248-583-9070

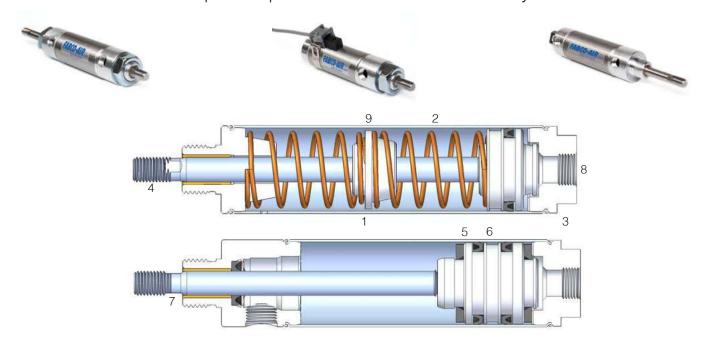
FABCO-AIR

H-Series Air Cylinders

HUMPHREY INTERCHANGE



outstanding design and construction...
superior performance and reliability



- 1. **Barrel** Stainless steel (Type 304). Drawn and polished I.D. provides ideal lube-holding, low friction surface. Matte finish on O.D. Barrel attached to heads by Fabco roll-forming process.
- 2. **Return Springs** High tensile strength music wire. Shotpeened...to relieve stresses for longer life.
- 3. **Heads** Aluminum. Internal face grooved for positive air flow to piston seals.
- 4. **Piston Rod** 303 Stainless Steel standard all models. Wrench flats, standard on most models, and chamfered for easy wrench contact without rod damage. Threads are roll formed for strength and durability.
- 5. **Piston** Unique Fabco Piston may be factory assembled in two different ways same overall dimensions with or without bumpers. Piston threads are Roll Formed for strength and durability.

- 6. **Seals** Buna N standard on all models. Fluorocarbon (Viton...Option F) available for high ambient temperatures, for extremely high cycling conditions with limited lubrication or mild chemical resistance (air supply contaminants and/ or lubricants). Seal design ensures constant contact with cylinder barrel eliminating seal collapse and blowby.
- 7. **Rod Bushing** Oil permeated bronze. Ball-sized to close tolerance... provides rod support and smooth, low friction rod movement for longer cylinder life.
- 8. **Pressure Ports** Full, unrestricted porting for maximum air flow...combines with groove in heads to provide fast cylinder response and smooth rod movement.
- 9. **Spacers** Spacers ensure a uniform spring rate and prohibit collapse of springs, providing maximum life.
- 10. **Accessories** (see page 18 & 19) Steel mounting nuts, mounting brackets, rod clevises, etc., are burnished and bright zinc plated.

FABCO-AIR cylinder selection guide

Air cylinders have an excellent ability to provide fast response and rapid movement from the energy of compressed air. Rapid indexing, stamping, punching, part location, etc., are ideally suited to air cylinders. Applications requiring extremely slow and smooth, or precise movement are more difficult to satisfy due to the compressibility of air. Consult Factory.

mounting

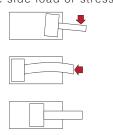


Mount to centerline of work to avoid side load on rod. Mount securely, without over-torquing mounting nuts. Check frequently for loose mountings. A secure mount, accurately placed, promotes cylinder performance and endurance. Side load on rod should be eliminated. Severe side load or stress

can cause rod breakage, excessive bushing wear, and scoring of piston/ barrel. Consider Option N (Wearstrip).

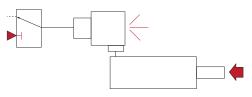
Reduce adverse effect of side load by attaching a universal rod eye to the piston rod. Also, consider utilizing only part of total stroke...keep piston "back" in barrel for greater column strength.

Avoid "bottoming-out" piston on cylinder heads at high pressures. Consider Option B (Bumper).



lubrication

All models are factory prelubricated for optimum life and performance. Periodically lubricate internally with a non-detergent mineral-base oil. Automatic air line lubricators are most commonly used. To solve lubrication problems due to lubricant backflow during control valve exhaust cycle, install a Fabco quick exhaust valve directly to the cylinder port. This stops backflow and allows progressive flow of oil to cylinder. Avoid using higher pressure than is actually required. Nominal air pressure provides optimum cylinder life, reduces use and cost of compressed air, and saves energy.



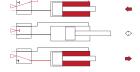
air cylinder application factors single acting types

spring return **→** spring extend

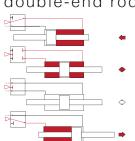
- Spring return (single acting): Air pressure produces force in one pushing direction only, causing rod to extend.
- Spring extend (single acting reverse): Air pressure produces force in one pulling direction only, causing rod to retract.
- Spring returns rod to normal position in one quick motion, determined by control valve's flow capacity and cylinder volume. Flow control (metering) of exhausting air during return stroke does not provide optimum smoothness of movement (consider Double Acting models for smoothest movement).
- Only one 3-way valve is required...less expensive than valving for double acting cylinders.
- Consider when compressed air supply is limited or must be conserved.
- Mount to insure that vent in side of barrel can breathe freely.

double acting types

double acting

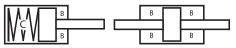


double-end rod



- Air pressure produces force in either pushing or pulling direction. Pushing force is greater than pulling force due to smaller effective piston area on rod side of piston.
- Flow control (metering) of exhausting air can be performed in either direction. Air exhausts from the cylinders port opposite the port being pressurized. For smoothest movement, meter the exhausting air. Metering of the incoming pressure may produce erratic, jumpy cylinder action.
- Closed system. No vent (breather hole) to consider; see Single Acting above. Consider, when cylinder must operate in dirty ambient conditions.
- Air pressure produces equal force in both pushing and pulling directions due to equal piston area. Pressurizing both sides locks cylinder position in any given point.
- Fixed mounting of both rod ends allows movement of barrel only... barrel moves back and forth and rods are stationary. Caution: Do not side load rod (barrel weight, alignment, etc.).
- One rod can be used to perform a work function while second rod:
 - Permits operation of limit switches away from work function.
 - Permits attachment of guiding methods to eliminate rod rotation (alternate to hex rod)
 - Provides additional support to guard against rod deflection.

specifications



FORCE (F) is determined by square inches of piston area (A), and pressure (P) in PSIG. $E-A \lor P$

VOLUME (V) in cubic inches is determined by square inches of piston area (A), and length of stroke (L). V=AxL.

SPEED is affected by many variables (including force to move load, cylinder volume, control valve flow capacity, length of supply lines, etc.) making precise calculations difficult.





For Compressed Air to 200 PSIG

Ambient Temperature: -40°F to 160°F ...as standard

Ambient Temperature: -20°F to 400°F with Fluoroelastomer seals



Model	I SIZE	Port	Rod Diameter		rea (in²) (in³/inch of stroke)	Spring Force in Pounds if Cyl. is:			
Code	I.D.	Size	or (HEX)	а	b (less rod)	c (normal)	c (actuated)		
8	1/2	10-32 UNF	.187 (.187)	.20	.17	1	2		
7	3/4	1/8 PIPE	.250 (.250)	.44	.39	1 1/2	5		
6	1 1/16	1/8 PIPE	.312 (.375)	.89	.81	4	8		
25	1 1/4	1/8 PIPE	.437 (N.A.)	1.23	1.08	7	14		
5	1 1/2	1/8 PIPE	.437 (.437)	1.77	1.62	6	12		
75	1 3/4	1/4 PIPE	.500 (N.A.)	2.41	2.21	12	24		
4	2	1/4 PIPE	.625 (N.A.)	3.14	2.84	15	30		
3	2 1/2	1/4 PIPE	.625 (N.A.)	4.91	4.60	N/A	N/A		

how to order

model code - type - stroke length options

A B C D

examples:

