F-Series Air Cylinders

Your Exact Interchange for Stainless Steel Body, Non-repairable Cylinders
F-Series Direct Interchange Air Cylinders
All the Models Bore-for-Bore!

F-Series Max Operating
Pressure Ratings

F-Series Basic Cylinders .......................... 250 psi
Adjustable Cushion Cylinders ................. 250 psi
Custom Cylinders 1" Diameter Rod, 2" Bore ........ 250 psi
Volume Chambers ................................. 250 psi
Delrin® Series ..................................... 100 psi
Magnetic Interchange Cylinders ................ 250 psi
Hole Punch Cylinders ............................ 250 psi
3-Position Cylinders ............................. 250 psi
Position Feedback Cylinders .................. 150 psi

F-Series Ordering Information .................. 2-5
F-Series Cylinders and Mounting Accessories
5/16" Bore ........................................ 6, 7
7/16" Bore ......................................... 8-10
9/16" Bore ......................................... 11-13
3/4" Bore .......................................... 14-17
7/8" Bore .......................................... 18-20
1-1/16" Bore ....................................... 21-24
1-1/4" Bore ........................................ 25-27
1-1/2" Bore ........................................ 28-31
1-3/4" Bore ........................................ 32, 33
2" Bore ............................................. 34-37
2-1/2" Bore ........................................ 38
3" Bore ............................................. 39
Adjustable Cushion Cylinders
3/4" Bore ........................................... 16
1-1/16" Bore ....................................... 24
1-1/2" Bore ........................................ 30, 31
2" Bore ............................................. 36
Custom Cylinders
1" Diameter Rod, 2" Bore ......................... 36
Volume Chambers
Volume chambers, ordering information ........ 40
Delrin® Series – Corrosion Resistant Cylinders
3/4" Bore ........................................... 41
1-1/16" Bore ....................................... 42
1-1/2" Bore ........................................ 42, 43
Magnetic Interchange Cylinders
9/16" Bore .......................................... 44
3/4" Bore .......................................... 45
1-1/16" Bore ....................................... 46
1-1/4" Bore ........................................ 47
1-1/2" Bore ........................................ 48
1-3/4" Bore ........................................ 49
2" Bore ............................................. 50
2-1/2" Bore ........................................ 51
Hole Punch Cylinders
3/4" Bore cylinders ................................ 54
Punches and assemblies ......................... 55
3-Position Cylinders
Specifications and ordering information ....... 52
3-Position cylinders .............................. 53
PFA Series Position Feedback Cylinders
Cylinder specifications ........................... 56, 57
Port Mounted Flow Controls
Molded body ...................................... 58
Brass body ........................................ 59
Magnetic Position Sensing
Sensors ............................................ 60
Mounting Accessories – Summary
Dimensions and prices ......................... 61

Specifications and prices subject to change without notice or incurring obligation
Overall Length Calculations for F Series Cylinders

Single Acting Spring Return Cylinders

Calculate the length of next whole standard increment of stroke. Then subtract the difference between desired stroke and next longer standard increment of stroke.

\[
OAL = B + (STA \times S1) - (S1 - S)
\]

Example: F-1062S01-02M (2-3/4" stroke)

- F-1062S01 base length = 1.938
- Plus 1.562 per inch of stroke = +4.686
- 1.562 x 3.0 (next longer stroke increment) = 6.624
- F-1062S01-03A length = 3.000
- Standard stroke increment = 3.000
- minus desired stroke = -2.750
- Stroke difference = .250
- F-1062S01-02M length = 6.574

Crimp

Cylinder body tube and end caps are attached with double rolled-in crimp.

Ports

Full-flow ports and cross-slots on the end caps allow air passage to the entire piston and seal area for quick response and full force performance.

Pre-Lubrication

Factory tube is a special petroleum based oil formulated for long maintenance-free performance.

Specifications and prices subject to change without notice or incurring obligation.
### F-Series Specifications and Prices

**How to Order**

**Series** | **Bore** | **Mounting** | **Stroke** | **Options** | **Rod/Thread Options**
--- | --- | --- | --- | --- | ---
F-1500 | D01 | 02 A-01 | 1A00M |  |

**Bore Size** (4 digits)
- 0313 = 5/16”
- 0438 = 7/16”
- 0563 = 9/16”
- 0750 = 3/4”
- 0875 = 7/8”
- 1062 = 1-1/16”
- 1250 = 1-1/4”
- 1500 = 1-1/2”
- 1750 = 1-3/4”
- 2000 = 2”
- 2500 = 2-1/2”
- 3000 = 3”

**Mounting Style** (3 digits)
- S01 = Single Acting Spring Return Nose Mount
- S02 = Single Acting Spring Return Rear Pivot
- R01 = Single Acting Spring Extend Nose Mount
- R02 = Single Acting Spring Extend Rear Pivot
- N01 = Single Acting Spring Return Non-Rotating Nose Mount
- N02 = Single Acting Spring Return Non-Rotating Rear Pivot
- D01 = Double Acting Nose Mount
- D02 = Double Acting Rear Pivot
- D03 = Double Acting Double Rod
- D04 = Double Acting Double Nose
- D05 = Double Acting Front Block
- D13 = Interchange Option for 1-1/16” Bore
- DH3 = Double Acting Double Rod Hollow Rod
- D06 = Double Acting Trunnion Mount
- DG1 = Double Acting Adjustable Cushion Nose Mount
- DG2 = Double Acting Adjustable Cushion Rear Pivot
- DG4 = Double Acting Adjustable Cushion Double Rod
- DL1 = Double Acting Nose Mount 2” Bore 1” Rod
- DL2 = Double Acting Rear Pivot 2” Bore 1” Rod
- DC1 = Double Acting Delrin® Nose Mount
- DC2 = Double Acting Delrin® Rear Pivot
- DC3 = Double Acting Delrin® Double Rod
- DM1 = Magnetic Interchange, Nose Mount
- DM2 = Mag. Interchange, Nose/Rear Pivot Mt.
- DM3 = Magnetic Interchange, Double Rod

**Fractional Inch Stroke**
- (1 digit)
  - A = 0”
  - B = 1/16”
  - C = 1/8”
  - D = 3/16”
  - E = 1/4”
  - F = 5/16”
  - G = 3/8”
  - H = 7/16”
  - I = 1/2”
  - J = 9/16”
  - K = 5/8”
  - L = 11/16”
  - M = 3/4”
  - N = 13/16”
  - O = 7/8”
  - P = 15/16”

**Full Inch Stroke**
- (2 digits)
  - 00 = 0”
  - 01 = 1”
  - 02 = 2”
  - 03 = 3”
  - 32 = 32”

Note: See page 3 for information regarding cylinder length calculations.

**Rod and/or Thread Extension**
- 1A = Rod Extension (Additional length)
  - (Code is 1A plus 3 digits)
  - Example: 1A01A = 1” and no fractional inch extension.
- 2A = Thread Extension (Additional length)
  - (Code is 2A plus 3 digits)
  - Example: 2A01F = 1-1/4” extension.
- RT = Rod and Thread Extension (Additional length)
  - (Code is RT plus 6 digits; specify rod extension first)
  - Example: RT02A01M = 2” rod extension and 1-3/4” thread extension

Viton® and Delrin® are registered trademarks of DuPont. Call DuPont for general information (800) 441-0575 for information regarding properties of these materials.
Standard F-Series Options

01 = Bumpers
02 = Viton Seals
03 = Magnet
04 = Bumpers, and Magnet
05 = Pivot bushing
06 = Bumpers, and Pivot Bushing
07 = Viton Seals, and Pivot Bushing
08 = Magnet, and Pivot Bushing
09 = Bumpers, Magnet, and Pivot Bushing
20 = Port Rotated w/ No Options
30 = Rod Wiper w/ No Options
31 = Rod Wiper w/ Bumpers
32 = Rod Wiper w/ Viton Seals
33 = Rod Wiper w/ Magnet
34 = Rod Wiper w/ Bumpers, and Magnet
35 = Rod Wiper w/ Pivot bushing
36 = Rod Wiper w/ Bumpers, and Pivot Bushing
37 = Rod Wiper w/ Viton Seals, and Pivot Bushing
38 = Rod Wiper w/ Magnet, and Pivot Bushing
39 = Rod Wiper w/ Bumpers, Magnet, and Pivot Bushing
50 = Side Port w/ No Options
100 = Low Temp Seals
101 = Low Temp Seals and Bumpers
103 = Low Temp Seals and Magnet
104 = Low Temp Seals, Bumpers and Magnet
105 = Low Temp Seals and Pivot Bushing
106 = Low Temp Seals, Bumpers and Pivot Bushing
108 = Low Temp Seals, Magnet and Pivot Bushing
109 = Low Temp Seals, Bumpers, Magnet and Pivot Bushing
200 = Polypak rod seal
300 = Polypak piston seal
400 = Both Polypak rod and piston seal

HOW TO ORDER – EXAMPLES

F-0438S01-01A
0438 = 7/16” Bore
S01 = Single Acting, Spring Return, Nose Mount
01 = 1” Stroke
A = .00” Fractional Stroke

F-1062D02-03E-04
1062 = 1-1/16” Bore
D02 = Double Acting, Rear Pivot Mount
03 = 3” Stroke
E = .25” Fractional Stroke
04 = Bumpers and Magnet

F-1500D04-10I-01-1A02A
1500 = 1-1/2” Bore
D04 = Double Acting, Double Nose
10 = 10” Stroke
I = .50” Fractional Stroke
01 = Bumpers
1A02A = Additional 2” Rod Extension

F-2000DG2-20H-03-RT02A01I
2000 = 2” Bore
DG2 = Double Acting, Adjustable Cushion, Rear Pivot Mount
20 = 20” Stroke
H = .4375 Fractional Stroke
03 = Magnet
RT02A01I = Additional 2” Rod Extension and Additional 1-1/2” Thread Extension
**F-Series**

**5/16" Bore Cylinders**

**Single Acting** Spring Return Front Nose Mount


Maximum Stroke: 4"

Optional Accessories:
- F-M117001 Mounting Bracket
- F-M127001 Rod Clevis

Base Weight: .03 lbs. Plus .02 lbs. per inch of stroke

---

**Single Acting** Spring Return Double Nose or Rear Pivot Mount


Maximum Stroke: 4"

Optional Accessories:
- F-M117001 Mounting Bracket (with front nose mount)
- F-M117002 Mounting Bracket (with rear nose mount)
- F-M129001 Pivot Bracket
- F-M127001 Rod Clevis

Base Weight: .05 lbs. Plus .02 lbs. per inch of stroke

---

**Single Acting** Spring Extend Front Nose Mount


Maximum Stroke: 4"

Optional Accessories:
- F-M117002 Mounting Bracket
- F-M127001 Rod Clevis

Base Weight: .05 lbs. Plus .03 lbs. per inch of stroke

---

**Single Acting** Spring Extend Double Nose or Rear Pivot Mount


Maximum Stroke: 4"

Optional Accessories:
- F-M117002 Mounting Bracket
- F-M129001 Pivot Bracket
- F-M127001 Rod Clevis

Base Weight: .05 lbs. Plus .03 lbs. per inch of stroke

---

Please visit [http://portal.fabco-air.com/configure.php](http://portal.fabco-air.com/configure.php) for current pricing. Specifications and prices subject to change without notice or incurring obligation.
### F-0313D01-00A

#### 5/16" Bore Cylinders

**Double Acting**

**Front Nose Mount**

- Standard Stroke Lengths: 1/2", 1", 1-1/2" 2", 2-1/2", 3", 4"
- Maximum Stroke: 4"
- Optional Accessories:
  - F-M117002 Mounting Bracket
  - F-M127001 Rod Clevis
- Base Weight: .05 lbs.
- Plus .01 lbs. per inch of stroke

**Double Acting**

**Front Nose Mount**

- Standard Stroke Lengths: 1/2", 1", 1-1/2" 2", 2-1/2", 3", 4"
- Maximum Stroke: 4"
- Optional Accessories:
  - F-M117002 Mounting Bracket
  - F-M127001 Rod Clevis
- Base Weight: .05 lbs.
- Plus .01 lbs. per inch of stroke

### F-0313D02-00A

#### 5/16" Bore Cylinders

**Double Acting**

**Double Nose or Rear Pivot Mount**

- Standard Stroke Lengths: 1/2", 1", 1-1/2" 2", 2-1/2", 3", 4"
- Maximum Stroke: 4"
- Optional Accessories:
  - F-M117002 Mounting Bracket
  - F-M129001 Pivot Bracket
  - F-M127001 Rod Clevis
- Base Weight: .06 lbs.
- Plus .01 lbs. per inch of stroke

### 5/16" Bore Cylinder Features – Options & Accessories

- 10° to +165°F
- Piston Rod: Ground and Polished 303 Stainless Steel
- Mounting nuts are standard on all nose mount cylinders
- Approximate Force Exerted: (0.07) x (Air Line Pressure)
- Spring Force: 0.5 lb. Relaxed – 1 lb. Compressed

#### OPTION

- Viton® Seals –
  - Spring Return (15°F to 300°F)
  - Double Acting (15°F to 350°F)
  - Spring Extend (15°F to 300°F)
- Ports Rotated – 90° on S02, R02, or D02 (both)
- Rod Wipers – Not available
- Side Port
- Low Temperature Seals – Not available
- Rod Extension
- Rod Thread Extension

#### Mounting Bracket

- F-M117001

#### Mounting Bracket

- F-M117002

#### Pivot Bracket

- F-M129001

#### Rod Clevis

- F-M127001

#### Mounting Nut

- F-M190001

#### Mounting Nut

- F-M190002

---

Please visit [http://portal.fabco-air.com/configure.php](http://portal.fabco-air.com/configure.php) for current pricing. Specifications and prices subject to change without notice or incurring obligation.
F-Series
7/16" Bore Cylinders

Single Acting Spring Return
Front Nose Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
Maximum Stroke: 6"
Optional Accessories:
- F-M117004 Mounting Bracket
- F-M127002 Rod Clevis
Base Weight: .04 lbs.
Plus .04 lbs. per inch of stroke

Single Acting Spring Return
Rear Pivot Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
Maximum Stroke: 6"
Optional Accessories:
- F-M117004 Front Mounting Bracket
- F-M117003 Rear Mounting Bracket
- F-M029002 Pivot Bracket
- F-M127002 Rod Clevis
Base Weight: .04 lbs.
Plus .04 lbs. per inch of stroke

Single Acting Spring Extend
Front Nose Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3"
Maximum Stroke: 6"
Optional Accessories:
- F-M117003 Mounting Bracket
- F-M127002 Rod Clevis
Base Weight: .08 lbs.
Plus .03 lbs. per inch of stroke

Single Acting Spring Extend
Rear Pivot Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3"
Maximum Stroke: 6"
Optional Accessories:
- F-M117003 Mounting Bracket
- F-M029002 Pivot Bracket
- F-M127002 Rod Clevis
Base Weight: .08 lbs.
Plus .03 lbs. per inch of stroke
F-Series

7/16" Bore Cylinders

Single Acting Spring Return
Front Nose Mount
Non-Rotating
Maximum Stroke: 6"
Optional Accessories:
- F-M117004 Mounting Bracket
- F-M127002 Rod Clevis
Base Weight: .04 lbs.
Plus .04 lbs. per inch of stroke

