

Three-Position Original Line Cylinders

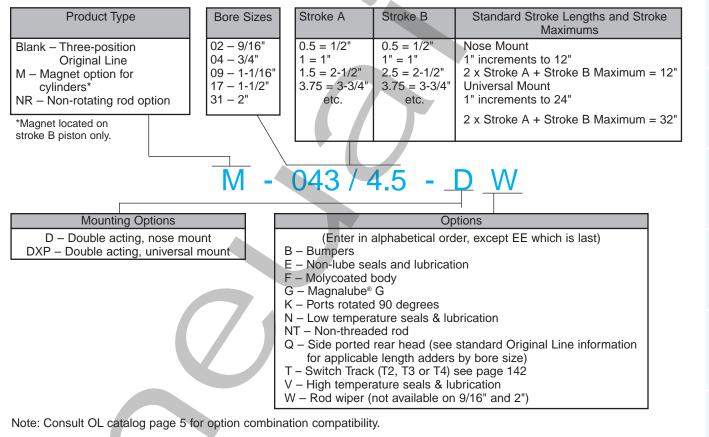


Bimba's three-position Original Line stainless steel body cylinder provides three positions with a single cylinder. Bimba offers the performance and quality of the unitized Original Line cylinder design along with it's product breadth now in three positive stroke positions.

How to Order

The model number for all Three-Position Original Line cylinders consists of three alphanumeric clusters. These designate product type, bore size and stroke length, and options. Please refer to the

charts below for an example of model number M-043/4.5-DW. This is a 3/4" bore, with a 3" stroke for position A, plus an additional 4-1/2" stroke for position B, double acting cylinder with a rod wiper.



Specifications

	Expected life: Total stroke tolerance:	1400 miles when lubricated
	9/16" - 1-1/2"	+.075/040
	2":	+.095/060
	Operating Medium:	Air only
	Maximum Operating Pressure:	250 psi
	Temperature Range:	-20°F to 200°F
	Standard Lubrication:	HT-99
End	dcaps, center section, and piston material:	Aluminum
	Cylinder body:	304 stainless steel
	Piston and rod seals:	Buna N "U" cups
	Rod and pivot bushings:	Sintered bronze
	Piston rod:	303 stainless steel

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List Prices

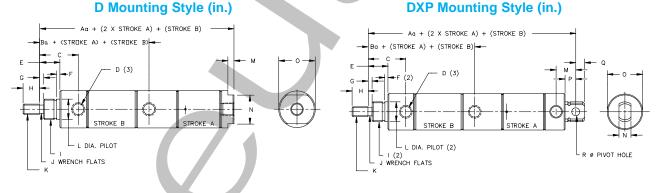
	Mour	nting	Total			
Bore	Mounting- D List Price	-DXP List Price	combined stroke adder, per inch**			
02 - 9/16"	\$28.85	\$31.90	\$1.35			
04 - 3/4"	\$31.45	\$36.15	\$1.35			
09 - 1-1/16"	\$36.30	\$41.35	\$1.35			
17 - 1-1/2"	\$49.25	\$55.10	\$2.10			
31 - 2"	\$68.20	\$76.85	\$2.40			

**Total combined stroke = (2 X stroke A) + Stroke B

		Options										
	М	В	E	F	N	V	W	EE	NR			
Bore	(Prefix)	Bumpers	Non-lube	Molycoated	Low	High	Rod	Extra Rod	Prefix			
	Magnetic		Seals and	Body	Body Temperature		Wiper	Extension	Non-			
	Position		Lubrication	per inch	Seals	Seals and		per inch	rotating			
	Sensing					lubrication			rod			
9/16" (02)	\$8.40	\$7.25	\$14.65	\$2.30	\$2.10	\$18.95	N/A	\$0.70	\$15.00			
3/4" (04)	\$8.40	\$7.25	\$15.20	\$2.30	\$2.10	\$18.95	\$2.50	\$0.70	\$15.00			
1-1/16" (09)	\$10.45	\$7.25	\$16.75	\$2.30	\$3.15	\$22.80	\$2.50	\$0.70	\$20.00			
1-1/2" (17)	\$12.55	\$8.80	\$17.80	\$2.30	\$4.20	\$25.10	\$2.50	\$1.05	\$20.00			
2" (31)	\$14.65	\$11.30	\$26.35	\$2.30	\$5.25	\$32.20	N/A	\$1.15	\$25.00			

No Charge Options: G, K, NT

Dimensions



D Model											Bumper Option						
Bore	Aa	Ва	С	D	Е	F	G	Н	I	J	К	L	М	Ν	0	Aa	Ва
9/16" (02)	4.12	2.25	0.75	#10-32	0.38	0.06	N/A	0.50	7/16-20	N/A	#10-32	.434/.437	0.19	0.50	0.62	4.31	2.31
3/4" (04)	5.47	3.12	0.97	1/8 NPT	0.50	0.09	N/A	0.50	5/8-18	N/A	1/4-28	.621/.624	0.19	0.62	0.81	5.47	3.12
1-1/16" (09)	5.97	3.25	1.19	1/8 NPT	0.62	0.09	0.12	0.50	5/8-18	0.25	5/16-24	.621/.624	0.49	0.88	1.12	6.09	3.25
1-1/2" (17)	6.5	3.69	1.50	1/8 NPT	0.88	0.09	0.25	0.75	3/4-16	0.38	7/16-20	.746/.749	0.25	0.88	1.56	6.62	3.69
2" (31)	8.25	4.78	1.92	1/4 NPT	1.19	0.12	0.38	0.88	1-1/4-12	0.50	1/2-20	1.375/1.372	0.31	1.25	2.09	8.62	4.91

