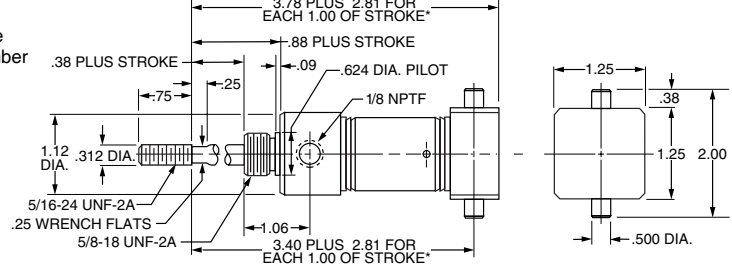
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style TFD

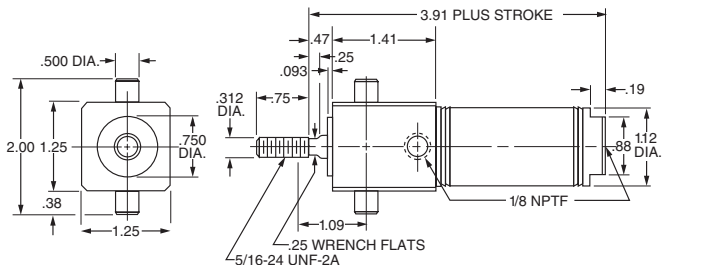
Double Acting

Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style TRD

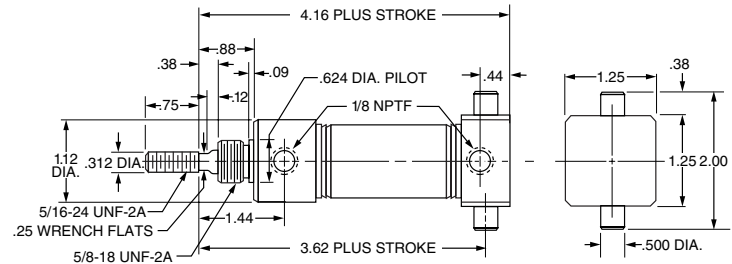
Double Acting

Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 12"



Mounting Style TFN

Single Acting

Spring Return

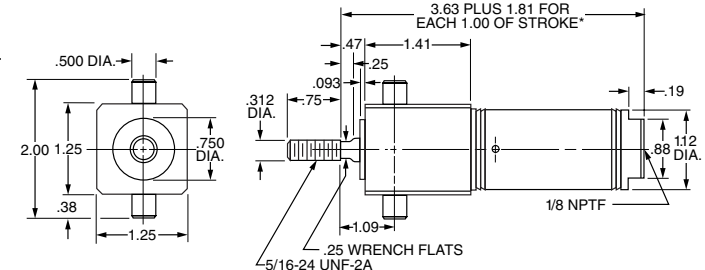
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TFR

Single Acting

Spring Extend

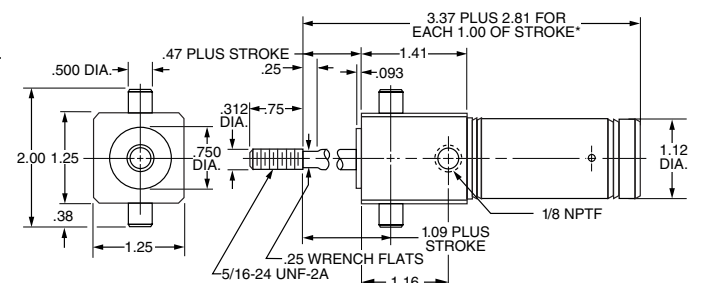
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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**ATLAS
CYLINDERS**

**1-1/4" Bore Size
Single Acting**

Series SSM Stainless Steel Body Air Cylinders

Mounting Style N

Single Acting

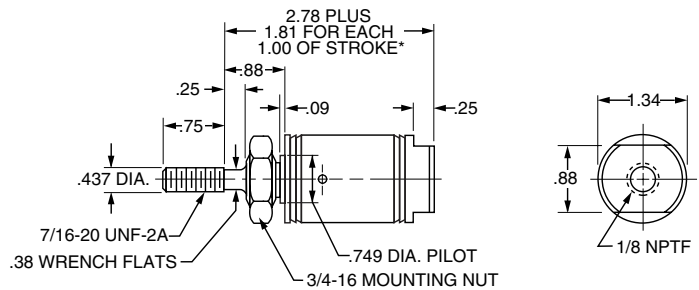
Spring Return

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

Mounting Style NR

Single Acting

Spring Return

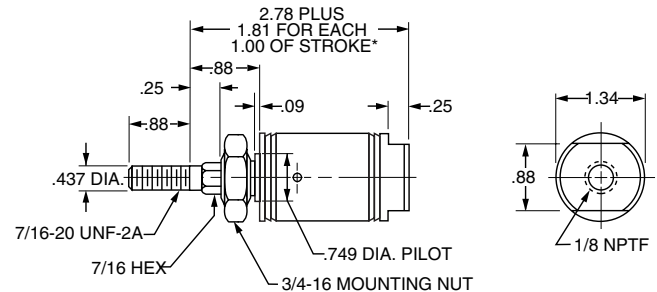
Front Nose Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

Mounting Style NRP

Single Acting

Spring Return

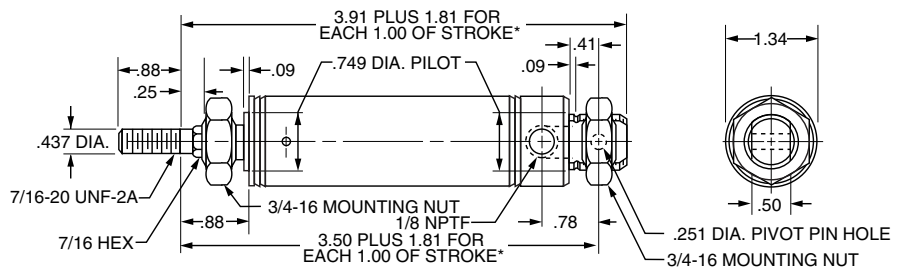
Double End or Rear Pivot Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories: L0 7130 0400 Rod Clevis

L0 7132 0300 Pivot Bracket with Pin

L0 7379 0048 Foot Bracket

Mounting Style P

Single Acting

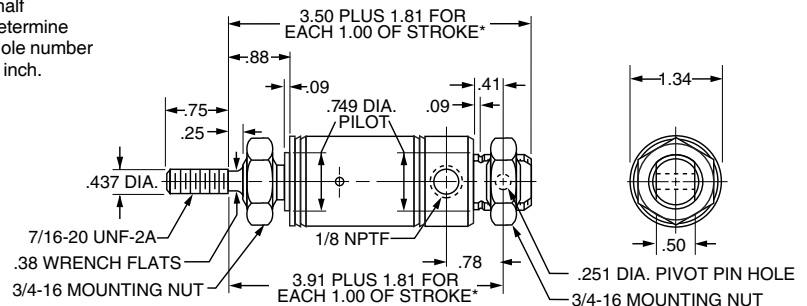
Spring Return

Double End or Rear Pivot Mounting

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories: L0 7130 0400 Rod Clevis

L0 7132 0300 Pivot Bracket with Pin

L0 7379 0048 Foot Bracket

Mounting Style R

Single Acting

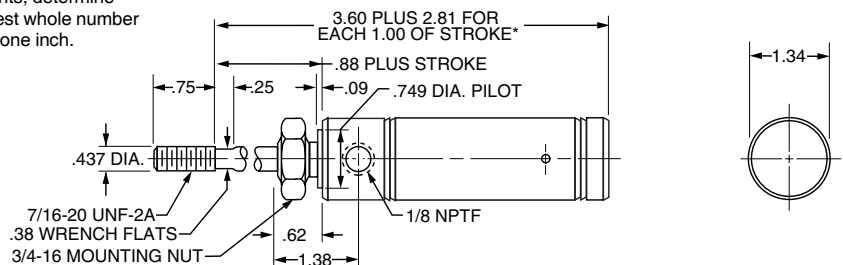
Spring Extend

Front Nose Mounting

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

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■ Enfield, CT
860/749-2215
■ Atlanta, GA
770/819-3400

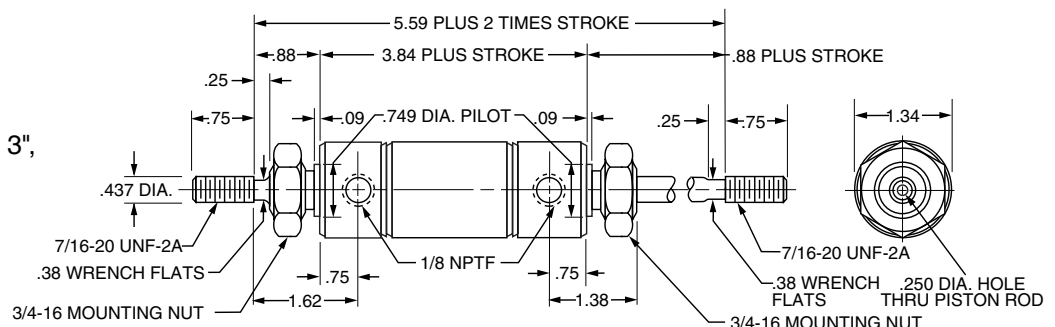
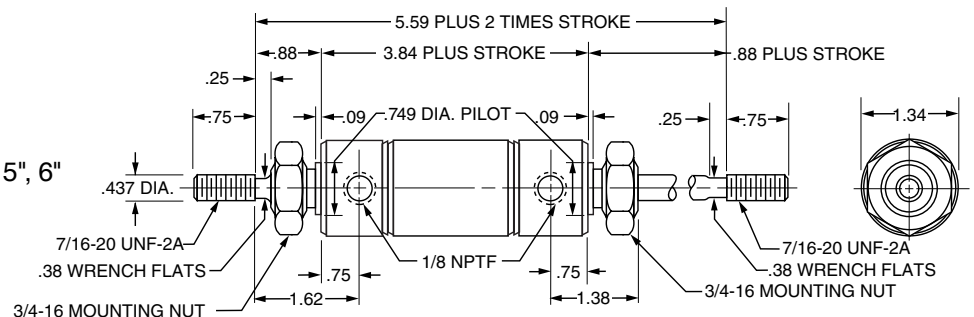
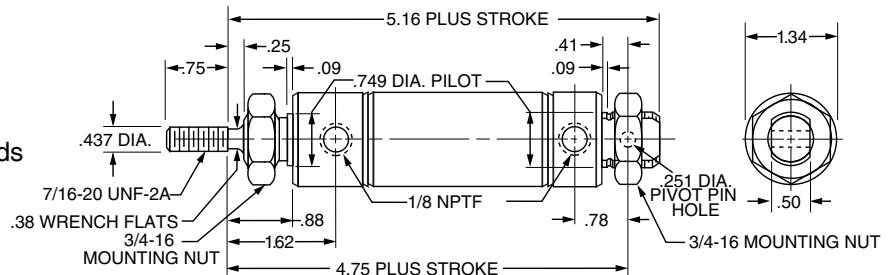
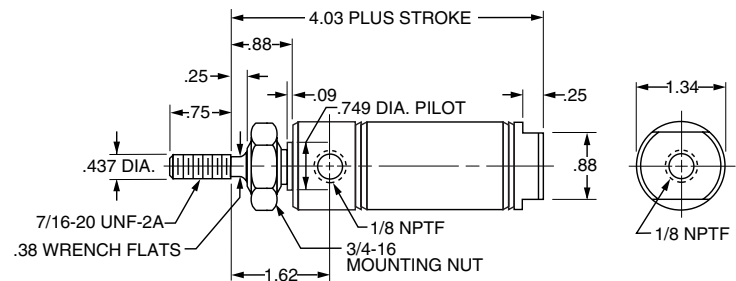
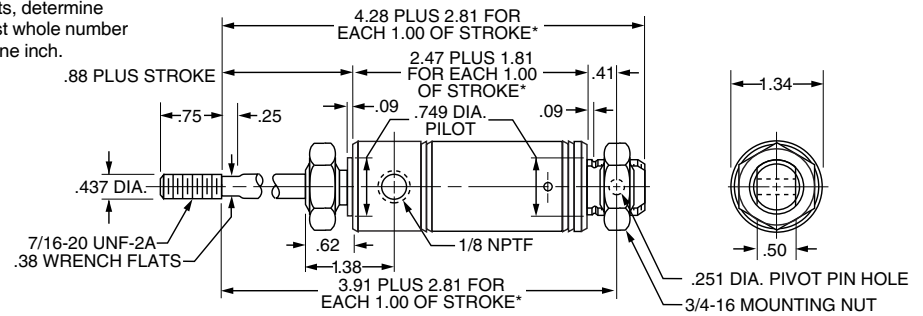
■ Goodland, IN
219/297-3182
■ Plymouth, MI
734/455-1700

