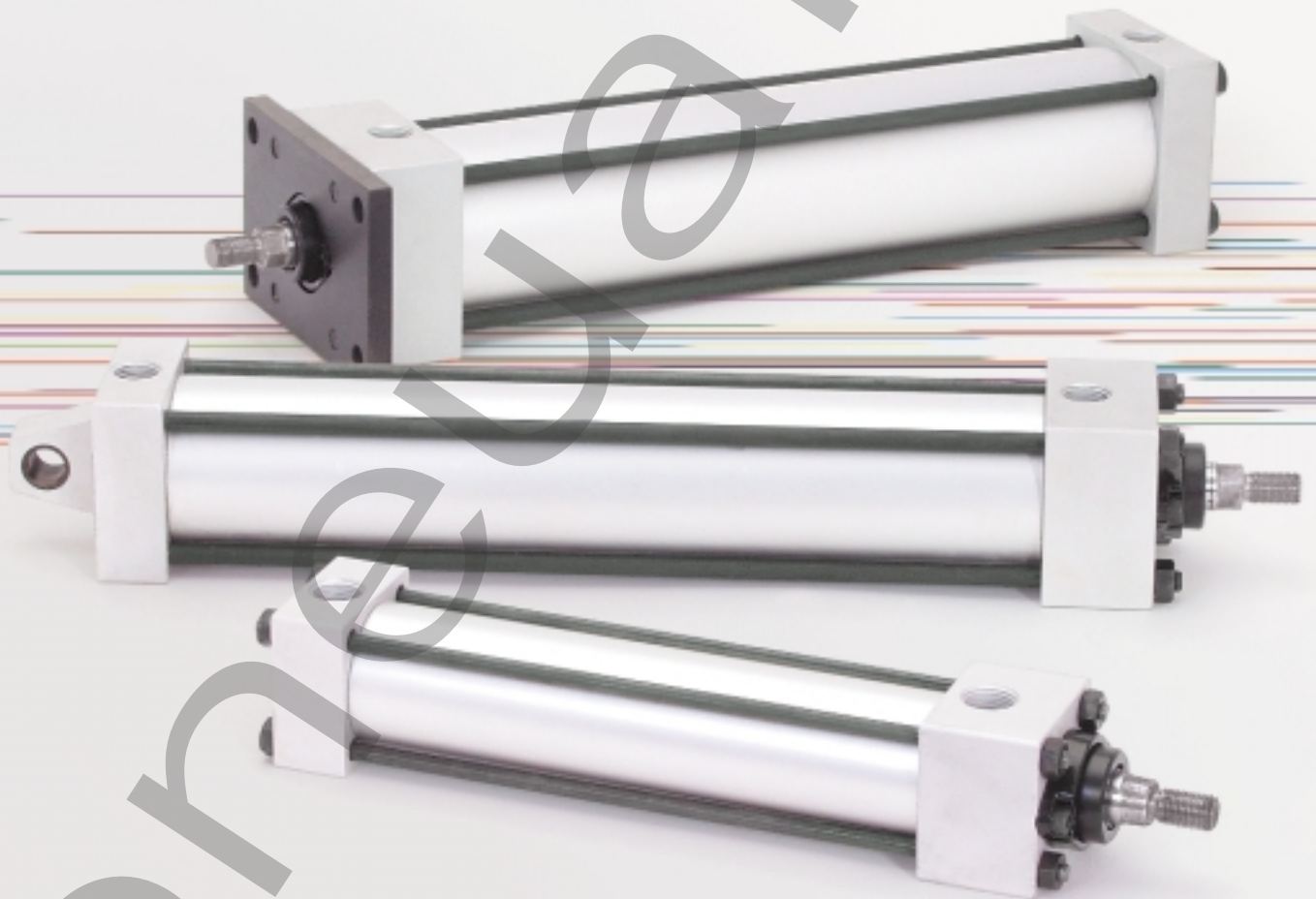


ORDER
ONLINE



Actuator Group

Cylinders



EQ Series
OEM NFPA Interchangeable

We're everywhere you need us to be!

EQ Series

OEM NFPA Interchangeable

General Technical Data

The **EQ Series** combines cost-effectiveness with proven dependability. It is a repairable OEM NFPA Interchangeable cylinder line that is specifically designed to give our customers an economical alternative. This Non-Lube air cylinder offers elasticity to tight design budgets without sacrificing quality. Furthermore, with most components in stock, the **EQ Series** is capable of meeting your rapid delivery requirements.