6-S-2

5-DP-4M

8-D-2-1/2B

В	A		C
	model codes / bore sizes availa	ble recommended	

		mod	del c	odes	/ bo	re si	zes a	avail	able							
type		8	7	6	25	5	75	4	3	maximum stroke	comments					
турс		1/2 in.	3/4 in.	1 1/16 in.	1 1/4 in.	1 1/2 in.	1 3/4 in.	2 in.	2 1/2 in.	ın.						
D	double acting nose mount	•	•	•	•	•	•	•	•	12	• Standard strokes are in 1" incre-					
DP	double acting pivot/double end mount	•	•	•	•	•	•	•	•	12	ments (1/2" for model code 8).					
D2EY	double acting double end rod	•	•	•	•	•	•	•	•	12	Fractional strokes also available.					
BFD	double acting block front mount	•	•	•		•				12	Consult factory. Stroke tolerance is					
S	single acting nose mount	•	•	•	•	•	•	•		6	1/32".					
SP	single acting pivot mount	•	•	•	•	•	•	•		6	• Longer than standard stroke lengths					
SH	single acting nose mount/HEX rod	•	•	•		•				6	are available. Consult factory.					
SHP	single acting pivot mount/HEX rod	•	•	•		•				6	When specifying longer than standard					
SR	single acting reverse/nose mount	•	•	•	•	•	•	•		4	stroke lengths, consider possible rod					
SRP	single acting reverse/pivot mount	•	•	•	•	•	•	•		4	deflection, adequate lubrication, high					
BFS	single acting block front mount	•	•	•		•				6	speed friction, etc. No warranty.					
BFSR	single acting reverse/block front mount	•	•	•		•				4	opoda monom, oto. No warranty.					

how to order options

									Ď						
		/													
							O	otions a	availab	le					
type	description	page	Α	В	F	J	K	L	М	N	Р	R	Т	W	U
D	double acting nose mount	6	•	•	•				•	•	•			•	
DP	double acting pivot/double-end mount	7		•	•	•	•	•	•	•	•	•	•	•	•
D2EY	double acting double end rod	8			•	•	•	•		•	•			•	
BFD	double acting block front mount	9		•	•				•	•	•			•	
S	single acting nose mount	10	•		•					•				•	
SP	single acting pivot mount	11			•					•		•	•	•	•
SH	single acting nose mount/HEX rod	12	•		•					•				•	
SHP	single acting pivot mount/HEX rod	13			•					•		•	•	•	•
SR	single acting reverse/nose mount	14			•					•	•			•	
SRP	single acting reverse/pivot mount	15			•					•	•	•	•	•	•
BFS	single acting block front mount	16			•					•				•	
RESR	single acting reverse/block front mount	17													T

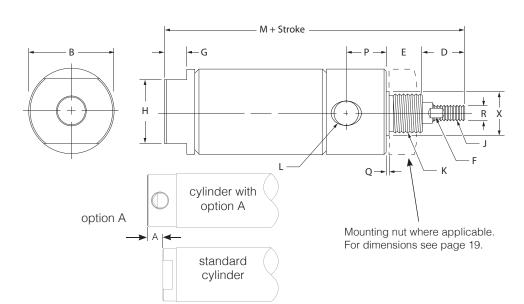
example: 7-D-4BN (3/4 Bore/Double acting cylinder with bumpers and wearstrip)

option	option decription
А	SIDE PORTED REAR HEAD - Locates rear port on side of body. Available on type D, S and SH (See product pages for details).
В	BUMPER - Reduce mechanical noise - Absorb shock - Negligible stroke change due to compression set - Buna N standard. (Viton Bumpers standard when option B is ordered with Option F.) - Single Acting Models - one bumper opposite spring side on piston - Double Acting Models - one bumper on both sides of piston - Standard on type D2EY.
F	FLUOROELASTOMER SEALS (VITON) - For ambient temperatures of -20° to 400° F.
J	ROTATE FRONT HEAD 90 - Front head is rotated 90° clockwise from rear port, viewed from rod end.
К	ROTATE FRONT HEAD 180 - Front head is rotated 180° clockwise from rear port, viewed from rod end.
L	ROTATE FRONT HEAD 270 - Front head is rotated 270° clockwise from rear port, viewed from rod end.
М	INTERNAL MAGNET - For use with Fabco Sensor Switches (see page 22 & 23).
N	WEARSTRIP - Protects pistons and barrel from wear due to minor rod deflection - Standard on type D, DP, and BFD with 5 inches or more of stroke. Standard on type SR and SRP with 3 inches or more of stroke. Not available on Model 8.
Р	POLYPAK ROD SEALS - Provides excellent rod sealing capabilities at low pressures.
R	ROTATED REAR PIVOT TANG - Rotation of rear pivot tang 90°. Port remains in original position.
Т	PIVOT PIN IN REAR TANG - Pivot pin pressed into rear tang. No bracket available. Not available in Models 3 and 4.
W	ROD WIPER - Provides a wiping action to remove most foreign material from exposed rod while maintaining adequate lubricating film. Protects rod and primary rod seal. Not available on Model 8.
U	REAR PIVOT BUSHING - Bushing in rear pivot hole. Hole diameter remains the same. Available on SP, SHP, SRP, DP of models 7, 6, 25, & 5. Standard on model 3 and 4. Note: Model 5 cylinders have no threads on tang (tang diameter is 1.0 inch).

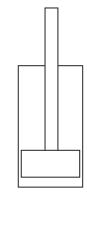
D-type double acting / nose mount

- Stainless steel rod, standard.
- Simple, reliable design.
- Requires air pressure to extend and retract rod.
- Extend force exceeds retract force (smaller effective area on rod side of piston).
- Exclusive Fabco reversible piston.
- Specify option M (internal magnet) to operate sensors.
- Wearstrip standard: 5 inches or more of stroke (optional on shorter strokes. N/A on model 8).
- Options: A, B, F, M, N, P and W.
- Mounting nut included, except model 4 & 3 (order separately).
- Available accessories foot mount and rod clevis. See pages 18 & 19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.







MediaCompressed Air
Pressure Range0-200 PSIG
Temperature Range40°F to 160°F Ambient*
w/Fluoroelastomer20°F to 400°F Ambient*
Recommended maximum stroke12"
*additional heat may be generated by seal friction (high
speed cycling).

piston area	* - in ²
volume - in ³ (per i	
plain side	rod side
.20	.17
.44	.39
.89	.81
1.23	1.08
1.77	1.62
2.41	2.21
3.14	2.84
4.91	4.60
	plain side .20 .44 .89 1.23 1.77 2.41 3.14

*Area x PSIG = Approximate Force

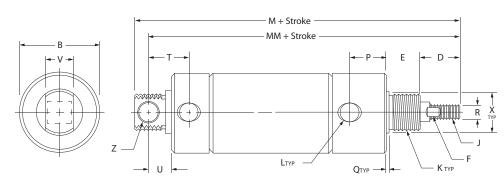
model & type (stroke)	bore	A add to dim. M	B dia.	D rod retracted	E nose length	F wrench flat	G flat	H flat	J rod thread x length	K nose thread	L port (NPSF)	M length	Р	Q pilot	R rod dia.	X pilot 001 006
8-D	1/2	.19	.62	.50	.41	none	.12	.37	10-32 x .50	7/16-20	10-32 UNF	2.62*	.37	.04	.187	.437
7-D	3/4	.44	.88	.50	.50	none	.16	.62	1/4-28 x .50	5/8-18	1/8	3.47	.48	.07	.250	.625
6-D	1 1/16	.25	1.12	.62	.50	.25	.25	.87	5/16-24 x .50	5/8-18	1/8	3.75	.52	.07	.312	.625
25-D	1 1/4	.31	1.31	1.00	.62	.38	.18	.87	7/16-20 x .75	3/4-16	1/8	4.75	.63	.07	.437	.750
5-D	1 1/2	.19	1.55	1.00	.62	.38	.25	.87	7/16-20 x .75	3/4-16	1/8	4.44	.62	.07	.437	.750
75-D	1 3/4	.56	1.81	1.19	.75	.44	.25	1.25	1/2-20 x .88	1-14	1/4	5.57	.72	.09	.500	1.030
4-D	2	.37	2.07	1.25	.81	.50	.31	1.25	1/2-20 x .88	1 1/4-12	1/4	5.56	.69	.12	.625	1.375
3-D	2 1/2	.37	2.62	1.25	.81	.50	.31	1.75	1/2-20 x .88	1 3/8-12	1/4	5.56	.69	.12	.625	1.500

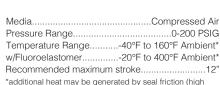
* model 8 only - add 0.399 for Option M.

