

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Original Line Cylinders

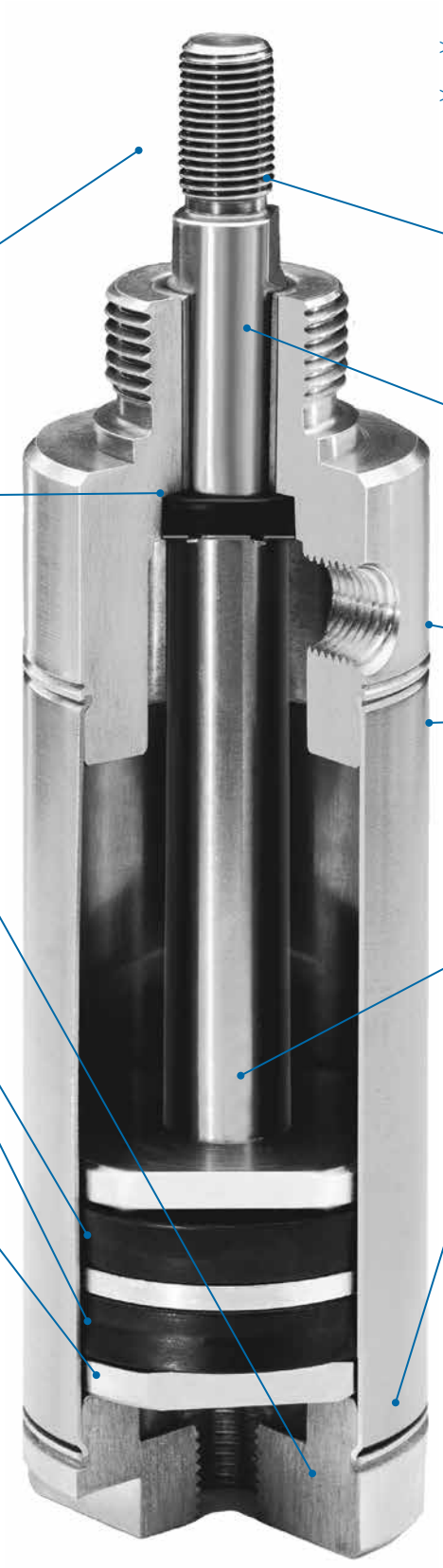
Bimba's classic "Blue and Improved" Original Line® continues to set the standard for non-repairable air cylinders. This product line features an incredible variety of standard models, including three-position, MRS, non-rotating, and PC air cylinders. Design enhancements to this line, including permanent grease lubrication, have more than doubled the anticipated service life of this industry-leading, non-repairable family of air cylinders.



Product Features

Working with bimba gives you:

> The Original stainless steel body cylinder company — with more sizes and options than any other manufacturer.
> Fast service — many models and sizes kept in stock for immediate delivery.
> Worldwide availability through local stocking distributors
> Custom-design capabilities for your specific needs.



Rod threads roll-formed for high strength

Piston rod — high strength carbon or Type 303 stainless steel

Low friction Buna N "U" cup rod seal (optional) High or Low temperature options)

Oil-impregnated rod guide bushing (except 5/16", 7/16" and 9/16" single acting)

High strength aluminum alloy porting ends

Double rolled-in construction

Type 304 stainless steel body

Low friction Buna N "U" cup piston seals (optional High Temperature option or Low temperature seals)

Piston rod threaded, sealed and riveted

High-strength aluminum alloy piston

Features and Benefits:

> 304 stainless steel body with mirror finish ID For long, reliable life.
> Pre-lubricated with semi-synthetic grease, no additional lubrication is required.
> Piston-to-rod connection is threaded, sealed and riveted securely in place.
> Low breakaway frictional characteristics: collapsible U-cup rod and piston seals; oil-impregnated, sintered bronze rod bushing on most sizes; and breakaway slots on each endcap for fast seal inflation.

> Roll-formed rod threads on both ends for high strength
> 250 psi rating
> High strength aluminum alloy porting ends, machined for minimal breakaway during initial pressurization

