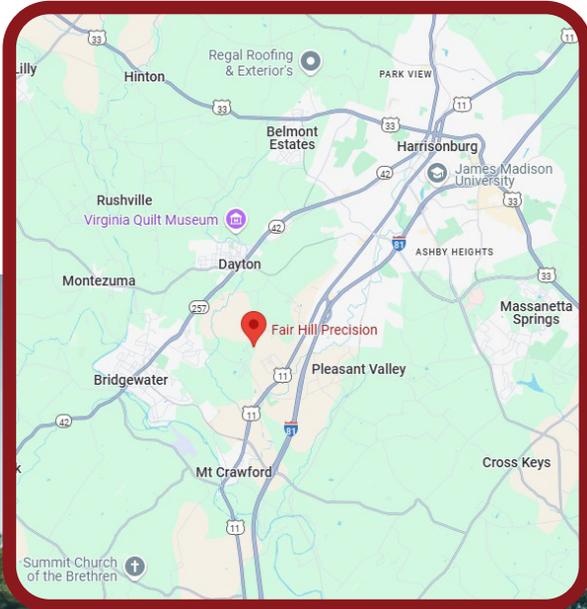




# FAIR HILL PRECISION

— A Virginia Distributor of Akaliko Global



 (540) 879-2373

 [FairHillPrecision.com](http://FairHillPrecision.com)

 4445 Lewis Byrd Rd,  
Harrisonburg, VA 22801





# FAIR HILL PRECISION MAKES CYLINDER ORDERING SIMPLE.

Quality Cylinders—Quick Quotes, Fast Shipping, Zero Hassle.

It only takes a few key dimensions to replace your old cylinders with confidence. We provide the tools and resources to make the process easy.

Akaliko stage cylinders come with a 1-year manufacturer's warranty. Built for performance under extreme conditions, they feature premium seals, fully chromed stages for maximum corrosion resistance, and a 2000 PSI maximum working pressure.



**FAIR HILL PRECISION DELIVERS VALUE WITH EVERY ORDER.**

Free shipping within 300 miles. Save 5% on 2 cylinders, 10% on 3 or more—plus an extra 10% off for local pickup.

Your success is our priority.

## INSTRUCTIONS ON HOW TO GET EACH CRITICAL DIMENSION:

**Number of stages:** A count of all the moving stages. This does not include the barrel on the very outside that remains stationary.

**Size of largest moving stage:** The size of the largest moving stage determines if the cylinder is a 5", 6", 7", 8", or 9" cylinder. This can be determined by using two squares. Hold them so that one of each leg is overlapping the other, making it easy to keep the other two legs parallel with each other. Slide over the largest stage and clamp the squares together. Remove the squares and measure the gap between the parallel legs. Alternatively use a diametrical tape.

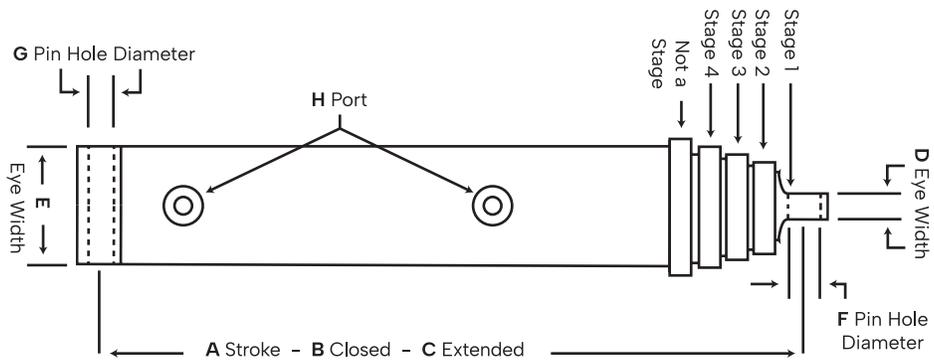
**Closed length:** This is the length from pin center to pin center with the cylinder fully retracted.

