



## Round Body Design Pneumatic Cylinders

### SR/SRM, SRD/SRDM Series, Stainless Steel Body

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**SR Series**

**STAINLESS STEEL PISTON RODS**  
Corrosion resistant stainless steel is now the standard piston rod material for all bore sizes up to and including 1.50 inch bore at no additional cost. The only exception to the stainless steel standard is when a hollow rod or non-rotating hexagonal rod option is specified. Stainless steel is also the standard material on block, trunnion and KDX mounts.

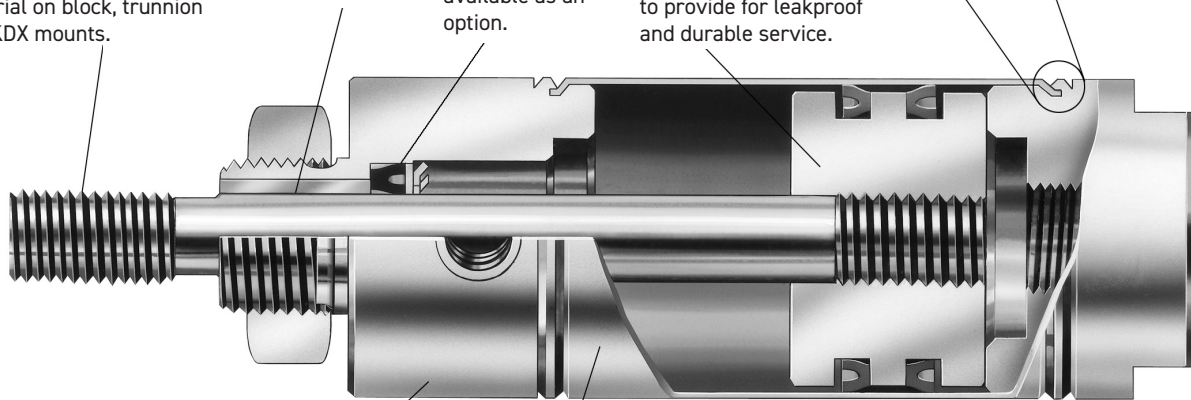
**PRE-LUBRICATION**  
All SR Series cylinders are factory prelubricated for use with or without added lubrication.

**ROD BUSHINGS**  
Oil impregnated bronze, reamed to a close tolerance provides for smooth operation and long life.

**SEALS**  
All piston and rod seals are of a lipseal construction. Buna-N is standard on all models. Fluorocarbon seals are available as an option.

**PISTON BODY**  
Pistons are precision machined aluminum construction. Piston rod connections are threaded and loctited to provide for leakproof and durable service.

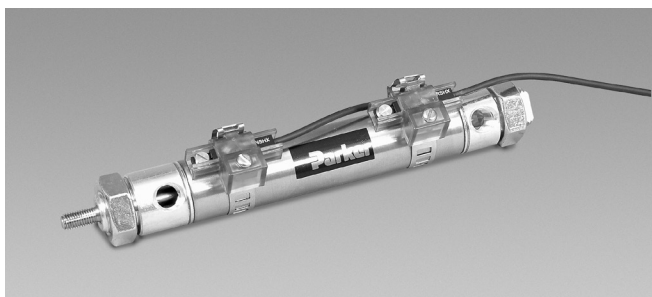
**UNITIZED CONSTRUCTION**  
Precision double-rolled unitized construction provides durable, leak-proof service and long life.



**HEADS AND CAPS**  
Aluminum construction with precision machining provides a smooth break away. The tube-to-head connection is a strong double rolled construction.

**CYLINDER TUBE**  
Type 304 stainless steel, polished to a micro-inch finish on the I.D. provides low friction and long life. A matte finish on the O.D. provides smudge resistance.

**TWELVE BORE SIZES - 5/16" thru 3".**  
SR Series cylinders are designed to be dimensionally interchangeable with other major stainless steel cylinders.



**SRM Series**

The SRM Series air cylinder can be ordered with reed or solid state sensors that are easily adjustable anywhere on the cylinder body, with no special mounting rail required. Nitrile-barium particle composite surrounds the entire piston diameter for non-contact sensing.

Sensors are compatible with Programmable Controllers; an LED indicator is also standard. A shielded cable is standard, and can be extended to 32 feet maximum by the user.



**SRD/SRDM Series**

SRD/SRDM Series cylinders are designed to withstand a wide range of operating environments to tolerate moisture and many types of lubricants and solvents. The cylinders have a acetal resin head and cap, an anodized aluminum piston, stainless steel cylinder tube and stainless steel piston rod. Stainless steel accessories are available.

C	Round Body Pneumatic Cylinders
	SR/SRM/SRD/SRDM Series
	SRG/SRGM Series
	P1A Series
	P Series



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

## Features

- 304 stainless steel cylinder body, non repairable construction
- Aluminum heads and caps, acetal resin heads and caps are optional
- 12 bore sizes — 5/16" through 3" (see dimensional tables for SRM and SRD/SRDM exclusions).
- Stainless steel piston rods are standard up to 1.50" bore
- 28 standard mounting styles (not all available on SRM and SRD/SRDM – see table on following page)
- Single and double acting
- Adjustable cushions optional on both ends



### Operating information

Operating pressure: 250 PSIG (17 bar) for SR and SRM  
100 PSIG (7 bar) for SRD/SRDM

Temperature range: -10°F to 165°F (-23°C to 74°C) for SR  
14°F to 140°F (-10°C to 60°C) for SRM  
32°F to 160°F (0°C to 71°C) for SRD/SRDM

Filtration requirements: 40 micron, dry filtered air

## Ordering information

<b>1.06</b>	<b>C</b>	<b>D</b>	<b>SR</b>	<b>B</b>	<b>V</b>	<b>C</b>	<b>2.00</b>																																																					
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<sup>1</sup> Bore sizes and mounting styles are limited by series. See table on next page for availability.

<sup>2</sup> Cushions not available on SRD/SRDM series, only available on D, DP, DXP mounts, reference page C31.

<sup>3</sup> Bumpers may increase cylinder length. Please reference page C30 for adders.

<sup>4</sup> Fluorocarbon seals only available on SRM/

SRDM series for chemical compatibility, not high heat.

<sup>6</sup> Magnet not available on bore sizes .31, .44, .88

<sup>7</sup> Not available with cushions.

<sup>8</sup> Not available on bore size 3.0

<sup>9</sup> Not available on bore sizes .31, .44 and .56

For ordering purposes, when special options or common modifications are requested, the factory will assign a sequential part number in place of the model number.



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**Available Mounting Styles**

Mount Style	Description	Bore Size (Reference Notes 1 & 2 for availability)											Max. Stroke (in.)	
		5/16" <small>(1,2)</small>	7/16" <small>(1,2)</small>	9/16"	3/4"	7/8" <small>(1,2)</small>	1-1/16"	1-1/4" <small>(2)</small>	1-1/2" <small>(2)</small>	1-3/4"	2" <small>(2)</small>	2-1/2" <small>(2)</small>		3" <small>(1,2)</small>
N <sup>(2)</sup>	Nose Mount, Spring Return										s	—	—	6" <sup>(3)</sup>
NR <sup>(2)</sup>	Nose Mount, Spring Return, Hex Rod (Non-Rotating)	—									—	—	—	6"
NRP <sup>(2)</sup>	Pivot And Nose Mount, Spring Return, Hex Rod (Non-Rotating)	—									—	—	—	6"
P <sup>(2)</sup>	Pivot Mount, Spring Return										s	—	—	6"
R <sup>(2)</sup>	Nose Mount, Spring Extended										s	—	—	6"
RP <sup>(2)</sup>	Pivot And Nose Mount, Spring Extend									—	s	—	—	6"
D	Nose Mount, Double Acting													12"
DP <sup>(2)</sup>	Pivot And Nose Mount, Double Acting, Pivot Pin	—		—		—		—		—	—	—	—	12"
DXP	Pivot And Nose Mount, Double Acting, No Pivot Pin													See Note 4
DX	Threaded Both Ends, Double Acting	—	See DXP	See DXP	See DXP	See DXP	See DXP	See DXP		—	See DXP	—	—	32"
KDX	Threaded Both Ends, Double Acting, Double Rod	—												See Note 5
KDXH <sup>(2)</sup>	Threaded Both Ends, Double Rod, Hollow Rod	—	—	—	—	—				—	—	—	—	12"
A <sup>(1,2)</sup>	Nose Mount, Spring Return, Head Adjustable Stroke	—	—	—		—		—		—	—	—	—	6"
RA <sup>(1,2)</sup>	Nose Mount, Spring Extend, Cap Adjustable Stroke	—	—	—		—		—		—	—	—	—	6"
AP <sup>(1,2)</sup>	Pivot Mount, Spring Return, Head Adjustable Stroke	—	—	—		—		—		—	—	—	—	6"
AR <sup>(1,2)</sup>	Air Reservoirs	—	—	—		—		—		—	—	—	—	12"
BRN <sup>(2)</sup>	Rear Block Mount, Single Acting,	—		—		—		—		—	—	—	—	6"
BRR <sup>(2)</sup>	Rear Block Mount, Single Acting, Spring Return	—	—	—		—		—		—	—	—	—	6"
BFD <sup>(2)</sup>	Front Block Mount, Double Acting			—		—		—		—	—	—	—	12"
BRD <sup>(2)</sup>	Rear Block Mount, Double Acting	—		—		—		—		—	—	—	—	12"
BFN <sup>(2)</sup>	Front Block Mount, Single Acting Spring Return	—		—		—		—		—	—	—	—	6"
BFR <sup>(2)</sup>	Front Block Mount, Single Acting Spring Extend	—	—	—		—		—		—	—	—	—	6"
TRN <sup>(2)</sup>	Rear Trunnion Mount, Single Acting, Spring Return	—		—		—		—		—	—	—	—	6"
TRR <sup>(2)</sup>	Rear Trunnion Mount, Single Acting Spring Extend	—	—	—		—		—		—	—	—	—	6"
TFD <sup>(2)</sup>	Front Trunnion Mount, Double Acting	—		—		—		—		—	—	—	—	12"
TRD <sup>(2)</sup>	Rear Trunnion Mount, Double Acting	—		—		—		—		—	—	—	—	12"
TFN <sup>(2)</sup>	Front Trunnion Mount, Single Acting Spring Return	—		—		—		—		—	—	—	—	6"
TFR <sup>(2)</sup>	Front Trunnion Mount, Single Acting Spring Extend	—	—	—		—		—		—	—	—	—	6"

- s Recommended maximum stroke is 4" in models N, P, R & RP.
- 1 Not available on SRM (magnetic piston) cylinders.
- 2 Not available on SRD/DM (acetal resin caps) cylinders.
- 3 Recommended maximum stroke is 4" for 5/16" bore models.
- 4 Max stroke 12" for bore sizes under 3/4"; 32" for bore sizes 3/4" and up.
- 5 Max stroke 6" for bore sizes under 3/4"; 12" for bore sizes 3/4" and up.