■ Hillsborough, NC
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**ATLAS
CYLINDERS**

1-1/4" Bore Size Single and Double Acting



**1-1/2" Bore Size
Single Acting**

Series SSM Stainless Steel Body Air Cylinders

Mounting Style N

Single Acting

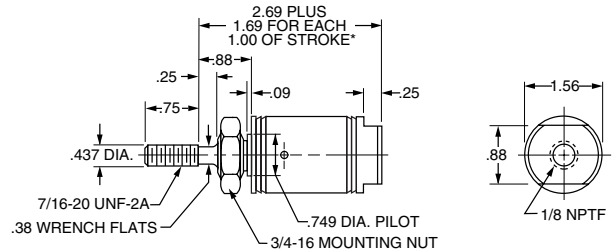
Spring Return

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

Mounting Style NR

Single Acting

Spring Return

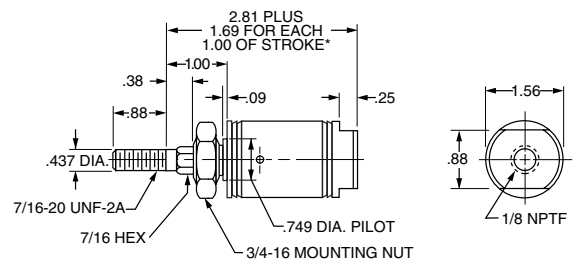
Front Nose Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

Mounting Style NRP

Single Acting

Spring Return

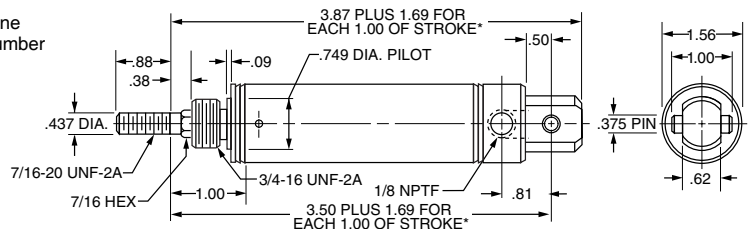
Rear Pivot Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0400 Rod Clevis
L0 7131 0300 Pivot Bracket

Mounting Style P

Single Acting

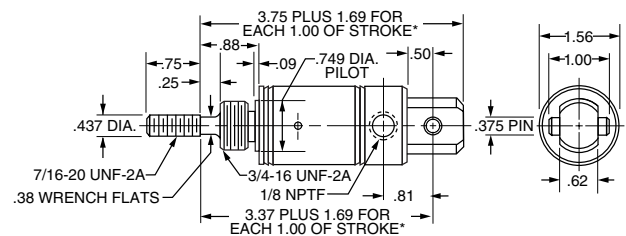
Spring Return

Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories:

L0 7130 0400 Rod Clevis
L0 7131 0300 Pivot Bracket

Mounting Style R

Single Acting

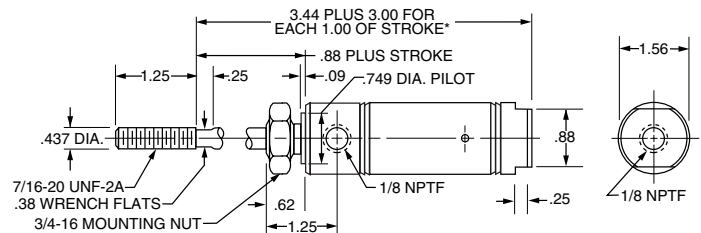
Spring Extend

Front Nose Mounting

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessory:

L0 7379 0048 Foot Bracket

Mounting Style RP

Single Acting

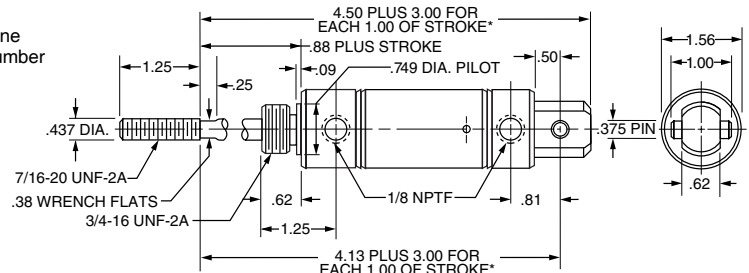
Spring Extend

Rear Pivot Mounting

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessories:

L0 7130 0400 Rod Clevis
L0 7131 0300 Pivot Bracket

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**ATLAS
CYLINDERS**

Series SSM Stainless Steel Body Air Cylinders

**1-1/2" Bore Size
Double Acting**

Mounting Style D

Double Acting

Front Nose Mounting

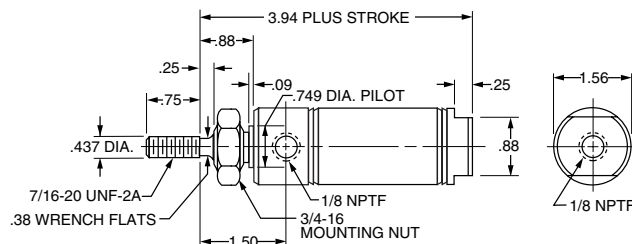
Standard Stroke Lengths: 1/2", 1", 2",

3", 4", 5", 6", 8", 10", 12"

Maximum Stroke 12"

Optional Accessory:

L0 7379 0048 Foot Bracket



Mounting Style DP

Double Acting

Rear Pivot Mounting

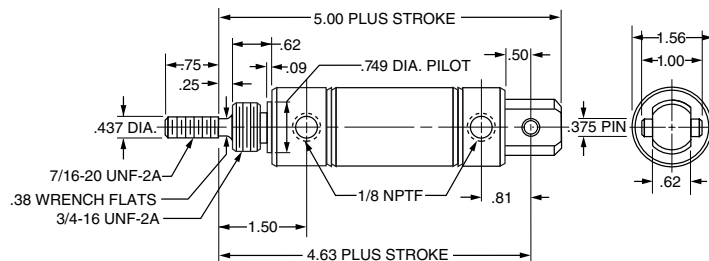
Standard Stroke Lengths: 1", 2", 3",

4", 5", 6", 8", 10", 12"

Maximum Stroke 12"

Optional Accessories: L0 7130 0400 Rod Clevis

L0 7131 0300 Pivot Bracket



Mounting Style DX

Double Acting

Double End Mounting

Standard Stroke Lengths: 1", 2", 3",

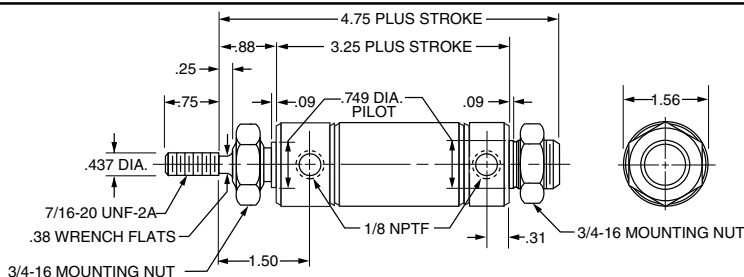
4", 5", 6", 8", 10", 12"

Strokes over 12" must be supported at both ends

Maximum Stroke 32"

Optional Accessory:

L0 7379 0048 Foot Bracket



Mounting Style DXP

Double Acting

Double End Mounting

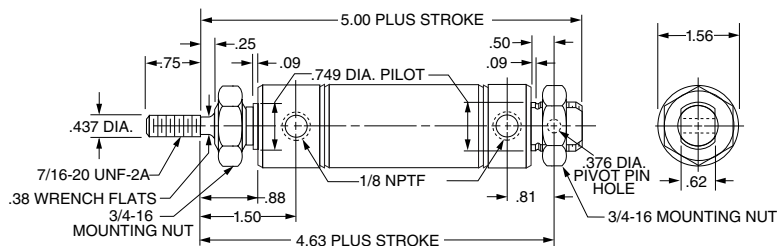
Strokes over 12" must be supported at both ends

Maximum Stroke 32"

Optional Accessories: L0 7379 0048 Foot Bracket

L0 7132 0400 Pivot Bracket with Pin

L0 7130 0400 Rod Clevis



Mounting Style KDX

Double Acting

Double End Mounting — Double Rod

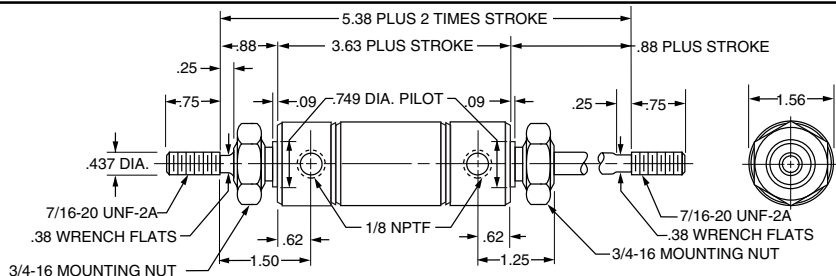
Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"

Optional Accessory:

L0 7379 0048 Foot Bracket



Mounting Style KDXH

Double Acting

Double End Mounting

Double Hollow Rod

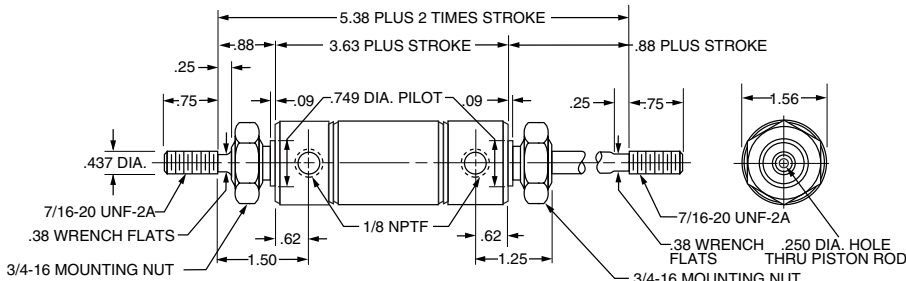
Standard Stroke Lengths: 1", 2", 3",

4", 5", 6"

Maximum Stroke 12"

Optional Accessory:

L0 7379 0048 Foot Bracket



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**ATLAS
CYLINDERS**

**1-1/2" Bore Size
Single and Double Acting**

Series SSM Block Mounted Stainless Steel Body Air Cylinders

Mounting Style BRN

Single Acting

Spring Return

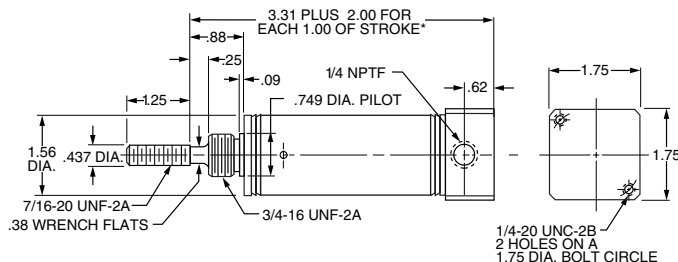
Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style BRR

Single Acting

Spring Extend

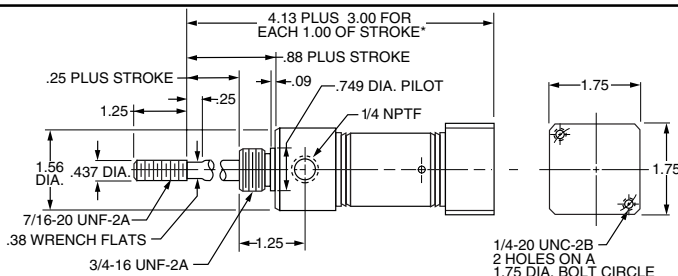
Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style BFD