Fully retract the cylinder. Use a tape measure to measure from the center of the bottom pin to the center of the top pin.

**Pin diameter:** The diameter of the pin used on the extension side as well as the base side. Use a tape-measure to measure the diameter of the pins. Fair Hill Precision can manufacture custom bushings for undersize pins.

**Eye width:** The width of the eye that the pin goes through; both the extension side as well as the base side. Use a tape measure to determine the width of both, the lower and upper cylinder eyes. Fair Hill Precision can manufacture custom bushings if eye width is too narrow.

**Model Number:** The model number is not critical, but can be helpful in determining the size of the current cylinder.



### 5" Bore, 3 Stages

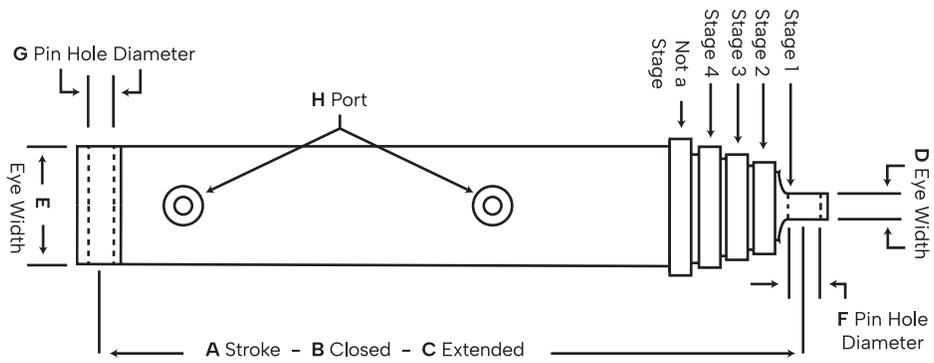
Part Number	A	B	C	D	E	F	G	H	Weight (lbs.)
AKP53-072-A	71.94	36.62	108.56	1.5	7	1.6	2.13	1" NPTF	155
AKP53-084-A	84.19	41.12	125.31	1.5	7	1.6	2.13	1" NPTF	171
AKP53-103-A	101.339	46.535	147.874	2.677	7.008	1.5	1.752	1" NPTF	207
AKP53-106-A	106.06	48.11	154.17	1.5	7	1.6	2.13	1" NPTF	208
AKP53-128-A	125.94	55.00	180.94	1.5	7	1.6	2.13	1" NPTF	227
AKP53-130-A	125.984	54.56	180.55	2	7	1.78	2.067	1" NPTF	234

### 6" Bore, 3 Stages

Part Number	A	B	C	D	E	F	G	H	Weight (lbs.)
AKP63-084-A	84.38	41	125.236	2	7	2.067	2.13	1" NPTF	208
AKP63-104-A	103.75	47.62	151.37	2	7	2.067	2.13	1" NPTF	241
AKP63-108-A	108.38	49	157.38	2	7	2.067	2.13	1" NPTF	250
AKP63-120-A	120.38	53	173.38	2	7	2.067	2.13	1" NPTF	278
AKP63-126-A	126.38	55	181.38	2	7	2.067	2.13	1" NPTF	286
AKP63-132-A	132.38	57	189.38	2	7	2.06	2.13	1" NPTF	290
AKP63-140-A	140.62	59.75	200.37	2	7	2.06	2.13	1" NPTF	307

### 6" Bore, 4 Stages

Part Number	A	B	C	D	E	F	G	H	Weight (lbs.)
AKP64-134-A	134.764	47.244	182.008	1.496	7.008	2.06	2.126	1" NPTF	291
AKP64-135-A	134.75	47.24	182.01	2.69	8	1.57	1.87	1" NPTF	272
AKP64-156-A	155.75	52.38	208.11	2.69	8	1.57	1.87	1" NPTF	302
AKP64-156-B	155.748	52.362	208.11	2.7	8	1.57	1.87	1" NPTF	319
AKP64-156-D	155.75	52.36	208.11	1.77	7.24	2.03	2.07	1" NPTF	319
AKP64-156-F	155.75	52.36	208.11	2.68	7.99	1.31	2.02	1" NPTF	319
AKP64-168-A	167.874	56.614	224.488	1.496	7.244	2.031	2.067	1" NPTF	171