**C**  
**Round Body Pneumatic Cylinders**  
**SR/SRM/SRD/SRDM Series**  
**SRG/SRGM Series**  
**PIA Series**  
**P Series**



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**Specifications**

- 304 stainless steel cylinder body.
- Aluminum heads and caps.
- Stainless steel piston rods are standard up to 1.50" bore.
- Nominal pressure rating: 250 psi for SR and SRM  
100 psi for SRD/SRDM
- Standard temperature: -10°F to 165°F (SR)  
14°F to 140°F (SRM)  
32°F to 160°F (SRD/SRDM)  
-10°F to 250°F (Fluorocarbon seals)

In line with our policy of continuing product improvement, the specifications in this catalog are subject to change without notice.

- Twelve bore sizes – 5/16" through 3" (see table for SRD/SRDM or SRD/M exclusions).
- 28 standard mounting styles (not all available on SRM and SRD/SRDM – see table on previous page).
- Single and double acting
- Bumpers
- Adjustable cushions
- Rod wipers

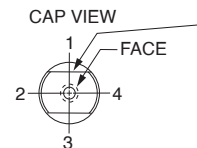
For additional mounting styles please consult factory.

**Port Locations**

Mounting Style	Standard Head Port Location	Standard Cap Port Location	Standard Vent Location
AR	Face	Face	None
BFR	2	None	2
BFN	None	Face	2
BRD	2	2	None
BFD	2	Face	None
BRR	2	None	2
BRN	None	2	2
TFR	1	None	1
TFN	None	Face	1
TRD	1	1	None
TFD	1	Face	None
TRR	1	None	1
TRN	None	1	1
AP	None	2	2
RA	2	None	2
A	None	Face	2
KDXH	2	2	None
KDX	2	2	None
DX	2	2	None
DXP	2	2	None
DP	2	2	None
D	2	Face	None
RP	2	None	2
R	2	None	2
P	None	2	2
NRP	None	2	2
NR	None	Face	2
N	None	Face	2

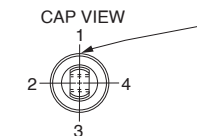
**End View of Mountings for Port Location**

**Mounting Styles N, NR, D, R, AR**



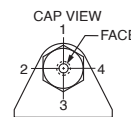
Standard location for cushion adjustment needle when cushions are specified on D mounts.

**Mounting Styles P, RP, DXP, NRP, DP, AP**

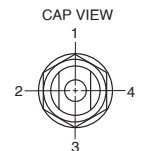


Standard location for cushion adjustment needle when cushions are specified on DXP mounts.

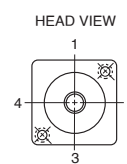
**Mounting Style A**



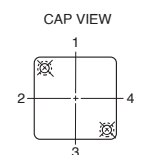
**Mounting Style RA**



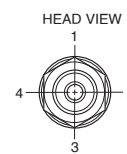
**Mounting Styles BFD, BFN, BFR**



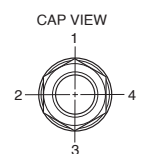
**Mounting Styles BRN, BRR, BRD**



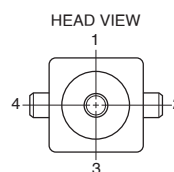
**Mounting Styles KDXH, KDX**



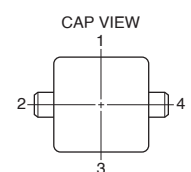
**Mounting Style DX**



**Mounting Styles TFD, TFN, TFR**



**Mounting Styles TRN, TRR, TRD**



Cylinders will have ports at these locations unless otherwise specified.



Round Body  
Pneumatic Cylinders

SR/SRM/SRD/SRDM  
Series

SRG/SRGM  
Series

P1A  
Series

P  
Series



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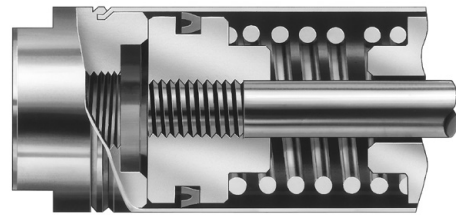
Port Size – Rod Diameter, Spring Force Data

Bore Size	Port Size	Rod Diameter (or Hex)	Force Factor		Spring Return (lbs)		Spring Extend (lbs)	
			Push	Pull	Normal	Extended	Normal	Retracted
.31 (5/16")	#10-32	1/8"	0.08	0.06	0.5	1	0.5	1
.44 (7/16")	#10-32	3/16"	0.15	0.12	1	2	1	2
.56 (9/16")	#10-32	3/16"	0.25	0.22	2	4	2	4
.75 (3/4")	1/8 NPTF	1/4"	0.44	0.39	3	6	3	6
.88 (7/8")	1/8 NPTF	1/4"	0.60	0.55	3	6	3	6
1.06 (1-1/16")	1/8 NPTF	5/16**	0.89	0.81	3†	6†	7.5	15
1.25 (1-1/4")	1/8 NPTF	7/16"	1.23	1.08	7.5	15	7.5	15
1.50 (1-1/2")	1/8 NPTF	7/16"	1.77	1.62	6†	12†	9	18
1.75 (1-3/4")	1/4 NPTF	1/2"	2.40	2.21	11	24	11	24
2.00 (2")	1/4 NPTF	5/8"	3.14	2.84	15	30	15	30
2.50 (2-1/2")	1/4 NPTF	5/8"	4.91	4.60	N/A	N/A	N/A	N/A
3.00 (3")	3/8 NPTF	3/4"	7.07	6.63	N/A	N/A	N/A	N/A

\* Non-rotating version uses 3/8" hex.

† Block mount and trunnion mount spring return lbs. equals spring extend lbs.

**Springs** – shot peened music wire for high cycle life. Spring spacers are provided for every one inch of stroke (1/2" for 5/16" and 7/16" bores) to insure uniform spring rate and prevent spring failure.



Option Availability

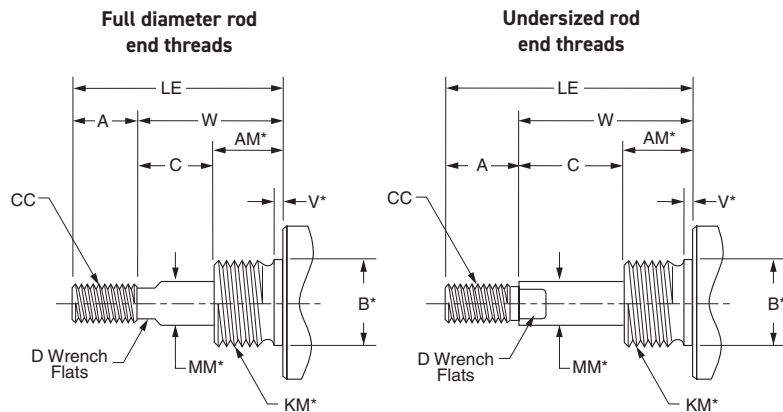
Option	Bumpers	Fluorocarbon Seals	Rod Wipers	Cushions	Acetal Resin end Caps
Bumpers	–	u	u	X	u
Fluorocarbon Seals	–	–	X	S	u
Rod Wiper	–	–	–	u	u
Cushions	–	–	–	–	X

u = Available Options  
S = Available as Special  
X = Not Available

C Round Body Pneumatic Cylinders  
SR/SRM/SRD/SRDM Series  
SRG/SRGM Series  
P1A Series  
P Series

**Non-Standard Rods**

For non-standard rod dimensions, or undersized rod end threads, put a "3" in model number and describe the rod using the letters shown in the drawing. Specify CC, LE and A dimensions. LE is measured in retracted position.

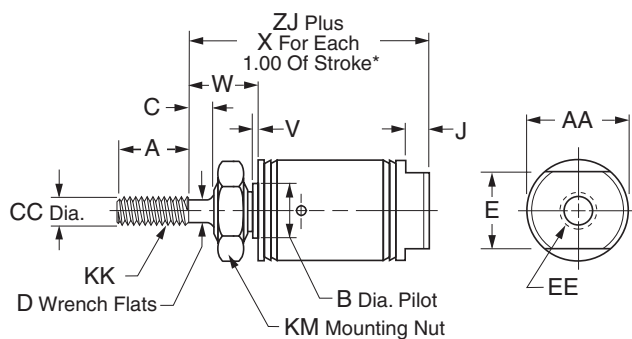


\* Requires an S designation in model number.

**Style N**

**Nose mount, spring return**

Bore Size	SR	SRM	Std. Strokes (in)	Max.. Stroke (in)	SS Rod Std
5/16"	•		1/2, 1, 1-1/2, 2, 2-1/2, 3, 4	4	3
7/16"	•		1/2, 1, 1-1/2, 2, 2-1/2, 3, 4	6	3
9/16"	•	•	1/2, 1, 1-1/2, 2, 3, 4	6	3
3/4"	•	•	1/2, 1, 1-1/2, 2, 3, 4	6	3
7/8"	•		1/2, 1, 1-1/2, 2, 3, 4	6	3
1-1/16"	•	•	1/2, 1, 1-1/2, 2, 3, 4	6	3
1-1/4"	•	•	1/2, 1, 2, 3, 4	6	3
1-1/2"	•	•	1/2, 1, 2, 3, 4	6	3
1-3/4"	•	•	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4	6	
2"	•	•	-	4	



Bore Size	A	AA	B	C	CC	D	E	EE	J	KK	KM	V	W	X	SR ZJ	SRM ZJ
5/16"	0.38	0.36	-	-	0.125	-	0.36	#10-32	-	#5-40 UNC 1/4-28	0	0.25	0.75**	1.12	-	
7/16"	0.50	0.50	0.374	-	0.188	-	0.38	#10-32	0.19	#10-32 UNF	3/8-24	0.05	0.31	0.94**	1.31	-
9/16"	0.50	0.62	0.437	-	0.188	-	0.50	#10-32	0.19	#10-32 UNF	7/16-20	0.06	0.38	1.62	1.53	1.76
3/4"	0.50	0.81	0.499	-	0.250	-	0.62	1/8 NPTF	0.19	1/4-28 UNF	1/2-20	0.09	0.44	1.69	1.50	1.75
7/8"	0.50	0.93	0.624	-	0.250	-	0.62	1/8 NPTF	0.19	1/4-28 UNF	5/8-18	0.09	0.50	1.56	1.84	-
1-1/16"	0.50	1.12	0.624	0.12	0.312	0.25	0.88	1/8 NPTF	0.19	5/16-24 UNF	5/8-18	0.09	0.62	1.56	2.06	2.31
1-1/4"	0.75	1.34	0.749	0.25	0.437	0.38	0.88	1/8 NPTF	0.25	7/16-20 UNF	3/4-16	0.09	0.88	1.81	2.66	2.78
1-1/2"	0.75	1.56	0.749	0.25	0.437	0.38	0.88	1/8 NPTF	0.25	7/16-20 UNF	3/4-16	0.09	0.88	1.69	2.44	2.69
1-3/4"	0.88	1.84	1.031	0.31	0.500	7/16	1.25	1/4 NPTF	0.25	1/2-20 UNF	1-14	0.09	1.06	2.0	2.97	3.22
2"	0.88	2.08	1.374	0.38	0.625	0.50	1.25	1/4 NPTF	0.31	1/2-20 UNF	1-1/4 †	0.12	1.19	-	s	s

s SR: 5.41" for 1" stroke, 7.41" for 2" stroke, 8.66" for 3" stroke, 11.59" for 4" stroke.  
SRM: 5.66" for 1" stroke, 7.66" for 2" stroke, 8.91" for 3" stroke, 11.84" for 4" stroke.