Single Acting Spring Return
Rear Pivot Mount
Non-Rotating
Maximum Stroke: 6"
Optional Accessories:
- F-M117004 Front Mounting Bracket
- F-M117003 Rear Mounting Bracket
- F-M029002 Pivot Bracket
- F-M127002 Rod Clevis
Base Weight: .04 lbs.
Plus .04 lbs. per inch of stroke

Double Acting
Front Nose Mount
Maximum Stroke: 12"
Optional Accessories:
- F-M117003 Mounting Bracket
- F-M127002 Rod Clevis
Base Weight: .07 lbs
Plus .04 lbs. per inch of stroke

Double Acting
Rear Pivot Mount
Maximum Stroke: 12"
Optional Accessories:
- F-M117003 Mounting Bracket
- F-M029002 Pivot Bracket
- F-M127002 Rod Clevis
Base Weight: .08 lbs.
Plus .02 lbs. per inch of stroke
F-Series
7/16" Bore Cylinders

Cylinder Features – Options & Accessories

- −10° to +165°F
- Piston Rod:
  Round – Ground and Polished 303 Stainless Steel
  Hex – Ground 303 Stainless Steel
- Mounting nuts standard on all nose mount cylinders
- Approximate Force Exerted:
  \((0.15) \times (\text{Air Line PSI})\)
- Spring Force:
  1 lb. Relaxed – 2 lb. Compressed

OPTION

- Viton® Seals –
  Spring Return (−15°F to 300°F)
  D01 – Double Acting (−15°F to 350°F)
  D02 – Double Acting (−15°F to 350°F)
  Spring Extend (−15°F to 300°F)
- Ports Rotated – 90° on S02, R02, N02, or D02 (both)
- Rod Wiper – Not available
- Side Port
- Low Temperature Seals – Applications to −40°F
- Rod Extension
- Rod Thread Extension
### F-0563S01-00A
**Single Acting Spring Return**
Front Nose Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117003 Mounting Bracket
- F-M127002 Rod Clevis
Base Weight: .06 lbs.
Plus .05 lbs. per inch of stroke

### F-0563S02-00A
**Single Acting Spring Return**
Double Nose or Rear Pivot Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117003 Mounting Bracket
- F-M129002 Pivot Bracket
- F-M127002 Rod Clevis
Base Weight: .06 lbs.
Plus .05 lbs. per inch of stroke

### F-0563R01-00A
**Single Acting Spring Extend**
Front Nose Mount
Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3"
Maximum Stroke: 6"
Optional Accessories:
- F-M117003 Mounting Bracket
- F-M127002 Rod Clevis
Base Weight: .08 lbs.
Plus .04 lbs. per inch of stroke

### F-0563R02-00A
**Single Acting Spring Extend**
Double Nose or Rear Pivot Mount
Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3"
Maximum Stroke: 6"
Optional Accessories:
- F-M117003 Mounting Bracket
- F-M129002 Pivot Bracket
- F-M127002 Rod Clevis
Base Weight: .08 lbs.
Plus .04 lbs. per inch of stroke
F-Series

9/16" Bore Cylinders

**Single Acting** Spring Return
Front Nose Mount

**Non-Rotating**
Maximum Stroke: 6"

Optional Accessories:
- F-M117003 Mounting Bracket
- F-M127002 Rod Clevis

Base Weight: .06 lbs.
Plus .05 lbs. per inch of stroke

---

**Single Acting** Spring Return
Rear Pivot Mount

**Non-Rotating**
Maximum Stroke: 8"

Optional Accessories:
- F-M117003 Mounting Bracket
- F-M127002 Rod Clevis

Base Weight: .06 lbs.
Plus .05 lbs. per inch of stroke

---

**Double Acting**
Front Nose Mount

Maximum Stroke: 12"

Optional Accessories:
- F-M117003 Mounting Bracket
- F-M127002 Rod Clevis

Base Weight: .09 lbs.
Plus .02 lbs. per inch of stroke

---

**Double Acting**
Double Nose or Rear Pivot Mount

Maximum Stroke: 12"

Optional Accessories:
- F-M117003 Mounting Bracket
- F-M127002 Rod Clevis

Base Weight: .09 lbs.
Plus .02 lbs. per inch of stroke

---

Specifications and prices subject to change without notice or incurring obligation.
9/16" Bore Cylinder Specifications – Options & Accessories

- −10° to +165°F
- Piston Rod: Hex - Ground 303 Stainless Steel
  Round - Ground and Polished 303 Stainless Steel
- Mounting nuts are standard on all nose mount cylinders
- Bumpers are OPTIONAL on all 9/16" bore cylinders
  (except in combination with Viton® option)
- Approximate Force Exerted: (0.25) x (Air Line Pressure)
- Spring Force: 2 lb. Relaxed – 4 lb. Compressed
- Magnetic piston optional on all 9/16" bore cylinders
  (except in combination with Viton® option).

Options:

- Viton® Seals – Not available with bumpers or magnetic piston
  Spring Return (−15° F to 300° F)
  N01 & N02 Spring Return (−15° F to 300° F)
  Double Acting (−15° F to 350° F)
  Spring Extend (−15° F to 300° F)
  Double Rod (−15° F to 350° F)
- Ports Rotated – 90° on S02, R02, N02, or D02 (both)
- Rod Wiper – Not available
- Side Port – Cap end port on S01, N01, or D01
  Add .03 to OAL
- Low Temperature Seals – Applications to −40° F
- Rod Extension
- Rod Thread Extension

Mounting Bracket
F-M117003

Rod Clevis
F-M127002

Pivot Bracket
F-M129002

Mounting Nut
F-M190003
**F-Series**

**3/4" Bore Cylinders**

**Single Acting** Spring Return
Front Nose Mount
Standard Stroke Lengths:
- 1/2”, 1”, 1-1/2”, 2", 2-1/2", 3", 4"
Maximum Stroke: 6"

Optional Accessories:
- F-M117006 Mounting Bracket
- F-M127003 Rod Clevis

Base Weight: .10 lbs.
Plus .08 lbs. per inch of stroke

**Single Acting** Spring Extend
Front Nose Mount
Standard Stroke Lengths:
- 1/2”, 1”, 1-1/2”, 2", 2-1/2", 3", 4"
Maximum Stroke: 6" 

Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127003 Rod Clevis

Base Weight: .18 lbs.
Plus .07 lbs. per inch of stroke

**Single Acting** Spring Return
Rear Pivot Mount
Standard Stroke Lengths:
- 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
Maximum Stroke: 6"

Optional Accessories:
- F-M117006 Mounting Bracket
- F-M127003 Rod Clevis

Base Weight: .13 lbs.
Plus .08 lbs. per inch of stroke

**Single Acting** Spring Return
Non-Rotating
Front Nose Mount
Standard Stroke Lengths:
- 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
Maximum Stroke: 6"

Optional Accessories:
- F-M117006 Mounting Bracket
- F-M127003 Rod Clevis

Base Weight: .10 lbs.
Plus .08 lbs. per inch of stroke

---

Specifications and prices subject to change without notice or incurring obligation.
F-Series

3/4" Bore Cylinders

Single Acting Spring Return Rear Pivot Mount Non-Rotating
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
Maximum Stroke: 6"
Optional Accessories:
- F-M117006 Mounting Bracket
- F-M029003 Pivot Bracket
- F-M127003 Rod Clevis
Base Weight: .12 lbs.
Plus .08 lbs. per inch of stroke

Double Acting
Front Nose Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127003 Rod Clevis
Base Weight: .21 lbs.
Plus .03 lbs. per inch of stroke

Double Acting
Front Pivot Mount
Standard Stroke Lengths:
Maximum Stroke: 32"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M029003 Pivot Bracket
- F-M127003 Rod Clevis
Base Weight: .29 lbs.
Plus .03 lbs. per inch of stroke

Double Acting
Double Rod
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127003 Rod Clevis
Base Weight: .37 lbs.
Plus .04 lbs. per inch of stroke

Please visit http://portal.fabco-air.com/configure.php for current pricing. Specifications and prices subject to change without notice or incurring obligation.
### F-Series

#### 3/4" Bore Cylinders

**Double Acting**

**Front Block Mount**
- Maximum Stroke: 12"
- Optional Accessories:
  - F-M127003 Rod Clevis
- Base Weight: .22 lbs.
- Plus .03 lbs. per inch of stroke

**Trunnion Mount**
- Maximum Stroke: 12"
- Optional Accessories:
  - F-M029006 Trunnion Bracket
  - F-M127003 Rod Clevis
- Base Weight: .29 lbs.
- Plus .03 lbs. per inch of stroke

**Front Nose Mount**
- Maximum Stroke: 12"
- Optional Accessories:
  - F-M117005 Mounting Bracket
  - F-M127003 Rod Clevis
- Base Weight: .24 lbs.
- Plus .03 lbs. per inch of stroke

**Rear Pivot Mount**
- Maximum Stroke: 12"
- Optional Accessories:
  - F-M117005 Mounting Bracket
  - F-M029003 Pivot Bracket
  - F-M127003 Rod Clevis
- Base Weight: .29 lbs.
- Plus .03 lbs. per inch of stroke

---

**F-0750D05-00A**

- Mounting Nut Included
- BUMPER OPTION - NO CHANGE IN OAL
- MAGNETIC PISTON OPTION - NO CHANGE IN OAL
- BOTH BUMPER & MAGNETIC PISTON OPTIONS - ADD .125 TO OAL

**F-0750D06-00A**

- 1/8 NPTF (Typ)
- Maximum Stroke: 12"
- Optional Accessories:
  - F-M05RG&OHYLV
- Base Weight: .22 lbs.
- Plus .03 lbs. per inch of stroke

**F-0750DG1-00A**

- Optional Accessories:
  - F-M10RXQWLQJ
  - F-M10RXQW
  - F-M05RG&OHYLV
- Base Weight: .24 lbs.
- Plus .03 lbs. per inch of stroke

**F-0750DG2-00A or F-0750DG4-00A**

- DG2 - MOUNTING NUT NOT INCLUDED
- DG4 - INCLUDES MOUNTING NUTS, NO PIVOT PIN
- MAGNETIC PISTON OPTION - NO CHANGE IN OAL

---

Please visit http://portal.fabco-air.com/configure.php for current pricing. Specifications and prices subject to change without notice or incurring obligation.
F-Series
3/4" Bore Cylinders

Cylinder Specifications – Options & Accessories

• −10° to +165°F
• Piston Rod:
  Round - Ground, Polished, 303 Stainless Steel
  Hex - Ground 303 Stainless Steel
• Mounting nuts are standard on all nose mount cylinders
• Bronze Rod Guide Bushing is Standard
• Approximate Force Exerted: (0.4) x (Air Line Pressure)
• Spring Force: 3 lb. Relaxed – 6 lb. Compressed
• Magnetic piston optional on all 3/4" bore cylinders (except in combination with Viton® option).

OPTION

• Viton® Seals – Not available with bumpers or magnetic piston
  Spring Return (−15°F to 300°F)
  Double Acting (−15°F to 350°F)
  Spring Extend (−15°F to 300°F)
  Double Rod (−15°F to 350°F)
• Ports Rotated – 90°
  on S02, R02, N02, D02 (both), or D04 (both)
• Rod Wiper – Not available in spring return models
• Side Port – Cap end port on S01, N01, D01, D05, or D06 (Add .44 to OAL)
• Low Temperature Seals – Applications to −40°F
• Rod Extension
• Rod Thread Extension

Mounting Bracket
F-M117005

Mounting Bracket
F-M117006

Pivot Bracket
F-M029003

Trunnion Bracket
F-M029006

Rod Clevis
F-M127003

Pivot Bracket
F-M129003

Mounting Nut
F-M190004

Mounting Nut
F-M190005

Specifications and prices subject to change without notice or incurring obligation.
F-Series
7/8" Bore Cylinders

Single Acting Spring Return
Front Nose Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127003 Rod Clevis
Base Weight: .17 lbs.
Plus .09 lbs. per inch of stroke

Single Acting Spring Return
Rear Pivot Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127003 Rod Clevis
Base Weight: .17 lbs.
Plus .09 lbs. per inch of stroke

Single Acting Spring Extend
Front Nose Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127003 Rod Clevis
Base Weight: .20 lbs.
Plus .09 lbs. per inch of stroke

Single Acting Spring Extend
Rear Pivot Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127003 Rod Clevis
Base Weight: .20 lbs.
Plus .09 lbs. per inch of stroke
**F-Series**

**7/8" Bore Cylinders**

---

**F-0875N01-00A**

**Single Acting** Spring Return
Front Nose Mount Non-Rotating

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

*Maximum Stroke: 6"*

*Optional Accessories:*
- F-M117005 Mounting Bracket
- F-M127003 Rod Clevis

*Base Weight: .17 lbs.*

*Plus .09 lbs. per inch of stroke*

---

**F-0875N02-00A**

**Single Acting** Spring Return
Rear Pivot Mount Non-Rotating

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

*Maximum Stroke: 6"*

*Optional Accessories:*
- F-M117005 Mounting Bracket
- F-M029003 Pivot Bracket
- F-M127003 Rod Clevis

*Base Weight: .17 lbs.*

*Plus .09 lbs. per inch of stroke*

---

**F-0875D01-00A**

**Double Acting**
Front Nose Mount

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

*Maximum Stroke: 12"*

*Optional Accessories:*
- F-M117005 Mounting Bracket
- F-M127003 Rod Clevis

*Base Weight: .25 lbs.*

*Plus .03 lbs. per inch of stroke*

---

**F-0875D02-00A**

**Double Acting**
Rear Pivot Mount

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

*Maximum Stroke: 32"*

*Optional Accessories:*
- F-M117005 Mounting Bracket
- F-M029003 Pivot Bracket
- F-M127003 Rod Clevis

*Base Weight: .32 lbs.*

*Plus .03 lbs. per inch of stroke*

---

**Specifications and prices subject to change without notice or incurring obligation**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Standard Stroke Lengths</th>
<th>Maximum Stroke</th>
<th>Optional Accessories</th>
<th>Base Weight</th>
<th>Plus per inch of stroke</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-0875N01-00A</td>
<td>Single Acting Spring Return</td>
<td>1/2&quot;, 1&quot;, 1-1/2&quot;, 2&quot;, 2-1/2&quot;, 3&quot;, 4&quot;</td>
<td>6&quot;</td>
<td>F-M117005 Mounting Bracket, F-M127003 Rod Clevis</td>
<td>.17 lbs.</td>
<td>.09 lbs.</td>
</tr>
<tr>
<td>F-0875D01-00A</td>
<td>Double Acting</td>
<td>1/2&quot;, 1&quot;, 1-1/2&quot;, 2&quot;, 2-1/2&quot;, 3&quot;, 4&quot;, 5&quot;, 6&quot;</td>
<td>12&quot;</td>
<td>F-M117005 Mounting Bracket, F-M127003 Rod Clevis</td>
<td>.25 lbs.</td>
<td>.03 lbs.</td>
</tr>
<tr>
<td>F-0875D02-00A</td>
<td>Double Acting</td>
<td>1/2&quot;, 1&quot;, 1-1/2&quot;, 2&quot;, 2-1/2&quot;, 3&quot;, 4&quot;, 5&quot;, 6&quot;</td>
<td>32&quot;</td>
<td>F-M117005 Mounting Bracket, F-M029003 Pivot Bracket, F-M127003 Rod Clevis</td>
<td>.32 lbs.</td>
<td>.03 lbs.</td>
</tr>
</tbody>
</table>

9-20-18

Please visit [portal.fabco-air.com](http://portal.fabco-air.com) for current pricing.
**F-Series 7/8" Bore Cylinders**

**Double Acting**
- Double Nose or Rear Pivot Mount
- Maximum Stroke: 32"

**Optional Accessories:**
- F-M117005 Mounting Bracket
- F-M129003 Pivot Bracket
- F-M127003 Rod Clevis
- Base Weight: .32 lbs. Plus .03 lbs. per inch of stroke

---

**7/8" Bore Cylinder Specifications – Options & Accessories**

- –10° to +165°F
- Piston Rod:
  - Round - Ground and Polished, 303 Stainless Steel
  - Hex - Ground 303 Stainless Steel
- Mounting nuts are standard on all bore cylinders
- Bronze Rod Guide Bushing is Standard
- Approximate Force Exerted: (0.6) x (Air Line Pressure)
- Spring Force: 3 lb. Relaxled – 6 lb. Compressed
- Magnetic piston optional on 7/8" bore cylinders (except in combination with Viton® option).