5/16" Bore Air Cylinders

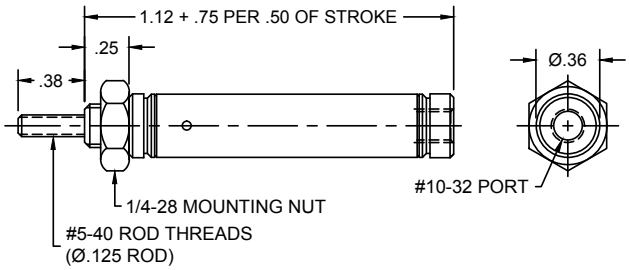
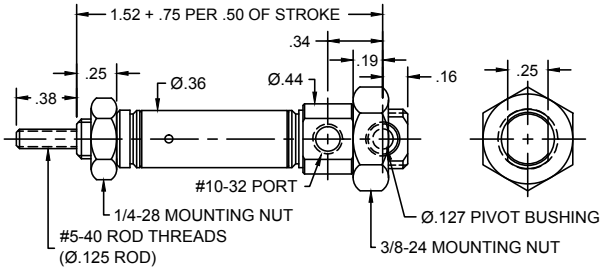
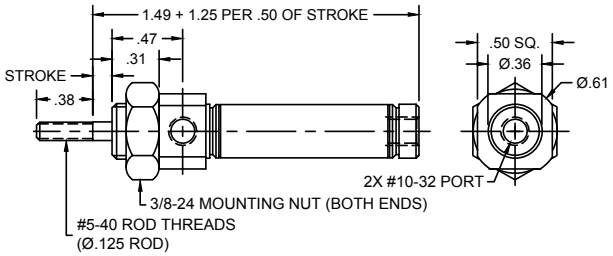
> Ground and Roller Burnished 303 Stainless Steel Piston Rod Standard
> Force Exerted Approximately 0.07 of Air Line Pressure
> Enclosed Spring Force: .5lb Relaxed — 1lb Compressed
> Cushion Quiet Bumpers Standard on All Models

Options:

See also: Option Combination Availability Chart (page 54)

> **Ports rotated (K)***
> **No thread (NT)**
» *Rod guide port rotated 90° clockwise in BF model.
> **Side Ported Rear Head (Q)**
» Add .20" to nose mount overall length
> **Extra Extension (EE)**
> **Double Acting Failsafe**
» JS = Spring Return, JR = Spring Extend
» See pages 55-56 for overall length adders
> **Low Temperature (N)**
» Temperature Range: -40° to 200° F
> **High Temperature "U" Cups (V)**
» Overall length does not change
» Temperature Range: 0° to 400° F (-18° to 205°C)
> **Rod Wiper (W)**
» Not available in standard single acting
> **Magnetic Position Sensing (M)**
» Add .15" to overall length
» Must specify track(s) for use with Bimba's miniature position sensing (T2, T3, T4). See page 57 for track location details. See Switch Products for switch selection information.
> **Low Pressure Hydraulic (HL)**
» 250 psi maximum
» Double acting models only
» Option specified as a prefix

☐ Enter Stroke Length as 4th Digit

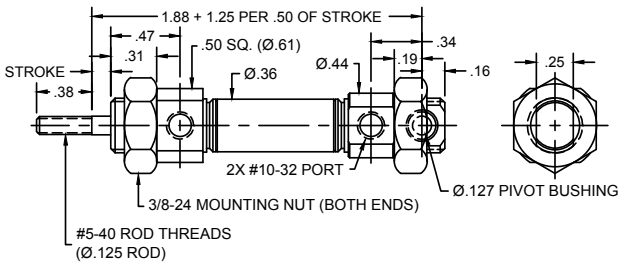
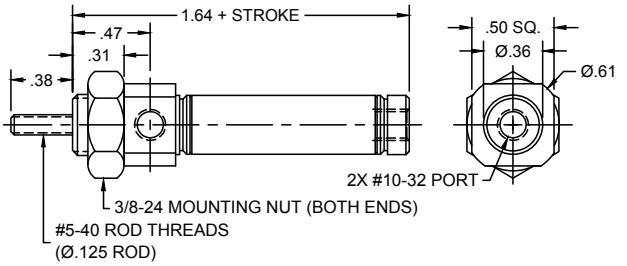
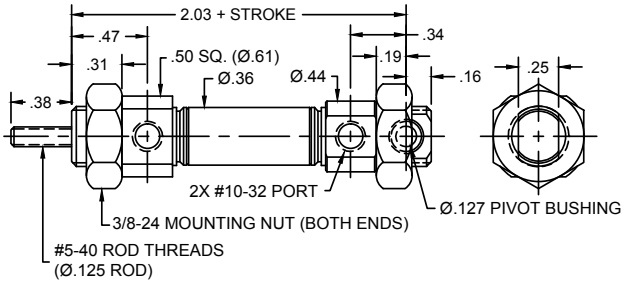
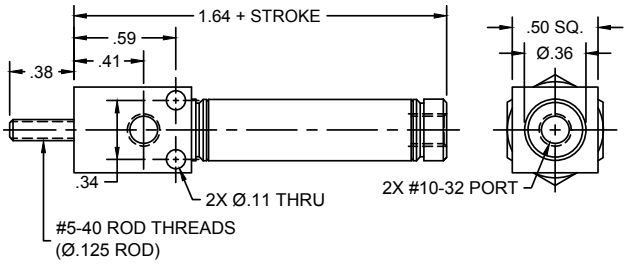
Model	Description/Weight (lbs)	Dimensions
007 ☐ 	Single Acting – Spring Return – Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 4" Stainless Steel Rod Standard Optional Accessory: D-26731 Mounting Bracket Base Weight: .03 Adder Per Inch of Stroke: .02	 See page 12 for length calculation of fractional stroke for single acting cylinders.
007 ☐ -XP 	Single Acting – Spring Return – Double End or Rear Pivot Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 4" Stainless Steel Rod Standard Optional Accessories: D-26731 Mounting Bracket D-26689 Pivot Bracket D-26690 Piston Rod Clevis Base Weight: .04 Adder Per Inch of Stroke: .02	 See page 12 for length calculation of fractional stroke for single acting cylinders.
007 ☐ -R 	Reverse Single Acting – Pull Type – Rod Normally Extended – Spring Return — Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3" Maximum Stroke – 4" Stainless Steel Rod Standard Optional Accessory: D-26765 Mounting Bracket Base Weight: .05 Adder Per Inch of Stroke: .03	 See page 12 for length calculation of fractional stroke for single acting cylinders.

