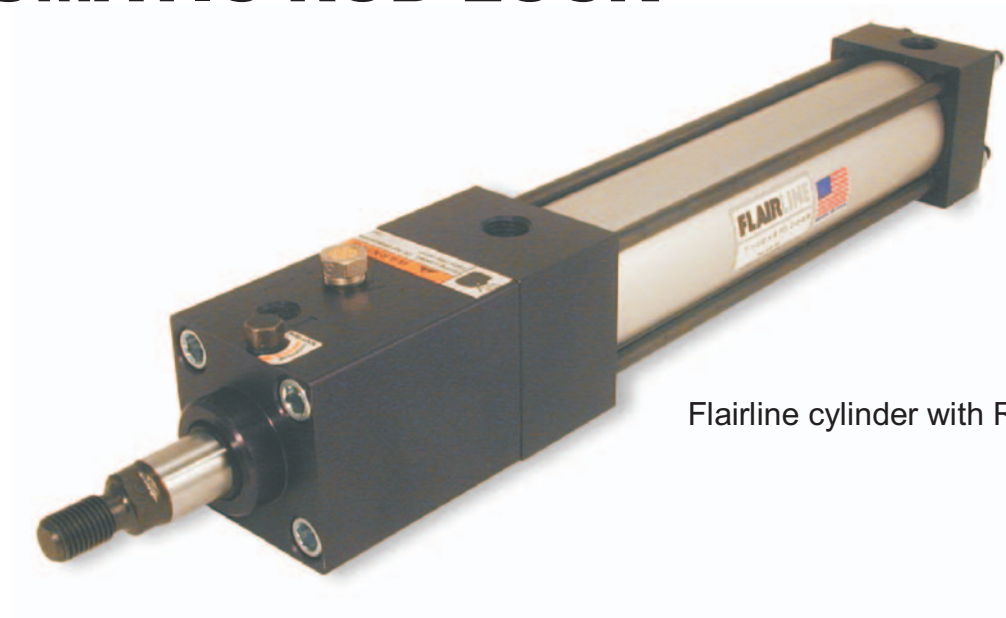


FLAIRLINE®

PNEUMATIC ROD LOCK



Flairline cylinder with Rod Lock*

Features

- Spring set, air released
- Bi-directional holding
- Large clamping surface
- IP67 rated (exceeds NEMA 4X)
- No rod displacement upon engagement
- 60 psi release pressure
- Black anodized exterior
- Minimal backlash
- Fast response time
- Suitable for infrequent dynamic braking (emergency stops)

*Models available with or without manual release feature

*Sizes to fit 1.50" to 8" bore NFPA cylinders

FLAIRLINE® FLUID / AIR PRODUCTS

23435 INDUSTRIAL PARK DRIVE

FARMINGTON HILLS

FAX (248) 478-3321

(248) 478-3330

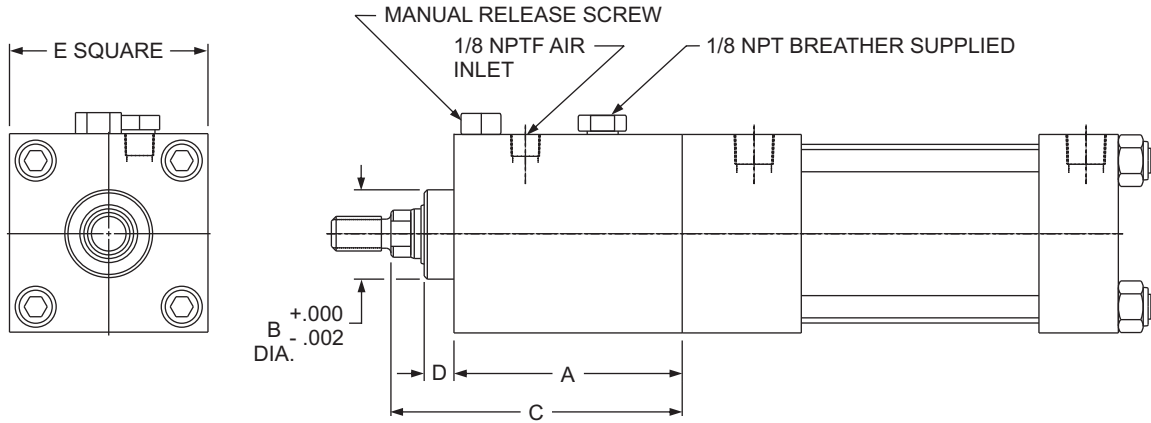
MI 48335

E-MAIL: flairline@acecontrols.com

WEB SITE: www.flairline.com

FLAIRLINE® FLUID / AIR PRODUCTS

23435 INDUSTRIAL PARK DRIVE FARMINGTON HILLS MI 48335
 FAX (248) 478-3321 (248) 478-3330
 E-MAIL: flairline@acecontrols.com WEB SITE: www.flairline.com