---

**OPTION**

- **Viton® Seals – Not available with bumpers or magnetic piston**
  - S01 – Spring Return (–15°F to 300°F)
  - S02 – Spring Return (–15°F to 300°F)
  - R01 – Spring Extend (–15°F to 300°F)
  - R02 – Spring Extend (–15°F to 300°F)
  - N01 – Spring Return (–15°F to 300°F)
  - N02 – Spring Return (–15°F to 300°F)
  - D01 – Double Acting (–15°F to 350°F)
  - D02 – Double Acting (–15°F to 350°F)
  - D04 – Double Acting (–15°F to 350°F)
  - Spring Extend (–15°F to 300°F)

- Ports Rotated – 90° on S02, R02, N02, D02 (both), or D04 (both)
- Rod Wiper – Not available in spring return models
- Side Port – Cap end port on S01, N01, or D01
- Add .28 to OAL
- Low Temperature Seals – Applications to –40°F
- Rod Extension
- Rod Thread Extension

---


Specifications and prices subject to change without notice or incurring obligation
F-1062S01-00A

**F-1062S02-00A**

**F-1062R01-00A**

**F-1062R02-00A**

**Single Acting Spring Return**

**Front Nose Mount**

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

Maximum Stroke: 6"

Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 Rod Clevis

Base Weight: .23 lbs.

Plus .11 lbs. per inch of stroke

**Single Acting Spring Extend**

**Front Nose Mount**

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

Maximum Stroke: 6"

Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 Rod Clevis

Base Weight: .24 lbs.

Plus .16 lbs. per inch of stroke

**Single Acting Spring Extend**

**Rear Pivot Mount**

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

Maximum Stroke: 6"

Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 Rod Clevis

Base Weight: .24 lbs.

Plus .11 lbs. per inch of stroke

**MOUNTING NUT INCLUDED**

- .125
- .500
- .94 (TYP)
- 1/8" NPTF
- 5/8-18 UNF-2A THREAD (TYP)
- .250 WRENCH FLATS
- 5/16-24 UNF-2A THREAD

**MOUNTING NUT NOT INCLUDED**

- .125
- .500
- .94 (TYP)
- 1/8" NPTF
- 5/8-18 UNF-2A THREAD (TYP)
- .250 WRENCH FLATS
- 5/16-24 UNF-2A THREAD

---

Please visit http://portal.fabco-air.com/config.php for current pricing. Specifications and prices subject to change without notice or incurring obligation.
**F-Series**

**1-1/16" Bore Cylinders**

**Single Acting** Spring Return
Front Nose Mount Non-Rotating
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
Maximum Stroke: 6"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 Rod Clevis
Base Weight: .25 lbs.
Plus .12 lbs. per inch of stroke

**F-1062N01-00A**

<table>
<thead>
<tr>
<th>OAL</th>
<th>1/8&quot; NPTF</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.188</td>
<td>(.500)</td>
</tr>
<tr>
<td>2.188 + (1.562 PER 1.00 STROKE)</td>
<td>(+.000 -.003)</td>
</tr>
<tr>
<td>2.188</td>
<td>(.500)</td>
</tr>
<tr>
<td>2.188</td>
<td>(.500)</td>
</tr>
</tbody>
</table>

BUMPER OPTION (AVAILABLE CAP END ONLY) - ADD .125 TO OAL
MAGNETIC PISTON OPTION - ADD .562 TO OAL
BOTH BUMPER & MAGNETIC PISTON OPTIONS - ADD .765 TO OAL

**Single Acting** Spring Return
Rear Pivot Mount Non-Rotating
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
Maximum Stroke: 6"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 Pivot Bracket
- F-M127004 Rod Clevis
Base Weight: .25 lbs.
Plus .12 lbs. per inch of stroke

**F-1062N02-00A**

<table>
<thead>
<tr>
<th>OAL</th>
<th>1/8&quot; NPTF</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.781</td>
<td>(.500)</td>
</tr>
<tr>
<td>2.781 + (1.562 PER 1.00 STROKE)</td>
<td>(+.000 -.003)</td>
</tr>
<tr>
<td>2.781</td>
<td>(.500)</td>
</tr>
<tr>
<td>2.781</td>
<td>(.500)</td>
</tr>
</tbody>
</table>

BUMPER OPTION (AVAILABLE CAP END ONLY) - ADD .125 TO OAL
MAGNETIC PISTON OPTION - ADD .562 TO OAL
BOTH BUMPER & MAGNETIC PISTON OPTIONS - ADD .765 TO OAL

**Double Acting**
Front Nose Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 Rod Clevis
Base Weight: .33 lbs.
Plus .05 lbs. per inch of stroke

**F-1062D01-00A**

<table>
<thead>
<tr>
<th>OAL</th>
<th>1/8&quot; NPTF</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.158</td>
<td>(.500)</td>
</tr>
<tr>
<td>4.158</td>
<td>(.500)</td>
</tr>
<tr>
<td>4.158</td>
<td>(.500)</td>
</tr>
</tbody>
</table>

S$20.90 Base Price
Add $1.68 per inch of stroke

**Double Acting**
Rear Pivot Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 6"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 pivot Bracket
- F-M127004 Rod Clevis
Base Weight: .33 lbs.
Plus .05 lbs. per inch of stroke

**F-1062D02-00A**

<table>
<thead>
<tr>
<th>OAL</th>
<th>1/8&quot; NPTF</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.844</td>
<td>(.500)</td>
</tr>
<tr>
<td>3.844 + STROKE</td>
<td>(+.000 -.003)</td>
</tr>
<tr>
<td>3.844</td>
<td>(.500)</td>
</tr>
<tr>
<td>3.844</td>
<td>(.500)</td>
</tr>
</tbody>
</table>

BUMPER OPTION - ADD .125 TO OAL
MAGNETIC PISTON OPTION - NO CHANGE IN OAL
BOTH BUMPER & MAGNETIC PISTON OPTIONS - ADD .125 TO OAL

**Double Acting**
Double Nose or Rear Pivot Mount
Standard Stroke Lengths:
Maximum Stroke: 32"
Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 Pivot Bracket
- F-M127004 Rod Clevis
Base Weight: .33 lbs.
Plus .05 lbs. per inch of stroke

**F-1062D04-00A**

<table>
<thead>
<tr>
<th>OAL</th>
<th>1/8&quot; NPTF</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.158</td>
<td>(.500)</td>
</tr>
<tr>
<td>4.158</td>
<td>(.500)</td>
</tr>
<tr>
<td>4.158</td>
<td>(.500)</td>
</tr>
</tbody>
</table>

S$20.90 Base Price
Add $1.68 per inch of stroke

Specifications and prices subject to change without notice or incurring obligation


9-20-18
F-Series

1-1/16" Bore Cylinders

**Double Acting Double Rod**

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

Maximum Stroke: 12"

Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 Rod Clevis

Base Weight: .48 lbs.
Plus .07 lbs. per inch of stroke

---

**Double Acting Hollow Double Rod**

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

Maximum Stroke: 12"

Optional Accessories:
- F-M117005 Mounting Bracket

Base Weight: .47 lbs.
Plus .07 lbs. per inch of stroke

---

**Double Acting Front Block Mount**

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

Maximum Stroke: 12"

Optional Accessories:
- F-M127004 Rod Clevis

Base Weight: .49 lbs.
Plus .05 lbs. per inch of stroke

---

**Double Acting Trunnion Mount**

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

Maximum Stroke: 12"

Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 Rod Clevis

Base Weight: .49 lbs.
Plus .05 lbs. per inch of stroke

---

**Optional Accessories:**
- F-00RXWLQJ%UDFNHW
- VK*SL

Base Weight: .48 lbs.
Plus .07 lbs. per inch of stroke

---

**MOUNTING NUTS INCLUDED**

BUMPER OPTION – ADD .250 TO OAL
D03 – MAGNETIC PISTON OPTION – ADD .000 TO OAL
D13 – BOTH BUMPER & MAG. PISTON OPTIONS – ADD .250 TO OAL
D03 – BOTH BUMPER & MAG. PISTON OPTIONS – ADD .500 TO OAL
D13 – BUMPER & MAG. PISTON OPTIONS – ADD .500 TO OAL

**Specifications and prices subject to change without notice or incurring obligation**
**F-Series**

**1-1/16" Bore Cylinders**

**Double Acting Front Nose Mount with Adjustable Cushions**

Standard Stroke Lengths:
- Maximum Stroke: 12"

Optional Accessories:
- F-M117005 Mounting Bracket
- F-M127004 Rod Clevis
- Base Weight: .38 lbs.
- Plus .04 lbs. per inch of stroke

**1-1/16" Bore Cylinder Specifications – Options & Accessories**

- Double Acting Rear Pivot Mount with Adjustable Cushions
- Standard Stroke Lengths:
- Maximum Stroke: 32"
- Optional Accessories:
  - F-M117005 Mounting Bracket
  - F-M029003 Pivot Bracket
  - F-M127004 Rod Clevis
  - Base Weight: .44 lbs.
  - Plus .04 lbs. per inch of stroke

**Mounting Bracket**
- F-M117005

**Rod Clevis**
- F-M127004

**Trunnion Bracket**
- F-M029006

**Mounting Nut**
- F-M190005

**Pivot Bracket**
- F-M129003

**Pivot Bracket**
- F-M029003

**Double Acting**

**Front Nose Mount**
- F-1062DG1-00A

**Rear Pivot Mount**
- F-1062DG2-00A
- F-1062DG4-00A

**Optional Accessories:**
- Mounting Nut Included
- DG2 - Magnetic Piston Option - No Change in OAL
- DG4 - Includes Mounting Nuts, No Pivot Pin

**Base Weight:** .38 lbs. for Double Acting
- Plus .04 lbs. per inch of stroke

**Specifications and prices subject to change without notice or incurring obligation**
F-Series
1-1/4" Bore Cylinders

Single Acting Spring Return
Front Nose Mount
Maximum Stroke: 6"
Optional Accessories:
• F-M117007 Mounting Bracket
• F-M127005 Rod Clevis
Base Weight: .39 lbs.
Plus .21 lbs. per inch of stroke

Single Acting Spring Return
Double Nose or Rear Pivot Mount
Maximum Stroke: 6"
Optional Accessories:
• F-M117007 Mounting Bracket
• F-M229003 Pivot Bracket
• F-M127005 Rod Clevis
Base Weight: .53 lbs.
Plus .21 lbs. per inch of stroke

Single Acting Spring Extend
Front Nose Mount
Maximum Stroke: 6"
Optional Accessories:
• F-M117007 Mounting Bracket
• F-M127005 Rod Clevis
Base Weight: .50 lbs.
Plus .21 lbs. per inch of stroke

Single Acting Spring Extend
Double Nose or Rear Pivot Mount
Maximum Stroke: 6"
Optional Accessories:
• F-M117007 Mounting Bracket
• F-M229003 Pivot Bracket
• F-M127005 Rod Clevis
Base Weight: .57 lbs.
Plus .21 lbs. per inch of stroke

Single Acting Spring Return
Front Nose Mount Non-Rotating
Maximum Stroke: 6"
Optional Accessories:
• F-M117007 Mounting Bracket
• F-M127005 Rod Clevis
Base Weight: .41 lbs.
Plus .20 lbs. per inch of stroke
**F-Serie**

1-1/4" Bore Cylinders

**Single Acting**  Spring Return Rear Pivot Mount

**Non-Rotating**

- Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
- Maximum Stroke: 6"
- Optional Accessories:
  - F-M117007 Mounting Bracket
  - F-M229003 Pivot Bracket
  - F-M127005 Rod Clevis
- Base Weight: .41 lbs.
- Plus .20 lbs. per inch of stroke

**Double Acting**

- Front Nose Mount
- Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
- Maximum Stroke: 12"
- Optional Accessories:
  - F-M117007 Mounting Bracket
  - F-M127005 Rod Clevis
- Base Weight: .58 lbs.
- Plus .08 lbs. per inch of stroke

**Double Acting**

- Double Nose or Rear Pivot Mount
- Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
- Maximum Stroke: 32"
- Optional Accessories:
  - F-M117007 Mounting Bracket
  - F-M229003 Pivot Bracket
  - F-M127005 Rod Clevis
- Base Weight: .71 lbs.
- Plus .08 lbs. per inch of stroke

**Double Acting**

- Double Rod
- Maximum Stroke: 12"
- Optional Accessories:
  - F-M117007 Mounting Bracket
  - F-M127005 Rod Clevis
- Base Weight: .98 lbs.
- Plus .12 lbs. per inch of stroke

Please visit [http://portal.fabco-air.com/configure.php](http://portal.fabco-air.com/configure.php) for current pricing. Specifications and prices subject to change without notice or incurring obligation.
FABCO-AIR

F-Serie

1-1/4" Bore Cylinders

F-1250DH3-00A

Double Acting
Hollow Double Rod
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
- F-M117007 Mounting Bracket
  Base Weight: .97 lbs.
  Plus .12 lbs. per inch of stroke

1-1/4" Bore Cylinder Specifications – Options & Accessories

- –10° to +165°F
- Piston Rod:
  Round – Ground and Polished, 303 Stainless Steel.
  Hex – Ground 303 Stainless Steel.
- Bronze rod guide bushing is standard.
- Approximate force exerted = (1.2) x (air line pressure).
- Spring force: 7.5 lbs. relaxed, 15 lbs. compressed.
- Mounting nuts are standard on all nose mount cylinders.
- Bumpers are optional on all 1-1/4" bore cylinders
  (except in combination with Viton® option).
- Magnetic piston option on all 1-1/4" bore cylinders
  (except in combination with Viton® option).