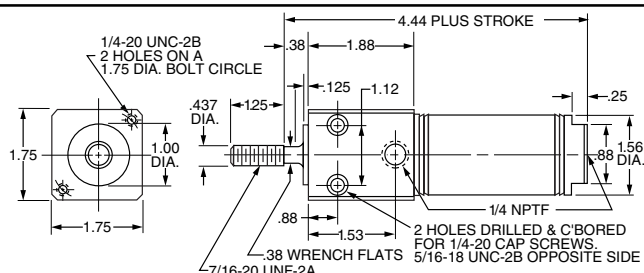
Double Acting

Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style BRD

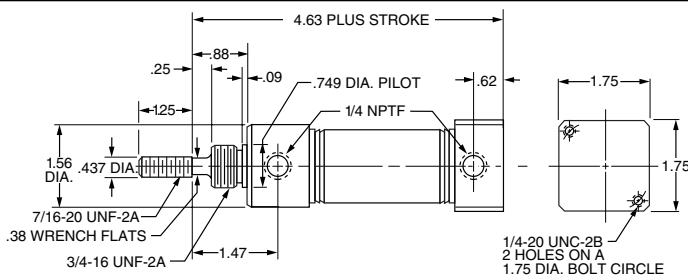
Double Acting

Rear Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style BFN

Single Acting

Spring Return

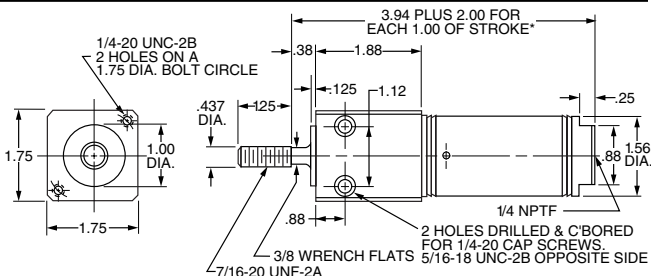
Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style BFR

Single Acting

Spring Extend

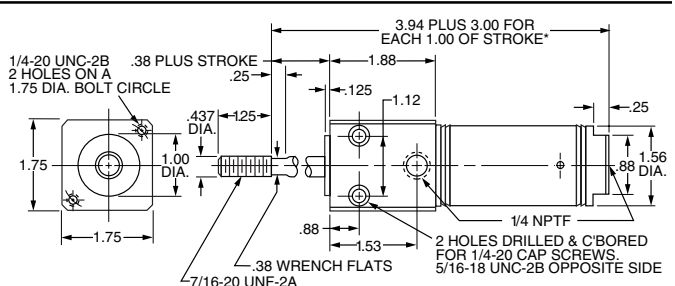
Front Block Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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**ATLAS
CYLINDERS**

Series SSM Trunnion Mounted Stainless Steel Body Air Cylinders

**1-1/2" Bore Size
Single and Double Acting**

Mounting Style TRN

Single Acting

Spring Return

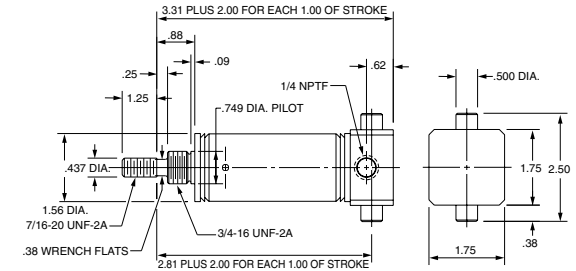
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TRR

Single Acting

Spring Extend

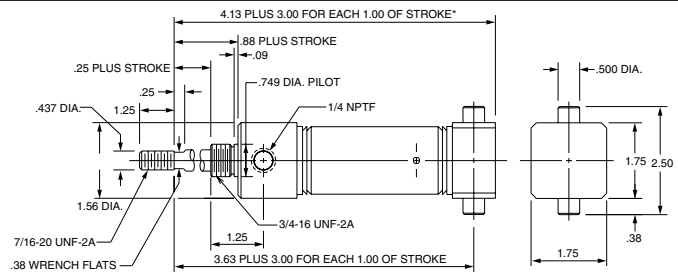
Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Mounting Style TFD

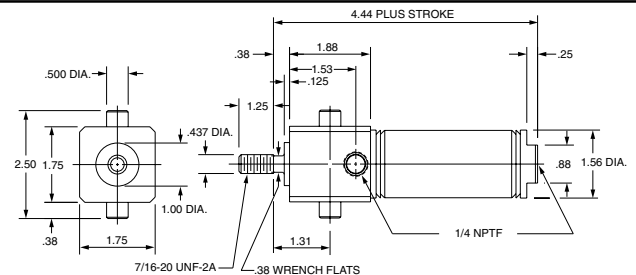
Double Acting

Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style TRD

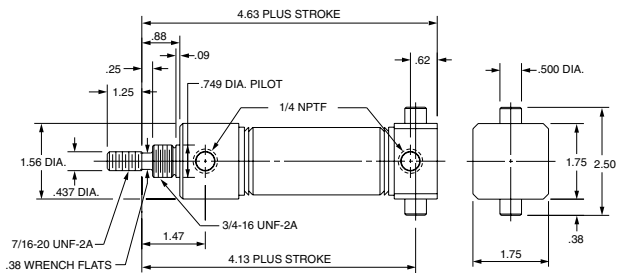
Double Acting

Rear Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"

Maximum Stroke 12"



Mounting Style TFN

Single Acting

Spring Return

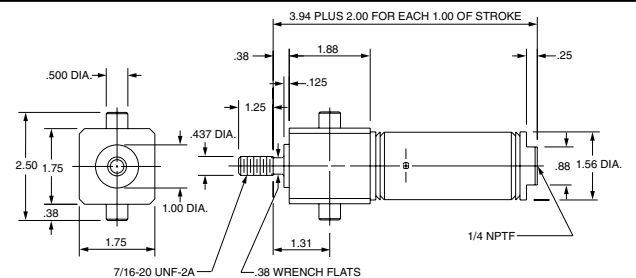
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Mounting Style TFR

Single Acting

Spring Extend

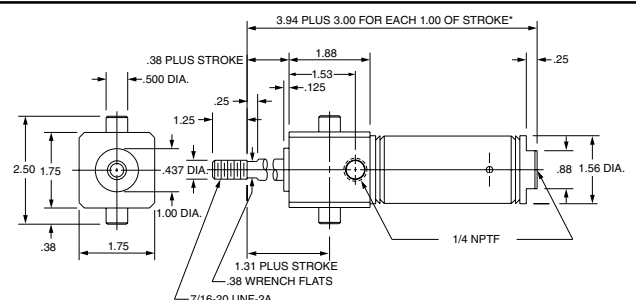
Front Trunnion Mounting

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4"

Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



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**ATLAS
CYLINDERS**

**1-3/4" Bore Size
Single Acting**

Series SSM Stainless Steel Body Air Cylinders

Mounting Style N

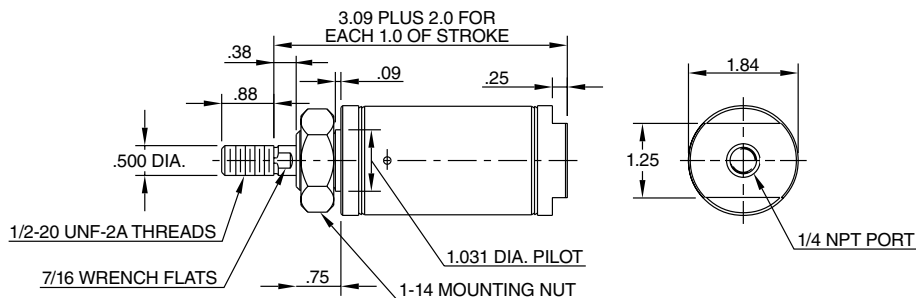
Single Acting

Spring Return

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4"

Maximum Stroke 6"



Optional Accessory:

L0 7379 0102 Foot Bracket

Mounting Style NR

Single Acting

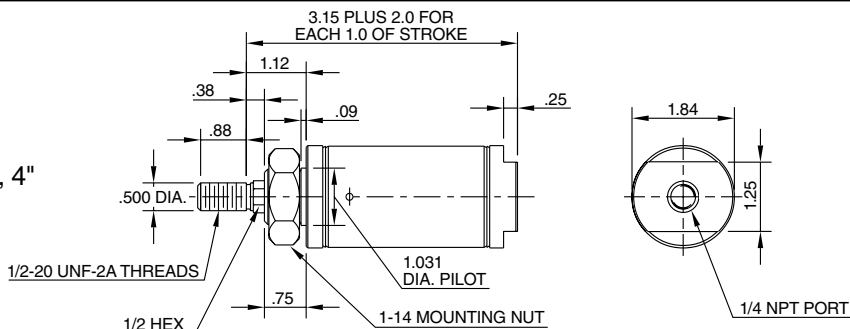
Spring Return

Front Nose Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 2 1/2", 3", 4"

Maximum Stroke 6"



Optional Accessory:

L0 7379 0102 Foot Bracket

Mounting Style NRP

Single Acting

Spring Return

Rear Pivot or Double End Mounting

Non-Rotating Hex Rod

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 2 1/2", 3", 4"

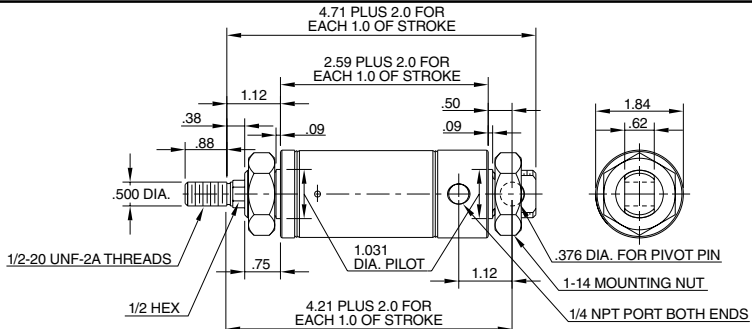
Maximum Stroke 6"

Optional Accessories:

L0 7130 0500 Rod Clevis

L0 7132 0400 Pivot Brackets

L0 7379 0102 Foot Bracket



Mounting Style P

Single Acting

Spring Return

Double End or Rear Pivot Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 2 1/2", 3", 4"

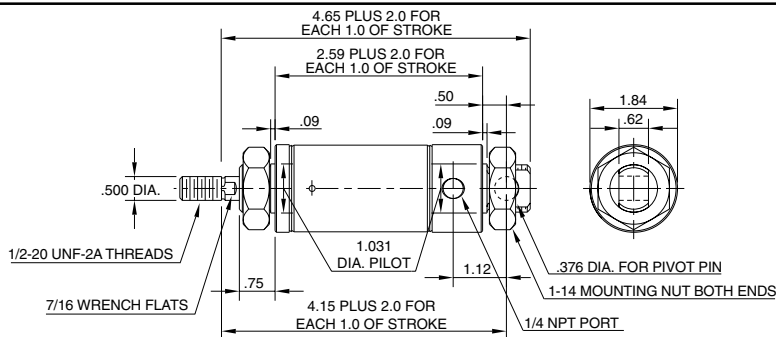
Maximum Stroke 6"

Optional Accessories:

L0 7130 0500 Rod Clevis

L0 7132 0400 Pivot Brackets

L0 7379 0102 Foot Bracket



Mounting Style R

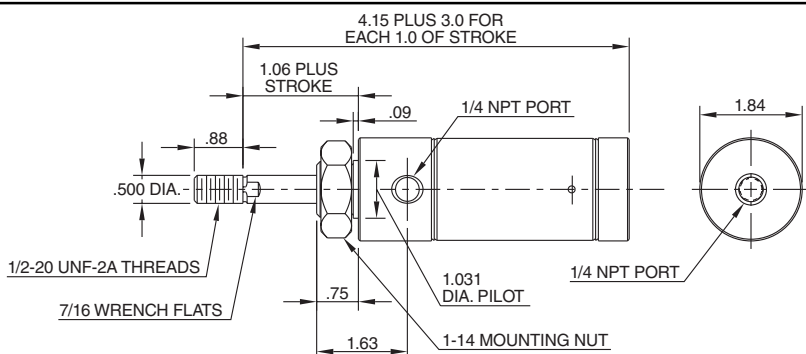
Single Acting

Spring Extend

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2", 2 1/2", 3", 4"