T, TL, TLS, TS SERIES CONSTRUCTION
 REFER TO CATALOG FL-16 FOR DIMENSIONS NOT SHOWN

BORE/ROD COMBINATION	RATED FORCE	MANUAL RELEASE TORQUE (FT-LBS)	*PART NUMBERS		DIMENSION					
			BASE	WITH MANUAL RELEASE OPTION	A STANDARD	A WITH MANUAL RELEASE OPTION	B	C	D	E
1.500/.625	180	2	LK1563	LK1563MR	2.400	2.625	1.124	3.375	.375	2.00
2.000/.625	314	5	LK2063	LK2063MR	2.440	2.875	1.124	3.625	.375	2.50
2.000/1.000	250	5	LK2010	LK2010MR	3.375	3.875	1.499	4.875	.500	2.50
2.500/.625	491	7	LK2563	LK2563MR	2.540	2.875	1.124	3.750	.500	3.00
2.500/1.000	491	7	N/A	LK2510MR	N/A	4.000	1.499	5.000	.500	3.00
3.250/1.000	830	17	LK3210	LK3210MR	4.000	4.500	1.499	5.500	.500	3.75
3.250/1.375	830	17	N/A	LK3213MR	N/A	4.875	1.999	6.125	.625	3.75
4.000/1.000	1256	45	LK4010	LK4010MR	4.000	4.875	1.499	5.875	.500	4.50
4.000/1.375	1256	45	LK4013	LK4013MR	4.188	5.125	1.999	6.500	.750	4.50
5.000/1.000	1963	72	LK5010	LK5010MR	4.438	5.375	1.499	6.375	.500	5.50
5.000/1.375	1963	72	LK5013	LK5013MR	4.188	5.750	1.999	7.125	.750	5.50
6.000/1.375	2830	135	LK6013	LK6013MR	5.340	6.375	1.999	7.750	.750	6.50
6.000/1.750	2830	135	LK6017	LK6017MR	N/A	6.875	2.374	8.750	.875	6.50
**8.000/1.375	5026	160	N/A	LK8013MR	N/A	6.625	1.999	8.250	.750	8.50
**8.000/1.750	5026	160	N/A	LK8017MR	N/A	7.125	2.374	9.000	.875	8.50

*Base locks are supplied without manual release option and have brushed aluminum finish. Locks with manual release option are supplied with black anodize coating.

**The 8 inch bore locks are held on with tie rods. Refer to catalog for clearance dimensions for the tie rod nuts.

Standard mounting configuration to tie rod cylinder requires head to be threaded (FC1 mount).

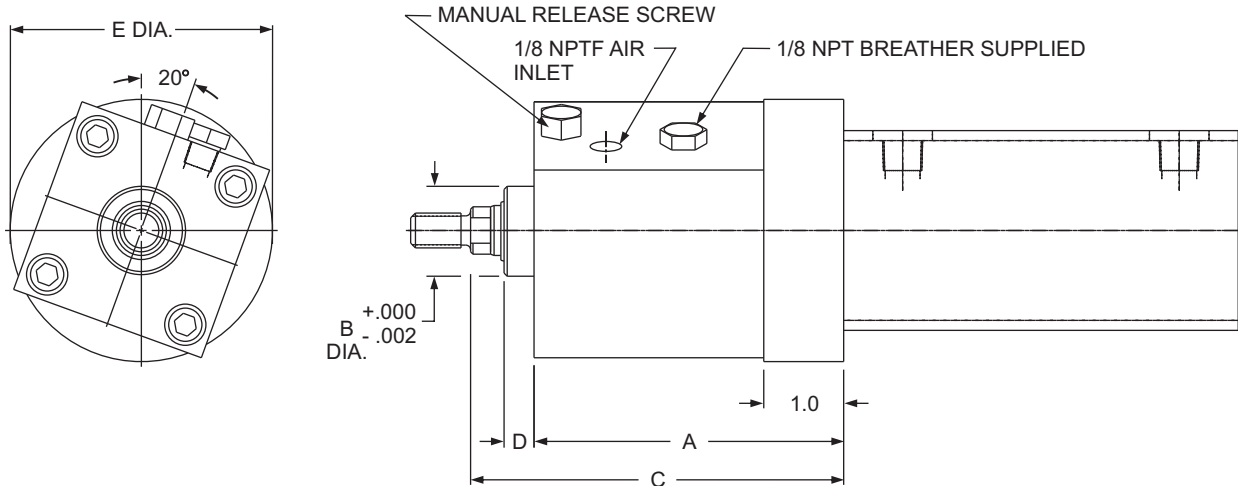
Not all NFPA mounting configurations will work with rod lock attached. Contact factory for questions regarding mount styles.