<table>
<thead>
<tr>
<th>OPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>S01 – Spring Return (–15°F to 300°F)</td>
</tr>
<tr>
<td>S02 – Spring Return (–15°F to 300°F)</td>
</tr>
<tr>
<td>N01 &amp; N02 – Spring Return (–15°F to 300°F)</td>
</tr>
<tr>
<td>R01 – Spring Extend (–15°F to 300°F)</td>
</tr>
<tr>
<td>R02 – Spring Extend (–15°F to 300°F)</td>
</tr>
<tr>
<td>Double Acting (–15°F to 350°F)</td>
</tr>
<tr>
<td>Double Rod (–15°F to 350°F)</td>
</tr>
<tr>
<td>Ports Rotated – 90°</td>
</tr>
<tr>
<td>Rod Wiper – Not available in spring return models</td>
</tr>
<tr>
<td>Side Port - Cap end port on S01, N01, or D01</td>
</tr>
<tr>
<td>Add .31 to OAL</td>
</tr>
<tr>
<td>Low Temperature Seals – Applications to ~40° F</td>
</tr>
<tr>
<td>Rod Extension</td>
</tr>
<tr>
<td>Rod Thread Extension</td>
</tr>
</tbody>
</table>

Mounting Bracket
F-M117007

Pivot Bracket
F-M229003

Rod Clevis
F-M127005

Mounting Nut
F-M190006

Please visit http://portal.fabco-air.com/config.php for current pricing.
Specifications and prices subject to change without notice or incurring obligation.
F-Series
1-1/2" Bore Cylinders

Single Acting  Spring Return Front Nose Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M127005 Rod Clevis
Base Weight: .44 lbs.
Plus .22 lbs. per inch of stroke

Single Acting  Spring Return Rear Pivot Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M029004 Pivot Bracket
- F-M127005 Rod Clevis
Base Weight: .45 lbs.
Plus .22 lbs. per inch of stroke

Single Acting  Spring Extend Front Nose Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M127005 Rod Clevis
Base Weight: .44 lbs.
Plus .22 lbs. per inch of stroke

Single Acting  Spring Extend Rear Pivot Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M029004 Pivot Bracket
- F-M127005 Rod Clevis
Base Weight: .45 lbs.
Plus .22 lbs. per inch of stroke

Single Acting  Spring Return Non-Rotating Front Nose Mount
Maximum Stroke: 6"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M127005 Rod Clevis
Base Weight: .45 lbs.
Plus .22 lbs. per inch of stroke
F-Series

1-1/2" Bore Cylinders

**Single Acting** Spring Return
Rear Pivot Mount Non-Rotating
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
Maximum Stroke: 6"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M029004 Pivot Bracket
- F-M127005 Rod Clevis
Base Weight: .46 lbs.
Plus .22 lbs. per inch of stroke

**Double Acting**
Front Nose Mount
Standard Stroke Lengths:
Maximum Stroke: 12"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M127005 Rod Clevis
Base Weight: .69 lbs.
Plus .08 lbs. per inch of stroke

**Double Acting**
Rear Pivot Mount
Standard Stroke Lengths:
Maximum Stroke: 32"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M029004 Pivot Bracket
- F-M127005 Rod Clevis
Base Weight: .73 lbs.
Plus .08 lbs. per inch of stroke

**Double Acting**
Double Nose Mount
Standard Stroke Lengths:
Maximum Stroke: 32"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M127005 Rod Clevis
Base Weight: .82 lbs.
Plus .08 lbs. per inch of stroke

**Double Acting**
Double Rod
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M127005 Rod Clevis
Base Weight: 1.17 lbs.
Plus .13 lbs. per inch of stroke
F-Series
1-1/2" Bore Cylinders

Double Acting
Hollow Double Rod
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
- F-M117007 Mounting Bracket
Base Weight: 1.16 lbs.
Plus .13 lbs. per inch of stroke

Double Acting
Front Block Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
- F-M127005 Rod Clevis
Base Weight: .99 lbs.
Plus .08 lbs. per inch of stroke

Double Acting
Trunnion Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
- F-M029006 Trunnion Bracket
- F-M127005 Rod Clevis
Base Weight: 1.06 lbs.
Plus .08 lbs. per inch of stroke

Double Acting
Front Nose Mount with Adjustable Cushions
Standard Stroke Lengths:
Maximum Stroke: 12"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M127005 Rod Clevis
Base Weight: .76 lbs.
Plus .09 lbs. per inch of stroke
1-1/2" Bore Cylinder Specifications – Options & Accessories

-0°F to +165°F
- Bronze rod guide bushing is standard.
- Approximate force exerted = (1.7) x (air line pressure).
- Spring force: 7 lbs. relaxed, 14 lbs. compressed.
- Mounting nuts are standard on all nose mount cylinders.
- Bumpers are optional on all 1-1/2" bore cylinders (except in combination with Viton® option).
- Magnetic piston optional on all 1-1/2" bore cylinders (except in combination with Viton® option).

MOUNTING NUT NOT INCLUDED

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viton® Seals – Not available with bumpers or magnetic piston</td>
<td></td>
</tr>
<tr>
<td>S01 &amp; N01 – Spring Return (-15°F to 300°F)</td>
<td></td>
</tr>
<tr>
<td>S02 – Spring Return (-15°F to 300°F)</td>
<td></td>
</tr>
<tr>
<td>N02 – Spring Return (-15°F to 300°F)</td>
<td></td>
</tr>
<tr>
<td>Double Acting (-15°F to 350°F)</td>
<td></td>
</tr>
<tr>
<td>D06 – Double Acting (-15°F to 350°F)</td>
<td></td>
</tr>
<tr>
<td>R01 – Spring Extend (-15°F to 300°F)</td>
<td></td>
</tr>
<tr>
<td>R02 – Spring Extend (-15°F to 300°F)</td>
<td></td>
</tr>
<tr>
<td>R05 – Spring Extend (-15°F to 350°F)</td>
<td></td>
</tr>
<tr>
<td>D06 – Spring Extend (-15°F to 350°F)</td>
<td></td>
</tr>
<tr>
<td>Double Rod (-15°F to 350°F)</td>
<td></td>
</tr>
<tr>
<td>Ports Rotated – 90° on S02, R02, N02, or D02 (both)</td>
<td></td>
</tr>
<tr>
<td>Rod Wiper – Not available in spring return models</td>
<td></td>
</tr>
<tr>
<td>Side Port – Cap end port on S01, N01, D01, D05, or D06 (Add .19 to OAL)</td>
<td></td>
</tr>
<tr>
<td>Low Temperature Seals – Applications to -40°F</td>
<td></td>
</tr>
<tr>
<td>Rod Extension</td>
<td></td>
</tr>
<tr>
<td>Rod Thread Extension</td>
<td></td>
</tr>
</tbody>
</table>

F-1500DG2-00A

Double Acting
Rear Pivot Mount
with Adjustable Cushions
Standard Stroke Lengths:
Maximum Stroke: 32"
Optional Accessories:
- F-M117007 Mounting Bracket
- F-M029004 Pivot Bracket
- F-M127005 Rod Clevis
Base Weight: .77 lbs.
Plus .09 lbs. per inch of stroke

MAGNETIC PISTON OPTION - NO CHANGE IN OAL

9-20-18

Specifications and prices subject to change without notice or incurring obligation.
### F-Series 1-3/4" Bore Cylinders

#### Single Acting  Spring Return
Front Nose Mount

- **Standard Stroke Lengths:**
  - 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
- **Maximum Stroke:** 6"
- **Optional Accessories:**
  - F-M117008 Mounting Bracket
  - F-M127006 Rod Clevis
- **Base Weight:** .85 lbs.
- Plus .36 lbs. per inch of stroke

---

### F-1750S01-00A

![Diagram](image)

#### Single Acting  Spring Return
Double Nose or Rear Pivot Mount

- **Standard Stroke Lengths:**
  - 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
- **Maximum Stroke:** 6"
- **Optional Accessories:**
  - F-M117008 Mounting Bracket
  - F-M129005 Pivot Bracket
  - F-M127006 Rod Clevis
- **Base Weight:** .86 lbs.
- Plus .36 lbs. per inch of stroke

---

### F-1750S02-00A

![Diagram](image)

#### Single Acting  Spring Extend
Front Nose Mount

- **Standard Stroke Lengths:**
  - 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
- **Maximum Stroke:** 6"
- **Optional Accessories:**
  - F-M117008 Mounting Bracket
  - F-M127006 Rod Clevis
- **Base Weight:** 1.17 lbs.
- Plus .31 lbs. per inch of stroke

---

### F-1750R01-00A

![Diagram](image)

#### Double Acting
Front Nose Mount

- **Standard Stroke Lengths:**
- **Maximum Stroke:** 12"
- **Optional Accessories:**
  - F-M117008 Mounting Bracket
  - F-M127006 Rod Clevis
- **Base Weight:** 1.29 lbs.
- Plus .11 lbs. per inch of stroke
1-3/4" Bore Cylinder Specifications – Options & Accessories

- 10° to +165°F
- Piston Rod: Ground and Polished, 303 Stainless Steel.
- Bronze rod guide bushing is standard.
- Approximate force exerted = (2.4) x (air line pressure).
- Spring force: 11 lbs. relaxed, 24 lbs. compressed.
- Mounting nuts are standard on all nose mount cylinders.
- Bumpers are optional on all 1-3/4" bore cylinders (except in combination with Viton® option).
- Magnetic piston optional on all 1-3/4" bore cylinders (except in combination with Viton® option).

Option

- Viton® Seals – Not available with bumpers or magnetic piston
  - Spring Return (–15° F to 300° F)
  - Double Acting (–15° F to 350° F)
  - Spring Extend (–15° F to 300° F)
- Ports Rotated – 90° on S02 or D02 models (both)
- Rod Wiper – Not available in spring return models
- Side Port - Cap end ports on S01 or D01 models
  - Add .56 to OAL
- Low Temperature Seals – Applications to –40° F
- Rod Extension
- Rod Thread Extension

Bumper Option - No Change In OAL
Magnetic Piston Option - No Change In OAL
Both Bumper & Magnetic Piston Options - No Change In OAL
**F-Series**

**2" Bore Cylinders**

**Single Acting Spring Return**
Front Nose Mount
Maximum Stroke: 4"
Optional Accessories:
- F-M117009 Mounting Bracket
- F-M127006 Rod Clevis
Base Weight: 1.04 lbs.
Plus .43 lbs. per inch of stroke

**Single Acting Spring Return**
Double Nose or Rear Pivot Mount
Maximum Stroke: 4"
Optional Accessories:
- F-M117009 Mounting Bracket
- F-M229005 Pivot Bracket
- F-M127006 Rod Clevis
Base Weight: 1.26 lbs.
Plus .43 lbs. per inch of stroke

**Single Acting Spring Extend**
Front Nose Mount
Maximum Stroke: 4"
Optional Accessories:
- F-M117009 Mounting Bracket
- F-M127006 Rod Clevis
Base Weight: 1.24 lbs.
Plus .43 lbs. per inch of stroke

**Single Acting Spring Extend**
Double Nose or Rear Pivot Mount
Maximum Stroke: 4"
Optional Accessories:
- F-M117009 Mounting Bracket
- F-M229005 Pivot Bracket
- F-M127006 Rod Clevis
Base Weight: 1.46 lbs.
Plus .43 lbs. per inch of stroke
F-Series

2" Bore Cylinders

Double Acting

Front Nose Mount

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

Maximum Stroke: 12"

Optional Accessories:
- F-M117009 Mounting Bracket
- F-M127006 Rod Clevis

Base Weight: 1.40 lbs.
Plus .15 lbs. per inch of stroke

Optional Accessories:
- MOUNTING NUT INCLUDED
- BUMPER OPTION - ADD .250 TO OAL
- MAGNETIC PISTON OPTION - NO CHANGE IN OAL
- BOTH BUMPER & MAGNETIC PISTON OPTIONS - ADD .250 TO OAL

Double Acting

Double Nose or Rear Pivot Mount

Standard Stroke Lengths:

Maximum Stroke: 32"

Optional Accessories:
- F-M117009 Mounting Bracket
- F-M229005 Pivot Bracket
- F-M127006 Rod Clevis

Base Weight: 1.62 lbs.
Plus .15 lbs. per inch of stroke

Optional Accessories:
- MOUNTING NUT INCLUDED
- BUMPER OPTION - ADD .250 TO OAL
- MAGNETIC PISTON OPTION - NO CHANGE IN OAL
- BOTH BUMPER & MAGNETIC PISTON OPTIONS - ADD .250 TO OAL

Double Acting

Double Rod

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

Maximum Stroke: 12"

Optional Accessories:
- F-M117009 Mounting Bracket
- F-M127006 Rod Clevis

Base Weight: 1.97 lbs.
Plus .24 lbs. per inch of stroke

Optional Accessories:
- MOUNTING NUT INCLUDED
- BUMPER OPTION - ADD .250 TO OAL
- MAGNETIC PISTON OPTION - NO CHANGE IN OAL
- BOTH BUMPER & MAGNETIC PISTON OPTIONS - ADD .250 TO OAL
F-Series

2" Bore Cylinders

Double Acting
Front Nose Mount
with Adjustable Cushions
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
• F-M117009 Mounting Bracket
• F-M127006 Rod Clevis
Base Weight: 1.64 lbs.
Plus .15 lbs. per inch of stroke

Double Acting
Rear Pivot Mount
with Adjustable Cushions
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 32"
Optional Accessories:
• F-M117009 Mounting Bracket
• F-M229005 Pivot Bracket
• F-M127006 Rod Clevis
Base Weight: 1.68 lbs.
Plus .15 lbs. per inch of stroke

Double Acting
Front Nose Mount
1" Diameter Rod
with Wear Band Piston
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Base Weight: approximately 1.79 lbs.
Plus .28 lbs. per inch of stroke

Double Acting
Rear Pivot Mount
1" Diameter Rod
with Wear Band Piston
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
• F-M229005 Pivot Bracket
Base Weight: approximately 2.01 lbs.
Plus .28 lbs. per inch of stroke

Bumpers Not Available
Magnetic Piston Option – Add .299 to OAL
Specifications and prices subject to change without notice or incurring obligation
Standard Cylinder Specifications – Options & Accessories

-10°C to +165°F
- Piston Rod: Ground and Polished, 303 Stainless Steel (Except for 1" Rod Models. See below).
- Bronze rod guide bushing is standard.
- Approximate force exerted = (3.1) x (air line pressure).
- Spring force: 15 lbs. relaxed, 30 lbs. compressed.
- Mounting nuts are standard on all nose mount cylinders except 1" rod models.
- Bumpers are optional on all 2" bore cylinders (except in combination with Viton® option).
- Magnetic piston optional on all 2" bore cylinders (except in combination with Viton® option).

1" Rod Cylinder Specifications

- 1" chrome rod is standard.
- Magnetic piston optional.
- Viton® seals optional.