Maximum Stroke 6"



Optional Accessory:

L0 7379 0102 Foot Bracket

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ATLAS CYLINDERS

Series SSM Stainless Steel Body Air Cylinders

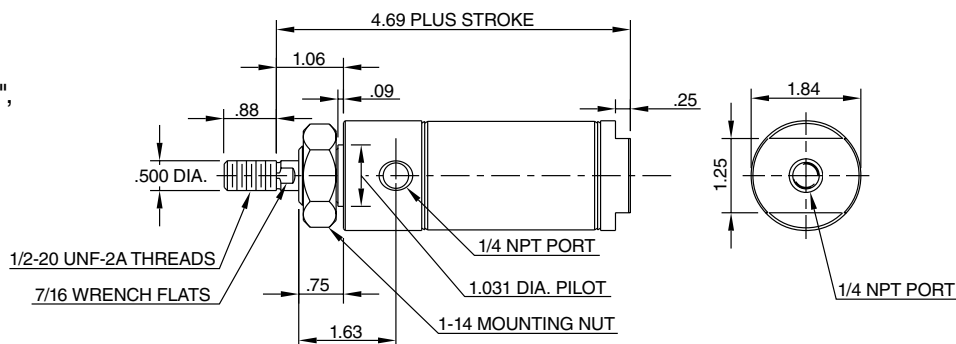
1-3/4" Bore Size
Double Acting

Mounting Style D

Double Acting

Front Nose Mounting

Standard Stroke Lengths: 1/2", 1", 1 1/2", 2",
2 1/2", 3", 4", 5", 6"
Maximum Stroke 12"



Optional Accessory:

L0 7379 0102 Foot Bracket

Mounting Style DXP

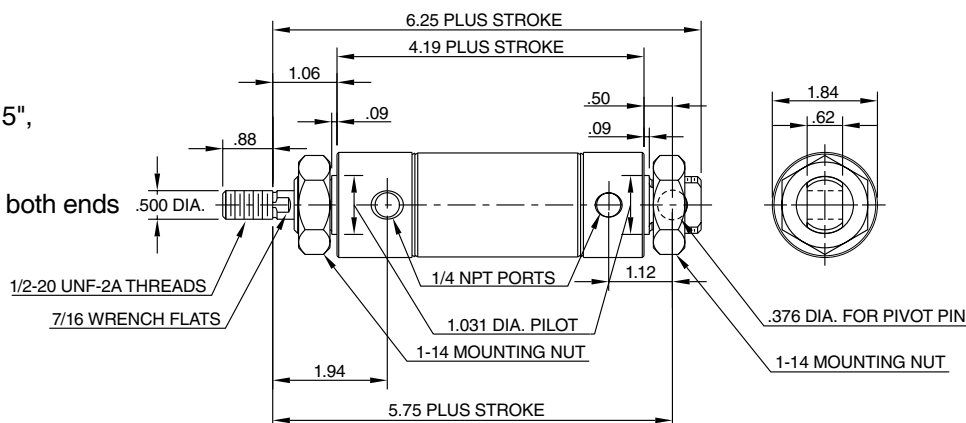
Double Acting

Double End Mounting

Standard Stroke Lengths: 1", 2", 3", 4", 5",
6", 8", 10", 12"

Maximum Stroke 32"

Strokes over 12" must be supported at both ends



Optional Accessories:

L0 7130 0500 Rod Clevis
L0 7132 0400 Pivot Brackets
L0 7379 0102 Foot Bracket

Mounting Style KDX

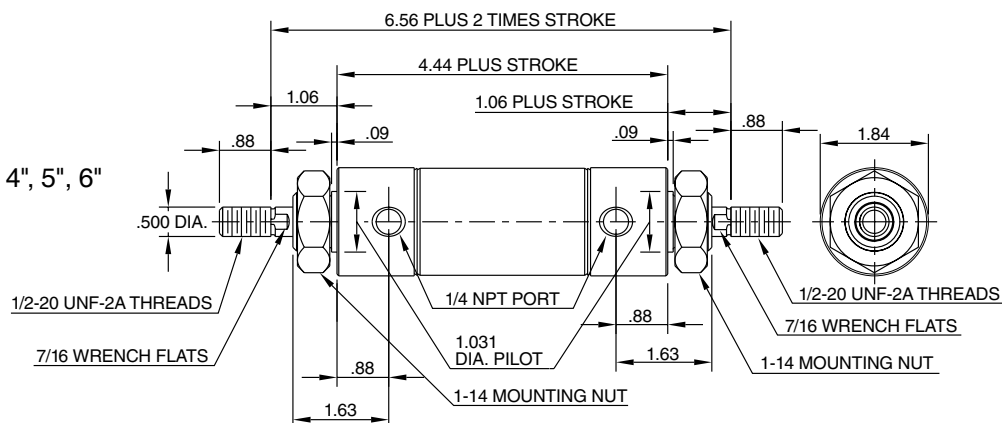
Double Acting

Double End Mounting

Double Rod

Stainless Steel Rod Standard

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"



Optional Accessory:

L0 7379 0102 Foot Bracket

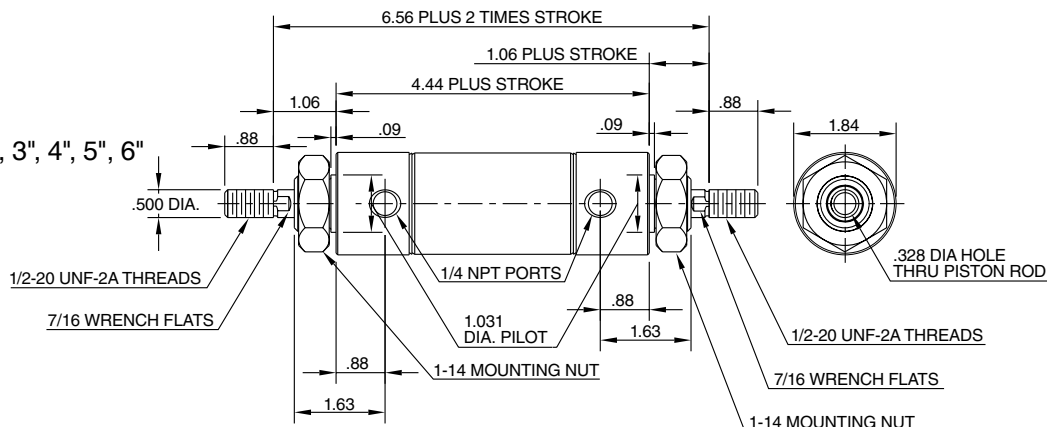
Mounting Style KDXH

Double Acting

Double End Mounting

Double Hollow Rod

Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"



Optional Accessory:

L0 7379 0102 Foot Bracket

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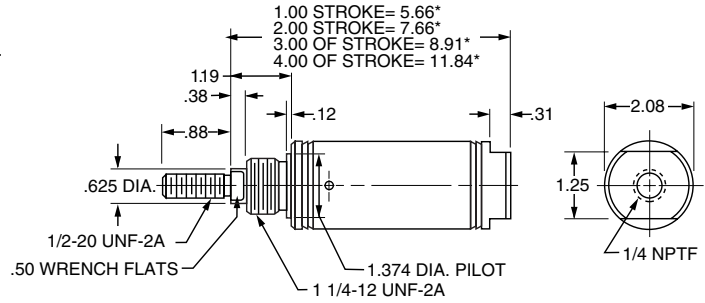
**ATLAS
CYLINDERS**

**2" Bore Size
Single Acting**

Series SSM Stainless Steel Body Air Cylinders

Mounting Style N
Single Acting
Spring Return
Front Nose Mounting
Maximum Stroke 4"

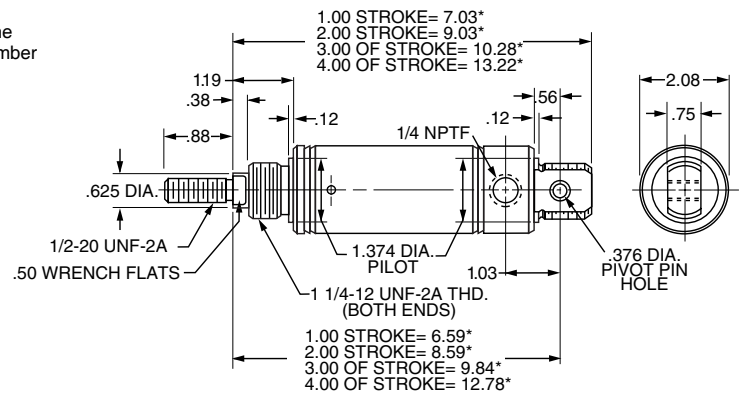
* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style P
Single Acting
Spring Return
Double End or Rear Pivot Mounting
Maximum Stroke 4"

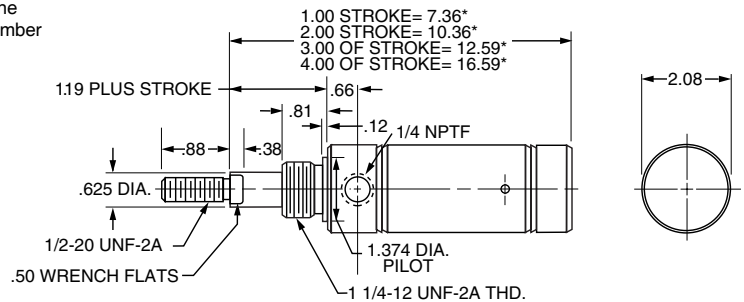
* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



Optional Accessories: L0 7130 0500 Rod Clevis
L0 7132 0500 Pivot Bracket
L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style R
Single Acting
Spring Extend
Front Nose Mounting
Maximum Stroke 4"

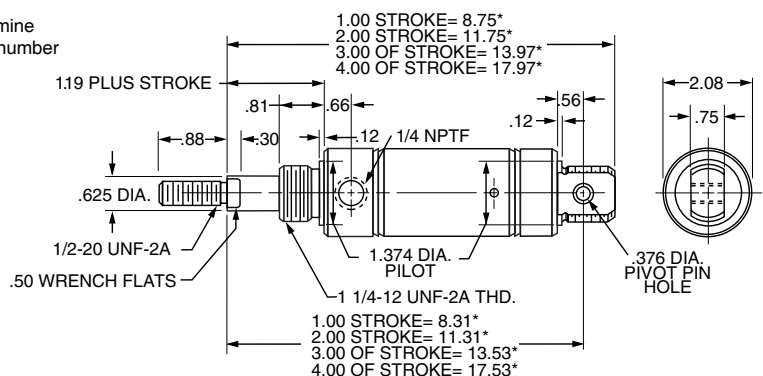
* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style RP
Single Acting
Spring Extend
Rear Pivot Mounting
Maximum Stroke 4"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.