How to Specify

5/16" Bore Air Cylinders

> Ground and Roller Burnished 303 Stainless Steel Piston Rod Standard
> Force Exerted Approximately 0.07 of Air Line Pressure
> Enclosed Spring Force: .5 lb. Relaxed — 1 lb. Compressed
> Cushion Quiet Bumpers Standard on All Models

☐ Enter Stroke Length as 4th Digit

Model	Description/Weight (lbs)	Dimensions
007 ☐ -RP 	Reverse Single Acting – Pivot and Pull Type – Rod Normally Extended – Spring Return – Rear Pivot Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3" Maximum Stroke – 4" Stainless Steel Rod Standard Optional Accessories: D-26765 Mounting Bracket D-26689 Pivot Bracket D-26690 Piston Rod Clevis Base Weight: .05 Adder Per Inch of Stroke: .03	 See page 12 for length calculation of fractional stroke for single acting cylinders.
007 ☐ -D 	Double Acting – Air Return – Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 4" Stainless Steel Rod Standard Optional Accessory: D-26765 Mounting Bracket Base Weight: .05 Adder Per Inch of Stroke: .01	
007 ☐ -DXP 	Double Acting – Air Return – Double End or Rear Pivot Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 4" Stainless Steel Rod Standard Optional Accessories: D-26765 Mounting Bracket D-26689 Pivot Bracket D-26690 Piston Rod Clevis Base Weight: .06 Adder Per Inch of Stroke: .01	
BF-007 ☐ -D 	Double Acting – Front Block Mounting – Air Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 4" Stainless Steel Rod Standard Base Weight: .05 Adder Per Inch of Stroke: .01	

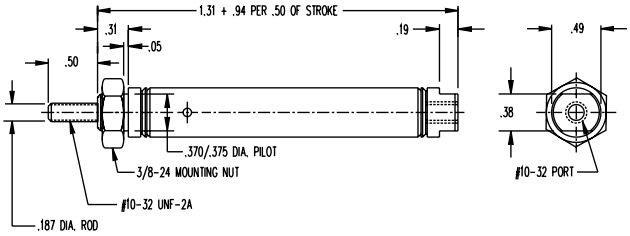
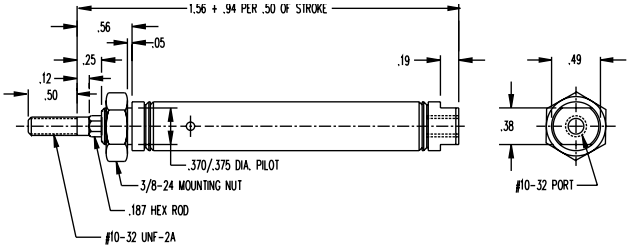
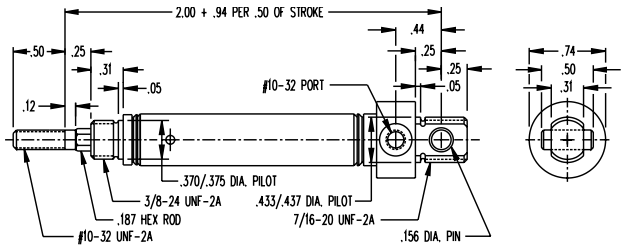
7/16" Bore Air Cylinders

> Ground and Roller Burnished 303 Stainless Steel Piston Rod Standard
> Force Exerted Approximately 0.15 of Air Line Pressure
> Enclosed Spring Force: 1lb Relaxed — 2lbs Compressed