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

\*\* For each 0.50" of stroke

† No mounting nut

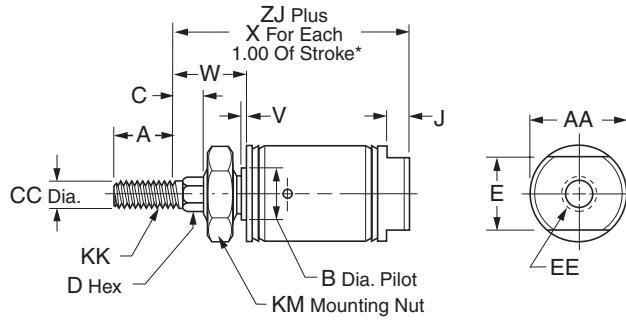


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

**Round Body Pneumatic Cylinders**  
**SR/SRM/SRD/SRDM Series**  
**SRG/SRGM Series**  
**P1A Series**  
**P Series**

Style NR

Nose mount, spring return, hex rod



Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std
7/16"	·		1/2, 1, 1-1/2, 2, 3, 4	6	3
9/16"	·	·	1/2, 1, 1-1/2, 2, 3, 4	6	3
3/4"	·	·	1/2, 1, 1-1/2, 2, 3, 4	6	3
7/8"	·		1/2, 1, 1-1/2, 2, 3, 4	6	3
1-1/16"	·	·	1/2, 1, 1-1/2, 2, 3, 4	6	3
1-1/4"	·	·	1, 2, 3, 4	6	3
1-1/2"	·	·	1/2, 1, 2, 3, 4	6	3
1-3/4"	·	·	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4	6	

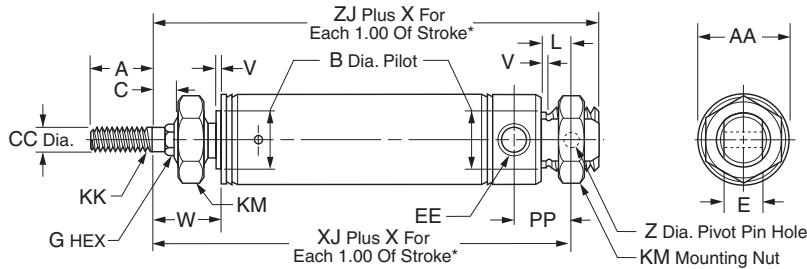
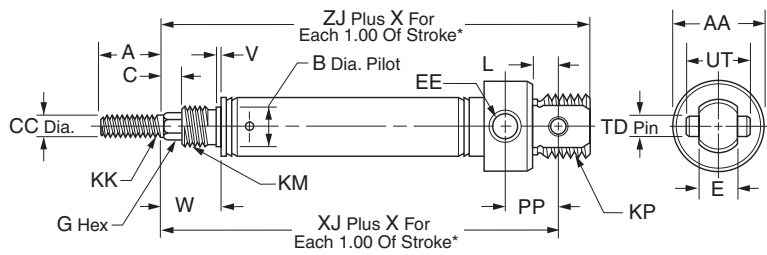
Bore Size																SR	SRM
	A	AA	B	C	CC	D	E	EE	J	KK	KM	V	W	X	ZJ	ZJ	
7/16"	0.50	-	0.374	0.25	0.188	3/16	-	#10-32	0.19	#10-32 UNF	3/8-24	0.05	0.56	0.94	1.56	-	
9/16"	0.50	-	0.437	0.25	0.188	3/16	-	#10-32	0.19	#10-32 UNF	7/16-20	0.06	0.62	1.62	1.78	2.03	
3/4"	0.50	-	0.499	0.25	0.250	1/4	-	1/8 NPTF	0.19	1/4-28 UNF	1/2-20	0.09	0.69	1.69	1.75	2.00	
7/8"	0.50	-	0.624	0.25	0.250	1/4	-	1/8 NPTF	0.19	1/4-28 UNF	5/8-18	0.09	0.75	1.56	2.09	-	
1-1/16"	0.50	1.12	0.624	0.25	0.312	3/8	0.88	1/8 NPTF	0.19	5/16-24 UNF	5/8-18	0.09	0.75	1.56	2.19	2.44	
1-1/4"	0.88	1.34	0.749	0.25	0.437	7/16	0.88	1/8 NPTF	0.25	7/16-20 UNF	3/4-16	0.09	0.88	1.81	2.66	2.78	
1-1/2"	0.88	1.56	0.749	0.38	0.437	7/16	0.88	1/8 NPTF	0.25	7/16-20 UNF	3/4-16	0.09	1.00	1.69	2.56	2.81	
1-3/4"	0.88	1.84	1.031	0.38	0.500	1/2	1.25	1/4 NPTF	0.25	1/2-20 UNF	1-14	0.09	1.12	2.0	3.03	3.28	

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.



Style NRP

Pivot & nose mount, spring return, hex rod



Bore Sizes

7/16" \*

3/4"

\* No mounting nuts

Bore Sizes

9/16" \*

7/8" \*

1-1/16" \*

1-1/4"

1-1/2" \*

1-3/4"

\* No mounting nuts

Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	C	CC	E	EE
7/16"	•		1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	0.74	0.374	0.25	0.188	0.31	#10-32
9/16"	•	•	1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	0.62	0.437	0.25	0.188	0.31	#10-32
3/4"	•	•	1, 2, 3, 4	6	3	0.50	0.86	0.499	0.25	0.250	0.38	1/8 NPTF
7/8"	•		1, 2, 3, 4	6	3	0.50	0.93	0.624	0.25	0.250	0.38	1/8 NPTF
1-1/16"	•	•	1, 2, 3, 4	6	3	0.50	1.12	0.624	0.25	0.312	0.38	1/8 NPTF
1-1/4"	•	•	1, 2, 3, 4	6	3	0.88	1.34	0.749	0.25	0.437	0.50	1/8 NPTF
1-1/2"	•	•	1, 2, 3, 4	6	3	0.88	1.56	0.749	0.38	0.437	0.62	1/8 NPTF
1-3/4"	•	•	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4	6		0.88	1.84	1.031	0.38	0.500	0.62	1/4 NPTF

Bore Size	G HEX	KK	KM	KP	L	PP	TD	UT	V	W	X	SR			SRM		
												XJ	XJ	Z	ZJ	ZJ	ZJ
7/16"	3/16	#10-32 UNF	3/8-24	7/16-20 UNF	0.25	0.44	0.156	0.50	0.05	0.56	0.94	2.00	-	-	2.25	-	
9/16"	3/16	#10-32 UNF	7/16-20	7/16-20 UNF	0.25	0.38	-	-	0.06	0.62	1.62	2.06	2.31	0.157	2.25	2.50	
3/4"	1/4	1/4-28 UNF	1/2-20	5/8-18 UNF0.34	0.62	0.250	0.75	0.09	0.69	1.69	2.53	2.78	-	-	2.81	3.06	
7/8"	1/4	1/4-28 UNF	5/8-18	5/8-18 UNF0.34	0.62	0.250	0.75	0.09	0.75	1.56	2.72	-	-	-	3.00	-	
1-1/16"	3/8	5/16-24 UNF	5/8-18	5/8-18 UNF0.34	0.62	0.250	0.75	0.09	0.75	1.56	2.78	3.03	-	-	3.06	3.31	
1-1/4"	7/16	7/16-20 UNF	3/4-16	-	0.41	0.78	0.251	-	0.09	0.88	1.81	3.38	3.50	0.251	3.78	3.91	
1-1/2"	7/16	7/16-20 UNF	3/4-16	-	0.50	0.77	0.375	1.00	0.09	1.00	1.69	3.25	3.50	-	3.62	3.87	
1-3/4"	1/2	1/2-20 UNF	1-14	-	0.50	1.12	-	-	0.09	1.12	2.0	4.09	4.34	0.376	4.59	4.84	

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

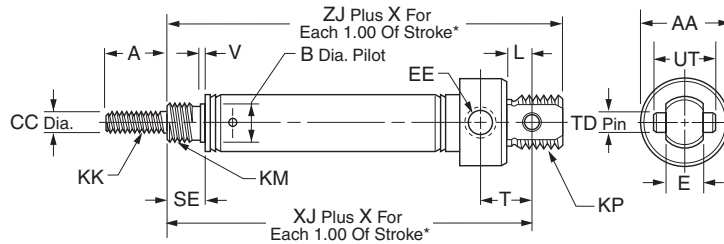


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



Style P

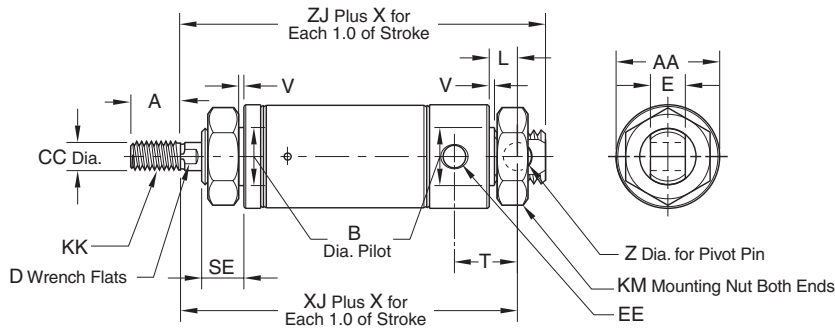
Pivot mount, spring return



Bore Sizes

- 5/16" \*
- 7/16"
- 3/4"

\* No mounting nuts



Bore Sizes

- 9/16" \*
- 7/8" \*
- 1-1/16" \*
- 1-1/4"
- 1-1/2" \*
- 1-3/4"
- 2" \*

\* No mounting nuts

Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	CC	D	E	EE
5/16"	•		1/2, 1, 1-1/2, 2, 3, 4	4	3	0.38	0.39	-	0.125	-	0.25	#10-32
7/16"	•		1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	0.74	0.374	0.188	-	0.31	#10-32
9/16"	•	•	1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	0.62	0.437	0.188	-	0.31	#10-32
3/4"	•	•	1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	0.86	0.499	0.250	-	0.38	1/8 NPTF
7/8"	•		1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	0.93	0.624	0.250	-	0.38	1/8 NPTF
1-1/16"	•	•	1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	1.12	0.624	0.312	0.25	0.38	1/8 NPTF
1-1/4"	•	•	1, 2, 3, 4	6	3	0.75	1.34	0.749	0.437	0.38	0.50	1/8 NPTF
1-1/2"	•	•	1, 2, 3, 4	6	3	0.75	1.56	0.749	0.437	0.38	0.62	1/8 NPTF
1-3/4"	•	•	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4	6		0.88	1.84	1.031	0.500	7/16	0.62	1/4 NPTF
2"	•	•	-	4		0.88	2.08	1.374	0.625	0.50	0.75	1/4 NPTF