## 7" Bore, 3 Stages

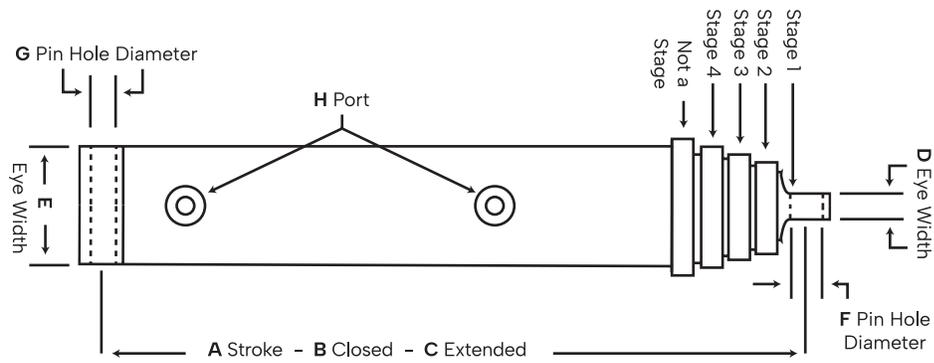
Part Number	A	B	C	D	E	F	G	H	Weight (lbs.)
AKP73-110-A	108.94	49.88	158.81	2	8.63	2.1	2.13	1" NPTF	318
AKP73-118-A	117.19	52.559	169.764	2	8.63	2.1	2.13	1" NPTF	332
AKP73-120-A	118.78	53.15	171.93	2.01	8.63	2.1	2.13	1" NPTF	372
AKP73-127-A	124.646	55.13	181.31	2	8.63	2.1	2.13	1" NPTF	352
AKP73-140-A	139.33	60	199.33	2.01	8.63	2.1	2.13	1" NPTF	414
AKP73-142-A	141.19	60.551	201.732	2	8.63	2.1	2.13	1" NPTF	380
AKP73-151-A	150.19	63.58	213.78	2	8.63	2.1	2.13	1" NPTF	407

## 7" Bore, 4 Stages

Part Number	A	B	C	D	E	F	G	H	Weight (lbs.)
AKP74-120-A	120.866	44.75	165.63	2	8.63	2.1	2.13	1" NPTF	309
AKP74-135-A	134.69	48.25	182.94	2	8.63	2.1	2.13	1" NPTF	330
AKP74-140-A	139.69	49.5	189.19	2	8.62	2.1	2.13	1" NPTF	346
AKP74-156-A	155.20	53.38	208.58	2	8.63	2.1	2.13	1" NPTF	373
AKP74-161-A	160.20	54.63	214.803	2	8.62	2.1	2.13	1" NPTF	384
AKP74-167-A	166.69	56.25	222.95	2	8.63	2.1	2.13	1" NPTF	395
AKP74-180-A	179.96	59.5	239.449	2	8.63	2.1	2.13	1" NPTF	415

## 8" Bore, 4 Stages

Part Number	A	B	C	D	E	F	G	H	Weight (lbs.)
AKP84-148-A	145	51.5	196.5	2	9.5	2.1	2.13	1" NPTF	451
AKP84-156-A	154.016	53.74	207.756	2	9.5	2.1	2.13	1" NPTF	474
AKP84-161-A	157.5	54.92	212.38	2	9.5	2.1	2.13	1" NPTF	483
AKP84-170-A	167	57	224	2	9.5	2.1	2.13	1" NPTF	504
AKP84-180-A	176.5	59.5	236	2	9.5	2.1	2.13	1" NPTF	527