Options:

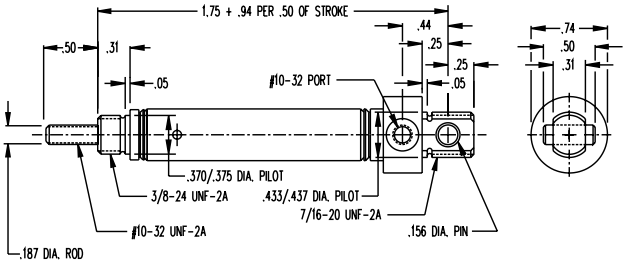
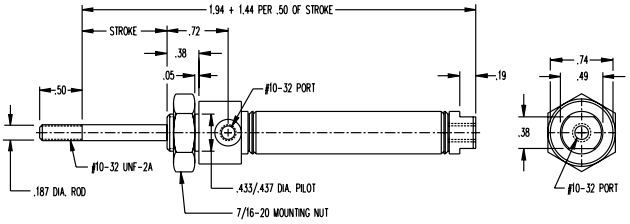
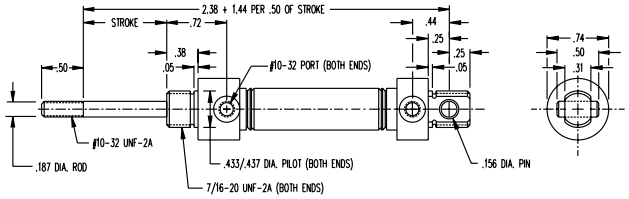
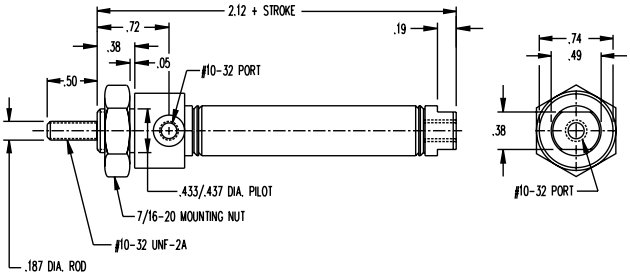
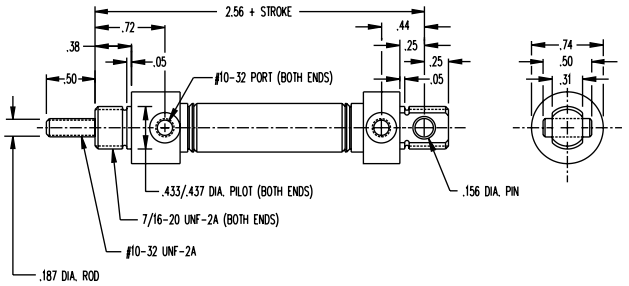
> **Ports Rotated (K) (Not available in block mount)**
> **No Thread (NT)**
> **Side Ported Rear Head (Q)**
» Add .19" to nose mount overall length
> **Pivot Bushing (Y)**
» .157" ID (Use bracket D-12321-A)
> **Single And Reverse Acting Bumper (B)**
» Add .062 to overall length; Reverse acting, add .125
> **Double Acting Bumper (B)**
» Add .188 to overall length – DXDE; add .250
> **Extra Extension (EE)**
» Single, reverse and double acting
» DXDE, extension added to each end
> **Double Acting Failsafe**
» (JS = Spring Return, JR = Spring Extend)
» See pages 55-56 for overall length adders
> **Low Temperature (N)**
» Temperature Range: -40° to 200°F
> **High Temperature "U" Cups (V)**
» Temperature Range: 0° to 400°F (-18° to 205°C)
> **Magnet (prefix M)**
» Add 0.25" to Double Acting overall length
» Add 0.20" to Single Acting overall length
» Must specify track(s) for use with miniature position sensing (T2, T3, T4). See page 57 for track location details. See Switch Products for switch selection information.
> **Rod Wiper (W)**
» Not available in standard single acting
> **Low Pressure Hydraulic (HL)**
» 250 psi maximum
» Double acting models only
» Option specified as a prefix