Bore Size	KK	KM	KP	L	SE	T	TD	UT	V	X	SR XJ	SRM XJ	Z	SR ZJ	SRM ZJ
5/16"	#5-40 UNC	3/8-24	-	0.34	0.25	0.34	-	-	-	0.75	1.52	-	0.125	1.68	-
7/16"	#10-32 UNF	3/8-24	7/16-20 UNF	0.25	0.31	0.44	0.156	0.50	0.05	0.94	1.75	-	-	2.00	-
9/16"	#10-32 UNF	7/16-20	7/16-20 UNF	0.25	0.38	0.38	-	-	0.06	1.62	1.81	2.06	0.157	2.00	2.25
3/4"	1/4-28 UNF	1/2-20	5/8-18 UNF	0.34	0.44	0.62	0.250	0.75	0.09	1.69	2.28	2.53	-	2.56	2.81
7/8"	1/4-28 UNF	5/8-18	5/8-18 UNF	0.34	0.50	0.62	0.250	0.75	0.09	1.56	2.47	-	-	2.75	-
1-1/16"	5/16-24 UNF	5/8-18	5/8-18 UNF	0.34	0.50	0.62	0.250	0.75	0.09	1.56	2.66	2.91	-	2.94	3.19
1-1/4"	7/16-20 UNF	3/4-16	-	0.41	0.63	0.78	-	-	0.09	1.81	3.38	3.91	0.251	3.78	3.50
1-1/2"	7/16-20 UNF	3/4-16	-	0.50	0.63	0.77	0.375	1.00	0.09	1.81	3.12	3.37	-	3.50	3.75
1-3/4"	1/2-20 UNF	1-14	-	0.50	0.75	1.12	-	-	0.09	2.0	4.03	4.28	0.376	4.53	4.78
2"	1/2-20 UNF	1-1/4-12	-	0.56	0.81	1.03	-	-	0.12	-	n	X	0.376	s	u

n 6.34" for 1" stroke, 8.34" for 2" stroke, 9.59" for 3" stroke, 12.53" for 4" stroke\*

s 6.78" for 1" stroke, 8.78" for 2" stroke, 10.03" for 3" stroke, 12.97" for 4" stroke\*

X 6.59" for 1" stroke, 8.59" for 2" stroke, 9.84" for 3" stroke, 12.78" for 4" stroke\*

u 7.03" for 1" stroke, 9.03" for 2" stroke, 10.28" for 3" stroke, 13.22" for 4" stroke\*

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.



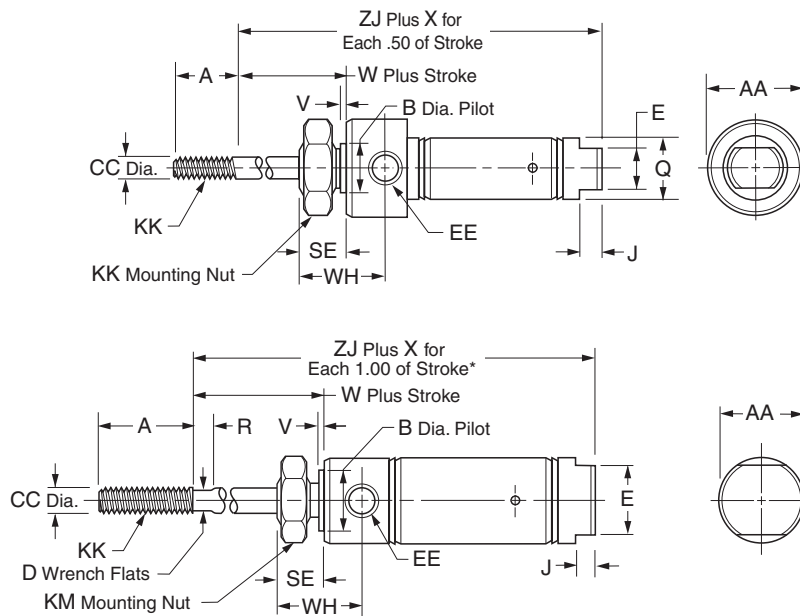
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C10

**Parker Hannifin Corporation**  
Pneumatic Division  
Wadsworth, Ohio  
[www.parker.com/pdn/rotary](http://www.parker.com/pdn/rotary)

Style R

Nose mount, spring extended



Bore Sizes
5/16
7/16
3/4

Bore Sizes
9/16
7/8
1-1/16
1-1/4
1-1/2
1-3/4
2" *

\* No mounting nuts

Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	CC	D	E
5/16"	•		1/2, 1, 1-1/2, 2, 2-1/2, 3	4	3	0.38	0.50 SQ.	-	0.125	-	-
7/16"	•		1/2, 1, 1-1/2, 2, 3	6	3	0.50	0.74	0.437	0.188	-	0.38
9/16"	•	•	1/2, 1, 1-1/2, 2, 3	6	3	0.50	0.62	0.437	0.188	-	0.50
3/4"	•	•	1/2, 1, 2, 3, 4	6	3	0.50	0.86	0.624	0.250	-	-
7/8"	•		1/2, 1, 2, 3, 4	6	3	0.50	0.93	0.624	0.250	-	-
1-1/16"	•	•	1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	1.12	0.624	0.312	0.25	-
1-1/4"	•	•	1, 2, 3, 4	6	3	0.75	1.34	0.749	0.437	0.38	-
1-1/2"	•	•	1, 2, 3, 4	6	3	1.25	1.56	0.749	0.437	0.38	0.88
1-3/4"	•	•	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4	6		0.88	1.84	1.031	0.500	7/16	-
2"	•	•	-	4		0.88	2.08	1.374	0.625	0.50	-

Bore Size	EE	J	KK	KM	Q	R	SE	V	W	WH	X	ZJ	SR	SRM
5/16"	#10-32	-	#5-40 UNC	3/8-24	0.36	-	0.31	-	0.31	0.47	1.25	1.49	-	-
7/16"	#10-32	0.19	#10-32 UNF	7/16-20	0.50	-	0.38	0.05	0.38	0.72	1.44	1.94	-	-
9/16"	#10-32	0.19	#10-32 UNF	7/16-20	0.62	-	0.38	0.05	0.38	0.78	2.62	2.00	2.25	-
3/4"	1/8 NPTF	-	1/4-28 UNF	5/8-18	0.81	-	0.50	0.09	0.50	0.97	2.69**	2.31	2.56	-
7/8"	1/8 NPTF	-	1/4-28 UNF	5/8-18	-	-	0.50	0.09	0.50	0.97	2.56	2.31	-	-
1-1/16"	1/8 NPTF	-	5/16-24 UNF	5/8-18	-	0.12	0.50	0.09	0.62	1.06	2.81	2.62	2.87	-
1-1/4"	1/8 NPTF	-	7/16-20 UNF	3/4-16	-	0.25	0.62	0.09	0.88	1.38	2.81	3.47	3.60	-
1-1/2"	1/8 NPTF	0.25	7/16-20 UNF	3/4-16	-	0.25	0.62	0.09	0.88	1.25	3.00	3.19	3.44	-
1-3/4"	1/4 NPTF	-	1/2-20 UNF	1-14	-	-	0.75	0.09	1.06	1.63	3.0	4.03	4.28	-
2"	1/4 NPTF	-	1/2-20 UNF	1-1/4-12	-	0.38	0.81	0.12	1.19	1.50	-	s	u	-

s 7.11" for 1" stroke, 10.11" for 2" stroke, 12.34" for 3" stroke, 16.34" for 4" stroke.\*

u 7.36" for 1" stroke, 10.36" for 2" stroke, 12.59" for 3" stroke, 16.59" for 4" stroke\*

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

\*\* For each 1.00" of stroke.

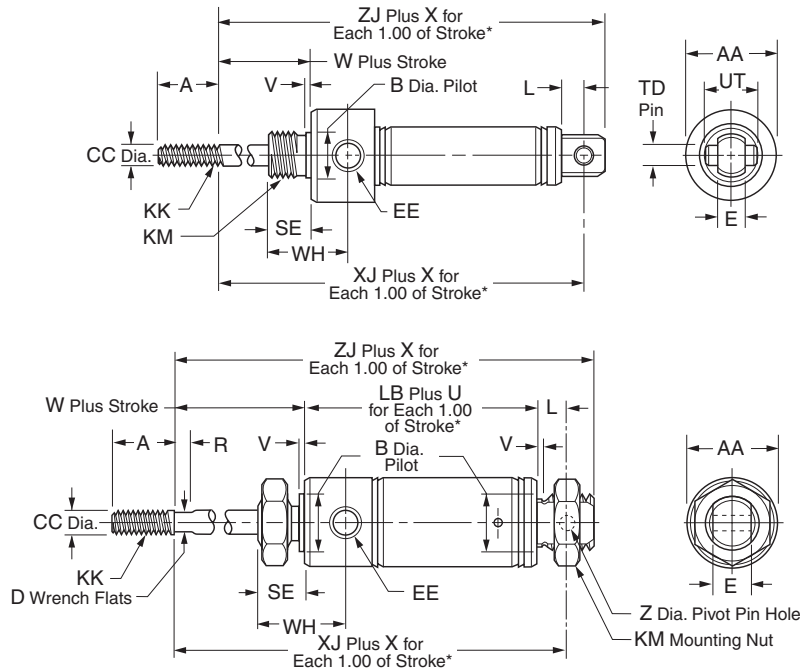


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



Style RP

Pivot and nose mount, spring extended



Bore Sizes
5/16" *
7/16"
3/4"

\* No mounting nuts

Bore Sizes
9/16" *
7/8" *
1-1/16" *
1-1/4"
1-1/2" *
1-3/4"
2" *

\* No mounting nuts

Bore Size	Series		Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	Dimensions																
	SR	SRM				A	AA	B	CC	D	E	EE	KK	L	LB	R	SE	TD	U	UT	V	W
5/16"	•		1/2, 1, 1-1/2, 2, 2-1/2, 3	4	3	0.38	0.50 SQ.	-	0.125	-	0.25	#10-32	#5-40 UNC									
7/16"	•		1/2, 1, 1-1/2, 2, 3	6	3	0.50	0.74	0.437	0.188	-	0.31	#10-32	#10-32 UNF									
9/16"	•	•	1/2, 1, 1-1/2, 2, 3	6	3	0.50	0.62	0.437	0.188	-	0.31	#10-32	#10-32 UNF									
3/4"	•	•	1/2, 1, 2, 3, 4	6	3	0.50	0.86	0.624	0.250	-	0.38	1/8 NPTF	1/4-28 UNF									
7/8"	•		1/2, 1, 2, 3, 4	6	3	0.50	0.93	0.624	0.250	-	0.38	1/8 NPTF	1/4-28 UNF									
1-1/16"	•	•	1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	1.12	0.624	0.312	0.25	0.38	1/8 NPTF	5/16-24 UNF									
1-1/4"	•	•	1, 2, 3, 4	6	3	0.75	1.34	0.749	0.437	0.38	0.50	1/8 NPTF	7/16-20 UNF									
1-1/2"	•	•	1, 2, 3, 4	6	3	1.25	1.56	0.749	0.437	0.38	0.62	1/8 NPTF	7/16-20 UNF									
2"	•	•	-	4		.88	2.08	1.374	0.625	0.50	0.75	1/4 NPTF	1/2-20 UNF									