### OPTION

- **Viton® Seals** – Not available with bumpers or magnetic piston
  - Spring Return (–15°F to 300°F)
  - Double Acting (–15°F to 350°F)
  - D02 – Double Acting (–15°F to 350°F)
  - R01 – Spring Extend (–15°F to 300°F)
  - R02 – Spring Extend (–15°F to 300°F)
  - Double Rod (–15°F to 350°F)
- Ports Rotated – 90°
  - on S02, R02, or D02 models (both).
- Rod Wiper – Not available in spring return models
- Side Port - Cap end port on S01 or D01 models
  - Add .38 to OAL
- Low Temperature Seals – Applications to –40°F
- Rod Extension - Single, reverse and double acting
- Rod Thread Extension
**F-Series**

**2-1/2" Bore Cylinders**

### Double Acting

**Front Nose Mount**
- Standard Stroke Lengths:
- Maximum Stroke: 12"
- Optional Accessories:
  - F-M117010 Mounting Bracket
  - F-M229005 Pivot Bracket
  - F-M127006 Rod Clevis
  - F-M190012 Mounting Nut
- Base Weight: 1.98 lbs.
- Plus .17 lbs. per inch of stroke

**Rear Pivot Mount**
- Standard Stroke Lengths:
- Maximum Stroke: 32"
- Optional Accessories:
  - F-M117010 Mounting Bracket
  - F-M229005 Pivot Bracket
  - F-M127006 Rod Clevis
  - F-M190012 Mounting Nut
- Base Weight: 2.27 lbs.
- Plus .17 lbs. per inch of stroke

### 2-1/2" Bore Cylinder Specifications – Options & Accessories

- 
- +165°F
- Piston Rod: Ground and Polished, 303 Stainless Steel.
- Bronze rod guide bushing is standard.
- Approximate force exerted = (5.0) x (air line pressure).
- Magnetic piston optional on all 2-1/2" bore cylinders (except in combination with Viton option).

#### OPTION

- Viton® Seals – Not available with bumpers or magnetic piston
  - D01 – Double Acting (–15°F to 350°F)
  - D02 – Double Acting (–15°F to 350°F)
- Ports Rotated – 90° on D02 (both)
- Rod Wiper –
- Side Port – Cap end on D01. Add .38 to overall length
- Low Temperature Seals – Applications to –40°F
- Rod Extension
- Rod Thread Extension

---

Specifications and prices subject to change without notice or incurring obligation.
3" Bore Cylinder Specifications – Options & Accessories

-10° to +165°F
- Piston Rod
  Ground and Polished, 303 Stainless Steel is standard.
  Bronze rod guide bushing is standard.
  Approximate force exerted = (7.0) x (air line pressure).
- Magnetic piston optional on all 3" bore cylinders
  (except in combination with Viton option).

Option
- Viton® Seals – Not available with bumpers or magnetic piston
  Double Acting (-15° F to 350° F)
- Ports Rotated – 90° on D02 model (both)
- Rod Wiper –
- Side Port – Cap end on D01. Add .44 to OAL
- Low Temperature Seals – Applications to -40° F
- Rod Extension
- Rod Thread Extension

F-Series

3" Bore Cylinders

Double Acting
Front Nose Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
*Optional Accessories:
  - F-M117011 Mounting Bracket
  - F-M127007 Rod Clevis
  - F-M190013 Mounting Nut
Base Weight: 3.34 lbs.
Plus .26 lbs. per inch of stroke

Double Acting
Double Nose or Rear Pivot Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 32"
*Optional Accessories:
  - F-M117011 Mounting Bracket
  - F-M229006 Pivot Bracket
  - F-M127007 Rod Clevis
  - F-M190013 Mounting Nut
Base Weight: 3.87 lbs.
Plus .26 lbs. per inch of stroke

Mounting Nut Not Included

MOUNTING NUT NOT INCLUDED

F-3000D01-00A

F-3000D02-00A

BUMPER OPTION - ADD .062 TO OAL
MAGNETIC PISTON OPTION - NO CHANGE IN OAL
BOTH BUMPER & MAGNETIC PISTON OPTIONS - ADD .062 TO OAL

Mounting Bracket
F-M117011

Pivot Bracket
F-M229006

Rod Clevis
F-M127007

Mounting Nut
F-M190013

Specifications and prices subject to change without notice or incurring obligation
F-Series
Volume Chambers

How to Order

F-1500  V 01 – 01  A

Fractional Inch Length
(1 digit)
A = 0"

Full Inch Length (2 digits)
00 = 0"
01 = 1"
02 = 2"
03 = 3"
... 
32 = 32"

Series

Bore Size (4 digits)
0750 = 3/4"
1062 = 1-1/16"
1500 = 1-1/2"
2000 = 2"
2500 = 2-1/2"
3000 = 3"

Style
V = Volume chamber

Version
01 = In-line mount

Bore Size Specifications

<table>
<thead>
<tr>
<th>Bore</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>INCHES³ PER INCH</th>
<th>STANDARD LENGTH</th>
<th>MAX. LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>1.062</td>
<td>0.19</td>
<td>0.625</td>
<td>0.013</td>
<td>1/8</td>
<td>0.44</td>
<td>1&quot; Increments to 4&quot;</td>
<td>32&quot;</td>
</tr>
<tr>
<td>1-1/16&quot;</td>
<td>1.188</td>
<td>0.19</td>
<td>0.675</td>
<td>1.125</td>
<td>1/8</td>
<td>0.88</td>
<td>1&quot; Increments to 8&quot;</td>
<td>32&quot;</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>1.375</td>
<td>0.25</td>
<td>0.875</td>
<td>1.563</td>
<td>1/8</td>
<td>1.76</td>
<td>1&quot; Increments to 16&quot;</td>
<td>32&quot;</td>
</tr>
<tr>
<td>2&quot;</td>
<td>1.767</td>
<td>0.31</td>
<td>1.250</td>
<td>2.087</td>
<td>1/4</td>
<td>3.14</td>
<td>1&quot; Increments to 16&quot;</td>
<td>32&quot;</td>
</tr>
<tr>
<td>2-1/2&quot;</td>
<td>1.767</td>
<td>0.31</td>
<td>1.750</td>
<td>2.625</td>
<td>1/4</td>
<td>4.9</td>
<td>1&quot; Increments to 24&quot;</td>
<td>32&quot;</td>
</tr>
<tr>
<td>3&quot;</td>
<td>2.000</td>
<td>0.31</td>
<td>2.000</td>
<td>3.156</td>
<td>3/8</td>
<td>7.0</td>
<td>1&quot; Increments to 24&quot;</td>
<td>32&quot;</td>
</tr>
</tbody>
</table>

Volume Chamber Specifications

- -40° to +350°F
- 303 stainless steel body.
- Aluminum alloy end caps.
- Pressure rating: 250 psi.
F-Series

Delrin® Corrosion Resistant Cylinders

Features

- Delrin® head, Delrin® cap and aluminum piston provide excellent corrosion resistance in wash down environments where cylinders are exposed to moisture and certain solvents.
- Stainless steel rod and tube complete the corrosion resistance package and provide long life.
- Corrosion resistant cylinders are offered in three standard bore sizes: 3/4", 1-1/16" and 1-1/2" with both nose and rear pivot mounts.
- Stroke tolerance +/- .032

Delrin® is a registered trademark of DuPont.
★ Call DuPont (800) 441-0575 for information regarding properties of this material.

F-0750DC1-00A
3/4" Bore Delrin® Series
Double Acting Front Nose Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
*Optional Accessories:
- F-M19S005 Stainless Steel Mounting Nut
Base Weight: .13 lbs.
Plus .03 lbs. per inch of stroke

F-0750DC2-00A
3/4" Bore Delrin® Series
Double Acting Rear Pivot Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 32"
*Optional Accessories:
- F-M19S005 Stainless Steel Mounting Nut
Base Weight: .15 lbs.
Plus .03 lbs. per inch of stroke

F-0750DC3-00A
3/4" Bore Delrin® Series
Double Acting Double Rod
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
*Optional Accessories:
- F-M19S005 Stainless Steel Mounting Nut
Base Weight: .18 lbs.
Plus .05 lbs. per inch of stroke
F-Series
Delrin® Corrosion Resistant Cylinders

1-1/16" Bore Delrin® Series
Double Acting Front Nose Mount
Maximum Stroke: 12"
Optional Accessories:
- F-M19S005 Stainless Steel Mounting Nut
Base Weight: .21 lbs.
Plus .05 lbs. per inch of stroke

1-1/16" Bore Delrin® Series
Double Acting Rear Pivot Mount
Maximum Stroke: 32"
Optional Accessories:
- F-M19S005 Stainless Steel Mounting Nut
Base Weight: .25 lbs.
Plus .05 lbs. per inch of stroke

1-1/2" Bore Delrin® Series
Double Acting Double Rod
Maximum Stroke: 12"
Optional Accessories:
- F-M19S006 Stainless Steel Mounting Nut
Base Weight: .46 lbs.
Plus .08 lbs. per inch of stroke

1-1/2" Bore Delrin® Series
Double Acting Rear Pivot Mount
Maximum Stroke: 32"
Optional Accessories:
- F-M19S006 Stainless Steel Mounting Nut
Base Weight: .48 lbs.
Plus .08 lbs. per inch of stroke

Specifications and prices subject to change without notice or incurring obligation
Delrin® Cylinder Specifications – Options & Accessories

- Maximum operating pressure 100psi Air.
- Temperature range +32° to +160°F.
- Piston Rod
  Ground and polished, 303 stainless steel is standard.
- Magnetic piston optional on all bore cylinders
  (except in combination with Viton option).

**OPTION**

- Viton® Seals – Not available with bumpers or magnetic piston
  (for media or environment compatibility only)
  - DC1 – 3/4 Bore
  - DC2 – 3/4 Bore
  - DC3 – 3/4 Bore
  - DC1 – 1-1/16 Bore
  - DC2 – 1-1/16 Bore
  - DC3 – 1-1/16 Bore
  - DC1 – 1-1/2 Bore
  - DC2 – 1-1/2 Bore
  - DC3 – 1-1/2 Bore

- Pivot Bushing – Not Available
- Ports Rotated – Not Available
- Rod Wiper – Not Available
- Side Port – Not Available
- Low Temp. Seals – Not Available
- Rod Extension –
  - 3/4 Bore
  - 1-1/16 Bore
  - 1-1/2 Bore

- Rod Thread Extension –
  - 3/4 Bore
  - 1-1/16 Bore
  - 1-1/2 Bore
F-Serie Magnetic Interchange

9/16" Bore Cylinders

Double Acting
Front Nose Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
• F-M117003 Mounting Bracket
• F-M127002 Rod Clevis
Base Weight: .10 lbs.
Plus .01 lbs. per inch of stroke

Double Acting
Double Nose or Rear Pivot Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
• F-M117003 Mounting Bracket
• F-M129002 Pivot Bracket
• F-M127002 Rod Clevis
Base Weight: .10 lbs.
Plus .01 lbs. per inch of stroke

Double Acting
Double Rod
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
• F-M117003 Mounting Bracket
• F-M127002 Rod Clevis
Base Weight: .14 lbs.
Plus .02 lbs. per inch of stroke

9/16" Bore Cylinder Specifications – Options & Accessories

• ~10°F to +165°F
• Piston Rod: Ground/Polished 303 Stainless Steel
• Mounting nuts are not included
• Bumpers are optional on all 9/16" bore cylinders
• Approximate Force Exerted: (0.25) x (Supply psi)
• Stroke tolerance ±.032

Mounting Bracket
F-M117003

Pivot Bracket
F-M129002

Rod Clevis
F-M127002

Mounting Nut
F-M190003
F-Series Magnetic Interchange
3/4" Bore Cylinders

Double Acting
Front Nose Mount
Maximum Stroke: 12"
Optional Accessories:
- F-M117005 Mounting Bracket
  Base Weight: .24 lbs.
  Plus .04 lbs. per inch of stroke

Double Acting
Double Nose or Rear Pivot Mount
Maximum Stroke: 32"
Optional Accessories:
- F-M117005 Mounting Bracket
  Base Weight: .30 lbs.
  Plus .04 lbs. per inch of stroke

Double Acting
Double Rod
Maximum Stroke: 12"
Optional Accessories:
- F-M117005 Mounting Bracket
  Base Weight: .41 lbs.
  Plus .06 lbs. per inch of stroke

3/4" Bore Cylinder Specifications – Options & Accessories

- -10° to +165°F
- Piston Rod: Ground/Polished 303 Stainless Steel
- Mounting nuts are not included
- Bumpers are optional on all 3/4" bore cylinders
- Approximate Force Exerted: (0.4) x (Supply psi)
- Stroke tolerance ±.032

Option
- Ports Rotated – 90° on DM2 (both)
- Viton® Seals – (for media or environment compatibility only)
  DM1 & DM2
  DM3
- Rod Wiper
- Side Port – DM1 (Add .44 to OAL)
- Rod Extension DM1, DM2
- Rod Thread Extension

Mounting Bracket
F-M117005

Mounting Nut
F-M190005
F-Serie
Magnetic Interchange
1-1/16" Bore Cylinders

Double Acting
1-1/16" Bore Cylinders

Front Nose Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
- F-M127004 Rod Clevis
Base Weight .37 lbs.
Plus .05 lbs. per inch of stroke

Double Acting
1-1/16" Bore Cylinders

Double Nose or Rear Pivot Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6".
Maximum Stroke: 32"
Optional Accessories:
- F-M127004 Rod Clevis
Base Weight .42 lbs.
Plus .05 lbs. per inch of stroke

Double Acting
1-1/16" Bore Cylinders

Double Rod
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
- F-M127004 Rod Clevis
Base Weight .60 lbs.
Plus .08 lbs. per inch of stroke

1-1/16" Bore Cylinder Specifications – Options & Accessories

-10° to +165°F
Piston Rod: Ground/Polished 303 Stainless Steel
Mounting nuts are not included
- Bumpers are optional on all 1-1/16" bore cylinders
- Approximate Force Exerted: (0.9) x (Supply psi)
- Stroke tolerance ±.032

Environmental Compatibility
- DM1 & DM2
- DM3

Ports Rotated – 90° on DM2 (both)
Viton® Seals – (for media or environment compatibility only)

Option
- Rod Wiper
- Side Port – DM1 (Add .25 to OAL)
- Rod Extension DM1, DM2
- Rod Thread Extension

Specifications and prices subject to change without notice or incurring obligation.
1-1/4" Bore Cylinder Specifications – Options & Accessories

**OPTION**

- Ports Rotated – 90° on DM2 (both)
- Viton® Seals – (for media or environment compatibility only)
  - DM1 & DM2
  - DM3
- Rod Wiper
- Side Port – DM1 (Add .25 to OAL)
- Rod Extension DM1, DM2
- Rod Thread Extension

- −10° to +165°F
- Piston Rod: Ground/Polished 303 Stainless Steel
- Mounting nuts are not included
- Bumpers are optional on all 1-1/4" bore cylinders
- Approximate Force Exerted: (1.2) x (Supply psi)
- Stroke tolerance ±.032
F-Series Magnetic Interchange
1-1/2" Bore Cylinders

Double Acting
Front Nose Mount
Maximum Stroke: 12"
Optional Accessories:
• F-M127005 Rod Clevis
Base Weight: .74 lbs.
Plus .10 lbs. per inch of stroke

Double Acting
Double Nose or Rear Pivot Mount
Maximum Stroke: 32"
Optional Accessories:
• F-M127005 Rod Clevis
Base Weight: .87 lbs.
Plus .10 lbs. per inch of stroke

Double Acting Double Rod
Maximum Stroke: 12"
Optional Accessories:
• F-M127005 Rod Clevis
Base Weight: .94 lbs.
Plus .20 lbs. per inch of stroke