☐ Enter Stroke Length as 3rd Digit

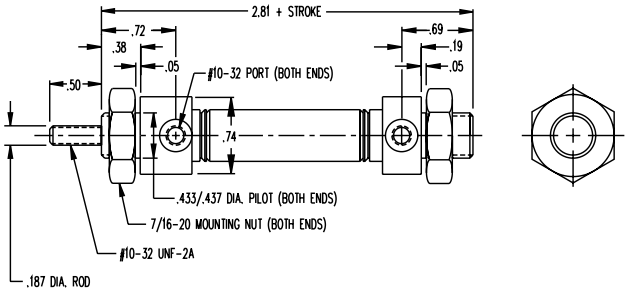
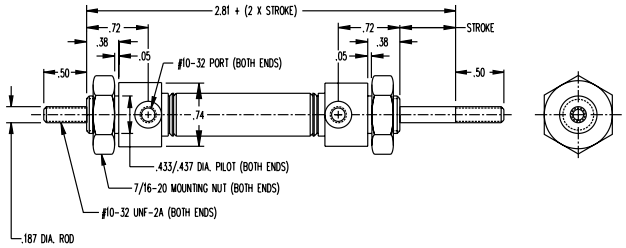
Model	Description/Weight (lbs)	Dimensions
01 ☐ 	Single Acting – Spring Return – Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessory: D-775 Mounting Bracket Base Weight: .04 Adder Per Inch of Stroke: .04	 See page 12 for length calculation of fractional stroke for single acting cylinders.
01 ☐ -NR 	Single Acting – Non-rotating – Hexagon Rod – Spring Return – Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessory: D-775 Mounting Bracket Base Weight: .04 Adder Per Inch of Stroke: .04	 See page 12 for length calculation of fractional stroke for single acting cylinders.
01 ☐ -NRP 	Single Acting – Non-rotating Hexagon Rod – Pivot Type – Spring Return – Rear Pivot Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessories: D-850 Rod Clevis D-780 Pivot Brackets Base Weight: .04 Adder Per Inch of Stroke: .04	 See page 12 for length calculation of fractional stroke for single acting cylinders.

7/16” Bore Air Cylinders

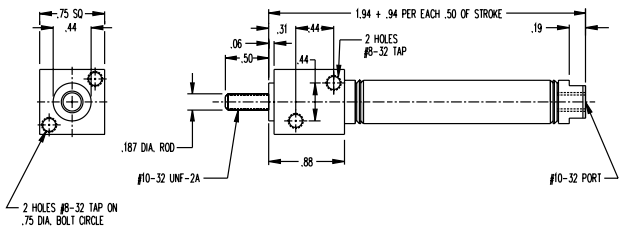
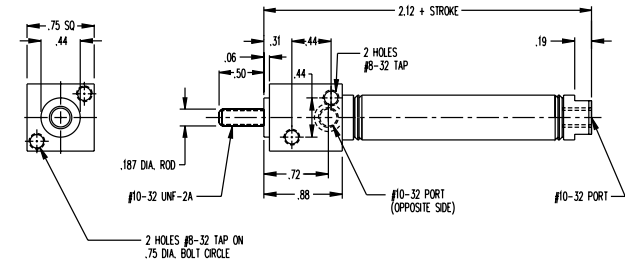
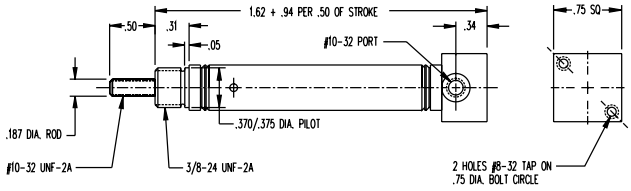
☐ Enter Stroke Length as 3rd Digit

Model	Description/Weight (lbs)	Dimensions
01 ☐ -P 	Single Acting – Pivot Type – Spring Return – Rear Pivot Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessories: D-780 Pivot Brackets D-850 Piston Rod Clevis Base Weight: .04 Adder Per Inch of Stroke: .04	 See page 12 for length calculation of fractional stroke for single acting cylinders.
01 ☐ -R 	Reverse Single Acting – Pull Type– Rod Normally Extended – Spring Return – Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessory: D-770 Mounting Bracket Base Weight: .08 Adder Per Inch of Stroke: .03	 See page 12 for length calculation of fractional stroke for single acting cylinders.
01 ☐ -RP 	Reverse Single Acting – Pivot and Pull Type – Rod Normally Extended – Spring Return – Rear Pivot Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessories: D-780 Pivot Brackets D-850 Piston Rod Clevis Base Weight: .08 Adder Per Inch of Stroke: .03	 See page 12 for length calculation of fractional stroke for single acting cylinders.
01 ☐ -D 	Double Acting – Air Return – Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 12" Stainless Steel Rod Standard Optional Accessory: D-770 Mounting Bracket Base Weight: .07 Adder Per Inch of Stroke: .02	
01 ☐ -DP 	Double Acting – Pivot Type – Air Return – Rear Pivot Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 12" Stainless Steel Rod Standard Optional Accessories: D-780 Pivot Brackets D-850 Piston Rod Clevis Base Weight: .08 Adder Per Inch of Stroke: .02	