## 8" Bore, 5 Stages

Part Number	A	B	C	D	E	F	G	H	Weight (lbs.)
AKP85-170-A	168.63	49.88	218.5	2	9.5	2.1	2.13	1" NPTF	462
AKP85-190-A	188.63	53.88	242.5	2	9.5	2.1	2.13	1" NPTF	500
AKP85-200-A	198.62	55.88	254.5	2	9.5	2.1	2.13	1" NPTF	519
AKP85-220-A	218.63	59.88	278.5	2	9.5	2.1	2.13	1" NPTF	554
AKP85-235-A	235	65	300	2	9.5	2.1	2.13	1" NPTF	611
AKP85-250-A	249.25	68	317.25	2	9.5	2.1	2.13	1" NPTF	655
AKP85-265-A	263.78	70.88	334.646	2	9.5	2.1	2.13	1" NPTF	664
AKP85-265-B	264.25	74.38	338.63	2	9.5	2.1	2.13	1" NPTF	710
AKP85-280-A	279.528	77.5	357.047	2	9.5	2.1	2.13	1" NPTF	746
AKP85-285-A	284.25	78.5	362.75	2	9.5	2.1	2.13	1" NPTF	758

## 9" Bore, 5 Stages

Part Number	A	B	C	D	E	F	G	H	Weight (lbs.)
AKP95-220-A	219.63	60.88	280.5	2	10.69	2.1	2.13	1" NPTF	723
AKP95-235-A	232.75	65	297.75	2	10.69	2.1	2.13	1" NPTF	783
AKP95-250-A	249.88	72.63	322.5	2	10.69	2.1	2.13	1" NPTF	891
AKP95-265-A	264.88	75.63	340.5	2	10.69	2.1	2.13	1" NPTF	934
AKP95-280-A	279.88	78.63	358.5	2	10.69	2.1	2.13	1" NPTF	956
AKP95-300-A	299.88	82.63	382.5	2	10.69	2.1	2.13	1" NPTF	1002
AKP95-320-A	319.882	86.614	406.496	2.008	10.69	2.1	2.13	1" NPTF	1263
AKP95-340-A	338.94	90.43	429.37	2	10.69	2.1	2.13	1" NPTF	1078

\*A-H Dimensions in Inches

**IMPORTANT NOTICE:** We are not responsible for inaccurate measurements. For a cylinder return to be accepted, it must be received in like new condition. Returns are subject to a 15% restocking fee. No returns accepted after 15 days. Your signature on the work order acknowledges the measurements are accurate.

# WORK ORDER:

Fair Hill Precision, 4445 Lewis Byrd Road, Harrisonburg, VA 22801

Date: \_\_\_\_\_ PO #: \_\_\_\_\_

Target Ship Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Billing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Office Phone Number: (\_\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_\_) \_\_\_\_\_

Cell Number: (\_\_\_\_\_) \_\_\_\_\_ Email: \_\_\_\_\_

Shipping Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Quantity:	Model Number:	Price Quote & Applicable Tax:
_____	_____	\$ _____
_____	_____	\$ _____
_____	_____	\$ _____
_____	_____	\$ _____
_____	_____	\$ _____
_____	_____	\$ _____

Free shipping within 300 miles of Fair Hill Precision.  
10% discount for FOB during business hours. Not Applicable for after-hour emergencies.  
After-hour emergency labor charge is 1.5x the standard hourly rate, with a 1-hour minimum charge.

## PAYMENT OPTIONS:

Visa, MasterCard, Discover : \_\_\_\_\_

Exp. Date: \_\_\_\_\_ 3-Digit Code: \_\_\_\_\_ Name: \_\_\_\_\_

For Electronic Transfer Call (540) 879-2373

Your signature acknowledges that the information and measurements are accurate.

Authorized Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_