DP-type double acting / pivot mount or double-end mount

- · Stainless steel rod, standard.
- Simple, reliable design.
- Requires air pressure to extend and retract rod.
- Extend force exceeds retract force (smaller effective area on rod side of piston).
- Exclusive Fabco reversible piston.
- Specify option M (internal magnet) to operate sensors.
- Wearstrip standard: 5 inches or more of stroke (optional on shorter strokes. N/A on model 8).
- Options: B, F, J, K, L, M, N, P, R, T, W and U.
- Versatile mounting, pivot, nose, double-end.
- Available accessories, pivot bracket, mounting nut, foot mount and rod clevis, see pages 18 & 19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.





*additional heat may be generated by seal friction (high speed cycling).

	piston area* - in ²							
model	volume - in ³ (per in	nch of stroke)						
code.	plain side	rod side						
8	.20	.17						
7	.44	.39						
6	.89	.81						
25	1.23	1.08						
5	1.77	1.62						
75	2.41	2.21						
4	3.14	2.84						
3	4.91	4.60						

*Area x PSIG = Approximate Force

model & type (stroke)	bore	B dia.	D rod exten.	E nose length	F wrench flat	J rod thread x length	K nose & pivot thread	L port (NPSF)		MM length	Р	Q pilot	R rod dia.	Т	U	V	X Pil. Dia. 001 006	Z Pivot Hole Dia.
8-DP	1/2	.62	.50	.41	none	10-32 x .50	7/16-20	10-32 UNF	3.31*	3.06*	.37	.04	.187	.42	.25	.31	.437	.16
7-DP	3/4	.88	.50	.50	none	1/4-28 x .50	5/8-18	1/8	4.54	4.25	.48	.07	.250	.66	.34	.38	.625	.25
6-DP	1 1/16	1.12	.62	.50	.25	5/16-24 x .50	5/8-18	1/8	4.62	4.34	.52	.07	.312	.62	.34	.38	.625	.25
25-DP	1 1/4	1.31	1.00	.62	.38	7/16-20 x .75	3/4-16	1/8	5.83	5.47	.63	.07	.437	.91	.41	.50	.750	.25
5-DP	1 1/2	1.55	1.00	.62	.38	7/16-20 x .75	3/4-16	1/8	5.50	5.12	.62	.07	.437	.81	.50	.62	.750	.38
75-DP	1 3/4	1.81	1.19	.75	.44	1/2-20 x .88	1-14	1/4	7.13	6.63	.72	.09	.500	.98	.50	.62	1.030	.38
4-DP	2	2.07	1.25	.81	.50	1/2-20 x .88	1 1/4-12	1/4	6.93	6.50	.69	.12	.625	1.0	.57	.75	1.375	.38
3-DP	2 1/2	2.62	1.25	.81	.50	1/2-20 x .88	1 3/8-12	1/4	6.93	6.50	.69	.12	.625	1.0	.57	.75	1.500	.38

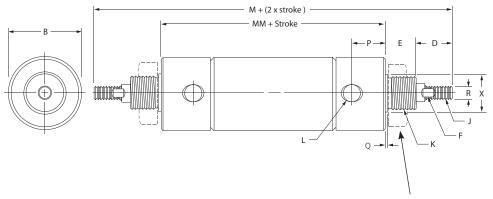
FABCO-AIR com Wife

^{*} model 8 only - add 0.399 for Option M.

D2EY-type double acting - double end rod / double end mount

- Air pressure produces equal force in both directions due to equal piston area; permits locking in mid stroke.
- One rod can be used to perform work function, second rod to operate limit switches, provide support or guide.
- Fixed mounting of both rod ends allows movement of barrel only.
- Bumpers and Stainless steel rod, standard.
- Options: F,J,K,L,N,P,W.
- Two mounting nuts included, except Model 3 & 4 (order separately).
- Available accessories foot mount, mounting nut and rod clevis, see pages 18 & 19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.



Mounting nut where applicable. For dimensions see page 19.

THO ME

Media	Compressed Air
Pressure Range	0-200 PSIG
Temperature Range	40°F to 160°F Ambient*
w/Fluoroelastomer	20°F to 400°F Ambient*
Recommended maximum	m stroke12"
*additional heat may be gen	erated by seal friction (high
speed cycling)	

	piston area* - in ²
model code.	volume - in ³ (per inch of stroke)
8	.17
7	.39
6	.81
25	1.08
5	1.62
75	2.21
4	2.84
3	4.6

model & type (stroke)	bore	B dia.	D rod retracted	E nose length	F wrench flat	J rod thread x length	K nose thread	L port (NPSF)	M length	MM length	Р	Q pilot	R rod dia.	X pilot 001 006
8-D2EY	1/2	.62	.50	.41	none	10-32 x .50	7/16-20	10-32 UNF	3.88	2.07	.37	.04	.187	.437
7-D2EY	3/4	.88	.50	.50	none	1/4-28 x .50	5/8-18	1/8	5.03	3.03	.48	.07	.250	.625
6-D2EY	1 1/16	1.12	.62	.50	.25	5/16-24 x .50	5/8-18	1/8	5.32	3.07	.52	.07	.312	.625
25-D2EY	1 1/4	1.31	1.00	.62	.38	7/16-20 x .75	3/4-16	1/8	6.83	3.58	.63	.07	.437	.750
5-D2EY	1 1/2	1.55	1.00	.62	.38	7/16-20 x .75	3/4-16	1/8	6.63	3.39	.62	.07	.437	.750
75-D2EY	1 3/4	1.81	1.19	.75	.44	1/2-20 x .88	1-14	1/4	8.57	4.69	.72	.09	.500	1.030
4-D2EY	2	2.07	1.25	.81	.50	1/2-20 x .88	1 1/4-12	1/4	8.31	4.19	.69	.12	.625	1.375
3-D2EY	2 1/2	2.62	1.25	.81	.50	1/2-20 x .88	1 3/8-12	1/4	8.31	4.19	.69	.12	.625	1.500

BFD-type



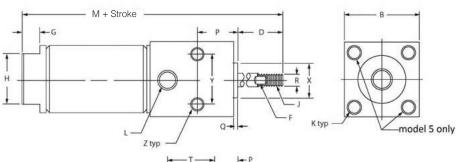
- Stainless steel rod, standard.
- Simple, reliable design.
- Requires air pressure to extend and retract rod.
- Extend force exceeds retract force (smaller effective area on rod side of piston).
- Exclusive Fabco reversible piston.

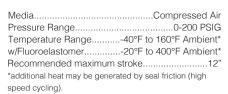
(opposite side) L

8-32x3/16 Dp.