7/16” Bore Air Cylinders

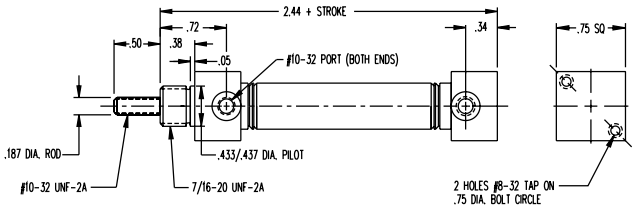
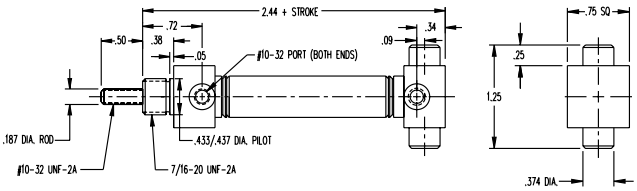
Model	Description/Weight (lbs)	Dimensions
01 ☐ -DX 	Double Acting – Double End Mount – Air Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 12" Stainless Steel Rod Standard Optional Accessory: D-770 Mounting Bracket Base Weight: .11 Adder Per Inch of Stroke: .02	
01 ☐ -DXDE 	Double Acting – Double End Rod – Air Return – Double End Mount Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessory: D-770 Mounting Bracket Base Weight: .14 Adder Per Inch of Stroke: .03	

7/16" Bore Block Mounted Air Cylinders

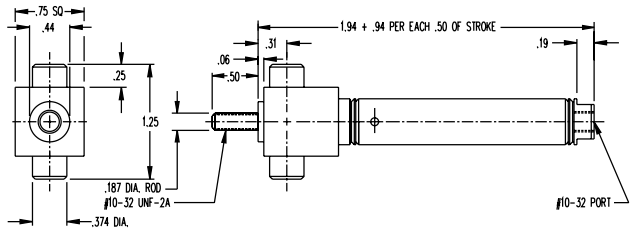
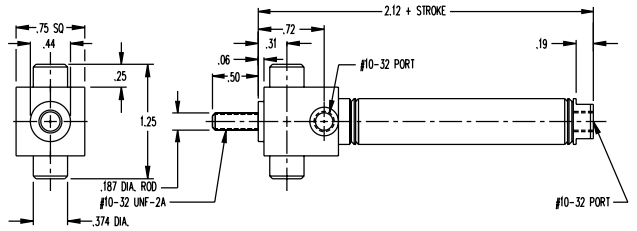
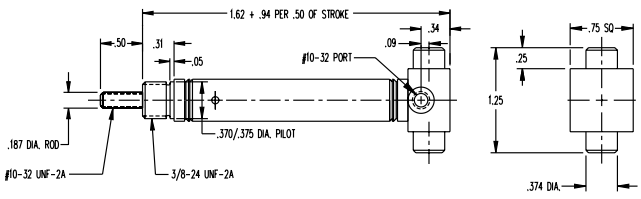
Model	Description/Weight (lbs)	Dimensions
BF-01 ☐ 	Single Acting – Front Block Mounting – Spring Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Base Weight: .07 Adder Per Inch of Stroke: .04	 See page 12 for length calculation of fractional stroke for single acting cylinders.
BF-01 ☐ -D 	Double Acting – Front Block Mounting – Air Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 12" Stainless Steel Rod Standard Base Weight: .07 Adder Per Inch of Stroke: .02	
BR-01 ☐ 	Single Acting – Rear Block Mounting for Vertical Positioning – Spring Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Base Weight: .05 Adder Per Inch of Stroke: .04	

How to Specify

7/16" Bore Block Mounted Air Cylinders

Model	Description/Weight (lbs)	Dimensions
BR-01 ☐ -D 	Double Acting – Rear Block Mounting for Vertical Positioning – Air Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 12" Stainless Steel Rod Standard Base Weight: .08 Adder Per Inch of Stroke: .02	
BRT-01 ☐ -D 	Double Acting – Rear Block Trunnion Mounting – Air Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 12" Stainless Steel Rod Standard Optional Accessories: TRB-1 Trunnion Brackets D-850 Rod Clevis Base Weight: .10 Adder Per Inch of Stroke: .02	