Optional Accessories: L0 7130 0500 Rod Clevis
L0 7132 0500 Pivot Bracket
L0 7379 0124 Foot Bracket
L0 7379 1200 Mounting Nut

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**ATLAS
CYLINDERS**

Series SSM Stainless Steel Body Air Cylinders

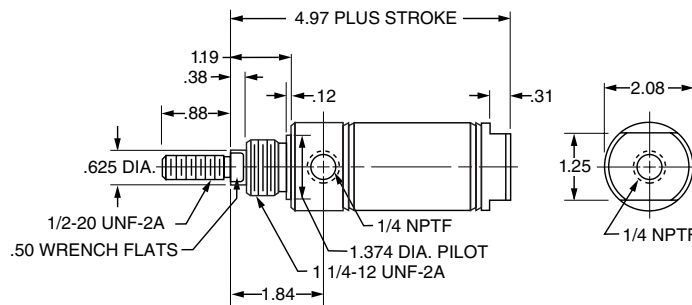
**2" Bore Size
Double Acting**

Mounting Style D

Double Acting

Front Nose Mounting

Maximum Stroke 12"



Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

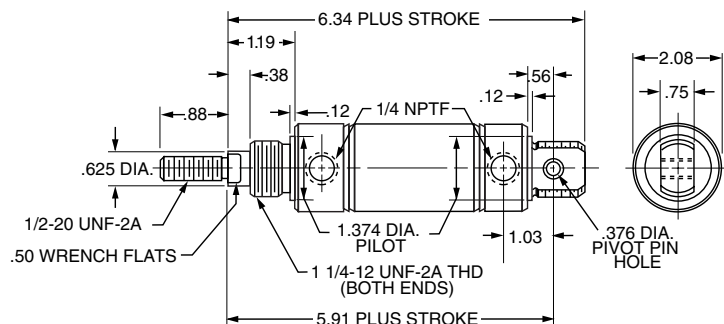
Mounting Style DXP

Double Acting

Double End or Rear Pivot Mounting

Strokes over 12" must be supported at both ends

Maximum Stroke 32"



Optional Accessories: L0 7130 0500 Rod Clevis
L0 7132 0500 Pivot Bracket
L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style KDX

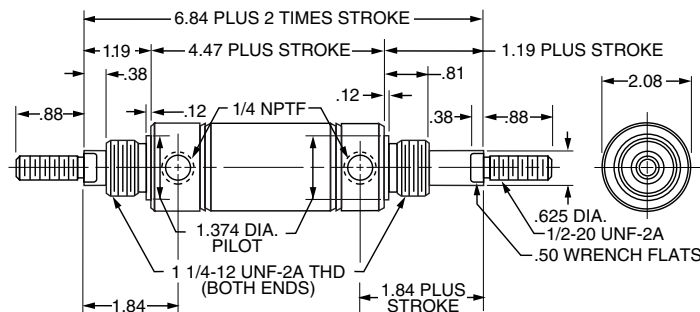
Double Acting

Double End Mounting

Double Rod

Stainless Steel Rod Standard

Maximum Stroke 12"



Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

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**ATLAS
CYLINDERS**

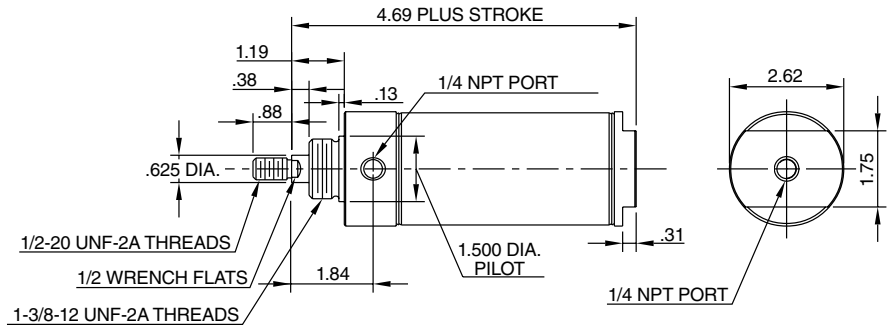
**2-1/2" Bore Size
Double Acting**

Series SSM Stainless Steel Body Air Cylinders

Mounting Style D

Double Acting

Front Nose Mounting
Maximum Stroke 12"



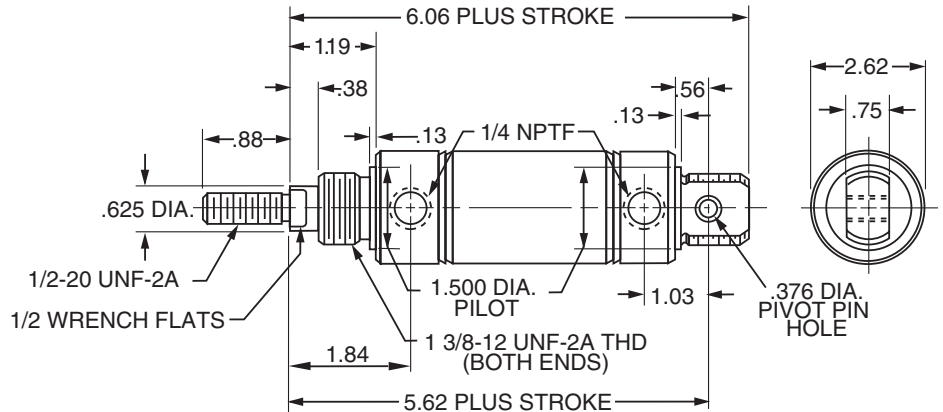
Optional Accessories:

L0 7139 0132 Foot Bracket
L0 7380 1400 Mounting Nut

Mounting Style DXP

Double Acting

Double End or Rear Pivot Mounting
Strokes over 12" must be supported
at both ends
Maximum Stroke 32"



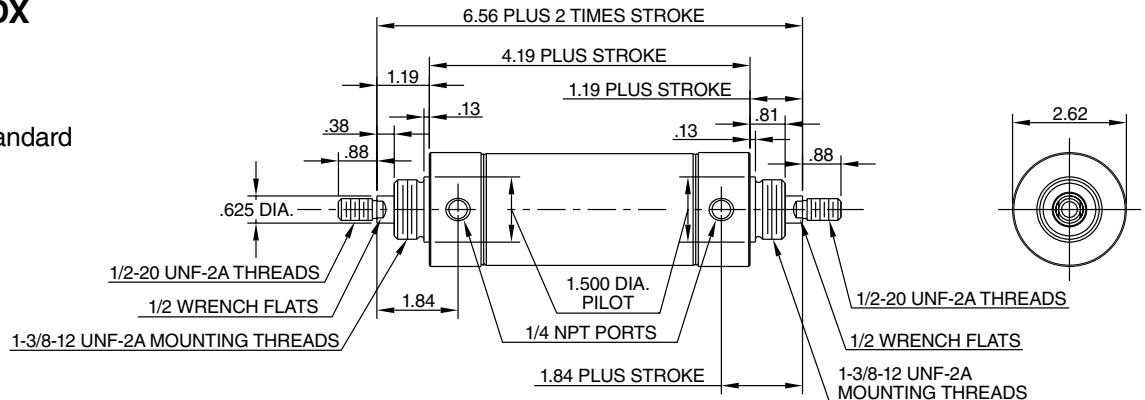
Optional Accessories:

L0 7130 0500 Rod Clevis
L0 7379 0132 Foot Bracket
L0 7132 0500 Pivot Brackets
L0 7380 1400 Mounting Nut

Mounting Style KDX

Double Acting

Double End Mounting
Double Rod
Stainless Steel Rod Standard
Maximum Stroke 12"



Optional Accessories:

L0 7379 0132 Foot Bracket
L0 7380 1400 Mounting Nut

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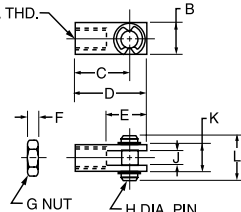
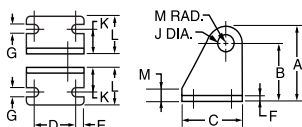
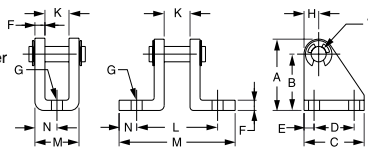
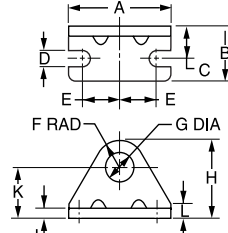
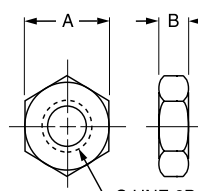
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**ATLAS
CYLINDERS**

Series SSM Stainless Steel Body Air Cylinders

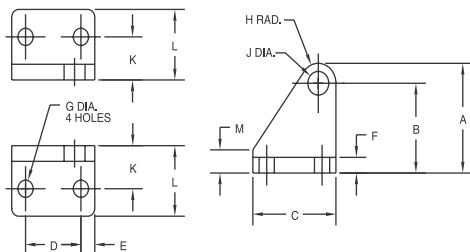
Standard Accessories
with Dimensions

Standard Accessories with Dimensions

Standard Accessories	Part Number	Bore Used On	Dimensional Data													
			A	B	C	D	E	F	G	H	J	K	L	M	N	
Piston Rod Clevis Assembly includes pin and (2) Retainer Rings and (1) Jam Nut. 	L07130 0100	9/16	#10-32	.38	.75	.94	.56	.12	#10-32	.19	.19	.38	.56	—	—	
	L07130 0200	3/4	1/4-28	.50	.94	1.19	.68	.16	1/4-28	.25	.25	.50	.69	—	—	
	L07130 0300	1 1/16	5/16-24	.50	.94	1.19	.68	.19	5/16-24	.25	.25	.50	.69	—	—	
	L07130 0400	1 1/4, 1 1/2	7/16-20	.75	1.31	1.69	.94	.25	7/16-20	.38	.38	.75	1.03	—	—	
	L07130 0500	1 3/4, 2, 2 1/2	1/2-20	.75	1.31	1.69	.94	.31	1/2-20	.38	.38	.75	1.03	—	—	
Pivot Brackets 	L07131 0200	3/4, 1 1/16	1.19	.88	1.12	.75	.19	.12	.27	.31	.255	.44	.81	.25	—	
	L07131 0300	1 1/2	1.75	1.38	1.50	1.00	.25	.12	.27	.38	.380	.62	1.00	.25	—	
Pivot Brackets Assembly includes pin and (2) Retainer Rings.  5/16" Bore Only	L07132 0100	9/16	.76	.56	.75	.50	.12	.06	.19	.19	.156	.34	.91	1.34	.22	
	L07132 0200	3/4, 1 1/16	1.18	.88	1.12	.75	.19	.12	.27	.30	.250	.38	1.25	2.00	.38	
	L07132 0300	1 1/4	1.18	.88	1.12	.75	.19	.12	.27	.30	.250	.50	1.38	2.14	.38	
	L07132 0400	1 1/2, 1 3/4	1.75	1.38	1.50	1.00	.25	.25	.27	.37	.375	.62	2.00	2.88	.44	
	L07132 0500	2, 2 1/2	1.75	1.38	1.50	1.00	.25	.25	.27	.37	.375	.75	2.12	3.00	.44	
Foot Bracket 	L07379 0028	9/16	1.38	.62	.38	.19	.50	.38	.44	.94	.09	.56	.12	—	—	
	L07379 0032	3/4	1.62	.75	.44	.19	.62	.41	.50	1.09	.10	.69	.19	—	—	
	L07379 0040	3/4, 1 1/16	1.88	1.00	.56	.27	.75	.56	.63	1.38	.12	.81	.25	—	—	
	L07379 0048	1 1/4, 1 1/2	2.50	1.50	.75	.27	.94	.75	.75	1.75	.12	1.00	.38	—	—	
	L07379 0102	1 3/4	3.00	1.50	.87	.35	1.12	.91	1.03	2.16	.19	1.25	.50	—	—	
	L07379 0124	2	3.12	1.62	1.00	.34	1.12	1.00	1.38	2.50	.25	1.50	.62	—	—	
	L07379 0132	2 1/2	3.75	1.62	1.00	.35	1.44	1.25	1.64	3.00	.25	1.75	.75	—	—	
Mounting Nut 	L07380 0500	9/16	.69	.25	7/16-20	—	—	—	—	—	—	—	—	—	—	
	L07380 0600	3/4	.75	.31	1/2-20	—	—	—	—	—	—	—	—	—	—	
	L07380 0800	3/4, 1 1/16	.94	.38	5/8-18	—	—	—	—	—	—	—	—	—	—	
	L07380 0900	1 1/4, 1 1/2	1.12	.42	3/4-16	—	—	—	—	—	—	—	—	—	—	
	L07380 1100	1 3/4	1.50	.55	1-14	—	—	—	—	—	—	—	—	—	—	
	L07380 1200	2	1.88	.50	1 1/4-12	—	—	—	—	—	—	—	—	—	—	
	L07380 1400	2 1/2	2.06	.78	1 3/8-12	—	—	—	—	—	—	—	—	—	—	

Series SSM Trunnion Brackets

Select brackets for Series SSM Trunnion Mount Cylinders from the table below.
(Note: Trunnion Brackets are ordered as a separate item from the cylinder.)