Bore Size	Series		L	LB	R	SE	TD	U	UT	V	W	WH	X	SR		SRM		SR	SRM
	KM	L												XJ	XJ	Z	ZJ		
5/16"	3/8-24	0.19	-	-	0.31	-	-	-	-	0.31	0.47	1.25	1.88	-	-	2.04	-		
7/16"	7/16-20	0.25	-	-	0.38	0.156	-	0.50	0.05	0.38	0.72	1.44	2.38	-	-	2.62	-		
9/16"	7/16-20	0.25	-	-	0.38	-	-	0.06	0.38	0.78	2.62	2.28	2.53	0.157	2.47	2.72			
3/4"	5/8-18	0.34	-	-	0.50	0.250	-	0.75	0.09	0.50	0.97	2.69	2.44	2.69	-	2.72	2.97		
7/8"	5/8-18	0.34	-	-	0.50	0.250	-	0.75	0.09	0.50	0.97	2.56	2.63	-	-	2.91	-		
1-1/16"	5/8-18	0.34	-	0.12	0.50	0.250	-	0.75	0.09	0.62	1.06	2.81	2.78	3.03	-	3.06	3.31		
1-1/4"	3/4-16	0.41	2.47	0.25	0.62	-	1.81	-	0.09	0.88	1.38	2.81	3.78	3.91	0.251	4.16	4.28		
1-1/2"	3/4-16	0.50	-	0.25	0.62	0.375	-	1.00	0.09	0.88	1.25	3.00	3.88	4.13	-	4.25	4.50		
2"	1-1/4-12	0.56	-	0.38	0.81	-	-	-	0.12	1.19	1.50	-	n	X	0.376	s	u		

n 8.05" for 1" stroke, 11.05" for 2" stroke, 13.28" for 3" stroke, 17.28" for 4" stroke\*  
 s 8.50" for 1" stroke, 11.50" for 2" stroke, 13.72" for 3" stroke, 17.72" for 4" stroke\*  
 X 8.31" for 1" stroke, 11.31" for 2" stroke, 13.53" for 3" stroke, 17.53" for 4" stroke\*  
 u 8.75" for 1" stroke, 11.75" for 2" stroke, 13.97" for 3" stroke, 17.97" for 4" stroke\*

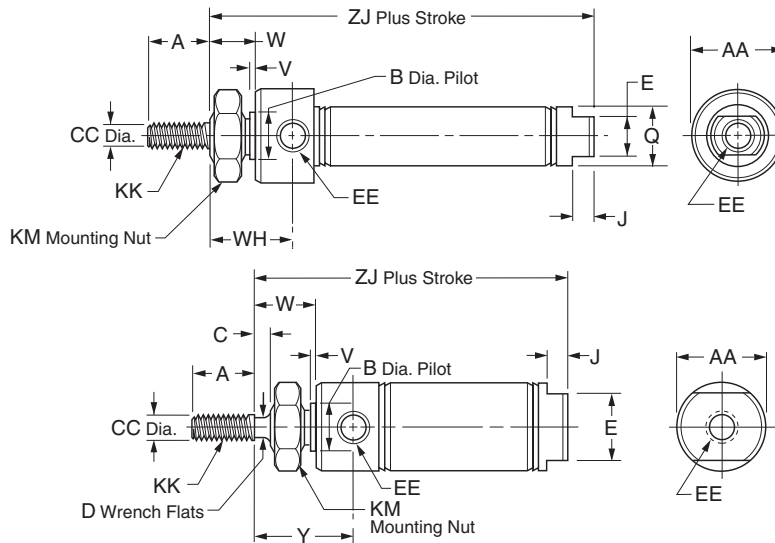
\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Style D

Nose mount, double acting



Bore Sizes

- 5/16"
- 7/16"
- 3/4"

Bore Sizes

- 9/16"
- 7/8"
- 1-1/16"
- 1-1/4"
- 1-1/2"
- 1-3/4"

2" \*

2-1/2" \*

3" \*

\*No mounting nuts

Bore Size	SR	SRM	SRD SRDM	Std. Stroke (in)	SS		A	AA	B	C	CC
					Max. Stroke	Rod Std					
5/16"	.	.	.	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4	4	3	0.38	0.50 SQ.	-	-	0.125
7/16"	.	.	.	1/2, 1, 1-1/2, 2, 3, 4	12	3	0.50	0.74	0.437	-	0.188
9/16"	.	.	.	1/2, 1, 1-1/2, 2, 3, 4	12	3	0.50	0.62	0.437	-	0.188
3/4"	.	.	.	1/2, 1, 2, 2-1/2, 3, 4, 5, 6, 8, 10	12	3	0.50	0.86	0.624	-	0.250
7/8"	.	.	.	1/2, 1, 2, 3, 4, 5, 6	12	3	0.50	0.93	0.624	-	0.250
1-1/16"	.	.	.	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	12	3	0.50	1.12	0.624	0.12	0.312
1-1/4"	.	.	.	1, 2, 3, 4, 5, 6	12	3	0.75	1.34	0.749	0.25	0.437
1-1/2"	.	.	.	1/2, 1, 2, 3, 4, 5, 6, 8, 10, 12	12	3	0.75	1.56	0.749	0.25	0.437
1-3/4"	.	.	.	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6	12		0.88	1.84	1.031	0.31	0.500
2"	.	.	.	-	12		0.88	2.08	1.374	0.38	0.625
2-1/2"	.	.	.	-	12		0.88	2.62	1.500	0.38	0.625
3"	.	.	.	-	12		1.25	3.16	1.630	0.38	0.750

Bore Size	D	E	EE	J	KK	KM	Q	V	W	WH	Y	SR	SRM
												ZJ	ZJ
5/16"	-	-	#10-32	-	#5-40 UNC	3/8-24	0.36	-	0.31	0.47	-	1.67	-
7/16"	-	0.38	#10-32	0.19	#10-32 UNF	7/16-20	0.50	0.05	0.38	0.72	-	2.12	-
9/16"	-	0.50	#10-32	0.19	#10-32 UNF	7/16-20	-	0.06	0.38	0.78	-	2.28	2.53
3/4"	-	0.62	1/8 NPTF	0.19	1/4-28 UNF	5/8-18	0.81	0.09	0.50	0.97	-	2.97	2.97
7/8"	-	0.62	1/8 NPTF	0.19	1/4-28 UNF	5/8-18	-	0.09	0.50	0.97	-	2.94	-
1-1/16"	0.25	0.88	1/8 NPTF	0.19	5/16-24 UNF	5/8-18	-	0.09	0.62	-	1.19	3.25	3.41
1-1/4"	0.38	0.88	1/8 NPTF	0.25	7/16-20 UNF	3/4-16	-	0.09	0.88	-	1.62	4.00	4.03
1-1/2"	0.38	0.88	1/8 NPTF	0.25	7/16-20 UNF	3/4-16	-	0.09	0.88	-	1.50	3.69	3.94
1-3/4"	7/16	1.25	1/4 NPTF	0.25	1/2-20 UNF	1-14	-	0.09	1.06	1.63	-	4.69	4.94
2"	0.50	1.25	1/4 NPTF	0.31	1/2-20 UNF	1-1/4-12	-	0.12	1.19	-	1.88	4.69	4.97
2-1/2"	1/2	1.75	1/4 NPTF	0.31	1/2-20 UNF	1-3/8-12	-	0.13	1.19	-	1.84	4.69	4.69
3"	5/8	2.00	3/8 NPTF	0.31	5/8-18 UNF	1-1/2-12	-	0.19	1.38	-	2.09	5.25	-

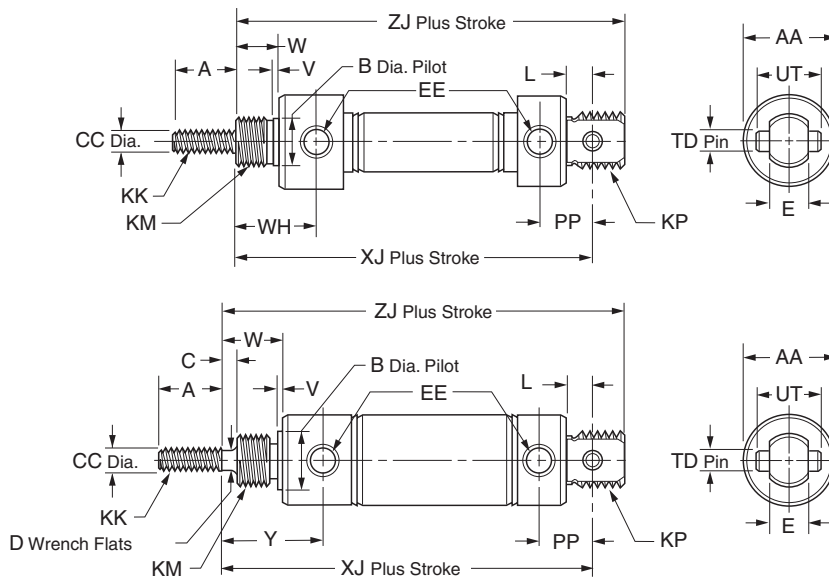


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



Style DP

Pivot and nose mount, double acting, pivot pin



Bore Sizes

5/16"

7/16"

3/4"

Bore Sizes

1-1/16"

1-1/2"

Round Body  
Pneumatic Cylinders

SR/SRM/SRD/SRDM  
Series

SRG/SRGM  
Series

P1A  
Series

P  
Series

Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod	A	AA	B	CC	D	E
7/16"	·	·	1/2, 1, 1-1/2, 2, 3, 4	12	3	0.50	0.74	0.437	0.188	-	0.31
3/4"	·	·	1/2, 1, 2, 2-1/2, 3, 4, 5, 6, 8, 10	12	3	0.50	0.86	0.624	0.250	-	0.38
1-1/16"	·	·	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	12	3	0.50	1.12	0.624	0.312	0.25	0.38
1-1/2"	·	·	1, 2, 3, 4, 5, 6, 8, 10, 12	12	3	0.75	1.56	0.749	0.437	0.38	0.62