1-1/2" Bore Cylinder Specifications – Options & Accessories

• –10° to +165°F
• Piston Rod: Ground/Polished 303 Stainless Steel
• **Mounting nuts are not included**
• Bumpers are optional on all 1-1/2" bore cylinders
• Approximate Force Exerted: (1.7) x (Supply psi)
• Stroke tolerance ±.032

![Diagram of F-1500DM1-00A Cylinders](image1)

![Diagram of F-1500DM2-00A Cylinders](image2)

![Diagram of F-1500DM3-00A Cylinders](image3)

**OPTION**

• Ports Rotated – 90° on DM2 (both)
• Viton® Seals – (for media or environment compatibility only)
  • DM1 & DM2
  • DM3
• Rod Wiper –
• Side Port – DM1 (Add .25 to OAL)
• Rod Extension DM1, DM2
• Rod Thread Extension

![Diagram of JAM NUT](image4)

![Diagram of Rod Clevis](image5)

![Diagram of Mounting Nut](image6)
F-Series Magnetic Interchange

1-3/4" Bore Cylinders

Double Acting
Front Nose Mount
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
• F-M117012 Mounting Bracket
• F-M127006 Rod Clevis
Base Weight: 1.14 lbs.
Plus .13 lbs. per inch of stroke

Double Acting
Double Nose or Rear Pivot Mount
Standard Stroke Lengths:
Maximum Stroke: 32"
Optional Accessories:
• F-M117012 Mounting Bracket
• F-M127006 Rod Clevis
Base Weight: 1.30 lbs.
Plus .13 lbs. per inch of stroke

Double Acting
Double Rod
Standard Stroke Lengths:
1/2", 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6"
Maximum Stroke: 12"
Optional Accessories:
• F-M117012 Mounting Bracket
• F-M127006 Rod Clevis
Base Weight: 1.40 lbs.
Plus .26 lbs. per inch of stroke

1-3/4" Bore Cylinder Specifications – Options & Accessories

• ±10° to +165°F
• Piston Rod: Ground/Polished 303 Stainless Steel
• Mounting nuts are not included
• Bumpers are optional on all 1-3/4" bore cylinders
• Approximate Force Exerted: (2.4) x (Supply psi)
• Stroke tolerance ±0.032

Specifications and prices subject to change without notice or incurring obligation
F-Series Magnetic Interchange
2" Bore Cylinders

Double Acting
Front Nose Mount
Maximum Stroke: 12"
Optional Accessories:
• F-M127006 Rod Clevis
Base Weight: 1.55 lbs.
Plus .15 lbs. per inch of stroke

Double Acting
Double Nose or Rear Pivot Mount
Maximum Stroke: 32"
Optional Accessories:
• F-M127006 Rod Clevis
Base Weight: 1.80 lbs.
Plus .15 lbs. per inch of stroke

Double Acting
Double Rod
Maximum Stroke: 12"
Optional Accessories:
• F-M127006 Rod Clevis
Base Weight: 1.90 lbs.
Plus .30 lbs. per inch of stroke

2" Bore Cylinder Specifications – Options & Accessories

• −10° to +165°F
• Piston Rod: Ground/Polished 303 Stainless Steel
• Mounting nuts are not included
• Bumpers are optional on all 2" bore cylinders
• Approximate Force Exerted: (3.1) x (Supply psi)
• Stroke tolerance ±.032

F-2000DM1-00A
5.09 + STROKE
1/4 NPTF
1.246/1.249 Ø PILOT
1/4-12 UNF-2A THREAD
.500 WRENCH FLATS
BUMPER OPTION – ADD: .250 TO OAL

F-2000DM2-00A
6.12 + STROKE
1/4 NPTF
1.246/1.249 Ø PILOT (TYP)
1/4-12 UNF-2A THREAD (TYP)
.500 WRENCH FLATS (TYP)
BUMPER OPTION – ADD: .250 TO OAL

F-2000DM3-00A
7.12 + (2 TIMES STROKE)
1/4 NPTF
1.246/1.249 Ø PILOT (TYP)
1/4-12 UNF-2A THREAD (TYP)
.500 WRENCH FLATS (TYP)
BUMPER OPTION – ADD: .250 TO OAL

Double Acting F-2000DM1-00A
Front Nose Mount
Maximum Stroke: 12"
Optional Accessories:
• F-M127006 Rod Clevis
Base Weight: 1.55 lbs.
Plus .15 lbs. per inch of stroke

Double Acting F-2000DM2-00A
Double Nose or Rear Pivot Mount
Maximum Stroke: 32"
Optional Accessories:
• F-M127006 Rod Clevis
Base Weight: 1.80 lbs.
Plus .15 lbs. per inch of stroke

Double Acting F-2000DM3-00A
Double Rod
Maximum Stroke: 12"
Optional Accessories:
• F-M127006 Rod Clevis
Base Weight: 1.90 lbs.
Plus .30 lbs. per inch of stroke

Option
• Ports Rotated – 90° on DM2 (both)
• Viton® Seals – (for media or environment compatibility only)
  DM1 & DM2
  DM3
• Rod Wiper –
• Side Port – DM1 (Add .56 to OAL)
• Rod Extension DM1, DM2
• Rod Thread Extension

Specifications and prices subject to change without notice or incurring obligation
**F-Series Magnetic Interchange**

**2-1/2" Bore Cylinders**

---

### F-2500DM1-00A

**Double Acting**

- Front Nose Mount
- Maximum Stroke: 12"
- Optional Accessories:
  - F-M127007 Rod Clevis
  - Base Weight: 2.48 lbs.
  - Plus .20 lbs. per inch of stroke

---

### F-2500DM2-00A

**Double Acting**

- Double Nose or Rear Pivot Mount
- Maximum Stroke: 32"
- Optional Accessories:
  - F-M127007 Rod Clevis
  - Base Weight: 2.90 lbs.
  - Plus .20 lbs. per inch of stroke

---

### F-2500DM3-00A

**Double Acting**

- Double Rod
- Maximum Stroke: 12"
- Optional Accessories:
  - F-M127007 Rod Clevis
  - Base Weight: 3.15 lbs.
  - Plus .40 lbs. per inch of stroke

---

### 2-1/2" Bore Cylinder Specifications – Options & Accessories

- --10° to +165°F
- Piston Rod: Ground/Polished 303 Stainless Steel
- **Mounting nuts are not included**
  - Bumpers are optional on all 2-1/2" bore cylinders
  - Approximate Force Exerted: (5.0) x (Supply psi)
  - Stroke tolerance ±.032

---

**OPTION**

- Ports Rotated – 90° on DM2 (both)
- Viton® Seals – (for media or environment compatibility only)
  - DM1
  - DM2
  - DM3
- Rod Wiper –
- Side Port - DM1. (Add .38 to OAL)
- Rod Extension DM1, DM2
- Rod Thread Extension

---

For more information, please visit http://portal.fabco-air.com/configure.php for current pricing.
Specifications and prices subject to change without notice or incurring obligation.
F-Series
3-Position (Tandem) Cylinders

Tandem cylinders are generally used when three distinct rod positions are required from a single cylinder body. Two cylinders are assembled tip-to-tail with a common center head. Using cylinders with two different lengths (the shorter located on the rear cylinder), enables the front rod to be extended from “home” to a positive mid-position or to full extension.

How they work

Exposed rod is in retracted “home” position when port 1 is pressurized and ports 2 & 4 are open to atmosphere.

Rod is extended to mid position when port 4 is pressurized and ports 1 & 2 are open to atmosphere.

Rod is fully extended when port 2 is pressurized and ports 1 & 4 are open to atmosphere.

How to Order

In the order example above, when port 4 is pressurized, the cylinder will stroke 4". When port 2 is pressurized, the cylinder will stroke an additional 2" for a total of 6".

For cylinder 2 strokes over 8" and/or combined strokes over 24", consult factory.

Stroke Tolerance

<table>
<thead>
<tr>
<th>Series</th>
<th>Bore Size (4 digits)</th>
<th>Mounting Style</th>
<th>Stroke 1</th>
<th>Stroke 2</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-1500</td>
<td></td>
<td>D1</td>
<td>06A</td>
<td>04A</td>
<td>12</td>
</tr>
</tbody>
</table>

Options (2 digits)
12 = Magnetic Piston both ends
Leave blank if magnetic piston is not required

Cyl. 2 Stroke
Cyl. 1 Stroke

Stroke Tolerance

<table>
<thead>
<tr>
<th>Bore Size</th>
<th>Stroke Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot; thru 1-1/2&quot; bore</td>
<td>+.075 / -.040</td>
</tr>
<tr>
<td>2&quot; bore</td>
<td>+.095 / -.060</td>
</tr>
</tbody>
</table>

Full Inch Stroke (2 digits)

<table>
<thead>
<tr>
<th>00 = 0&quot;</th>
<th>01 = 1&quot;</th>
<th>02 = 2&quot;</th>
<th>03 = 3&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 = 8&quot; (max. cyl. 2 stroke)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note:
Total Stroke 1 + Stroke 2 not to exceed 24"

Fractional Inch Stroke

<table>
<thead>
<tr>
<th>A (1 digit)</th>
<th>I</th>
</tr>
</thead>
<tbody>
<tr>
<td>0&quot;</td>
<td>1/2&quot;</td>
</tr>
</tbody>
</table>
F-0750D1-00A-00A-00
3/4" Bore
Front Nose Mount
Available Stroke Lengths:
Cyl. 2 – 1/2" increments to 8"
Cyl. 1 – 1/2" increments
Total stroke 1 + stroke 2 not to exceed 24"
Optional Accessories:
+F-M117005 Mounting Bracket
See details page 61

F-1062D1-00A-00A-00
1-1/16" Bore
Front Nose Mount
Available Stroke Lengths:
Cyl. 2 – 1/2" increments to 8"
Cyl. 1 – 1/2" increments
Total stroke 1 + stroke 2 not to exceed 24"
Optional Accessories:
+F-M117005 Mounting Bracket
See details page 61

F-1500D1-00A-00A-00
1-1/2" Bore
Front Nose Mount
Available Stroke Lengths:
Cyl. 2 – 1/2" increments to 8"
Cyl. 1 – 1/2" increments
Total stroke 1 + stroke 2 not to exceed 24"
Optional Accessories:
+F-M117007 Mounting Bracket
See details page 61

F-2000D1-00A-00A-00
2" Bore
Front Nose Mount
Available Stroke Lengths:
Cyl. 2 – 1/2" increments to 8"
Cyl. 1 – 1/2" increments
Total stroke 1 + stroke 2 not to exceed 24"
Optional Accessories:
+F-M117009 Mounting Bracket
See details page 61
F-Series
Hole Punch Cylinders

Fabco-Air's rugged Hole Punch Cylinder enables trouble-free punching of millions of holes in plastic film; ideally suited for LLDPE (linear low density polyethylene). A major feature allows punch replacement without having to replace the cylinder. Available in eight different hole punch sizes from 1/8” to 3/4”, razor sharp plastic punches are self-sharpening and significantly outlast conventional steel punches in most applications.

An air ejector, foam ejector, and auto ejector are offered as options. These ejectors discharge material slugs from the center of the punch and prevent debris build-up.

Punches may be used with any F-Series cylinder that has 1/4-28 UNF-2A male threads. For your convenience, Fabco-Air has configured three standard cylinders designed specifically for hole punch applications. A thread extension of 1/2” aids punch position adjustment. Elastomer bumpers are included to ensure quiet operation. The cylinders are rated for 250 psi. A mounting nut is included.

<table>
<thead>
<tr>
<th>3/4” Bore Single Acting Spring Return</th>
<th>FM-12263-00I</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” Stroke</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Bumpers</td>
</tr>
<tr>
<td></td>
<td>- 1/2” Thread Extension</td>
</tr>
<tr>
<td></td>
<td>- Mounting Nut Included</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3/4” Bore Single Acting Spring Return</th>
<th>FM-12263-01A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” Stroke</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Bumpers</td>
</tr>
<tr>
<td></td>
<td>- 1/2” Thread Extension</td>
</tr>
<tr>
<td></td>
<td>- Mounting Nut Included</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3/4” Bore Single Acting Spring Return</th>
<th>FM-12264-00I</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” Stroke - Non-Rotating Rod</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Bumpers</td>
</tr>
<tr>
<td></td>
<td>- 1/2” Thread Extension</td>
</tr>
<tr>
<td></td>
<td>- Mounting Nut Included</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3/4” Bore Single Acting Spring Return</th>
<th>FM-12264-01A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” Stroke - Non-Rotating Rod</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Bumpers</td>
</tr>
<tr>
<td></td>
<td>- 1/2” Thread Extension</td>
</tr>
<tr>
<td></td>
<td>- Mounting Nut Included</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3/4” Bore Single Acting Spring Return</th>
<th>FM-12265-00I</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” Stroke - Hollow Rod for air ejector applications</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Bumpers</td>
</tr>
<tr>
<td></td>
<td>- 1/2” Thread Extension</td>
</tr>
<tr>
<td></td>
<td>- Mounting Nut Included</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3/4” Bore Single Acting Spring Return</th>
<th>FM-12265-01A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” Stroke - Hollow Rod for air ejector applications</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Bumpers</td>
</tr>
<tr>
<td></td>
<td>- 1/2” Thread Extension</td>
</tr>
<tr>
<td></td>
<td>- Mounting Nut Included</td>
</tr>
</tbody>
</table>

Stroke Tolerance ± .032

Please visit http://portal.fabco-air.com/configure.php for current pricing. Specifications and prices subject to change without notice or incurring obligation.
**F-Series**

**Replaceable Hole Punches**

**Benefits**

- Punches are replaceable without replacing cylinder.
- Punches are self-sharpening, light weight plastic. Made from specially formulated material, these punches regularly outlast steel punches in most applications.
- Auto-Ejector is standard on 1/8" and 1/4" diameters.
- Foam ejector is standard on 3/8" to 3/4" diameters.
- Punch locations are adjustable along cylinder rod.
- Excellent for use in:
  - Linear Low Density Polyethylene Film (LLDPE)
  - Polyethylene film up to 3 mil thickness
  - Polypropylene film up to 1 mil thickness

**Cylinder and Punch Assemblies**

```
<table>
<thead>
<tr>
<th>Part #</th>
<th>Hole Dia.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Ejector Type</th>
<th>Adapter Required</th>
<th>Package Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-PCN-18</td>
<td>1/8&quot;</td>
<td>.125</td>
<td>.54</td>
<td>1.99</td>
<td>.44</td>
<td>Auto Ejector Pin</td>
<td>F-AB-1A ($27.11 ea.)</td>
<td>$60.26</td>
</tr>
<tr>
<td>F-PCN-14</td>
<td>1/4&quot;</td>
<td>.250</td>
<td>.54</td>
<td>1.99</td>
<td>.44</td>
<td>Auto Ejector Pin</td>
<td>F-AB-1A ($27.11 ea.)</td>
<td>58.24</td>
</tr>
<tr>
<td>F-PCN-38</td>
<td>3/8&quot;</td>
<td>.375</td>
<td>.54</td>
<td>1.00</td>
<td>NA</td>
<td>Foam Ejector</td>
<td>None</td>
<td>99.03</td>
</tr>
<tr>
<td>F-PCN-716</td>
<td>7/16&quot;</td>
<td>.437</td>
<td>.54</td>
<td>1.00</td>
<td>NA</td>
<td>Foam Ejector</td>
<td>None</td>
<td>58.24</td>
</tr>
<tr>
<td>F-PCN-12</td>
<td>1/2&quot;</td>
<td>.500</td>
<td>.54</td>
<td>1.00</td>
<td>NA</td>
<td>Foam Ejector</td>
<td>None</td>
<td>58.24</td>
</tr>
<tr>
<td>F-PCN-916</td>
<td>9/16&quot;</td>
<td>.562</td>
<td>.60</td>
<td>1.06</td>
<td>NA</td>
<td>Foam Ejector</td>
<td>None</td>
<td>66.80</td>
</tr>
<tr>
<td>F-PCN-58</td>
<td>5/8&quot;</td>
<td>.625</td>
<td>.60</td>
<td>1.06</td>
<td>NA</td>
<td>Foam Ejector</td>
<td>None</td>
<td>66.80</td>
</tr>
<tr>
<td>F-PCN-34</td>
<td>3/4&quot;</td>
<td>.750</td>
<td>.60</td>
<td>1.06</td>
<td>NA</td>
<td>Foam Ejector</td>
<td>None</td>
<td>84.08</td>
</tr>
</tbody>
</table>
```

**Note:**

1. Punch standard package quantity is 5 pieces.
2. Adapters are available individually, and are not supplied with the punch.
3. For air ejection applications, use hollow rod cylinders type FM12265.
4. Jam nuts are included with all "Hole Punch" cylinders.
PFA Series
Position Feedback Cylinders

General Technical Data
The PFA Series is an economical pneumatic linear actuator that contains an internal Linear Resistive Transducer (LRT). It is ideal for applications where traditional magnetic position sensing is not acceptable. Additionally, the PFA Series is conducive where variations in cylinder stroke and speed are required or where an application calls for continuous position monitoring.
- Operating pressure: 150 psi max.
- Recommended Media: Filtered, clean, dry "non-condensing" compressed air. Do not apply any fluids that may be electrically conductive. Water-based fluids should not be used.