Assembly No.	Bore Sizes	A	B	C	D	E	F	G	H	J	K	L	M
L076600100	7/16"	1.75	1.38	1.50	1	.25	.25	.27	.38	.375	.69	1.12	.37
L076600200	3/4", 1 1/16", 1 1/2"	1.75	1.38	1.50	1	.25	.25	.27	.38	.500	.69	1.12	.37

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**ATLAS
CYLINDERS**

Series SSM

Stainless Steel Body Air Cylinders

Mounting Styles

Series SSM Available Mounting Styles

Model	Description	Bore Size								Recommended Max. Stroke (in.)
		9/16"	3/4"	1-1/16"	1-1/4"	1-1/2"	1-3/4"	2"▲	2-1/2"	
N	Nose mount, spring return	●	●	●	●	●	●	●	—	6"
NR	Nose mount, spring return, hex rod (non-rotating)	●	●	●	●	●	●	—	—	6"
NRP	Pivot and nose mount, spring return, hex rod (non-rotating)	●	●	●	●	●	●	—	—	6"
P	Pivot mount, spring return	●	●	●	●	●	●	●	—	6"
R	Nose mount, spring extended	●	●	●	●	●	●	●	—	6"
RP	Pivot and nose mount, spring extend	●	●	●	●	●	—	●	—	6"
D	Nose mount, double acting	●	●	●	●	●	●	●	●	12"
DP	Pivot and nose mount, double acting, pivot pin	—	●	●	—	●	—	—	—	12" (under 3/4" bore) 32" (3/4" & up)
DXP	Pivot and nose mount, double acting, no pivot pin	●	●	●	●	●	●	●	●	12" (under 3/4" bore) 32" (3/4" & up)
DX	Threaded both ends, double acting	See DXP	See DXP	See DXP	See DXP	●	—	See DXP	—	32"
KDX	Threaded both ends, double acting, double rod	●	●	●	●	●	●	●	●	6" (under 3/4" bore) 12" (3/4" & up)
KDXH	Threaded both ends, double rod, hollow rod	—	—	●	●	●	●	●	—	12"
BRN	Rear block mount, single acting, spring return	—	●	●	—	●	—	—	—	6"
BRR	Rear block mount, single acting spring extend	—	●	●	—	●	—	—	—	6"
BFD	Front block mount, double acting	—	●	●	—	●	—	—	—	12"
BRD	Rear block mount, double acting	—	●	●	—	●	—	—	—	12"
BFN	Front block mount, single acting spring return	—	●	●	—	●	—	—	—	6"
BFR	Front block mount, single acting spring extend	—	●	●	—	●	—	—	—	6"
TRN	Rear trunnion mount, single acting, spring return	—	●	●	—	●	—	—	—	6"
TRR	Rear trunnion mount, single acting, spring extend	—	●	●	—	●	—	—	—	6"
TFD	Front trunnion mount, double acting	—	●	●	—	●	—	—	—	12"
TRD	Rear trunnion mount, double acting	—	●	●	—	●	—	—	—	12"
TFN	Front trunnion mount, single acting, spring return	—	●	●	—	●	—	—	—	6"
TFR	Front trunnion mount, single acting, spring extend	—	●	●	—	●	—	—	—	6"

▲ Recommended maximum stroke is 4" in models N, P, R & RP.
For longer stroke lengths - consult factory

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ATLAS
CYLINDERS

Series SSM

Stainless Steel Body Air Cylinders

Standard Options

Bumpers

Bumpers are available at extra cost. Add the following dimensions to the overall cylinder length by bore size.

Bore Size	9/16"	3/4"	1 1/16"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"
Type								
Spring Return	.062"	.125"	.125"	.125"	.125"	*	.125"	N/A
Spring Extend	.062"	.125"	.125"	.125"	.125"	*	.125"	N/A
Double Acting	.125"	.25"	.25"	.25"	.25"	*	.250"	.250"
K-type	.125"	.312"	.25"	.25"	.25"	*	.250"	.250"

*Bumpers are furnished as standard and do not affect overall length.

Stainless Steel Piston Rods

Corrosion resistant stainless steel is the standard piston rod material for all bore sizes up to and including 1.50 inch bore at no additional cost. The only exception to the stainless steel standard is when a hollow rod, KDXH, option is specified. Stainless steel is also the standard material on block, trunnion, hex/non-rotating and KDX mounts. Stainless steel is available on other sizes for an additional charge.

Rod Wiper

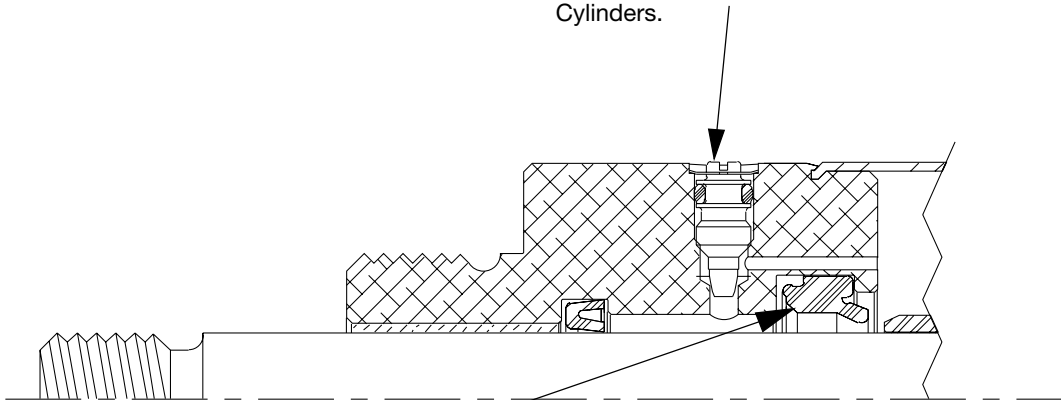
Series SS/SSM cylinders can be fitted with a rod wiper that is specially designed to prevent contaminants from clinging to the piston rod and damaging the piston rod seal. Available in 3/4", 1-1/16", and 1-1/2" bores, the piston rod wiper can be added to the SS/SSM and SSD/SSDM series.

Adjustable Cushion Option

Cushions can be selected on seven bore sizes, ranging from .75" bore to 3.0" bore with mounting styles D, front nose mount, and DXP, rear pivot mount. Adjustable cushions are optional at either end or both ends of Series SS/SSM cylinders.

Cushion Adjusting Needle Valves

The fine-thread cushion needle valves make precise adjustment quick and easy. The needle valve is fully captured to allow for safe cushion adjustment while cylinder is pressurized. The brass needle valves are corrosion resistant. The standard position for needle valve adjustments is position 1, 90° from the port. See port location table for Series SS Cylinders.



Check Seal Cushion

The "Check Seal" system offers excellent cushioning efficiency and long cushion seal life. This seal is specifically designed for cushion applications and has a long proven history in our products. Extensive side by side testing of the check seal in Series SS cylinders significantly outlasted and outperformed competitors' o-ring shaped seals.

The Check Seal's unique geometry exhibits the dynamic sealing capabilities of a lipseal. As the cushion sleeve enters the Check Seal at the end of stroke, the Check Seal blocks the air from exhausting directly through the port and forces

the air through the adjustable needle valve orifice. The exhaust airflow is precisely metered to control the desired rate of deceleration of the cylinder piston.

During stroke reversal, the check valve action of the Check Seal induces a fast out-of-cushion response. The Check Seal floats forward in the retainer groove as the cushion sleeve exits the Cushion Seal, thereby creating a path for maximum air flow around the Check Seal to access the piston face. The quick response of the Check Seal design yields faster cycle times and increased productivity.

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ATLAS
CYLINDERS

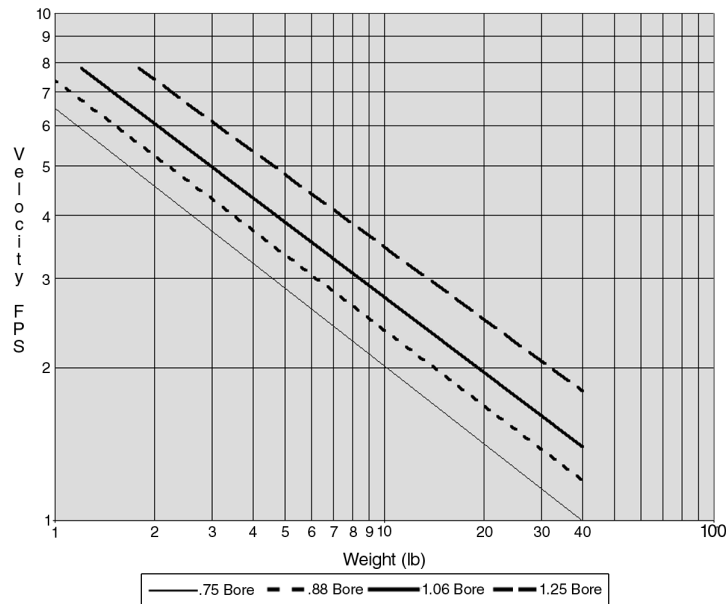
Series SSM Stainless Steel Body Air Cylinders

Adjustable Cushion Option

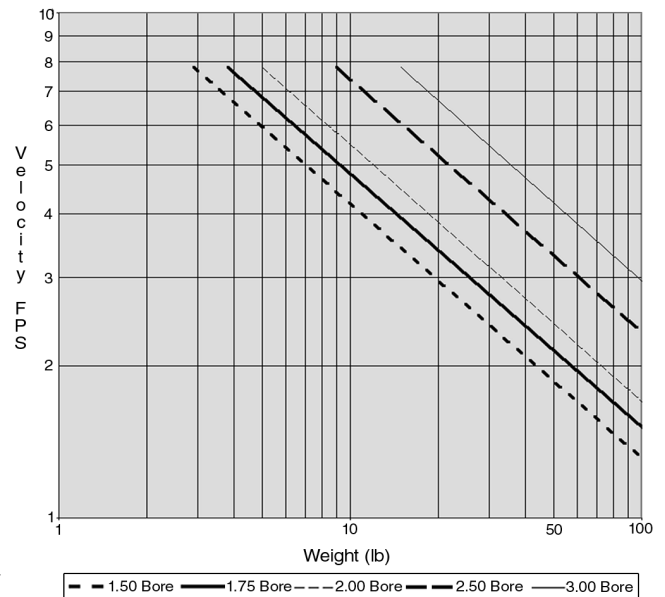
Use the graphs below to determine whether a cylinder will adequately decelerate a load without damage to the cylinder. Find the point on the graph where the piston

rod speed intersects the weight of the load. Any cylinder bore size above the intersect point will adequately decelerate the load at that speed.

.75" through 1.25" Bores*

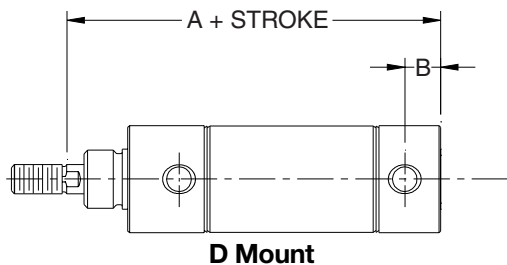


1.50" through 2.50" Bores*



* .88" & 3.00" Bores not available in SSM Series.

Critical Mounting Dimensions for Series SS and SSM Cylinders with Adjustable Cushions



In most cases, cylinder mounting dimensions are not affected when cushions are specified. Standard catalog dimensions apply when cushions are specified at either end of a DXP mount and when specified at the head end only of a D mount. **The only exception to standard catalog dimensions is when a cushion is specified on the cap end or both ends of a D mount.** Please consult Table A for the critical mounting dimensions on D mount SS and SSM cylinders with cushions both ends or cushions cap end only.

Table B shows the cushion lengths for SS and SSM cylinders.