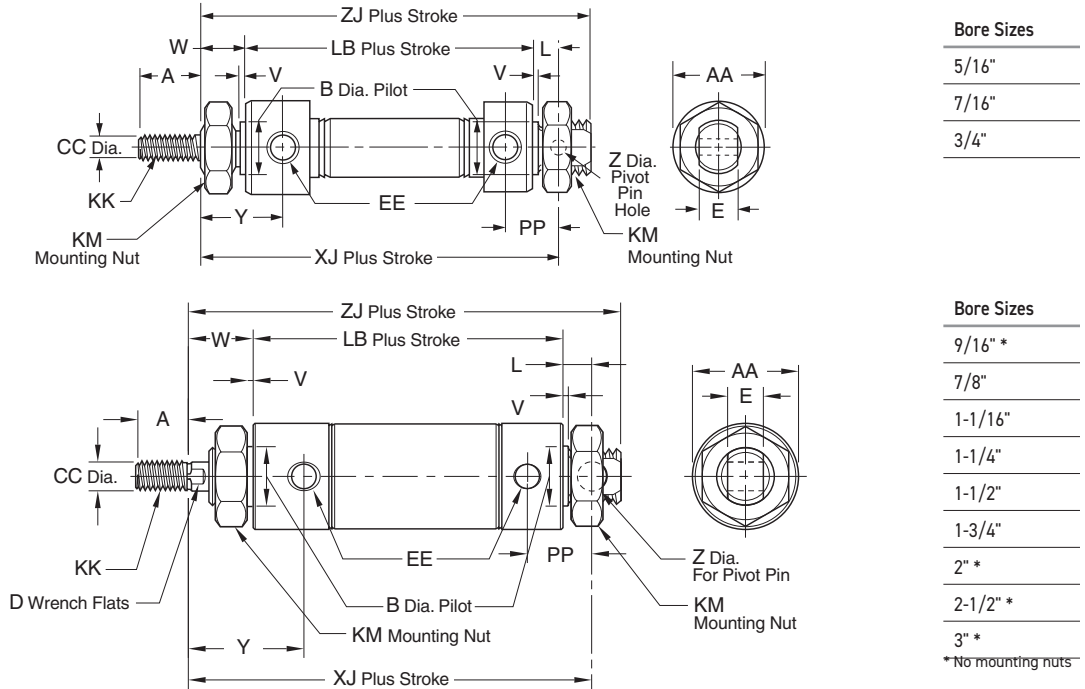
Bore Size	EE	KK	KM	KP	L	PP	TD	UT	V	W	WH	SR XJ	SRM XJ	Y	SR ZJ	SRM ZJ
7/16"	#10-32	#10-32 UNF	7/16-20	7/16-20 UNF	0.25	0.44	0.156	0.50	0.05	0.38	0.72	2.56	-	-	2.81	-
3/4"	1/8 NPTF	1/4-28 UNF	5/8-18	5/8-18 UNF	0.34	0.62	0.250	0.75	0.09	0.50	0.97	3.75	3.75	-	4.03	4.03
1-1/16"	1/8 NPTF	5/16-24 UNF	5/8-18	5/8-18 UNF	0.34	0.62	0.250	0.75	0.09	0.62	-	3.84	4.00	1.19	4.12	4.28
1-1/2"	1/8 NPTF	7/16-20 UNF	3/4-16	-	0.50	0.77	0.375	1.00	0.09	0.87	-	4.38	4.63	1.50	4.75	5.00



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Style DXP

Pivot & nose mount, double acting, no pivot pin



Bore Size	SR	SRM	SRD SRDM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	CC	D	E
5/16"	•			1/2, 1, 1-1/2, 2, 2-1/2, 3, 4	4	3	0.38	0.50 SQ.	-	0.125	-	0.25
7/16"	•			1/2, 1, 1-1/2, 2, 3, 4	12	3	0.50	0.74	0.437	0.188	-	0.31
9/16"	•	•	•	1/2, 1, 1-1/2, 2, 3, 4	12	3	0.50	0.62	0.437	0.188	-	0.31
3/4"	•	•	•	1, 2, 3, 4, 5, 6, 8, 10	32	3	0.50	0.86	0.624	0.250	-	0.38
7/8"	•			1, 2, 3, 4, 5, 6, 8, 10	32	3	0.50	0.93	0.624	0.250	-	0.38
1-1/16"	•	•	•	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	32	3	0.50	1.12	0.624	0.312	0.25	0.38
1-1/4"	•	•		1, 2, 3, 4, 5, 6, 7, 8, 10, 12	32	3	0.75	1.34	0.749	0.437	0.38	0.50
1-1/2"	•	•	•	-	32	3	0.75	1.56	0.749	0.437	0.38	0.62
1-3/4"	•	•		1, 2, 3, 4, 5, 6, 8, 10, 12	32		0.88	1.84	1.031	0.500	7/16	0.62
2"	•	•	•	-	32		0.88	2.08	1.374	0.625	0.50	0.75
2-1/2"	•	•		-	32		0.88	2.62	1.500	0.625	1/2	0.75
3"	•			-	32		1.25	3.16	1.630	0.750	5/8	0.88

Bore Size									SR	SRM					SR	SRM
	EE	KK	KM	L	LB	PP	V	W	XJ	XJ	Y	Z	ZJ	ZJ		
5/16"	#10-32	#5-40 UNC	3/8-24	0.19	-	0.34	-	0.31	2.03	-	-	0.125	2.19	-		
7/16"	#10-32	#10-32 UNF	7/16-20	0.25	1.94	0.44	0.05	0.38	2.56	-	0.72	0.157	2.81	-		
9/16"	#10-32	#10-32 UNF	7/16-20	0.25	-	0.38	0.06	0.38	2.56	2.81	0.78	0.157	2.75	3.00		
3/4"	1/8 NPTF	1/4-28 UNF	5/8-18	0.34	2.91	0.62	0.09	0.50	3.75	3.75	0.97	0.251	4.03	4.03		
7/8"	1/8 NPTF	1/4-28 UNF	5/8-18	0.34	-	0.62	0.09	0.50	3.56	-	0.97	0.251	3.84	-		
1-1/16"	1/8 NPTF	5/16-24 UNF	5/8-18	0.34	-	0.62	0.09	0.62	3.84	4.01	1.19	0.251	4.12	4.28		
1-1/4"	1/8 NPTF	7/16-20 UNF	3/4-16	0.41	-	0.78	0.09	0.88	4.72	4.75	1.62	0.251	5.12	5.16		
1-1/2"	1/8 NPTF	7/16-20 UNF	3/4-16	0.50	-	0.77	0.09	0.88	4.38	4.63	1.50	0.376	4.75	5.00		
1-3/4"	1/4 NPTF	1/2-20 UNF	1-14	0.50	4.19 SR 4.44 SRM	1.12	0.09	1.06	5.75	6.00	1.94	0.376	6.25	6.50		
2"	1/4 NPTF	1/2-20 UNF	1-1/4-12	0.56	-	1.03	0.12	1.19	5.62	5.91	1.88	0.376	6.06	6.34		
2-1/2"	1/4 NPTF	1/2-20 UNF	1-3/8-12	0.56	-	1.03	0.13	1.19	5.62	5.62	1.84	0.376	6.06	6.06		
3"	3/8 NPTF	5/8-18 UNF	1-1/2-12	0.81	-	1.34	0.19	1.38	6.50	-	2.09	0.500	7.12	-		

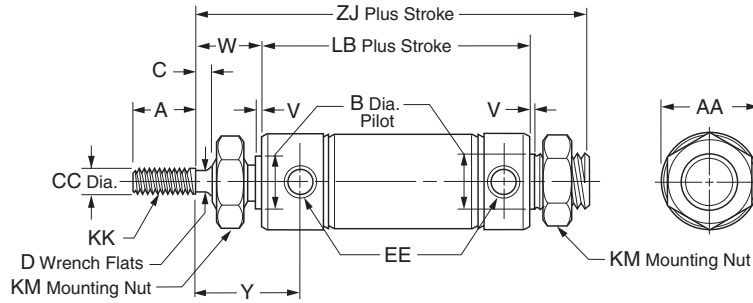


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Round Body Pneumatic Cylinders  
 SR/SRM/SRD/SRDM Series  
 SRG/SRGM Series  
 PIA Series  
 P Series

**Style DX**

Threaded both ends, double acting



Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std
1-1/2"	·	·	1, 2, 3, 4, 5, 6, 8, 10, 12	32	3

Bore Size	SR		SRM		SR		SRM									
	A	AA	B	C	CC	D	EE	KK	KM	LB	LB	V	W	Y	ZJ	ZJ
1-1/2"	0.75	1.56	0.749	0.25	0.437	0.38	1/8 NPTF	7/16-20 UNF	3/4-16	3.00	3.25	0.09	0.88	1.50	4.50	4.75

**C**  
 Round Body Pneumatic Cylinders  
 SR/SRM/SRD/SRDM Series  
 SRG/SRGM Series  
 P1A Series  
 P Series

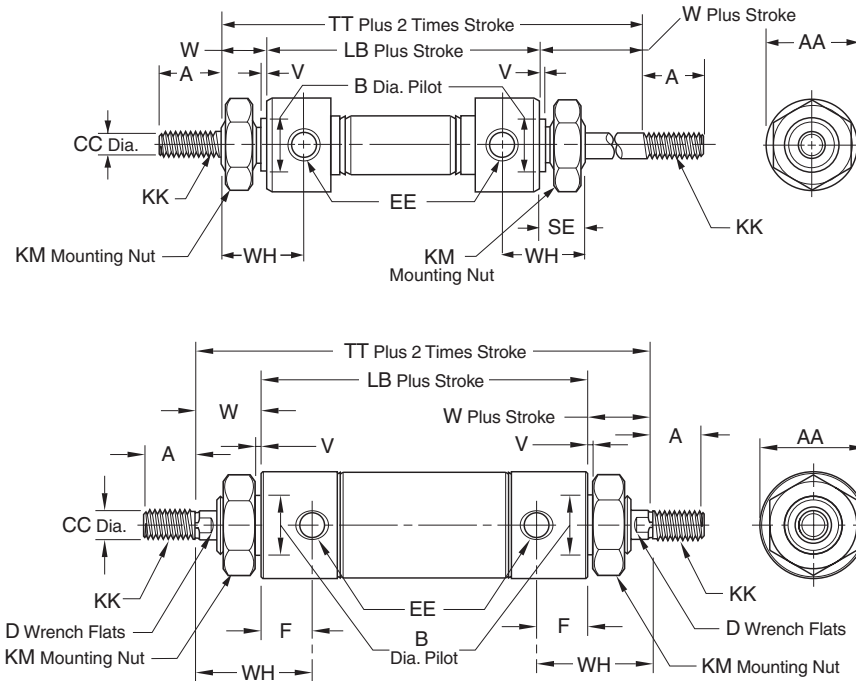


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



Style KDX

Threaded both ends, double acting, double rod



Bore Sizes

- 7/16"
- 3/4"

Bore Sizes

- 9/16" \*
- 7/8"
- 1-1/16"
- 1-1/4"
- 1-1/2"
- 1-3/4"
- 2" \*
- 2-1/2" \*
- 3" \*