Electrical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Resistance</td>
<td>1000 ohms (± 20%) per inch of stroke</td>
</tr>
<tr>
<td>Resolution</td>
<td>Infinite (limited by interfacing electronics)</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>0° F to 160° F</td>
</tr>
<tr>
<td>Life Rating</td>
<td>500 million inches of travel on transducer</td>
</tr>
<tr>
<td>Linearity</td>
<td>±1% of stroke (or better)</td>
</tr>
<tr>
<td>Interface</td>
<td>6&quot; cable with M8x1 Quick Connect</td>
</tr>
<tr>
<td>Signal Input</td>
<td>Typically 10 VDC</td>
</tr>
<tr>
<td>Maximum Speed</td>
<td>50 in/sec</td>
</tr>
<tr>
<td>Maximum Standard Stroke</td>
<td>18 inches (longer strokes available upon request)</td>
</tr>
<tr>
<td>Maximum Current</td>
<td>1 microamp required from the transducer</td>
</tr>
</tbody>
</table>

How to Order Cylinder

<table>
<thead>
<tr>
<th>Basic Series</th>
<th>10</th>
<th>AM</th>
<th>06</th>
<th>A 01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder Bore</td>
<td>10 = 1-1/16&quot;</td>
<td>15 = 1-1/2&quot;</td>
<td>20 = 2&quot;</td>
<td>25 = 2-1/2&quot;</td>
</tr>
<tr>
<td>Cylinder Type</td>
<td>AM = PFA Series</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cylinder Mounting</td>
<td>1 = Front Nose</td>
<td>2 = Rear Pivot</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

“Standard” Full Inches of Stroke
- 01 = 1” Stroke
- 02 = 2” Stroke
- 03 = 3” Stroke
- 04 = 4” Stroke
- 06 = 6” Stroke
- 08 = 8” Stroke
- 12 = 12” Stroke
- 18 = 18” Stroke (Max. Available)

Note: Non-standard stroke lengths will increase lead time.

Rod and/or Thread Extension
- 1A__ = Rod Extension (Code is 1A plus 3 digits)
  Example: 1A01A = 1" + no fractional inch ext’n.
- 2A__ = Thread Extension (Code is 2A plus 3 digits)
  Example: 2A01E = 1-1/4” extension.
- RT___ = Rod and Thread Extension
  (Code is RT plus 6 digits; specify rod extension first)
  Example: RT02A01M = 2” rod & 1-3/4" thread ext’n.

Options
- 00 = No Options (or leave blank)
- 01 = Bumpers

Fractional Inches of Stroke
- A = 0"
- I = 1/2"

Note that the PFA Series can integrate with some Fabco-Air slide products. Contact your local distributor or Fabco-Air engineering for details.
### PFA Cylinder Dimensions

<table>
<thead>
<tr>
<th></th>
<th>1-1/16&quot; Bore</th>
<th>1-1/2&quot; Bore</th>
<th>2&quot; Bore</th>
<th>2-1/2&quot; Bore</th>
<th>3&quot; Bore</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.59</td>
<td>4.88</td>
<td>5.46</td>
<td>6.41</td>
<td>6.78</td>
</tr>
<tr>
<td>B</td>
<td>0.375</td>
<td>0.500</td>
<td>0.625</td>
<td>0.750</td>
<td>0.750</td>
</tr>
<tr>
<td>C</td>
<td>0.63</td>
<td>0.88</td>
<td>1.00</td>
<td>1.25</td>
<td>1.25</td>
</tr>
<tr>
<td>D</td>
<td>1.312</td>
<td>1.58</td>
<td>2.08</td>
<td>2.63</td>
<td>3.16</td>
</tr>
<tr>
<td>E</td>
<td>1.75</td>
<td>1.72</td>
<td>1.92</td>
<td>2.25</td>
<td>2.16</td>
</tr>
<tr>
<td>F</td>
<td>1.06</td>
<td>1.13</td>
<td>1.188</td>
<td>1.50</td>
<td>1.438</td>
</tr>
<tr>
<td>G</td>
<td>0.31</td>
<td>0.31</td>
<td>0.38</td>
<td>0.44</td>
<td>0.44</td>
</tr>
<tr>
<td>H</td>
<td>0.09</td>
<td>0.09</td>
<td>0.13</td>
<td>0.13</td>
<td>0.19</td>
</tr>
<tr>
<td>I</td>
<td>5/16-24 UNF</td>
<td>7/16-20 UNF</td>
<td>1/2-20 UNF</td>
<td>5/8-18 UNF</td>
<td>5/8-18 UNF</td>
</tr>
<tr>
<td>J</td>
<td>0.31</td>
<td>0.44</td>
<td>0.50</td>
<td>0.63</td>
<td>0.83</td>
</tr>
<tr>
<td>K</td>
<td>7/8-14 UNF</td>
<td>1 1/8-12 UNF</td>
<td>1 1/4-12 UNF</td>
<td>1 3/8-12 UNF</td>
<td>1 1/2-12 UNF</td>
</tr>
<tr>
<td>L</td>
<td>0.875</td>
<td>1.125</td>
<td>1.375</td>
<td>1.500</td>
<td>1.625</td>
</tr>
<tr>
<td>O</td>
<td>0.44</td>
<td>0.41</td>
<td>0.50</td>
<td>0.56</td>
<td>0.63</td>
</tr>
<tr>
<td>P</td>
<td>0.84</td>
<td>0.83</td>
<td>0.93</td>
<td>1.13</td>
<td>1.47</td>
</tr>
<tr>
<td>Q</td>
<td>0.38</td>
<td>0.63</td>
<td>0.75</td>
<td>0.88</td>
<td>0.88</td>
</tr>
<tr>
<td>R</td>
<td>0.875</td>
<td>1.125</td>
<td>1.375</td>
<td>1.500</td>
<td>1.625</td>
</tr>
<tr>
<td>S</td>
<td>0.47</td>
<td>0.56</td>
<td>0.56</td>
<td>0.75</td>
<td>0.81</td>
</tr>
<tr>
<td>T</td>
<td>5.06</td>
<td>5.44</td>
<td>6.02</td>
<td>7.16</td>
<td>7.59</td>
</tr>
<tr>
<td>U</td>
<td>5.34</td>
<td>5.91</td>
<td>6.46</td>
<td>7.78</td>
<td>8.22</td>
</tr>
<tr>
<td>V</td>
<td>0.250</td>
<td>0.375</td>
<td>0.375</td>
<td>0.500</td>
<td>0.500</td>
</tr>
<tr>
<td>EE</td>
<td>1/8 NPTF</td>
<td>1/4 NPTF</td>
<td>1/4 NPTF</td>
<td>3/8 NPTF</td>
<td>3/8 NPTF</td>
</tr>
</tbody>
</table>

**Front Nose Mount** - 150 psi Max.
Cylinder Type AM1
Rod wiper is standard.
Mounting nut is not included.

**Rear Pivot Mount** - 150 psi Max.
Cylinder Type AM2
Rod wiper is standard.
Mounting nut is not included.
Pivot bushing NOT available.

**Note:**
Remove pivot mount attachment and rotate 90° to align pivot eye to ports.

See page 61 for accessory details.
Port Mounted Flow Controls

Swivel, Brass Body Flow Controls
- Full 360° Swivel • Compact Size • Pre-applied thread sealant

SPECIFICATIONS
- Male sizes:
  #10-32, 1/8 NPT, 1/4 NPT
- Female NPT or instant tube connections:
  10-32, 1/8 NPT, 1/4 NPT,
  5/32" T, 1/4" T, 3/8" T
- Choice of controlled flow direction
  - Valve mount – Meter in
  - Cylinder mount – Meter out
- Operating pressure to 150 PSI (10 bar)
- Operating temperature: -25° to 250°F

Swivel, Molded Body Flow Controls
- Full 360° Swivel • Compact Size • Pre-applied thread sealant

SPECIFICATIONS
- Male sizes:
  #10-32, 1/8 NPT, 1/4 NPT, 3/8 NPT
- Female instant tube connections:
  5/32" T, 1/4" T, 3/8" T
- Operating pressure to 150 PSI (10 bar)
- Operating temperature:
  0 to 160°F (-18°C to 70°C)
- High flow rates (see chart at right)
- Use with air or other inert gas only
- Not recommended for use with liquids
- Meter out only

How to Order

Model Numbers & Dimensions

![KNOB ADJUSTABLE VALVES](image)
### F-Series Port Mounted Flow Controls

#### Size 1
10-32 Male Thread

**Knob Adjustment**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Lock Nut</th>
</tr>
</thead>
<tbody>
<tr>
<td>.18</td>
<td>.38</td>
</tr>
</tbody>
</table>

**Connection**

- #10-32 Tap Shown
- 10-32 with O’Ring Seal

**Screwdriver Adjustment**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Lock Nut</th>
</tr>
</thead>
<tbody>
<tr>
<td>.18</td>
<td>.38</td>
</tr>
</tbody>
</table>

**Connection**

- #10-32 Tap Shown
- 10-32 with O’Ring Seal

**Flow Characteristics**

**Typical Free Flow Maximum**

<table>
<thead>
<tr>
<th>Supply Pressure</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 psi</td>
<td>1.1 SCFM</td>
</tr>
<tr>
<td>100 psi</td>
<td>1.8 SCFM</td>
</tr>
</tbody>
</table>

---

#### Size 2
1/8 NPT Male Thread

**Knob Adjustment**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Lock Nut</th>
</tr>
</thead>
<tbody>
<tr>
<td>.31</td>
<td>.63</td>
</tr>
</tbody>
</table>

**Connection**

- 1/8 NPT Tap Shown
- Preapplied Thread Sealant

**Screwdriver Adjustment**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Lock Nut</th>
</tr>
</thead>
<tbody>
<tr>
<td>.31</td>
<td>.63</td>
</tr>
</tbody>
</table>

**Connection**

- 1/8 NPT Tap Shown
- Preapplied Thread Sealant

**Flow Characteristics**

**Typical Free Flow Maximum**

<table>
<thead>
<tr>
<th>Supply Pressure</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 psi</td>
<td>10.4 SCFM</td>
</tr>
<tr>
<td>100 psi</td>
<td>16.0 SCFM</td>
</tr>
</tbody>
</table>

---

#### Size 4
1/4 NPT Male Thread

**Knob Adjustment**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Lock Nut</th>
</tr>
</thead>
<tbody>
<tr>
<td>.75</td>
<td>.38</td>
</tr>
</tbody>
</table>

**Connection**

- 1/4 NPT Tap Shown
- Preapplied Thread Sealant

**Screwdriver Adjustment**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Lock Nut</th>
</tr>
</thead>
<tbody>
<tr>
<td>.75</td>
<td>.38</td>
</tr>
</tbody>
</table>

**Connection**

- 1/4 NPT Tap Shown
- Preapplied Thread Sealant

**Flow Characteristics**

**Typical Free Flow Maximum**

<table>
<thead>
<tr>
<th>Supply Pressure</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 psi</td>
<td>15.9 SCFM</td>
</tr>
<tr>
<td>100 psi</td>
<td>24.8 SCFM</td>
</tr>
</tbody>
</table>

---

#### Model Number / Price

<table>
<thead>
<tr>
<th>Male Thread</th>
<th>Adjustment</th>
<th>Connection</th>
<th>Valve Mount Meter In</th>
<th>Price</th>
<th>Cylinder Mount Meter Out</th>
<th>Price</th>
<th>Dim.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size #1</td>
<td>Knob</td>
<td>10-32 Tap</td>
<td>PV1-A</td>
<td>-</td>
<td>PC1-A</td>
<td>-</td>
<td>.63</td>
</tr>
<tr>
<td>#10-32</td>
<td>Knob</td>
<td>5/32&quot; Tube</td>
<td>PV1-C</td>
<td>-</td>
<td>PC1-C</td>
<td>-</td>
<td>1.16</td>
</tr>
<tr>
<td></td>
<td>Screwdriver</td>
<td>10-32 Tap</td>
<td>PV1-K</td>
<td>-</td>
<td>PC1-K</td>
<td>-</td>
<td>.63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5/32&quot; Tube</td>
<td>PV1-M</td>
<td>-</td>
<td>PC1-M</td>
<td>-</td>
<td>1.16</td>
</tr>
<tr>
<td>Size #2</td>
<td>Knob</td>
<td>1/8 NPT Tap</td>
<td>PV2-A</td>
<td>-</td>
<td>PC2-A</td>
<td>-</td>
<td>1.00</td>
</tr>
<tr>
<td>1/8 NPT</td>
<td>Knob</td>
<td>5/32&quot; Tube</td>
<td>PV2-C</td>
<td>-</td>
<td>PC2-C</td>
<td>-</td>
<td>1.65</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1/4&quot; Tube</td>
<td>PV2-D</td>
<td>-</td>
<td>PC2-D</td>
<td>-</td>
<td>1.63</td>
</tr>
<tr>
<td></td>
<td>Screwdriver</td>
<td>1/8 NPT Tap</td>
<td>PV2-K</td>
<td>-</td>
<td>PC2-K</td>
<td>-</td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5/32&quot; Tube</td>
<td>PV2-M</td>
<td>-</td>
<td>PC2-M</td>
<td>-</td>
<td>1.65</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1/4&quot; Tube</td>
<td>PV2-N</td>
<td>-</td>
<td>PC2-N</td>
<td>-</td>
<td>1.63</td>
</tr>
<tr>
<td>Size #4</td>
<td>Knob</td>
<td>1/4 NPT Tap</td>
<td>PV4-A</td>
<td>-</td>
<td>PC4-A</td>
<td>-</td>
<td>1.25</td>
</tr>
<tr>
<td>1/4 NPT</td>
<td>Knob</td>
<td>1/4&quot; Tube</td>
<td>PV4-B</td>
<td>-</td>
<td>PC4-B</td>
<td>-</td>
<td>1.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3/8&quot; Tube</td>
<td>PV4-C</td>
<td>-</td>
<td>PC4-C</td>
<td>-</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Screwdriver</td>
<td>1/4 NPT Tap</td>
<td>PV4-K</td>
<td>-</td>
<td>PC4-K</td>
<td>-</td>
<td>1.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1/4&quot; Tube</td>
<td>PV4-L</td>
<td>-</td>
<td>PC4-L</td>
<td>-</td>
<td>1.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3/8&quot; Tube</td>
<td>PV4-M</td>
<td>-</td>
<td>PC4-M</td>
<td>-</td>
<td>2.00</td>
</tr>
</tbody>
</table>

---

Specifications and prices subject to change without notice or incurring obligation.
Cylinder Accessories

Magnetic Position Sensors

Magnetically operated reed switches and electronic sensors can be mounted anywhere along the length and circumference of the cylinder. A magnetic piston is required and is standard on Magnetic Interchange cylinders. Specify Magnetic Piston Option “–03” for other F-Series models or “–12” for 3-position models.