DXP Model											Bumper Option									
Bore	Aa	Ва	Ç	D	Е	F	G	Н	I	J	К	L	М	Ν	0	Р	Q	R	Aa	Ва
9/16" (02)	4.41	2.25	0.75	#10-32	0.38	0.06	N/A	0.50	7/16-20	N/A	#10-32	.434/.437	0.38	0.31	0.62	0.25	0.19	0.157	4.66	2.31
3/4" (04)	6.25	3.12	0.97	1/8 NPT	0.50	0.09	N/A	0.50	5/8-18	N/A	1/4-28	.621/.624	0.62	0.38	0.86	0.34	0.28	0.250	6.25	3.12
1-1/16" (09)	6.56	3.25	1.19	1/8 NPT	0.62	0.09	0.12	0.50	5/8-18	0.25	5/16-24	.621/.624	0.62	0.38	1.12	0.34	0.28	0.250	6.68	3.25
1-1/2" (17)	7.18	3.69	1.50	1/8 NPT	0.63	0.09	0.25	0.75	3/4-16	0.38	7/16-20	.746/.749	0.81	0.62	1.56	0.50	0.38	0.375	7.31	3.69
2" (31)	9.19	4.78	1.92	1/4 NPT	1.19	0.12	0.38	0.88	1-1/4-12	0.50	1/2-20	1.375/1.372	1.03	0.75	2.08	0.56	0.44	0.375	9.56	4.91



Air Cylinders with Adjustable Cushions*

- Readily Accessible Cushion Needle For Easy Adjustment
- Double Acting Models
- Rated 250 PSI
- 304 Stainless Steel Body Mirror Finish I.D.
- High Strength Aluminum Alloy Porting Ends
- Ground and Roller Burnished 303 Stainless Steel Piston Rod Standard
- Buna N "U" Cup Seals
- Low Breakaway Friction Less Than 5 PSI
- · Special Stroke Lengths Available on Request

OPTIONS FOR EACH BORE SIZE:

NO CHARGE:

- MAGNALUBE G (G)
- NO THREAD (NT) (Available on ¾", 1‰" and 1½" bores)

EXTRA EXTENSION (EE)

- Double acting, per inch of extension:
 - %" Bore, add \$0.70 1%" Bore, add \$0.70 1½" Bore, add \$0.90 2" Bore, add \$1.15 2½" Bore, add \$1.25 3" Bore, add \$1.50

HIGH TEMPERATURE SEALS (V)

	Double Acting	DXDE
04 Bore	\$15.55	\$18.55
09 Bore	\$17.90	\$20.90
17 Bore	\$19.00	\$24.40
31 Bore	\$27.90	\$32.85

 Cylinders are supplied with adjustable cushions on both ends. To order cushion on one end only, specify CF (front head cushion only), or CR (rear head cushion only), or CS (one end only) and deduct from base price as shown.
 (ex: ¾" bore, cushion on front head only – CF-04□-D;

- ³/₄ bore, cushion on rear head only CR-04_-D, ³/₄" bore, cushion on rear head only – CR-04_-D;
 - $\frac{3}{4}$ " DXDE model, cushion on one side only CS-04-D).

Enter Stroke Length as 3rd Digit

	OPTIONS FOR EACH BORE SIZE: continued 50 Bore \$30.35 \$35.35 70 Bore \$33.00 \$38.80	l	CUITUS
	EXTRA EXTENSION (EE) • DXDE, per inch of extension: (added to each end) ¾" Bore, add \$0.90 1‰" Bore, add \$0.90		Confiners
	1½" Bore, add \$1.70 2" Bore, add \$1.75 2½" Bore, add \$2.05 3" Bore, add \$2.15 PORTS ROTATED (K)*		Cymuers
	(Rotates ports and cushion screw location 90° clockwise) MAGNETIC PISTON (prefix M) ¼" Bore, add \$8.40 1 ^{//} ₆ " Bore, add \$10.45 1 ['] / ₂ " Bore, add \$12.55 2" Bore, add \$14.65		Cylliners
	 2½" Bore, add \$14.65 3" Bore, add \$26.15 MINI SWITCH TRACKS on all bore sizes Must specify track(s) for use with Bimba's miniature position sensing (T2, T3, T4 – Add \$2.50 per track. See 		Cymuers
	 page 140 for details. ROD WIPER (W) (Available on ¾", 1¼6" and 1½" bores) Double acting, add \$2.50 DXDE, add \$5.00 PIVOT BUSHING (Y)* 		Cylliners
th	 MOLYCOATED BODY (F) Add \$2.30 per inch of stroke NON-LUBE SERVICE (E) See corresponding standard Original Line bore size catalog page for pricing. 		UyIIIIuers
5	*Consult local distributor for pricing.		

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3/4" Bore Air Cylinders with Adjustable Cushions

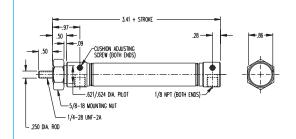
ORDE



DESCRIPTION/WEIGHT (lbs.)

Double Acting – Air Return – Front Nose Mounting Standard Stroke Lengths: 1", 1½", 2", 2½", 3", 4", 5", 6" Maximum Stroke – 12" Stainless Steel Rod Standard Optional Rod Wiper Optional Accessory: D-129 Mounting Bracket Base Weight: .24 Adder Per Inch of Stroke: .03

DIMENSIONS



*U.S. Patent nos. 4,794,681 and 4,862,786

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