- Specify option M (internal magnet) to operate sensors.
- Wearstrip standard (double acting only): 5 inches or more of stroke (optional, shorter strokes).
- Options: B, F, M, N, P.
- Available accessories, rod clevis, see pages 18 & 19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.





	piston area volume - in ³ (per in	
model code.	plain side	rod side
8-BFD	.20	.17
7-BFD	.44	.39
6-BFD	.89	.81
5-BFD	1.77	1.62

*Area x PSIG = Approximate Force



model & type (stroke)	bore	B Square.	D rod exten.	F Wrench flat	G flat	H flat	J rod thread x length	K mounting holes	L port (NPSF)	M length	Р	Q pilot	R rod dia.	Т	X pilot dia. 001 006	Υ	Z mounting holes
8-BFD	1/2	.75	.50	none	.12	.37	10-32 x .50	Two #8-32 holes on .75 diameter bolt circle	10-32 UNF	2.62	.31	.06	.187	.44	.437	.44	Two #8-32 holes
7-BFD	3/4	1.00	1.06	.22	.16	.62	1/4-28 x .75	Two #10-32 holes on 1.0 diameter bolt circle	1/8	4.03	.47	.09	.250	.51	.625	.62	Two holes drill and c' bored for 10-32 cap screw tap 1/4-20
6-BFD	1 1/16	1.25	1.12	.25	.25	.87	5/16-24 x .75	Two #10-32 holes on 1.25 diameter bolt circle	1/8	4.75	.72	.09	.312	.54	.750	.81	Two holes drill and c' bored for 10-32 cap screw tap 1/4-20
5-BFD	1 1/2	1.75	1.50	.38	.25	.87	7/16-20 x 1.25	Two #1/4-20 holes on 1.75 diameter bolt circle	1/4	5.44	1.00	.12	.437	.66	1.000	1.12	Two holes drill and c' bored for 1/4-20 cap screw tap 5/16-18

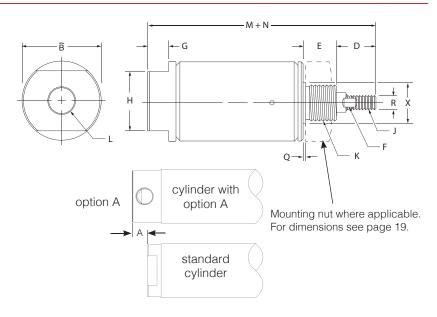
FABCO-AIR som

S-type single acting / nose mount



- Stainless steel rod, standard.
- Economical requires air pressure only to extend rod.
- Stress relieved spring/s retract rod.
- Options: A, F and N.
- Mounting nut included, except model 4 (order separately).
- Available accessories: foot mount and rod clevis, see pages 18 & 19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.

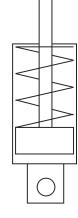


Media	Compressed Air
Pressure Range	0-200 PSIG
Temperature Range40	°F to 160°F Ambient*
w/Fluoroelastomer20	°F to 400°F Ambient*
Recommended maximum strol	ke6"
*additional heat may be generated	by seal friction (high
speed cycling).	

	piston area* - in ²		g force unds
model code.	volume - in ³ (per inch of stroke)	free	comp
8	.20	1	2
7	.44	1.5	5
6	.89	4	8
25	1.23	7	14
5	1.77	6	12
75	2.41	12	24
4	3.14	15	30

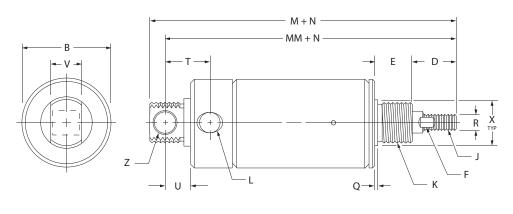
model bore		А	В	D	Е	F wrench	G	Н	J	K	1	М	1	٧	Q	R	Х
& type (stroke)	DOIG	add to dim. M	dia.	rod exten.		wrench flat	flat	flat	rod thread x length	nose thread	port (NPSF)	length	for each stroke increment of:	add to M	pilot	rod dia.	pilot dia. 001 006
8-S	1/2	.19	.56	.50	.31	none	.12	.37	10-32 x .50	3/8-24	10-32 UNF	1.81	1/2"	.94	.04	.187	.375
7-S	3/4	.44	.81	.50	.44	none	.16	.62	1/4-28 x .50	1/2-20	1/8	2.00	1"	1.69	.07	.250	.500
6-S	1 1/16	.25	1.12	.62	.50	.25	.25	.87	5/16-24 x .50	5/8-18	1/8	2.56	1"	1.56	.07	.312	.625
25-S	1 1/4	.31	1.31	1.00	.62	.38	.18	.87	7/16-20 x .75	3/4-16	1/8	3.41	1"	1.81	.07	.437	.750
5-S	1 1/2	.19	1.55	1.00	.62	.38	.25	.87	7/16-20 x .75	3/4-16	1/8	3.19	1"	1.69	.07	.437	.750
75-S	1 3/4	.56	1.81	1.19	.75	.44	.25	1.25	1/2-20 x .88	1-14	1/4	3.85	1"	2.00	.09	.500	1.030
4-S	2	.37	2.07	1.25	.81	.50	.31	1.25	1/2-20 x .88	1 1/4-12	1/4	4.17	1"	2.00	.12	.625	1.375

SP-type single acting / pivot mount or double-end mount



- Stainless steel rod, standard.
- Economical requires air pressure only to extend rod.
- Stress relieved spring/s retract rod.
- Options: F, N, R, T and U.
- Versatile mounting, pivot, nose, double-end.
- Available accessories, pivot bracket, foot mount, mounting nut and rod clevis, see pages 18 &19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.



Media	Compressed Air
Pressure Range	0-200 PSIG
Temperature Range40°F	to 160°F Ambient*
w/Fluoroelastomer20°F	to 400°F Ambient*
Recommended maximum stroke	e6"
*additional heat may be generated by	seal friction (high
speed cycling).	

	piston area* - in ²		g force unds
model code.	volume - in ³ (per inch of stroke)	free	comp
8	.20	1	2
7	.44	1.5	5
6	.89	4	8
25	1.23	7	14
5	1.77	6	12
75	2.41	12	24
4	3.14	15	30

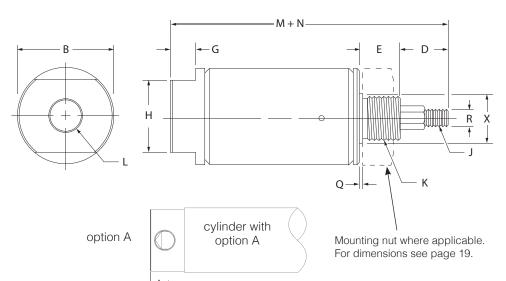
model & type	bore	B dia.	D rod exten.	E nose length	F wrench flat	J rod thread x length	K nose thread	L port (NPSF)	M length	MM length	for each stroke	add to	Q pilot	R rod dia.	Т	U	V	X Pil. Dia. 001 006	Z Pivot Hole
(stroke)											increment of:	М						front (rear)	Dia.
8-SP	1/2	.62	.50	.31	none	10-32 x .50	3/8-24 (7/16- 20)	10-32 UNF	2.50	2.25	1/2"	.94	.04	.187	.42	.25	.31	.375 (.437)	.16
7-SP	3/4	.81	.50	.44	none	1/4-28 x .50	1/2-20 (5/8-18)	1/8	3.06	2.77	1"	1.69	.07	.250	.66	.34	.38	.500 (.625)	.25
6-SP	1 1/16	1.12	.62	.50	.25	5/16-24 x .50	5/8-18 TYP.	1/8	3.44	3.16	1"	1.56	.07	.312	.62	.34	.38	.625	.25
25-SP	1 1/4	1.31	1.00	.62	.38	7/16-20 x .75	3/4-16 TYP.	1/8	4.50	4.14	1"	1.81	.07	.437	.91	.41	.50	.750	.25
5-SP	1 1/2	1.55	1.00	.62	.38	7/16-20 x .75	3/4-16 TYP.	1/8	4.25	3.88	1"	1.69	.07	.437	.81	.50	.62	.750	.38
75-SP	1 3/4	1.81	1.19	.75	.44	1/2-20 x .88	1-14 TYP.	1/4	5.41	4.91	1"	2.00	.09	.500	.98	.50	.62	1.030	.38
4-SP	2	2.07	1.25	.81	.50	1/2-20 x .88	1 1/4-12 TYP.	1/4	5.54	5.11	1"	2.00	.12	.625	1.0	.57	.74	1.375	.381