Table A: Critical Mounting Dimensions for D Mount SS and SSM Cylinders with Cushions Both Ends or Cushions Cap End Only.

Bore Size	SS Dimensions		SSM Dimensions	
	A + Stroke	B	A + Stroke	B
.75	3.40	0.28	3.40	.28
1.06	3.49	0.28	3.65	.28
1.25	4.31	0.38	4.34	.38
1.50	4.12	0.31	4.37	.31
1.75	5.25	0.42	5.25	.42
2.00	5.06	0.47	5.34	.47
2.50	5.06	0.47	5.06	.47

Table B: Cushion Lengths for SS and SSM Cylinders.

Bore Size	head	cap
.75	0.750	0.625
1.06	0.750	0.625
1.25	0.750	0.625
1.50	0.750	0.625
1.75	0.875	0.625
2.00	0.875	0.750
2.50	0.875	0.750

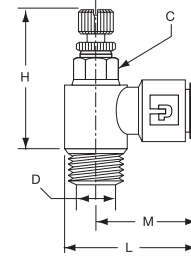
Series SSM

Stainless Steel Body Air Cylinders

Accessory Fittings

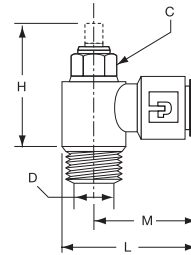
Miniature Exhaust Flow Control

PART NO.	TUBE SIZE	THREAD SIZE	C HEX (MM)	H CLOSED	H OPEN	L	M	FLOW DIA. D
0876300100	5/32	10-32	6	.925	1.023	.846	.669	.080
0876300200	5/32	1/8	7	1.000	1.083	.935	.708	.100
0876300300	1/4	10-32	6	.925	1.023	.885	.708	.080
0876300400	1/4	1/8	7	1.000	1.083	.957	.730	.100
0876300500	1/4	1/4	8	1.083	1.180	1.013	.748	.160



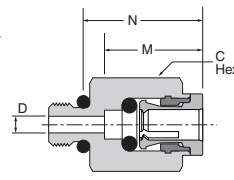
Knobless Miniature Exhaust Flow Control

PART NO.	TUBE SIZE	THREAD SIZE	C HEX (MM)	H CLOSED	H OPEN	L	M	FLOW DIA. D
0876310100	5/32	10-32	6	.650	.787	.846	.669	.080
0876310200	1/4	1/8	7	.708	.860	.956	.730	.100
0876310300	1/4	1/4	8	.826	.964	1.013	.748	.160

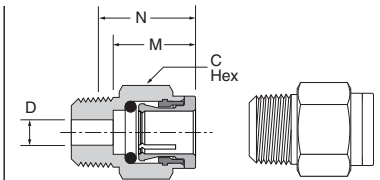


Microlok male connector

PART NO.	TUBE SIZE	PIPE THREAD	C HEX	ASSM. HT. N	M	FLOW DIA. D
0876280100	1/8	1/8	7/16	.48	.49	.090
0876280200	1/8	10-32	3/8	.57	.49	.080
0876280300	5/32	1/8	7/16	.33	.49	.110
0876280400	5/32	10-32	7/16	.57	.49	.080
0876280500	1/4	1/8	1/2	.57	.52	.160
0876280600	1/4	1/4	5/8	.46	.52	.160
0876280700	1/4	10-32	7/16	.58	.49	.080



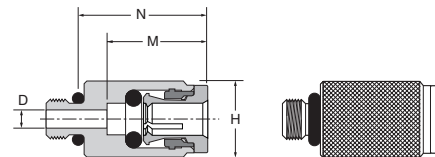
10-32 Thread



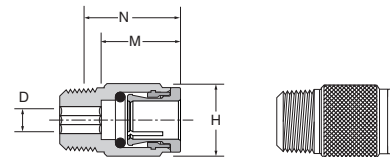
1/8" & 1/4" Pipe Thread

Microlok round body male connector

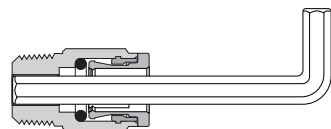
PART NO.	TUBE SIZE	PIPE THREAD	BODY DIA. H	INTERNAL HEX	ASSM. HT. N	M	FLOW DIA. D
0876290100	1/8	10-32	.34	-	.57	.49	.08
0876290200	5/32	1/8	.43	1/8	.56	.49	.13
0876290300	5/32	10-32	.38	-	.57	.49	.08
0876290400	1/4	1/8	.47	3/16	.59	.52	.19
0876290500	1/4	1/4	.59	3/16	.51	.52	.19
0876290600	1/4	10-32	.47	-	.58	.52	.08



10-32 Thread

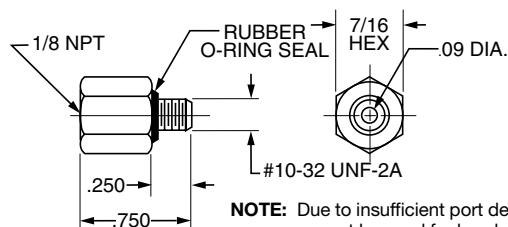


1/8" & 1/4" Pipe Thread



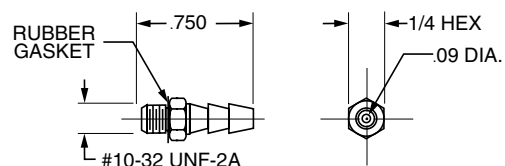
5/32" and larger straight Microlok round body Male Connectors with Pipe Threads have an internal hex for the use of an Allen Key to allow the fitting to be mounted in any position. This also permits close porting not possible with a standard wrench.

#10-32 to 1/8-27 Port Adapter P.N. 1442840000



NOTE: Due to insufficient port depth, port adapter fitting cannot be used for head end ports of 9/16" bore cylinders. Use barbed fitting.

1/4" O.D. Hose Barbed Fittings P.N. L06998 0000 (Pkg. of 10)



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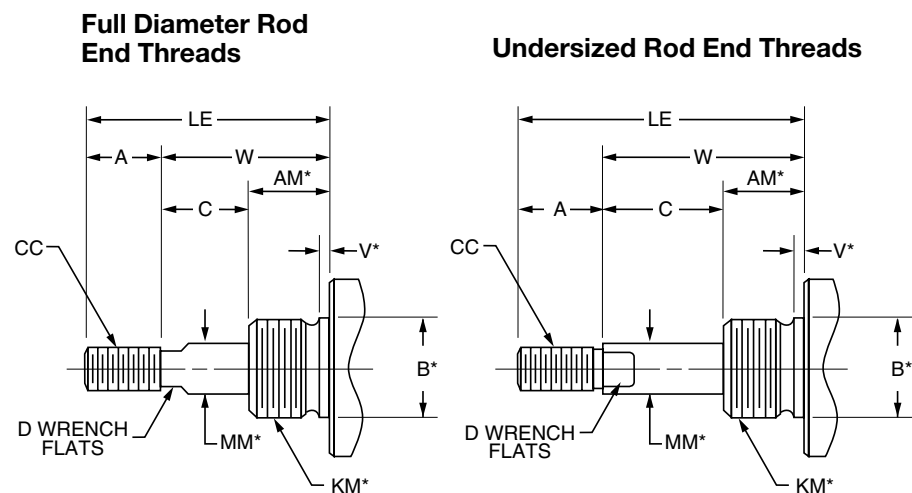
How To Order Series SSM Air Cylinders

Each Series "SSM" cylinder can be specified by using the symbols in the chart below to develop a model number. Select only those symbols that represent the cylinder features desired, and place them in sequence indicated by the example at the top of the chart. Switches and clamps must be ordered separately.

E X A M P L E	Bore Size	Cushion Head	Double Rod	Mounting Style	Series	Piston	Seals	Special	Non-Standard Rod	Non-Standard Rod Dim.	Cushion Cap	Stroke
	1.06	C	K	D	SSM	B	W	S	Y	3	C	2.00
	Specify: .56- ⁹ / ₁₆ " .75- ³ / ₄ " 1.06-1 ¹ / ₁₆ " 1.25-1 ¹ / ₄ " 1.50-1 ¹ / ₂ " 1.75-1 ³ / ₄ " 2.00-2" 2.50-2 ¹ / ₂ "	When cushion head is required.	Available on DX and DXH only.	Specify: N, NR, NRP, P, R, RP, D, DP, DXP, DX, DXH, A, RA, AP, AR, BRN, BRR, BFD, BRD, BFN, BFR, TRN, TRR, TFD, TRD, TFN or TFR.	All	Bumpers	Specify: W only when rod wiper required.	Use only if special modifications are required, except piston rod end.	Specify Y for stainless steel piston rod. Stainless steel is standard on all bore sizes up to and including 1.50" Bore.	Use only for special piston rod end. Specify CC, LE and A Dimensions (See below).	When cushion cap is required.	Specify in inches.

Non-Standard Rods

For non-standard rod dimensions, or undersized rod end threads, put a "3" in model number and describe the rod using the letters shown in drawing. Specify CC, LE and A dimensions.



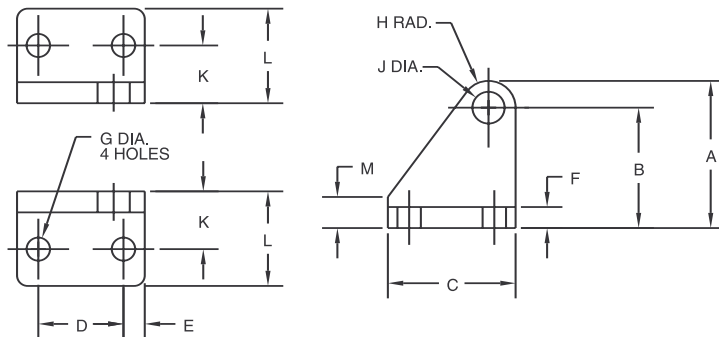
*Requires an S designation in model number.

Series SSM Stainless Steel Body Air Cylinders

Trunnion Brackets Switch Connectors

Series SSM Trunnion Brackets

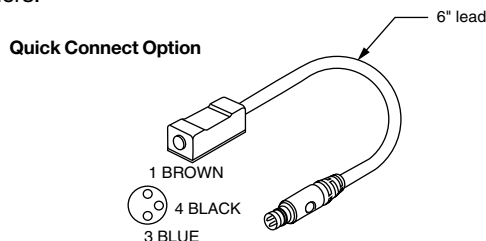
Select brackets for Series SSM Trunnion Mount Cylinders from the table below. (Note: Trunnion Brackets are ordered as a separate item from the cylinder.)



Assembly No.	Bore Sizes	A	B	C	D	E	F	G	H	J	K	L	M
L076600200	3/4", 1 1/16", 1 1/2"	1.75	1.38	1.50	1	.25	.25	.27	.38	.500	.69	1.12	.37

Magnet Actuated Switches with Quick Connect

The standard lead wire length for magnet actuated switches is 39" (1 meter). Switches are also offered with a 6 (six) inch lead with a male quick connect option. Shown below is the switch for Series SSM cylinders.



Switches with 6" leads and male "quick-connect" end

Series	Reed	NPN Sinking	PNP Sourcing
SSM	145903000C*	146714000C*	146715000C*

* Stainless steel worm gear type clamps must be ordered separately.