Standard Specifications:

- NFPA Interchangeable
- Single Rod and Double Rod
- Bore Sizes: 1-1/2", 2", 2-1/2", 3-1/4", and 4"
- Rod Diameters:
 - 5/8" – 1-1/2", 2", and 2-1/2"
 - 1" – 3-1/4" and 4"
- Ports (standard location is position 1)
 - 3/8 NPTF 1-1/2", 2" and 2-1/2"
 - 1/2 NPTF 3-1/4" and 4"
- Strokes: Up to 48"
- Pressure Rating: 250 PSIG
- Standard Fluid: Filtered Air
- Standard Temperature: -10° F to + 165° F
- Viton® Seals for high temperature service: -10° F to + 250° F (optional)
- Rod Ends: three standard, special rod threads optional
- Cushions: Adjustable as well as Fixed
- Mounting Styles: 17 Standard

Material

Component	Standard Material	Optional Material
Tube	Aluminum (File Hardened)	Composite
Piston Rod	Steel (Ground, Polished, and Chrome Plated)	Stainless Steel
Tie Rods	Steel	Stainless Steel
End Caps	Anodized Aluminum (Clear)	N/A
Piston	Aluminum	N/A
Bushing	Graphite-Filled Cast Iron	Bronze
Bushing Retainer	Aluminum	N/A
Rod Wiper	Polyurethane	Metallic Rod Scraper
Wearband	Graphite Filled Teflon	N/A
Rod Seal	Nitrile U-Cup	Viton® U-Cup
Piston Seal	Nitrile O-Ring	Viton® O-Ring
Tube End Seal	Nitrile O-Ring	Viton® O-Ring

Please reference the A Series catalog (NFPA Interchangeable) for accessories and dimensional information.

Viton® is a registered trademark of DuPont Dow Elastomers.



How To Order

X0 EQ L - 04 A 1 D - C AA 0

Cylinder Mounting

- X0 = Basic No Mount
- SN = Head Sleeve Nut
- F1 = Front Flange
- F2 = Rear Flange
- P1 = Fixed Clevis
- P2 = Detachable Clevis
- P3 = Fixed Eye
- P4 = Detachable Eye
- S1 = Angle Mount
- S2 = Side Lug
- S4 = Bottom Tapped
- T6* = Head Trunnion
- T7* = Cap Trunnion
- T8* = Mid Trunnion
- X1 = Extended Tie Rods (Both Ends)
- X2 = Cap Ext. Tie Rods
- X3 = Head Ext. Tie Rods

*Removable Trunnion Ears

Cylinder Type

- EQ = Type "EQ" Cylinder

Cylinder Bore

- K = 1.50
- L = 2.00
- M = 2.50
- P = 3.25
- R = 4.00

Full Inches of Stroke

- 00 = 0" Stroke
- 01 = 1" Stroke
- 02 = 2" Stroke
- 03 = 3" Stroke
- 48* = 48" Stroke (Maximum)

*Consult factory for strokes greater than 48".

Fractional Inches of Stroke

- A = 0" G = 3/8" M = 3/4"
- B = 1/16" H = 7/16" N = 13/16"
- C = 1/8" I = 1/2" O = 7/8"
- D = 3/16" J = 9/16" P = 15/16"
- E = 1/4" K = 5/8"
- F = 5/16" L = 11/16"

Rod End Code

- 1 = Style #1 Std. Male Threads
- 2 = Style #2 Opt. Male Threads
- 3 = Style #3 Std. Female Threads
- 4* = Style #4 Special Threads
- U = Male Coupling Rod End

*Special Rod Ends Must Be Specified

Magnetic Piston

- 0 = No Magnet
- 2 = For use with Universal Mount Switches (Reed or Electronic) or Standard Reed or Proximity Switch

Options

- AA = No Option
- BA*** = Bumpers, Both Ends
- BH*** = Bumper, Head Only
- BC*** = Bumper, Cap Only
- EB = Silencer Bumpers
- DA = Double Rod End
- LP = Profile Tubing
- CT = Composite Tube
- BZ = Bronze Busing
- MA = Metallic Rod Scraper
- SS = Stainless Rod & Tie Rods
- SA = Stainless Rod
- ST = Stainless Tie Rods
- VA** = Viton Seals
- 1A* = Rod Extension
- 2A* = Thread Extension
- 3A = Rod Stud

*Specify Length

**Viton® is not recommended for non-lube SVC

***Bumpers add .062" to OAL (per bumper)

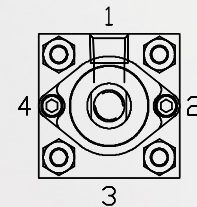
Adjustable Cushions

Position	1	2	3	4	Fixed
No Cushions	A	A	A	A	A
Head & Cap	B	C	D	E	Y
Head Only	F	G	H	J	W
Cap Only	K	L	M	N	V

Ports

Size Code

Position	1/8"	1/4"	3/8"	1/2"	3/4"
1	B	C	D	E	F
2	H	I	J	K	L
3	N	O	P	Q	R
4	T	U	V	W	X



Note: Non-standard port size and port locations require a price adder.

Rod End Styles, Diameters & Threads by Bore Size

Bore	Style #1 Std. Male Threads		Style #2 Opt. Male Threads		Style #3 Opt. Female Threads		Style #4 Special Threads		Male Coupling Rod Diameter
	Rod Dia.	Threads	Rod Dia.	Threads	Rod Dia.	Threads	Rod Dia.	Threads	
K	0.625	7/16-20	0.625	1/2-20	0.625	7/16-20	0.625	Specify	0.625
L	0.625	7/16-20	0.625	1/2-20	0.625	7/16-20	0.625	Specify	0.625
M	0.625	7/16-20	0.625	1/2-20	0.625	7/16-20	0.625	Specify	0.625
P	1.000	3/4-16	1.000	7/8-14	1.000	3/4-16	1.000	Specify	1.000
R	1.000	3/4-16	1.000	7/8-14	1.000	3/4-16	1.000	Specify	1.000

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