SH-type single acting, non-rotating rod / nose mount



- Stainless steel rod, standard.
- Non-rotating hex rod-no special guides required.
- Requires air pressure only to extend rod.
- Stress relieved springs retract rod.
- Options: A, F and N.
- Mounting nut included.
- Available accessories: foot mount and rod clevis, see pages 18 & 19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.



standard cylinder

MediaCoi	mpressed Air
Pressure Range	0-200 PSIG
Temperature Range40°F to 16	0°F Ambient*
w/Fluoroelastomer20°F to 40	0°F Ambient*
Recommended maximum stroke	6"
*additional heat may be generated by seal fr	iction (high
speed cycling).	

	piston area* - in ²	spring force pounds				
model code.	volume - in ³ (per inch of stroke)	free	comp			
8	.20	1	2			
7	.44	1.5	5			
6	.89	4	8			
5	1.77	6	12			

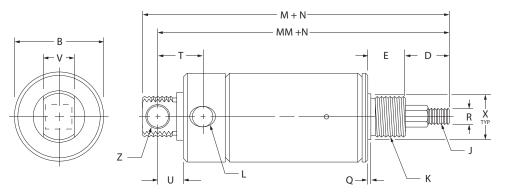
model	bore	А	В	D	Е	G	Н	J	K	L	М	N		Q	R	Х
& type (stroke)	50.0	add to dim. M	dia.	rod exten.	nose length	flat	flat	rod thread x length	nose thread	port (NPSF)	length	for each stroke increment of:	add to M	pilot	Hex Flats.	pilot dia. 001 006
8-SH	1/2	.19	.56	.75	.31	.12	.37	10-32 x .50	3/8-24	10-32 UNF	2.06	1/2"	.94	.04	.187	.375
7-SH	3/4	.44	.81	.75	.44	.16	.62	1/4-28 x .50	1/2-20	1/8	2.25	1"	1.69	.07	.250	.500
6-SH	1 1/16	.25	1.12	.75	.50	.25	.87	5/16-24 x .50	5/8-18	1/8	2.68	1"	1.56	.07	.375	.625
5-SH	1 1/2	.19	1.55	1.25	.62	.25	.87	7/16-20 x 1.0	3/4-16	1/8	3.44	1"	1.69	.07	.437	.750

 $SHP\text{-type} \hspace{0.2cm} \textbf{single acting, non-rotating rod / pivot mount or double-end mount}$



- Stainless steel rod, standard.
- Non-rotating hex rod-no special guides required.
- Requires air pressure only to extend rod.
- Stress relieved springs retract rod.
- Options: F, N, R, T and U.
- Versatile mounting, pivot, nose, double end.
- Available accessories: pivot bracket, foot mount, mounting nut and rod clevis, see pages 18 & 19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.



MediaCompressed Air
Pressure Range0-200 PSIG
Temperature Range40°F to 160°F Ambient*
w/Fluoroelastomer20°F to 400°F Ambient*
Recommended maximum stroke6"
*additional heat may be generated by seal friction (high
speed cycling).

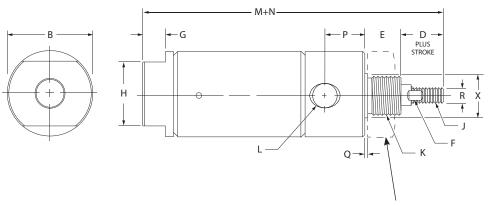
	piston area* - in ²	spring force				
model code.	volume - in ³ (per inch of stroke)	free	comp			
8	.20	1	2			
7	.44	1.5	5			
6	.89	4	8			
5	1.77	6	12			

model	bore	В	D	Е	J	К	L	М	MM	٨		Q	R	Т	U	V	Х	Z
& type (stroke)	DOTO	dia.	rod exten.	nose length	rod thread x length	nose thread	port (NPSF)	length	length	for each stroke increment of:	add to M	pilot	HEX FLATS				pilot dia. 001 006	Pivot Hole Dia.
8-SHP	1/2	.56	.75	.31	10-32 x .50	3/8-24	10-32 UNF	2.75	2.50	1/2"	.94	.04	.187	.42	.25	.31	.375	.16
7-SHP	3/4	.81	.75	.44	1/4-28 x .50	1/2-20 (5/8-18)	1/8	3.31	3.02	1"	1.69	.07	.250	.66	.34	.38	.500 (.625)	.25
6-SHP	1 1/16	1.12	.75	.50	5/16-24 x .50	5/8-18	1/8	3.56	3.28	1"	1.56	.07	.375	.62	.34	.38	.625	.25
5-SHP	1 1/2	1.55	1.25	.62	7/16-20 x 1.0	3/4-16	1/8	4.50	4.13	1"	1.69	.07	.437	.81	.50	.62	.750	.38

SR-type single acting reverse / nose mount

- Stainless steel rod, standard.
- Requires air pressure to retract rod.
- Stress relieved springs extend rod.
- Options: F, N, P and W.
- Wearstrip standard: 3 inches or more of stroke (optional, shorter strokes).
- Mounting nut included, except model 4 (order separately).
- Available accessories: foot mount and rod clevis, see pages 18 & 19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.



Mounting nut where applicable. For dimensions see page 19.

MediaCompressed Air
Pressure Range0-200 PSIG
Temperature Range40°F to 160°F Ambient*
w/Fluoroelastomer20°F to 400°F Ambient*
Recommended maximum stroke4"
*additional heat may be generated by seal friction (high
speed cycling).

	piston area* - in ²	spring force pounds					
model code.	volume - in ³ (per inch of stroke)	free	comp				
8	.17	1	4				
7	.39	1.5	7.5				
6	.81	4	12				
25	1.08	7	21				
5	1.62	6	18				
75	2.21	12	36				
4	2.84	15	42				

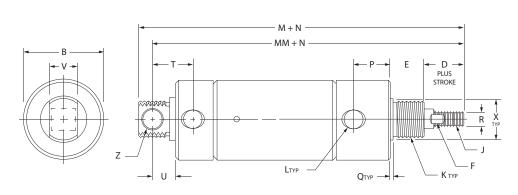
*Area x PSIG = Approximate Force

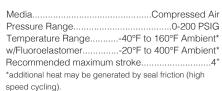
model & type (stroke)	bore	B dia.	D rod retracted	E nose length	F wrench flat	G flat	H flat	J rod thread x length	K nose thread	L port (NPSF)	M length (with rod extended)	for each stroke increment of:	add to M	P	Q pilot	R rod dia.	X pilot dia. 001 006
8-SR	1/2	.62	.50	.41	none	.12	.37	10-32 x .50	7/16-20	10-32 UNF	2.42	1/2"	1.44	.37	.04	.187	.437
7-SR	3/4	.88	.50	.50	none	.16	.62	1/4-28 x .50	5/8-18	1/8	2.78	1"	2.69	.48	.07	.250	.625
6-SR	1 1/16	1.12	.62	.50	.25	.25	.87	5/16-24 x .50	5/8-18	1/8	3.28	1"	2.56	.52	.07	.312	.625
25-SR	1 1/4	1.31	1.00	.62	.38	.18	.87	7/16-20 x .75	3/4-16	1/8	4.25	1"	2.81	.63	.07	.437	.750
5-SR	1 1/2	1.55	1.00	.62	.38	.25	.87	7/16-20 x .75	3/4-16	1/8	4.00	1"	2.69	.62	.07	.437	.750
75-SR	1 3/4	1.81	1.19	.75	.44	.25	1.25	1/2-20 x .88	1-14	1/4	5.03	1"	3.00	.72	.09	.500	1.030
4-SR	2	2.07	1.25	.81	.50	.31	1.25	1/2-20 x .88	1 1/4-12	1/4	5.11	1"	3.00	.69	.12	.625	1.375

 $\mathsf{SRP}\text{-}\mathsf{type}$ single acting reverse / pivot mount or double end mount

- Stainless steel rod, standard.
- · Requires air pressure to retract rod.
- Stress relieved springs extend rod.
- Options: F, N, P and W.
- Wearstrip standard: 3 inches or more of stroke (optional, shorter strokes).
- Options: F, N, P, R, T, W and U.
- Versatile mounting, pivot, nose, double-end.
- Available accessories: pivot bracket, foot mount, mounting nut and rod clevis, see pages 18 & 19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.