Bore Size	Clamp Assembly	Bore Size	Clamp Assembly
9/16"	L073400050	1 1/2"	L073400200
3/4"	L073400075	1 3/4", 2"	L073400300
1 1/16"	L073400100	2 1/2"	L073400600
1 1/4"	L073400100	—	—

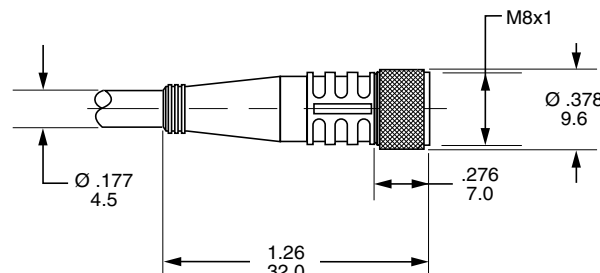
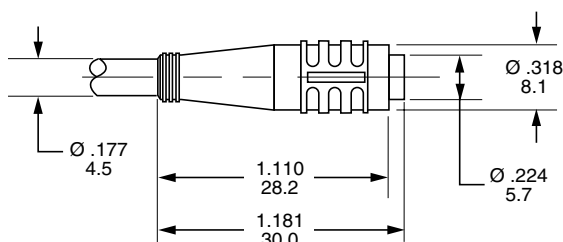
Cordset with Female Quick Connect

A female connector is available for all switches with the male quick connect option. The male plug will accept a snap-on or threaded connector. Cordset part numbers and other manufacturer's part numbers are listed below:

Cable Length	Threaded Connector	Snap-On Connector
5 meters	086620T005	086620S005
2 meters	086620T002	086620S002

Cordset Specifications:

Connector:	Oil resistant polyurethane body material, PA 6 (Nylon) contact carrier, spacings to VDE 0110 Group C, (150 VAC / DC)
Contacts:	Gold plated beryllium copper, machined from solid stock
Coupling Method:	Snap-Lock or chrome plated brass nut
Cord Construction:	Oil resistant black PUR jacket, non-wicking, non-hygroscopic, 300V. Cable end is stripped and tinned.
Conductors:	Extra high flex stranding, PVC insulation
Temperature:	-40° to 185°F (-40° to 85°C)
Protection:	NEMA 1, 3, 4, 6P and IEC IP67
Cable Length:	6.56 ft (2m) or 16.4 ft (5m)



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Introducing the NEW

Series SSD/SSDM Cylinders for Corrosive Environments

We are pleased to announce two new additions to the SS/SSM product line for use when extra protection from

the ambient environment is required.

Series SSD/SSDM

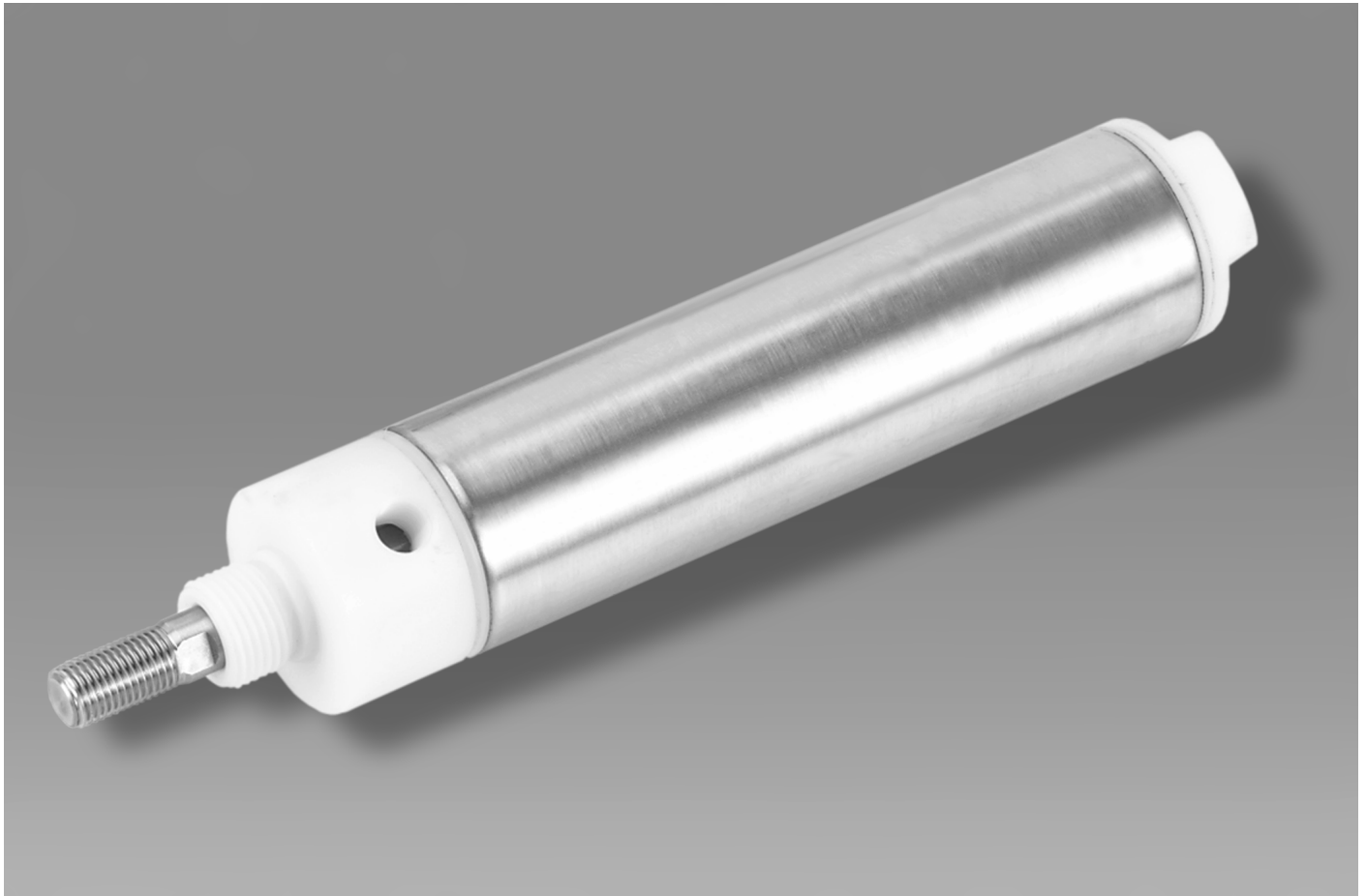
Series SSD/SSDM cylinders are offered in five bore sizes — (9/16", 3/4", 1-1/16", 1-1/2" and 2"), with or without the magnet for piston position sensing. They are designed to withstand a wide range of operating environments. To tolerate moisture and many types of lubricants and solvents*, the Series SSD/SSDM air cylinder has, as standard, a Delrin® (acetal resin) head and cap, an anodized aluminum piston, stainless steel cylinder tube

and stainless steel piston rod. With available stainless steel accessories, the SSD/SSDM cylinder is ideal for special applications where corrosion can be a problem. This product has a 100 PSI pressure rating and is intended for service between 32°F and 160°F.

(See reverse for ordering instructions.)

Delrin® is a registered trademark of Dupont.

*For detailed information regarding the properties of Delrin® call Dupont (800-441-0573).



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**ATLAS
CYLINDERS**

Series SSD/SSDM

Stainless Steel Body Air Cylinders

How To Order Series SSD/SSDM Air Cylinders

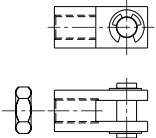
Cylinders can be specified by using the symbols in the chart below to develop a model number. Select only those symbols that represent the cylinder features desired, and place them in sequence indicated by the example at the top of the chart. For complete specifications, dimensions, and ordering information consult catalog.

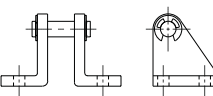
Note: Stainless steel piston rods are standard on Series SSD/SSDM cylinders. Do not specify in model number.

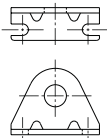
EXAMPLE	Bore Size	Double Rod*	Mounting Style	Series	Piston	Seals	Special	Non-Standard Rod Dim.	Stroke
	1.06	K*	D	SSD	B	V	S	3	2.00
	Specify: .56-9/16" .75-3/4" 1.06-1 1/16" 1.50-1 1/2" 2.00-2"	Available on DX only.	Specify: D, DXP	Specify SSD or SSDM for magnetic version.	Bumper	Specify: V when Fluorocarbon seals are required. Not available on SSDM. Specify: W when rod wiper is required. (Fluorocarbon seals not available with rod wiper option.)	Use only if special modifications are required, except piston rod end.	Use only for special piston rod end. Specify CC, LE and A dimensions	Specify in inches.

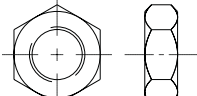
*Pistons for all KDX Mounts are brass except for 1.06", 1.50" SSDM without bumpers and all 2.00" bores.

Stainless Steel Accessories

Rod Clevis	Bore Size	Part Number
	9/16	L077130100
	3/4	L077130200
	1-1/16	L077130300
	1-1/2	L077130400
	2	L077130500

Pivot Bracket Assy.	Bore Size	Part Number
	9/16	L077150100
	3/4, 1-1/16	L077150200
	1-1/2	L077150400
	2	L077150500

Foot Mount	Bore Size	Part Number
	9/16	L077160028
	3/4, 1-1/16	L077160040
	1-1/2	L077160048
	2	L077160124

Mounting Nut	Bore Size	Part Number
	9/16	L077170500
	3/4, 1-1/16	L077170800
	1-1/2	L077170900
	2	L077171200

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Series SS/SSM Stainless Steel Body Air Cylinders

Offer of Sale

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1. Terms and Conditions of Sale: All descriptions, quotations, proposals, offers, acknowledgments, acceptances and sales of Seller's products are subject to and shall be governed exclusively by the terms and conditions stated herein. Buyer's acceptance of any offer to sell is limited to these terms and conditions. Any terms or conditions in addition to, or inconsistent with those stated herein, proposed by Buyer in any acceptance of an offer by Seller, are hereby objected to. No such additional, different or inconsistent terms and conditions shall become part of the contract between Buyer and Seller unless expressly accepted in writing by Seller. Seller's acceptance of any offer to purchase by Buyer is expressly conditional upon Buyer's assent to all the terms and conditions stated herein, including any terms in addition to, or inconsistent with those contained in Buyer's offer. Acceptance of Seller's products shall in all events constitute such assent.

2. Payment: Payment shall be made by Buyer net 30 days from the date of delivery of the items purchased hereunder. Amounts not timely paid shall bear interest at the maximum rate permitted by law for each month or portion thereof that Buyer is late in making payment. Any claims by Buyer for omissions or shortages in a shipment shall be waived unless Seller receives notice thereof within 30 days after Buyer's receipt of the shipment.

3. Delivery: Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

4. Warranty: Seller warrants that the items sold hereunder shall be free from defects in material or workmanship for a period of 18 months from date of shipment from the Company. **THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER. SELLER MAKES NO OTHER WARRANTY, GUARANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING ARE HEREBY DISCLAIMED.**

NOTWITHSTANDING THE FOREGOING, THERE ARE NO WARRANTIES WHATSOEVER ON ITEMS BUILT OR ACQUIRED WHOLLY OR PARTIALLY, TO BUYER'S DESIGNS OR SPECIFICATIONS.

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6. Changes, Reschedules and Cancellations: Buyer may request to modify the designs or specifications for the items sold hereunder as well as the quantities and delivery dates thereof, or may request to cancel all or part of this order, however, no such requested modification or cancellation shall become part of the contract between Buyer and Seller unless accepted by Seller in a written amendment to this Agreement. Acceptance of any such requested modification or cancellation shall be at Seller's discretion, and shall be upon such terms and conditions as Seller may require.

7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

8. Buyer's Property: Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer, or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

9. Taxes: Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller or if Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefor upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.

10. Indemnity for Infringement of Intellectual Property Rights: Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Part 10. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets (hereinafter "Intellectual Property Rights"). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that an item sold pursuant to this contract infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using said item, replace or modify said item so as to make it noninfringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any item sold hereunder. The foregoing provisions of this Part 10 shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

If a claim is based on information provided by Buyer or if the design for an item delivered hereunder is specified in whole or in part by Buyer, Buyer shall defend and indemnify Seller for all costs, expenses or judgments resulting from any claim that such item infringes any patent, trademark, copyright, trade dress, trade secret or any similar right.

11. Force Majeure: Seller does not assume the risk of and shall not be liable for delay or failure to perform any of Seller's obligations by reason of circumstances beyond the reasonable control of Seller (hereinafter "Events of Force Majeure"). Events of Force Majeure shall include without limitation, accidents, acts of God, strikes or labor disputes, acts, laws, rules or regulations of any government or government agency, fires, floods, delays or failures in delivery of carriers or suppliers, shortages of materials and any other cause beyond Seller's control.

12. Entire Agreement/Governing Law: The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain thereto. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.

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