\*No mounting nuts

Bore Size	SR	SRM	SRD SRDM	Std. Stroke (in)	Max. Stroke (in)	SS Rod	A	AA	B	CC
7/16"	•			1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	0.74	0.437	0.188
9/16"	•	•	•	1/2, 1, 1-1/2, 2, 3, 4	6	3	0.50	0.62	0.437	0.188
3/4"	•	•	•	1, 2, 3, 4, 5, 6	12	3	0.50	0.86	0.624	0.250
7/8"	•			1, 2, 3, 4, 6	12	3	0.50	0.93	0.624	0.250
1-1/16"	•	•	•	1, 2, 3, 4, 5, 6	12	3	0.50	1.12	0.624	0.312
1-1/4"	•	•	•	1, 2, 3, 4, 5, 6	12	3	0.75	1.34	0.749	0.437
1-1/2"	•	•	•	1, 2, 3, 4, 5, 6	12	3	0.75	1.56	0.749	0.437
1-3/4"	•	•	•	1, 2, 3, 4, 5, 6	12	3	0.88	1.84	1.031	0.500
2"	•	•	•	-	12	3	0.88	2.08	1.374	0.625
2-1/2"	•	•	•	-	18	3	0.88	2.62	1.500	0.625
3"	•	•	•	-	12	3	1.25	3.16	1.630	0.750

Bore Size	D	EE	F	KK	KM	SR LB	SRM LB	SE	SR TT	SRM TT	V	W	WH
7/16"	-	#10-32	0.34	#10-32 UNF	7/16-20	2.06	-	0.38	2.81	-	0.05	0.38	0.72
9/16"	-	#10-32	0.40	#10-32 UNF	7/16-20	2.19	2.44	0.38	2.94	3.19	0.06	0.38	0.78
3/4"	-	1/8 NPTF	0.47	1/4-28 UNF	5/8-18	3.00	3.00	0.50	4.00	4.00	0.09	0.50	0.97
7/8"	-	1/8 NPTF	0.47	1/4-28 UNF	5/8-18	2.91	-	0.50	3.91	-	0.09	0.50	0.97
1-1/16"	0.25	1/8 NPTF	0.56	5/16-24 UNF	5/8-18	2.75	3.28	0.50	4.00	4.53	0.09	0.62	1.19
1-1/4"	0.38	1/8 NPTF	0.75	7/16-20 UNF	3/4-16	3.81	3.84	0.63	5.56	5.59	0.09	0.88	1.62
1-1/2"	0.38	1/8 NPTF	0.62	7/16-20 UNF	3/4-16	3.38	3.63	0.63	5.12	5.38	0.09	0.88	1.50
1-3/4"	7/16	1/4 NPTF	0.88	1/2-20 UNF	1-14	4.44	4.69	0.75	6.56	6.81	0.09	1.06	1.94
2"	0.50	1/4 NPTF	0.65	1/2-20 UNF	1-1/4-12	4.19	4.47	-	6.56	6.84	0.12	1.19	1.88
2-1/2"	1/2	1/4 NPTF	0.65	1/2-20 UNF	1-3/8-12	4.19	4.19	-	6.56	6.56	0.13	1.19	1.84
3"	5/8	3/8 NPTF	0.71	5/8-18 UNF	1-1/2-12	4.56	-	-	7.31	-	0.19	1.38	2.09

Round Body  
Pneumatic Cylinders

SR/SRM/SRD/SRDM  
Series

SRG/SRGM  
Series

PIA  
Series

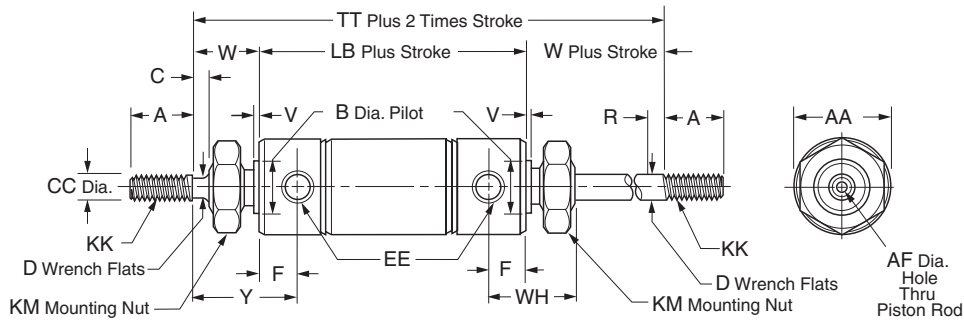
P  
Series



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Style KDXH

Threaded both ends, double rod, hollow rod



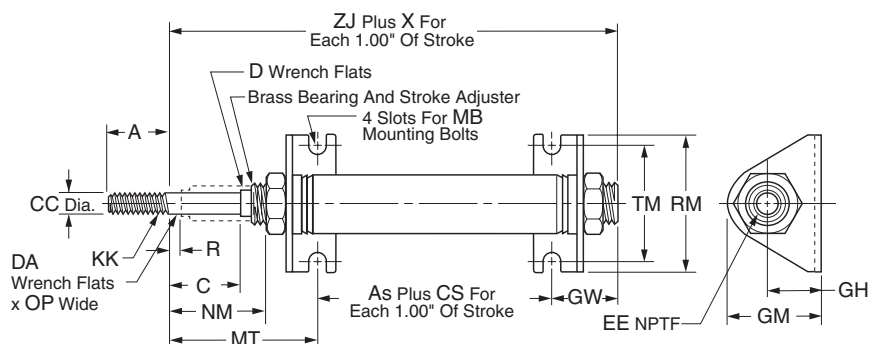
Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod	A	AA	AF	B	C	CC
1-1/16"	•	•	1, 2, 3, 4, 5, 6	12	N/A	0.50	1.12	0.187	0.624	0.12	0.312
1-1/4"	•	•	1, 2, 3, 4, 5, 6	12	N/A	0.75	1.34	0.250	0.749	0.25	0.437
1-1/2"	•	•	1, 2, 3, 4, 5, 6	12	N/A	0.75	1.56	0.250	0.749	0.25	0.437
1-3/4"	•	•	1, 2, 3, 4, 5, 6	12	N/A	0.88	1.84	0.328	1.031	0.38	0.500

Bore Size	D	EE	F	KK	KM	LB		R	TT		V	W	WH	Y
						SR	SRM		SR	SRM				
1-1/16"	0.25	1/8 NPTF	0.56	5/16-24 UNF	5/8-18	2.75	3.28	0.12	4.00	4.53	0.09	0.62	1.06	1.19
1-1/4"	0.38	1/8 NPTF	0.75	7/16-20 UNF	3/4-16	3.81	3.84	0.25	5.56	5.59	0.09	0.88	1.38	1.62
1-1/2"	0.38	1/8 NPTF	0.62	7/16-20 UNF	3/4-16	3.38	3.63	0.25	5.12	5.38	0.09	0.88	1.25	1.50
1-3/4"	7/16	1/4 NPTF	0.88	1/2-20 UNF	1-14	4.44	4.69	-	6.56	6.81	0.09	1.06	1.63	1.63

Style A

Nose mount, spring return, head adjustable stroke

No partial stroke lengths. Only available in full inch strokes.



Bore Size	SR	SRM	Std. Stroke	Max. Stroke (in)	SS Rod Std	A	AS	C	CC	CS	D
3/4"	•	•	Stroke adjustment in 1" increments to 3": 1" stroke adjusts 0-1" 2" stroke adjusts 1-2" 3" stroke adjusts 2-3"	6	3	0.50	-0.03	1.19	0.250	1.69	-
1-1/16"	•	•		6	3	0.50	0.32	1.25	0.312	1.56	0.25
1-1/2"	•	•		6	3	0.75	0.19	1.25	0.437	2.00	0.62

Bore Size	EE	GH	GM	GW	KK	MB	MT	NM	OP	R	RM	TM	X	ZJ
3/4"	1/8 NPTF	0.81	1.38	0.94	1/4-28 UNF	0.250	2.21	1.40	-	0.32	1.88	1.50	1.69	3.14
1-1/16"	1/8 NPTF	0.81	1.38	0.93	5/16-24 UNF	0.250	2.38	1.44	0.12	0.25	1.88	1.50	1.56	3.63
1-1/2"	1/8 NPTF	1.00	1.78	1.25	7/16-20 UNF	0.250	2.56	1.50	-	0.25	2.50	1.88	2.00	4.00

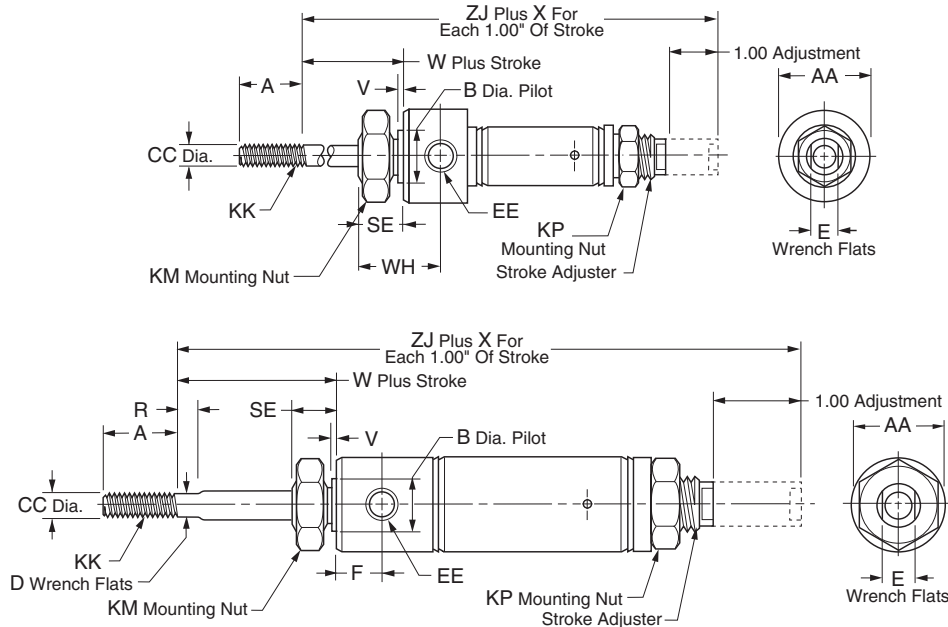


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Style RA

Nose mount, spring extend, cap adjustable stroke

No partial stroke lengths. Only available in full inch strokes.