Rod locks used with low-friction style cylinders do not increase running friction of cylinders.

TO ORDER FLAIRLINE CYLINDERS WITH ROD LOCKS INSTALLED, THE ROD LOCK PART NUMBER MUST BE INCLUDED AT THE END OF THE STANDARD CYLINDER DESCRIPTION. EXAMPLE: TL 2-1/2 x 10, MP2, LK2563MR

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FI, OI, OILF SERIES CONSTRUCTION
 REFER TO CATALOG FL-32 FOR DIMENSIONS NOT SHOWN

BORE/ROD COMBINATION	RATED FORCE	MANUAL RELEASE TORQUE (ft-lbs)	*PART NUMBERS		DIMENSION					
			BASE	WITH MANUAL RELEASE OPTION	A STANDARD	A WITH MANUAL RELEASE OPTION	B	C	D	E
1.500/.625	180	2	LK1563AP	LK1563APMR	3.400	3.625	1.124	4.375	.375	2.84
2.000/.625	314	5	LK2063AP	LK2063APMR	3.440	3.875	1.124	4.625	.375	3.54
2.500/.625	491	7	LK2563AP	LK2563APMR	3.540	3.875	1.124	4.750	.500	4.25
3.250/1.000	830	17	LK3210AP	LK3210APMR	5.000	5.500	1.499	6.500	.500	5.31
4.000/1.000	1256	45	LK4010AP	LK4010APMR	5.000	5.875	1.499	6.875	.500	6.38

* Base locks are supplied without manual release option and have brushed aluminum finish. Locks with manual release option are supplied with black anodize coating. Adaptor plate is zinc coated.

To add rod locks to existing cylinders in the field please contact factory.

Not all NFPA mounting configurations will work with rod lock attached. Contact factory for questions regarding mount styles.

Rod locks used with low-friction style cylinders do not increase running friction of cylinders.

Rod locks can be used on different bore/rod combinations other than those listed. Contact factory with your requirements.

TO ORDER FLAIRLINE CYLINDERS WITH ROD LOCKS INSTALLED, THE ROD LOCK PART NUMBER MUST BE INCLUDED AT THE END THE STANDARD CYLINDER DESCRIPTION.

EXAMPLE: OILF 2-1/2 x 20, HC, MP4, LK2563APMR



ROD LOCK OPERATION AND PERFORMANCE SPECIFICATIONS

Flairline's Rod Locks are intended for static holding applications. They are suitable for infrequent dynamic braking although, repeated use as dynamic brake will cause wear in the unit and reduce holding forces.

If personal safety is required, an unrelated, redundant system is recommended.

All Flairline Rod Locks operate in both directions with same holding force.

Rod Lock is not intended for torsional braking. Damage to Rod Lock can occur under this condition.

The rated holding force corresponds to static load conditions, rod slip may occur if the rated value is exceeded.

Minimum release pressure is 60 P.S.I. May require up to 120 P.S.I. depending on load.

Standard operating temperature range is, 33°F to 150°F (Intermittent use to 210°F)

Rod Locks require clean, dry, pressure regulated air. Lubrication not required.

The rod must be kept clean and dry to maintain optimum performance.

The Rod Lock Manual Release allows the device to be unlocked while the air supply is cut off or not available. Using a socket or wrench, the manual release bolt should be turned clockwise to release the lock. The unit will re-lock when the bolt is returned to the lock position.

A flair for economy and availability.



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