7/16" Bore Trunnion Mounted Air Cylinders

Model	Description/Weight (lbs)	Dimensions
BFT-01 ☐ 	Single Acting – Front Block Trunnion Mounting – Spring Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessories: TRB-1 Trunnion Brackets D-850 Rod Clevis Base Weight: .09 Adder Per Inch of Stroke: .04	 See page 12 for length calculation of fractional stroke for single acting cylinders.
BFT-01 ☐ -D 	Double Acting – Front Block Trunnion Mounting – Air Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 12" Stainless Steel Rod Standard Optional Accessories: TRB-1 Trunnion Brackets D-850 Rod Clevis Base Weight: .09 Adder Per Inch of Stroke: .02	
BRT-01 ☐ 	Single Acting – Rear Block Trunnion Mounting – Spring Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessories: TRB-1 Trunnion Brackets D-850 Rod Clevis Base Weight: .07 Adder Per Inch of Stroke: .04	

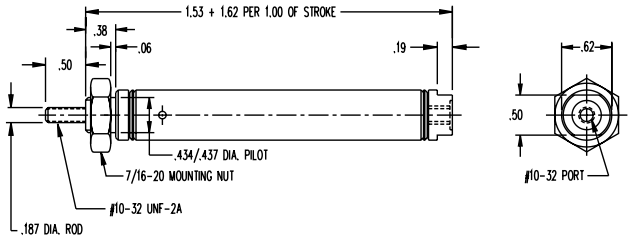
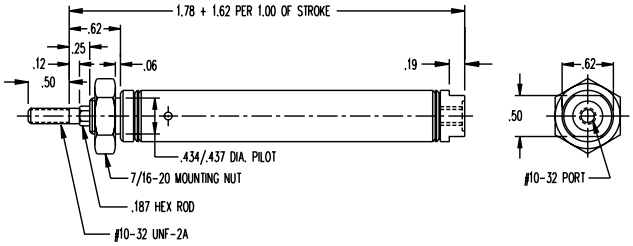
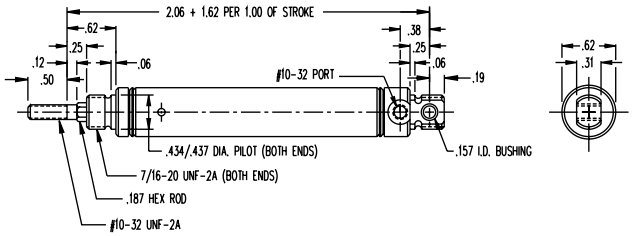
9/16" Bore Air Cylinders

> Ground and Roller Burnished 303 Stainless Steel Piston Rod Standard
> Force Exerted Approximately 0.25 of Air Line Pressure
> Enclosed Spring Force: 2lbs Relaxed — 4lbs Compressed

Options:

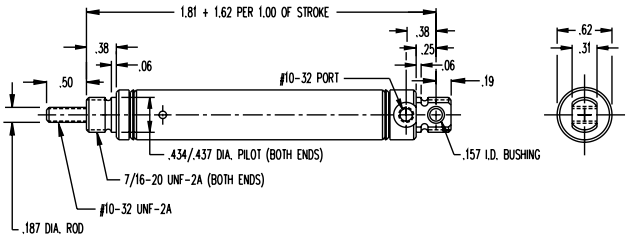
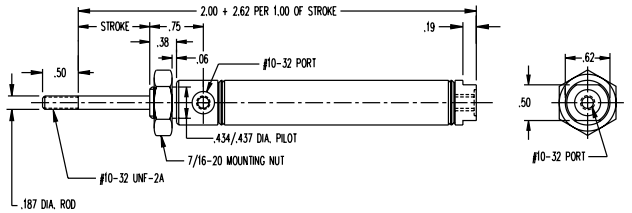
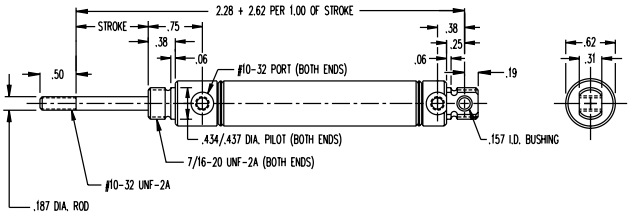
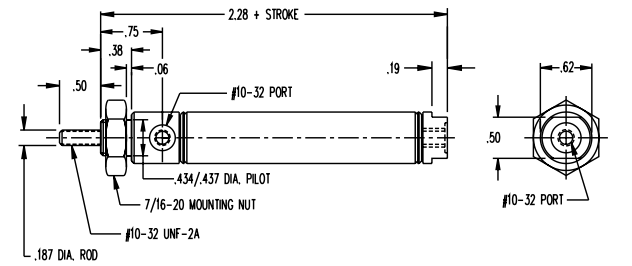
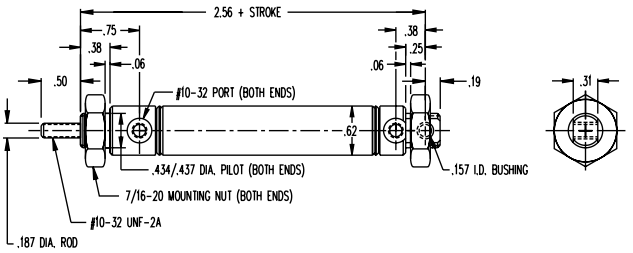
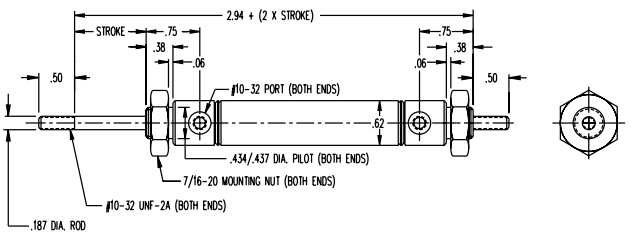
> **Ports Rotated (K) (Not available in block mount)**
> **No Thread (NT)**
> **Side Ported Rear Head (Q)**
» Add .03" to nose mount overall length
> **Single And Reverse Acting Bumper (B)**
» Add .062 to overall length
> **Double Acting Bumpers (B)**
» Add .125 to overall length
> **Extra Extension (EE)**
> **Double Acting Failsafe**
» (JS = Spring Return, JR = Spring Extend)
» See pages 55-56 for overall length adders
> **Magnet (prefix M)**
» Single and reverse acting add .125" to overall length
» Must specify track(s) for use with miniature position sensing (T2, T3, T4). See page 57 for track location details. See the Switch Products chapter for switch selection information.
> **Low Temperature (N)**
» Temperature Range: -40° to 200°F
> **High Temperature "U" Cups (V)**
» Temperature Range: 0° to 400°F (-18° to 205°C)
> **Rod Wiper (W)**
» Not available in standard single acting