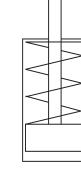


	piston area* - in ²		g force unds
model code.	volume - in ³ (per inch of stroke)	free	comp
8	.17	1	4
7	.39	1.5	7.5
6	.81	4	12
25	1.08	7	21
5	1.62	6	18
75	2.21	12	36
4	2.84	15	42

*Area x PSIG = Approximate Force

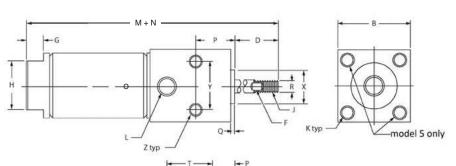
model & type (stroke)	bore	B dia.	D rod exten.	E nose length	F wrench flat	J rod thread x length	K nose thread	L port (NPSF)	M length (w/rod ext.)	MM length (w/rod ext.)	for each stroke increment of:	add to M	Р	Q pilot	R rod dia.	Т	U	V	X Pil. Dia. 001 005	Z Pivot Hole Dia.
8-SRP	1/2	.62	.50	.41	none	10-32 x .50	7/16-20	10-32 UNF	3.12	2.88	1/2"	1.44	.37	.04	.187	.42	.25	.31	.437	.16
7-SRP	3/4	.88	.50	.50	none	1/4-28 x .50	5/8-18	1/8	3.84	3.55	1"	2.69	.48	.07	.250	.66	.34	.38	.625	.25
6-SRP	1 1/16	1.12	.62	.50	.25	5/16-24 x .50	5/8-18	1/8	4.15	3.87	1"	2.56	.52	.07	.312	.62	.34	.38	.625	.25
25-SRP	1 1/4	1.31	1.00	.62	.38	7/16-20 x .75	3/4-16	1/8	5.33	4.97	1"	2.81	.63	.07	.437	.91	.41	.50	.750	.25
5-SRP	1 1/2	1.55	1.00	.62	.38	7/16-20 x .75	3/4-16	1/8	5.06	4.69	1"	2.69	.62	.07	.437	.81	.50	.62	.750	.38
75-SRP	1 3/4	1.81	1.19	.75	.44	1/2-20 x .88	1-14	1/4	6.59	6.09	1"	3.00	.72	.09	.500	.98	.50	.62	1.030	.38
4-SRP	2	2.07	1.25	.81	.50	1/2-20 x .88	1 1/4-12	1/4	6.48	6.05	1"	3.00	.69	.12	.625	1.0	.57	.75	1.375	.38

BFS-type



- Versatile mounting... through-head, front mount using pilot.
- Stainless steel rod, standard.
- Wearstrip standard 3" inches or more of stroke (optional on shorter strokes. N/A on model 8).
- BFS Options: F and N.
- Available accessories: rod clevis, see pages 18 & 19.

For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.



8-32x3/16 Dp.

Media	Compressed Air
Pressure Range	0-200 PSIG
Temperature Range	40°F to 160°F Ambient*
w/Fluoroelastomer	20°F to 400°F Ambient*
Recommended maximum	stroke6"
*additional heat may be generated	ated by seal friction (high
speed cycling).	

	piston area* - in ²		spring force pounds			
model code.	volume - in ³ (per inch of stroke)	free	comp			
8-BFS	.20	1	2			
7-BFS	.44	1.5	5			
6-BFS	.89	4	8			
5-BFS	1.77	6	12			

*Area x PSIG = Approximate Force



FABCO-AIR com

model & type (stroke)	bore	B square	D rod exten.	F Wrench flat	G flat	H flat	J rod thread x length	K mounting holes	L port (NPSF)	M length	for each stroke increment of:	add to M	Р	Q pilot	R rod dia.	Т	X pilot dia. 001 006	Y	Z mounting holes
8-BFS	1/2	.75	.50	none	.12	.37	10-32 x .50	Two #8-32 holes on .75 dia bolt circle	10-32 UNF	2.42	1/2"	.94	.31	.06	.187	.44	.437	.44	Two #8-32 holes
7-BFS	3/4	1.00	1.06	.22	.16	.62	1/4-28 x .75	Two #10-32 holes on 1.0 dia bolt circle	1/8	3.34	1"	1.69	.47	.09	.250	.51	.625	.62	Two holes drill and c' bored for 10-32 cap screw tap 1/4-20
6-BFS	1 1/16	1.25	1.12	.25	.25	.87	5/16-24 x .75	Two #10-32 holes on 1.25 dia bolt circle	1/8	4.28	1"	1.56	.72	.09	.312	.54	.750	.81	Two holes drill and c' bored for 10-32 cap screw tap 1/4-20
5-BFS	1 1/2	1.75	1.50	.38	.25	.87	7/16-20 x 1.25	Two #1/4-20 holes on 1.75 dia bolt circle	1/4	5.00	1"	1.69	1.00	.12	.437	.66	1.000	1.12	Two holes drill and c' bored for 1/4-20 cap screw tap 5/16-18

BFSR-type



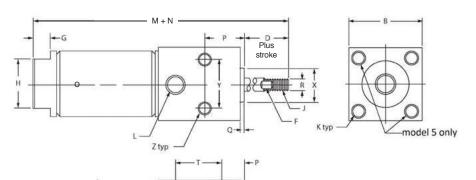
- Versatile mounting... through-head, front mount using pilot.
- Stainless steel rod, standard.
- Wearstrip standard 3" inches or more of stroke (optional on shorter strokes. N/A on model 8).
- BFSR Options: F,N and P.

(opposite side) L

8-32x3/16Dp.

• Available accessories: rod clevis, see pages 18 & 19.

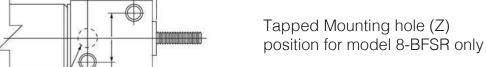
For product configuration utility, 3D CAD viewer, and 3D CAD Model downloads, Visit www.fabco-air.com.



MediaCompressed Air
Pressure Range0-200 PSIG
Temperature Range40°F to 160°F Ambient*
w/Fluoroelastomer20°F to 400°F Ambient*
Recommended maximum stroke4"
*additional heat may be generated by seal friction (high
speed cycling).

	piston area* - in ²	spring force pounds			
model code.	volume - in ³ (per inch of stroke)	free	comp		
8-BRSR	.17	1	4		
7-BFSR	.39	1.5	7.5		
6-BFSR	.81	4	12		
5-BFSR	1.62	8	18		

*Area x PSIG = Approximate Force



model & type (stroke)	bore	square	D rod exten.	F Wrench flat	G flat	H flat	J rod thread x length	K mounting holes	L port (NPSF)	M length	for each stroke increment of:		Р	Q pilot	R rod dia.	Т	X pilot dia. 001 006	Υ	Z mounting holes
8-BFSR	1/2	.75	.50	none	.12	.37	10-32 x .50	Two #8-32 holes on .75 dia bolt circle	10-32 UNF	2.42	1/2"	1.44	.31	.06	.187	.44	.437	.44	Two #8-32 holes
7-BFSR	3/4	1.00	1.06	.22	.16	.62	1/4-28 x .75	Two #10-32 holes on 1.0 dia bolt circle	1/8	3.34	1"	2.69	.47	.09	.250	.51	.625	.62	Two holes drill and c' bored for 10-32 cap screw tap 1/4-20
6-BFSR	1 1/16	1.25	1.12	.25	.25	.87	5/16-24 x .75	Two #10-32 holes on 1.25 dia bolt circle	1/8	4.28	1"	2.56	.72	.09	.312	.54	.750	.81	Two holes drill and c' bored for 10-32 cap screw tap 1/4-20
5-BFSR	1 1/2	1.75	1.50	.38	.25	.87	7/16-20 x 1.25	Two #1/4-20 holes on 1.75 dia bolt circle	1/4	5.18	1"	2.69	1.00	.12	.437	.66	1.000	1.12	Two holes drill and c' bored for 1/4-20 cap screw tap 5/16-18