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>Electrical Characteristics</th>
<th>Prewired 9 ft. Leadwire</th>
<th>Quick Disconnect*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reed (No LED)</td>
<td>0-120 VDC/VAC, 0.5 Amp Max current, 5 Watt Max, 0 Voltage Drop</td>
<td>949-000-001</td>
<td>949-000-301</td>
</tr>
<tr>
<td>Reed (LED)</td>
<td>5-120 VDC/VAC, 0.03 Amp Max current, 4 Watt Max, 2.0 Voltage Drop</td>
<td>949-000-002</td>
<td>949-000-302</td>
</tr>
<tr>
<td>Electronic (LED)</td>
<td>Sourcing PNP 5-28 VDC, 0.20 Amp Max current, 1.0 Voltage Drop</td>
<td>949-000-031</td>
<td>949-000-331</td>
</tr>
<tr>
<td>Electronic (LED)</td>
<td>Sinking NPN 5-28 VDC, 0.20 Amp Max current, 1.0 Voltage Drop</td>
<td>949-000-032</td>
<td>949-000-332</td>
</tr>
</tbody>
</table>

*Note: Quick disconnect styles are supplied with 6 inch pigtail with male connector. Order female cordsets separately from chart below.

- Encased in a plastic housing, dovetail style sensors are corrosion resistant. 60" wire outlet allows close mounting.
- Two methods of mounting are available: one is fastened to the cylinder barrel with a band clamp (not included with sensor – must be ordered separately); the second is an adhesive-backed mounting rail with twin dovetail slots.

Mounting Options

- Band Clamp Adapter for Dovetail Sensors
  (Must be ordered separately)
  Part No. 900-300-000

- Dovetail Rail as shown above
  (must be ordered separately).
  Order by Part No. “ER – length”
  where the length is known, or by
  “ER – cylinder model no.”
  Example: “ER-F-1062D02-04A-03”
  Model no. of cylinder allows factory
to determine the length needed.
(Estimated length for pricing purposes
is “stroke + 1”)
Price: $3.10 + $1.10 per inch length
Supplied with double sided tape affixed.
Application recommendations:
  a) Clean cylinder body O.D. with acetone. Remove all oil from surface.
  b) Do not apply the rail over the crimped body edge.
  c) Double check positioning of the rail.
  d) High performance double sided tape offers convenient "peel and stick" but is very aggressive, giving you only one chance. Be careful!
  e) Remove protective film from tape and place rail in desired position.
  f) Firmly press the rail to cylinder body.

Alternatively, the extruded aluminum rail can be fastened using Loctite® U-05FL urethane adhesive or similar. Follow product manufacturer’s recommendations for application.

- Clamp on Style Sensors

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>Electrical Characteristics</th>
<th>Prewired 9 ft. Leadwire</th>
<th>Quick Disconnect*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reed (LED)</td>
<td>5-120 VAC/VDC, 0.5 Amp Max, 10 Watt Max, SPST N.O. 3.5 voltage drop</td>
<td>9-2A197-1003</td>
<td>9-2A197-1303</td>
</tr>
<tr>
<td>Electronic (LED)</td>
<td>Sourcing, PNP, 6-24 VDC, 0.5 Amp Max, 1.0 voltage drop</td>
<td>9-2A197-1031</td>
<td>9-2A197-1331</td>
</tr>
<tr>
<td>Electronic (LED)</td>
<td>Sinking, NPN, 6-24 VDC, 0.5 Amp Max, 1.0 voltage drop</td>
<td>9-2A197-1032</td>
<td>9-2A197-1332</td>
</tr>
</tbody>
</table>

- Band Clamp Adapter for Clamp On Sensors
  (must be ordered separately)
  Part No. 800-A00-000

- Female Cordsets for Quick Disconnect Sensors

<table>
<thead>
<tr>
<th>Cordset Length</th>
<th>Part No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Meter</td>
<td>CFC-1M</td>
<td>-</td>
</tr>
<tr>
<td>2 Meters</td>
<td>CFC-2M</td>
<td>-</td>
</tr>
<tr>
<td>5 Meters</td>
<td>CFC-5M</td>
<td>-</td>
</tr>
</tbody>
</table>

Pricing effective September 1, 2011

Dovetail Style Sensors

Prewired style sensors are supplied with a 9 foot leadwire.

*Quick disconnect style sensors are supplied with male connector as shown in this photo. Order female cordsets separately from the chart below.

Temperature range: 4° to +176°F (-20° to +80°C)

Specifications and prices subject to change without notice or incurring obligation.

9-20-18
### Nose Mounting Brackets

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>.38</td>
<td>.063</td>
<td>.25</td>
<td>.38</td>
<td>.14</td>
<td>.13</td>
<td>.438</td>
<td>.251</td>
<td>.31</td>
<td>.75</td>
<td>F-M17001</td>
<td>-</td>
</tr>
<tr>
<td>1.00</td>
<td>.38</td>
<td>.063</td>
<td>.25</td>
<td>.38</td>
<td>.14</td>
<td>.13</td>
<td>.438</td>
<td>.251</td>
<td>.31</td>
<td>.75</td>
<td>F-M17002</td>
<td>-</td>
</tr>
<tr>
<td>1.38</td>
<td>.50</td>
<td>.094</td>
<td>.38</td>
<td>.69</td>
<td>.20</td>
<td>.13</td>
<td>.563</td>
<td>.438</td>
<td>.36</td>
<td>.83</td>
<td>F-M17003</td>
<td>-</td>
</tr>
<tr>
<td>1.38</td>
<td>.50</td>
<td>.063</td>
<td>.31</td>
<td>.63</td>
<td>.20</td>
<td>.13</td>
<td>.563</td>
<td>.376</td>
<td>.31</td>
<td>.88</td>
<td>F-M17004</td>
<td>-</td>
</tr>
<tr>
<td>1.88</td>
<td>.75</td>
<td>.125</td>
<td>.56</td>
<td>1.00</td>
<td>.26</td>
<td>.25</td>
<td>.813</td>
<td>.626</td>
<td>.56</td>
<td>1.38</td>
<td>F-M17005</td>
<td>-</td>
</tr>
<tr>
<td>1.63</td>
<td>.63</td>
<td>.094</td>
<td>.44</td>
<td>.75</td>
<td>.20</td>
<td>.19</td>
<td>.688</td>
<td>.501</td>
<td>.41</td>
<td>1.09</td>
<td>F-M17006</td>
<td>-</td>
</tr>
<tr>
<td>2.50</td>
<td>.94</td>
<td>.125</td>
<td>.75</td>
<td>1.50</td>
<td>.28</td>
<td>.63</td>
<td>1.000</td>
<td>.751</td>
<td>.75</td>
<td>1.75</td>
<td>F-M17007</td>
<td>-</td>
</tr>
<tr>
<td>3.00</td>
<td>1.13</td>
<td>.188</td>
<td>.88</td>
<td>1.50</td>
<td>.34</td>
<td>.75</td>
<td>1.250</td>
<td>1.032</td>
<td>.91</td>
<td>2.13</td>
<td>F-M17008</td>
<td>-</td>
</tr>
<tr>
<td>3.13</td>
<td>1.13</td>
<td>.250</td>
<td>1.00</td>
<td>1.63</td>
<td>.34</td>
<td>.63</td>
<td>1.500</td>
<td>1.376</td>
<td>1.00</td>
<td>2.50</td>
<td>F-M17009</td>
<td>-</td>
</tr>
<tr>
<td>3.75</td>
<td>1.44</td>
<td>.250</td>
<td>1.00</td>
<td>1.63</td>
<td>.34</td>
<td>.75</td>
<td>1.750</td>
<td>1.501</td>
<td>1.25</td>
<td>3.00</td>
<td>F-M17010</td>
<td>-</td>
</tr>
<tr>
<td>4.38</td>
<td>1.75</td>
<td>.250</td>
<td>1.00</td>
<td>1.63</td>
<td>.34</td>
<td>.89</td>
<td>1.890</td>
<td>1.626</td>
<td>1.25</td>
<td>3.14</td>
<td>F-M17011</td>
<td>-</td>
</tr>
<tr>
<td>2.75</td>
<td>1.06</td>
<td>.188</td>
<td>.81</td>
<td>1.44</td>
<td>.34</td>
<td>.38</td>
<td>1.250</td>
<td>1.126</td>
<td>.91</td>
<td>2.19</td>
<td>F-M17012</td>
<td>-</td>
</tr>
<tr>
<td>2.13</td>
<td>.78</td>
<td>.157</td>
<td>.66</td>
<td>1.16</td>
<td>.28</td>
<td>.32</td>
<td>1.000</td>
<td>.876</td>
<td>.75</td>
<td>1.75</td>
<td>F-M17013</td>
<td>-</td>
</tr>
</tbody>
</table>

### Pivot Mounting Brackets

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>L</th>
<th>M</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.77</td>
<td>.50</td>
<td>.75</td>
<td>.157</td>
<td>.20</td>
<td>.56</td>
<td>.13</td>
<td>.50</td>
<td>.063</td>
<td>.28</td>
<td>.20</td>
<td>F-M29002</td>
<td>-</td>
</tr>
<tr>
<td>1.19</td>
<td>.81</td>
<td>1.13</td>
<td>.250</td>
<td>.31</td>
<td>.88</td>
<td>.19</td>
<td>.75</td>
<td>.125</td>
<td>.44</td>
<td>.26</td>
<td>F-M29003</td>
<td>-</td>
</tr>
<tr>
<td>1.75</td>
<td>1.00</td>
<td>1.50</td>
<td>.375</td>
<td>.38</td>
<td>1.38</td>
<td>.25</td>
<td>1.00</td>
<td>.125</td>
<td>.63</td>
<td>.26</td>
<td>F-M29004</td>
<td>-</td>
</tr>
<tr>
<td>1.75</td>
<td>1.13</td>
<td>1.50</td>
<td>.500</td>
<td>.38</td>
<td>1.38</td>
<td>.25</td>
<td>1.00</td>
<td>.250</td>
<td>.69</td>
<td>.26</td>
<td>F-M29006</td>
<td>-</td>
</tr>
</tbody>
</table>

### Rod Clevises

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.31</td>
<td>.56</td>
<td>.53</td>
<td>.125</td>
<td>.13</td>
<td>.31</td>
<td>.38</td>
<td>.44</td>
<td>#5-40</td>
<td>-</td>
<td>F-M127001</td>
<td>-</td>
</tr>
<tr>
<td>.38</td>
<td>.94</td>
<td>.56</td>
<td>.168</td>
<td>.19</td>
<td>.38</td>
<td>.56</td>
<td>.75</td>
<td>#10-32</td>
<td>-</td>
<td>F-M127002</td>
<td>-</td>
</tr>
<tr>
<td>.50</td>
<td>1.19</td>
<td>.68</td>
<td>.250</td>
<td>.25</td>
<td>.50</td>
<td>.68</td>
<td>.94</td>
<td>1/4-28</td>
<td>-</td>
<td>F-M127003</td>
<td>-</td>
</tr>
<tr>
<td>.50</td>
<td>1.19</td>
<td>.68</td>
<td>.250</td>
<td>.25</td>
<td>.50</td>
<td>.68</td>
<td>.94</td>
<td>5/16-24</td>
<td>-</td>
<td>F-M127004</td>
<td>-</td>
</tr>
<tr>
<td>.75</td>
<td>1.69</td>
<td>1.03</td>
<td>.375</td>
<td>.38</td>
<td>.75</td>
<td>.94</td>
<td>1.31</td>
<td>7/16-20</td>
<td>-</td>
<td>F-M127005</td>
<td>-</td>
</tr>
<tr>
<td>.75</td>
<td>1.69</td>
<td>1.03</td>
<td>.375</td>
<td>.38</td>
<td>.75</td>
<td>.94</td>
<td>1.31</td>
<td>1/2-20</td>
<td>-</td>
<td>F-M127006</td>
<td>-</td>
</tr>
<tr>
<td>1.00</td>
<td>2.75</td>
<td>1.28</td>
<td>.500</td>
<td>.50</td>
<td>1.00</td>
<td>1.50</td>
<td>2.25</td>
<td>5/8-18</td>
<td>-</td>
<td>F-M127007</td>
<td>-</td>
</tr>
</tbody>
</table>

### Mounting Nuts & Rod Thread Nuts

<table>
<thead>
<tr>
<th>Part #</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-M18-004</td>
<td>.500</td>
<td>5/16-24</td>
<td>.19</td>
<td>-</td>
</tr>
<tr>
<td>F-M190001</td>
<td>.438</td>
<td>1/4-28</td>
<td>.16</td>
<td>-</td>
</tr>
<tr>
<td>F-M190002</td>
<td>.562</td>
<td>3/8-24</td>
<td>.22</td>
<td>-</td>
</tr>
<tr>
<td>F-M190003</td>
<td>.687</td>
<td>7/16-20</td>
<td>.25</td>
<td>-</td>
</tr>
<tr>
<td>F-M190004</td>
<td>.750</td>
<td>1/2-20</td>
<td>.31</td>
<td>-</td>
</tr>
<tr>
<td>F-M190005</td>
<td>.938</td>
<td>5/8-18</td>
<td>.38</td>
<td>-</td>
</tr>
<tr>
<td>F-M190006</td>
<td>1.125</td>
<td>3/4-16</td>
<td>.42</td>
<td>-</td>
</tr>
<tr>
<td>F-M190007</td>
<td>1.312</td>
<td>7/8-14</td>
<td>.48</td>
<td>-</td>
</tr>
</tbody>
</table>

Please visit http://portal.fabco-air.com/configure.php for current pricing. Specifications and prices subject to change without notice or incurring obligation.