☐ Enter Stroke Length as 3rd Digit

Model	Description/Weight (lbs)	Dimensions
02 ☐ 	Single Acting – Spring Return – Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessory: D-770 Mounting Bracket Base Weight: .06 Adder Per Inch of Stroke: .05	 See page 12 for length calculation of fractional stroke for single acting cylinders.
02 ☐ -NR 	Single Acting – Non-rotating Hexagon Rod – Spring Return – Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessory: D-770 Mounting Bracket Base Weight: .06 Adder Per Inch of Stroke: .05	 See page 12 for length calculation of fractional stroke for single acting cylinders.
02 ☐ -NRP 	Single Acting – Non-rotating Hexagon Rod – Pivot Type – Spring Return – Rear Pivot Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessories: D-850 Rod Clevis D-12321-A Pivot Bracket Base Weight: .06 Adder Per Inch of Stroke: .05	 See page 12 for length calculation of fractional stroke for single acting cylinders.

How to Specify

9/16" Bore Air Cylinders

Model	Description/Weight (lbs)	Dimensions
02 ☐ -P 	Single Acting – Pivot Type –Spring Return – Rear Pivot Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessories: D-850 Rod Clevis D-12321-A Pivot Bracket Base Weight: .06 Adder Per Inch of Stroke: .05	 See page 12 for length calculation of fractional stroke for single acting cylinders.
02 ☐ -R 	Reverse Single Acting – Pull Type – Rod Normally Extended – Spring Return – Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessory: D-770 Mounting Bracket Base Weight: .08 Adder Per Inch of Stroke: .04	 See page 12 for length calculation of fractional stroke for single acting cylinders.
02 ☐ -RP 	Reverse Single Acting – Pivot and Pull Type – Rod Normally Extended – Spring Return – Rear Pivot Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessories: D-850 Rod Clevis D-12321-A Pivot Bracket Base Weight: .08 Adder Per Inch of Stroke: .04	 See page 12 for length calculation of fractional stroke for single acting cylinders.
02 ☐ -D 	Double Acting – Air Return – Front Nose Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 12" Stainless Steel Rod Standard Optional Accessory: D-770 Mounting Bracket Base Weight: .09 Adder Per Inch of Stroke: .02	 See page 12 for length calculation of fractional stroke for single acting cylinders.
02 ☐ -DXP 	Double Acting – Double End or Rear Pivot Mounting – Air Return Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 12" Stainless Steel Rod Standard Optional Accessories: D-770 Mounting Bracket D-850 Rod Clevis D-12321-A Pivot Bracket Base Weight: .09 Adder Per Inch of Stroke: .02	
02 ☐ -DXDE 	Double Acting – Double End Rod – Air Return – Double End Mounting Standard Stroke Lengths: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4" Maximum Stroke – 6" Stainless Steel Rod Standard Optional Accessory: D-770 Mounting Bracket Base Weight: .16 Adder Per Inch of Stroke: .03	

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