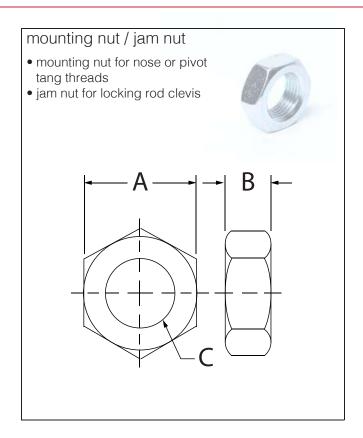
FABCO-AIR

• air cylinder accessories are made of carbon steel • burnished for surface smoothness • bright zinc plated for corrosion resistance

accessories Model Cylinder Bore Sizes В С D Ε F G Н Number (model code) pivot bracket 1/2 (8) .20 .52 .43 .54 .22 50° .64 .75 BP-8-C .16 • for use with pivot cylinders • cylinders can pivot through .26 .65 .75 .87 .26 53° BP-11-C 3/4 (7) & 1 1/16 (6) .31 .87 1.19 120° • one-piece construction for strength and ease of cylinder BP-25-C 1 1/4 (25) .32 .77 .75 .94 .31 .26 53° 1.06 1.25 installation/removal • pivot pin and cotter pin .96 1.00 1.25 52° BP-15-C 1 1/2 (5) & 1 3/4 (75) .39 .38 .38 1.37 | 1.63 supplied. BP-19-C 2 (4) & 2 1/2 (3) .45 1.20 1.00 1.43 .38 .38 48° 1.68 1.81

		Model Number	Cylinder Bore Sizes (model code)	А	В	С	D	E	F	G	Н
rod clevis	0	CT-8	1/2 (8)	.38	.19	.75	.38	10-32	.19	.94	.12
for use on all cylinderssmooth beveled endslocknut, clevis pin and	C= 30	CT-7	3/4 (7)	.50	.25	.94	.50	1/4-28	.26	1.20	.16
cotter pin supplied.	C E	CT-11	1 1/16 (6)	.50	.26	.94	.50	5/16-24	.26	1.20	.19
A B SQ V		CT-15	1 1/4 (25) & 1 1/2 (5)	.75	.38	1.30	.75	7/16-20	.38	1.70	.25
F —	G H H H	CT-19	1 3/4(75),2(4), 2 1/2(3)	.75	.38	1.30	.75	1/2-20	.38	1.70	.31

		ı	I	i	i	i	i	i	l i	Ì	1 1	I I
		Model Number	Cylinder Bore Sizes (model code)	А	В	С	D	E	F	G	Н	J
foot mount		F-8-S	1/2(8) single acting types	.31	.19	.62	1.00	.37	.38	56°	.57	1.38
• for nose mounting and double - end mounting	1	F-8	1/2(8) double acting types	.31	.19	.62	1.00	.37	.44	56°	.57	1.38
• gusseted for added strength	F-7	3/4(7) single acting types	.44	.19	.75	1.25	.40	.50	45°	.69	1.63	
F-	l — F	F-11	3/4(7) double acting 1 1/16(6) single & double acting types	.56	.27	1.00	1.50	.56	.63	45°	.81	1.88
		F-15	1 1/4(25) & 1 1/2(5) All Types	.77	.27	1.50	1.89	.76	.76	49°	1.00	2.50
	G H	F-75	1 3/4(75) All Types	.94	34	1.50	2.25	.88	1.04	52°	1.25	3.00
D — D		F-19	2(4) All Types	1.00	.34	1.62	2.25	1.00	1.38	60°	1.50	3.12
		F-21	2 1/2 (3) All Types	1.00	.34	1.62	2.88	1.25	1.50	63°	1.75	3.75
			equires one each JN-8-S and and 7-SHP require one each					nd mount.				



mounting nut #	where to use cylinder bore & type	А	В	С
JN-8-S	1/2(8) single acting	.56	.22	3/8-24
JN-8	1/2(8) double acting	.68	.25	7/16-20
JN-7	3/4(7) single acting	.75	.31	1/2-20
JN-11	3/4(7) double acting 1 1/16(6) all types	.93	.37	5/8-18
JN-15	1 1/4(25) all types 1 1/2(5) all types	1.12	.42	3/4-16
JN-75	1 3/4(75) all types	1.50	.56	1-14
JN-19	2(4) all types	1.88	.50	1 1/4-12
JN-21	2 1/2(3) All Types	2.06	.50	1 3/8-12

jam nut #	where to use cylinder bore size	А	В	С
C110-9	1/2(8)	.370	.12	10-32
C110-762	3/4(7)	.43	.16	1/4-28
C110-763	1 1/16(6)	.50	.19	5/16-24
JN-8	1 1/4(25) & 1 1/2(5)	.68	.25	7/16-20
JN-7	1 3/4(75) & 2(4) & 2 1/2(3)	.75	.31	1/2-20

FABCO-AIR volume chambers

C, CP, CPP types standard / end mount / double end mount

- C type: standard inline mount
- CP type: end mount
- CPP type: double end mount
- For vacuum or air
- Ideal for time delay circuits
- Stainless steel barrel
- Aluminum end caps
- Options: A and AA side porting.
- See page 18 and 19 for foot mount and mounting nuts. (CP, CPP models)



	bore	volume in ³					
bore code	dia. in.	basic volume*	add per 1.0 inch length				
8	1/2	.11	.20				
7	3/4	.40	.44				
6	1 1/16	.88	.89				
25	1 1/4	1.44	1.23				
5	1 1/2	1.68	1.77				
75	1 3/4	3.29	2.41				
4	2	4.04	3.14				
3	2 1/2	6.38	4.91				

*add this volume to sum of the per inch volume.

This basic volume exists before any 1-inch increments are added.

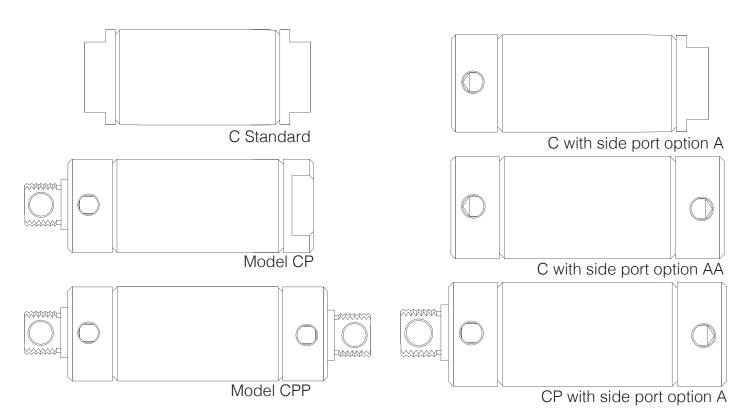
how to order

example:

7-C-6A

5-CP-4

8-CPP-2-1/2

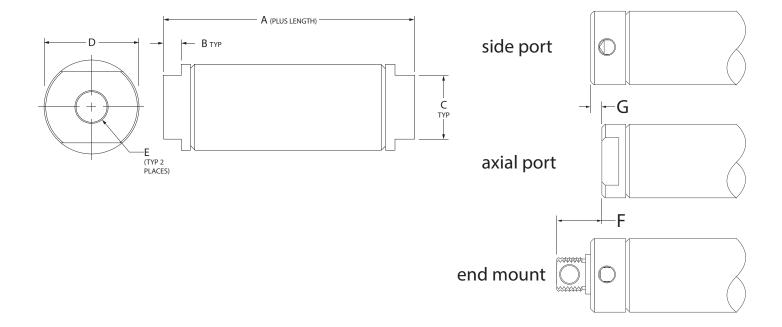


FABCO-AIR volume chambers dimensions



	dimensions									
bore	А	В	С	D	E (NPSF)	F	G			
8	1.35	.11	.37	.56	10-32 UNF	.96	.19			
7	1.91	.16	.62	.81	1/8	1.35	.44			
6	2.18	.25	.88	1.11	1/8	.88	.25			
25	2.67	.18	.87	1.30	1/8	1.08	.31			
5	2.26	.25	.88	1.55	1/8	1.06	.19			
75	2.57	.25	1.24	1.80	1/4	1.56	.56			
4	2.81	.32	1.25	2.07	1/4	1.37	.37			
3	2.81	.31	2.07	2.61	1/4	1.37	.37			

- For side porting, (option A) add dimension A & G to desired length. (double the G dimension for option AA, side porting both ends.)
- For end mount add dimension A & F to desired length. (Double the F dimensions for end mount both ends.)

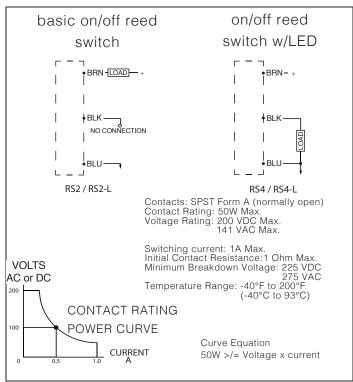


with position sensing

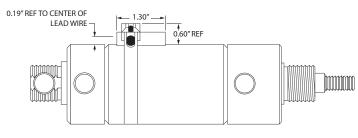
Fabco double acting air cylinders, type D, DP, and BFD may be ordered with Option M, an internal magnet factory installed on the reversible piston, permitting use with position sensing switches. Cylinder models with Option M are interchangeable in length with other Fabco air cylinders, facilitating conversions of existing applications.



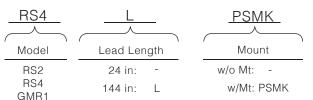
sensor switches



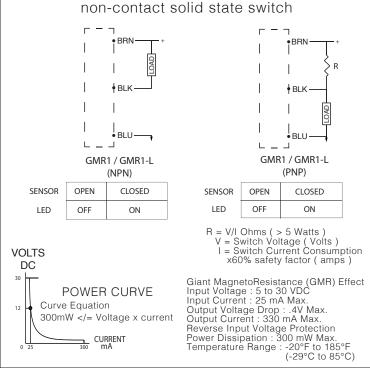
PSMK Mounting Kit: Mounts sensor to Fabco Cylinder. Assembly instructions are included with shipment.



how to order



lead length: 24 inches standard lead length: 144 inches = Option L



Prices effective Jan 2, 2017

Triocs cricotive van 2, 2017						
	Switches	Price				
RS-2	Reed	\$23.63				
RS-2L	Reed w/144" Lead	\$32.53				
RS-2-PSMK	Reed w/Mounting	\$29.76				
RS-2L-PSMK	Reed w/144" leads & Mtg	\$38.65				
RS-4	Reed - LED	\$33.36				
RS-4L	Reed - LED w/144" Leads	\$43.68				
RS-4-PSMK	Reed - LED w/Mtg	\$39.49				
RS-4L-PSMK	Reed - LED w/144" Leads & Mtg	\$49.81				
GMR-1	Solid State	\$37.70				
GMR-1L	Solid State w/144" Leads	\$48.14				
GMR-1-PSMK	Solid State w/Mounting	\$43.83				
GMR-1L-PSMK	Solid State w/144" leads &Mtg	\$54.27				
PSMK	Sensor Switch Mounting Kit	\$5.75				

Cylinder Accessories Magnetic Position Sensors

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

Magnetically operated reed switches and electronic sensors can be mounted anywhere along the length and circumferance of the cylinder. A magnetic piston is

	Dovetail Style Sensors	Prewired 9 ft. Leadwire	Quick Disconnect*					
Sensor Type	Electrical Characteristics	Part No. Price	Part No. Price					
Reed (No LED)	0-120 VDC/VAC, 0.5 Amp Max current, 5 Watt Max, 0 Voltage Drop	949-000-001 \$18.95	949-000-301 \$26.95					
Reed (LED)	5-120 VDC/VAC, 0.03 Amp Max current, 4 Watt Max, 2.0 Voltage Drop	949-000-002 19.80	949-000-30227.60					
Electronic (LED)	Sourcing PNP 5-28 VDC, 0.20 Amp Max current, 1.0 Voltage Drop	949-000-031 25.00	949-000-331 32.85					
Electronic (LED)	Sinking NPN 5-28 VDC, 0.20 Amp Max current, 1.0 Voltage Drop	949-000-032 25.00	949-000-33232.85					
*Note: Quick di	*Note: Quick disconnect styles are supplied with 6 inch pigtail with male connector. Order female cordsets separately from chart below.							

60° Wire Outlet · Encased in a plastic housing, 14* dovetail style sensors are corrosion 60° Set resistant. 60° wire outlet Screw allows close mounting. • Two methods of mounting are available: one is fastened to the Sensor slides into cylinder barrel with a band clamp (not included with extruded aluminum rail and is locked in place with a screw. sensor - must be ordered separately); the second is an adhesive-backed mounting rail with twin dovetail slots. H-Series cylinder with rail mounted dovetail sensors shown on one of Fabco-Air's linear slide products.

Band Clamp Adapter for Dovetail Sensors (Must be ordered separately) Part No. 900-300-000 **Price:** \$8.55

Mounting Options

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-6-DP-4M" 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

Application recommendations: a) Clean cylinder body O.D. with acetone. Remove all oil from surface.

Fabco-Air

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	Prewired 9 ft. Leadwire	Quick Disconnect*		
Sensor Type	Electrical Characteristics	Part No. Price	Part No. Price		
Reed (LED)	5-120 VAC/VDC, 0.5 AMP Max, 10 Watt Max, SPST N.O. 3.5 voltage drop	9-2A197-1003\$31.40	9-2A197-1303\$40.45		
Electronic (LED)	Sourcing, PNP, 6-24 VDC, 0.5 Amp Max, 1.0 voltage drop	9-2A197-103133.65	9-2A197-133143.15		
Electronic (LED)	Sinking, NPN, 6-24 VDC, 0.5 Amp Max, 1.0 voltage drop	9-2A197-103233.65	9-2A197-133243.15		

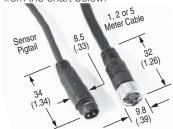


Female Cordsets for Quick Disconnect Sensors Cordset Length Part No. **Price** 1 Meter CFC-1M \$15.05 2 Meters CFC-2M 16.85 5 Meters CFC-5M 21.30

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.



FABCO-AIR deluxe rod ends

Exclusive with Fabco Air Cylinders (except SH, SHP, and D2EY models), you may choose from 15 unique, custom rod-end design selections, and have Fabco tailor it to your exact requirements.

The 15 themes are shown below, and address customizable features such as rod extension length, wrench flat position, male or female rod thread and rod thread length, plain rod end, rounded rod end, ring grooves, rod diameter reductions, and (cotter) pin holes.

Each of the 15 different rod end selections includes a specific set of user definable dimensions selected from the Deluxe Rod

DX05-00145 specs:

J=10-32 UNF JL=0.25" End Workbook. Expect normal lead times and no minimum order quantities. A unique model number is assigned at the initial build cycle. That part number is permanently available for future orders of the same make.

Examples of part numbers utilizing codes below are: 7-S-2 DX01-00039 and 5-S-1N DX12-00015.