Bore Sizes

3/4"

Bore Sizes

1-1/16"

1-1/2"

Bore Size	SR	SRM	Std. Stroke	Max. Stroke (in)	SS Rod Std
3/4"	•		Stroke adjustment in 1" increments to 3":	6	3
1-1/16"	•		1" stroke adjusts 0-1" 2" stroke adjusts 1-2"	6	3
1-1/2"	•		3" stroke adjusts 2-3"	6	3

Bore Size	A	AS	AA	B	CC	D	E	EE	F
3/4"	0.50	1.69	0.86	0.624	0.250	-	0.34	1/8 NPTF	-
1-1/16"	0.50	0.32	1.12	0.624	0.312	0.25	0.50	1/8 NPTF	0.56
1-1/2"	1.25	0.19	1.56	0.749	0.437	0.38	0.62	1/8 NPTF	0.62

Bore Size	KK	KM	SE	R	V	W	WH	X	ZJ
3/4"	1/4-28 UNF	5/8-18	0.50	-	0.09	0.53	0.97	2.69	3.61
1-1/16"	5/16-24 UNF	5/8-18	0.50	0.12	0.09	0.50	-	2.56	4.03
1-1/2"	7/16-20 UNF	3/4-16	0.62	0.25	0.09	0.88	-	3.00	4.81



Round Body  
Pneumatic Cylinders

SR/SRM/SRD/SRDM  
Series

SRG/SRGM  
Series

P1A  
Series

P  
Series

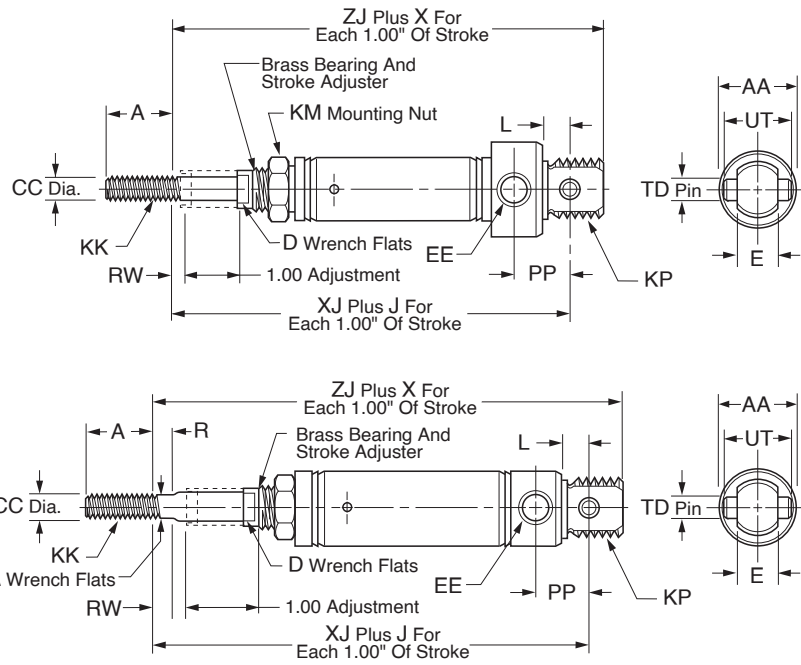


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Style AP

Pivot mount, spring return, head adjustable stroke

No partial stroke lengths. Only available in full inch strokes.



Bore Sizes

3/4"

Bore Sizes

1-1/16"

1-1/2"

Bore Size	SR	SRM	Std. Stroke	Max. Stroke (in)	SS Rod Std
3/4"	·		Stroke adjustment in 1" increments to 3":	6	3
1-1/16"	·		1" stroke adjusts 0-1"	6	3
			2" stroke adjusts 1-2"		
1-1/2"	·		3" stroke adjusts 2-3"	6	3

Bore Size	A	AA	CC	D	DA	E	EE	J	KK
3/4"	0.50	0.86	0.250	0.34	-	0.38	1/8 NPTF	1.69	1/4-28 UNF
1-1/16"	0.50	1.12	0.312	0.50	0.25	0.38	1/8 NPTF	1.56	5/16-24 UNF
1-1/2"	0.75	1.56	0.437	0.62	0.38	0.62	1/8 NPTF	2.00	7/16-20 UNF

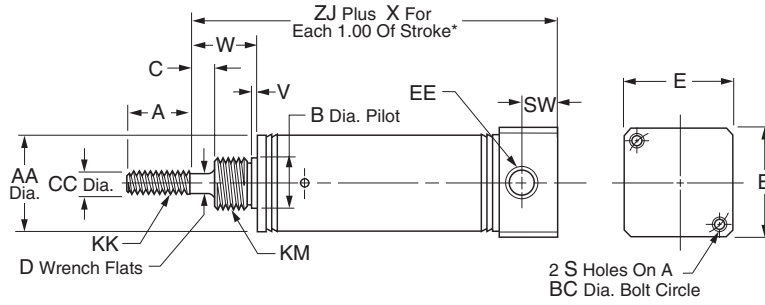
Bore Size	KM	KP	L	OP	PP	R	RW	TD	UT	X	XJ	ZJ
3/4"	7/16-20	5/8-18 UNF	0.34	-	0.62	0.32	0.19	0.250	0.75	1.69	3.60	3.88
1-1/16"	-	5/8-18 UNF	0.34	0.25	0.62	0.12	0.25	0.250	0.75	1.56	3.89	4.16
1-1/2"	3/4-16	-	0.50	-	0.77	0.25	0.25	0.375	1.00	2.00	4.31	4.69



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Style BRN

Rear block mount, single acting, spring return



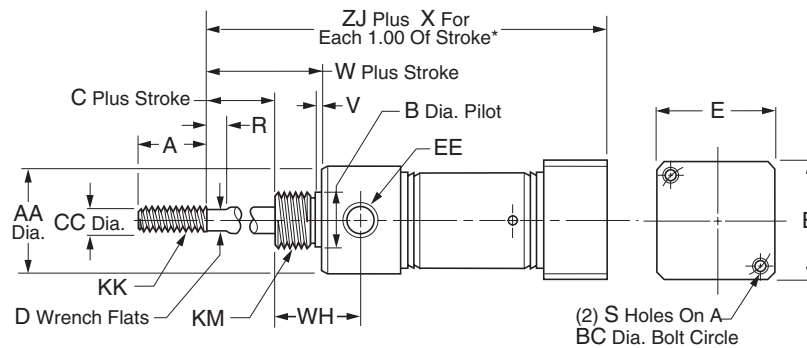
Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	C	CC	D
7/16"	•		1/2, 1, 2, 3, 4	6	3	0.50	0.5	0.374	-	0.188	-
3/4"	•	•	1, 2, 3, 4	6	3	0.75	0.81	0.499	0.25	0.250	0.22
1-1/16"	•	•	1, 2, 3, 4	6	3	0.75	1.12	0.624	0.38	0.312	0.25
1-1/2"	•	•	1, 2, 3, 4	6	3	1.25	1.56	0.749	0.25	0.437	0.38

Bore Size	E	EE	KK	KM	SW	V	W	X	ZJ	ZJ
7/16"	0.75	#10-32	#10-32 UNF	3/8-24	0.38	0.05	0.31	0.94	1.62	-
3/4"	1.00	1/8 NPTF	1/4-28 UNF	1/2-20	0.44	0.09	0.62	1.69	2.31	2.56
1-1/16"	1.25	1/8 NPTF	5/16-24 UNF	5/8-18	0.44	0.09	0.88	1.81	2.81	3.06
1-1/2"	1.75	1/4 NPTF	7/16-20 UNF	3/4-16	0.62	0.09	0.88	2.00	3.06	3.31

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

Style BRR

Rear block mount, single acting, spring extend



Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	BC	C	CC	D
3/4"	•	•	1, 2, 3, 4	6	3	0.75	0.86	0.624	1.00	0.25	0.250	0.22
1-1/16"	•	•	1, 2, 3, 4	6	3	0.75	1.12	0.624	1.25	0.38	0.312	0.25
1-1/2"	•	•	1, 2, 3, 4	6	3	1.25	1.56	0.749	1.75	0.25	0.437	0.38

Bore Size	E	EE	KK	KM	R	S	V	W	WH	X	ZJ	SR	SRM
3/4"	1.00	1/8 NPTF	1/4-28 UNF	5/8-18	0.25	#10-32 UNF	0.09	0.75	0.97	2.69	3.22	3.22	3.47
1-1/16"	1.25	1/8 NPTF	5/16-24 UNF	5/8-18	0.25	#10-32 UNF	0.09	0.88	1.06	2.81	3.53	3.53	3.78
1-1/2"	1.75	1/4 NPTF	7/16-20 UNF	3/4-16	0.25	1/4-20 UNC	0.09	0.88	1.25	3.00	3.88	3.88	4.13

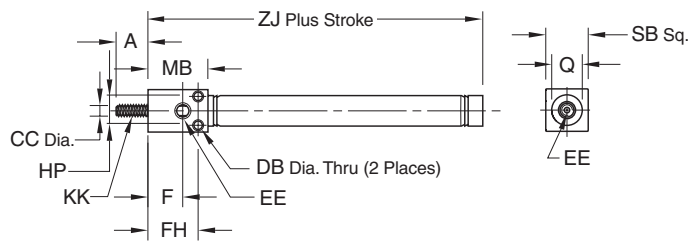
\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

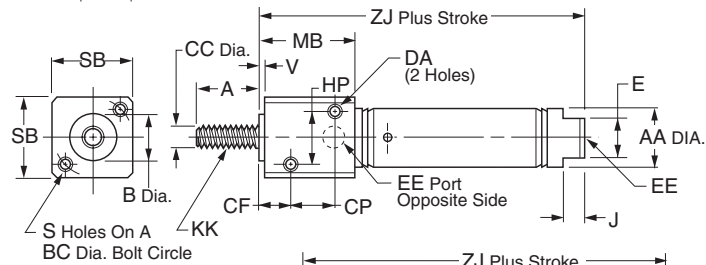
Style BFD

Front block mount, double acting



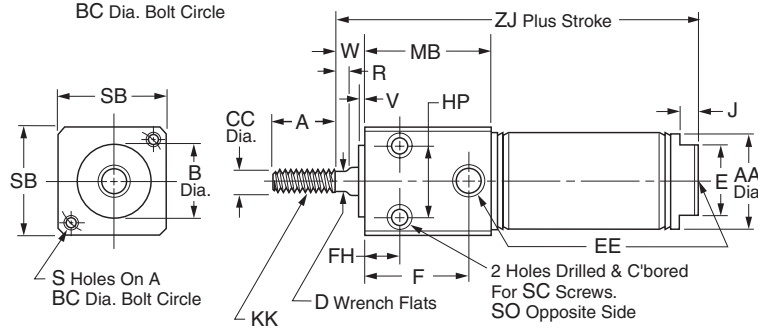
Bore Sizes

5/16"



Bore Sizes

7/16"



Bore Sizes

3/4"

1-1/16"

1-1/2"

Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	BC	CC
5/16"	·		1/2, 1, 1-1/2, 2, 2-1/2, 3, 4	4	3	0.38	-	-	-	0.125
7/16"	·		1/2, 1, 1-1/2, 2, 3, 4	12	3	0.50	0.50	0.437	0.75	0.188
3/4"	·	·	1/2, 1, 2, 3, 4, 5, 6	12	3	0.75	0.81	0.624	1.00	0.250
1-1/16"	·	·	1, 2, 3, 4, 5, 6	12	3	0.75	1.12	0.750	1.25	0.312
1-1/2"	·	·	1, 2, 3, 4, 5, 6	12	3	1.25	1.56	1.00	1.75	0.437

Bore Size	CF	CP	D	DA	DB	E	EE	F	FH	HP	J
5/16"	-	-	-	-	0.11	-	#10-32	0.41	0.59	0.34	-
7/16"	0.31	0.44	-	#8-32	-	0.38	#10-32	-	0.31	0.44	0.19
3/4"	-	-	0.22	-	-	0.62	1/8 NPTF	0.88	0.38	0.62	0.19
1-1/16"	-	-	0.25	-	-	0.88	1/8 NPTF	1.16	0.62	0.81	0.19
1-1/2"	-	-	0.38	-	-	0.88	1/4 NPTF	1.53	0.88	1.12	0.25

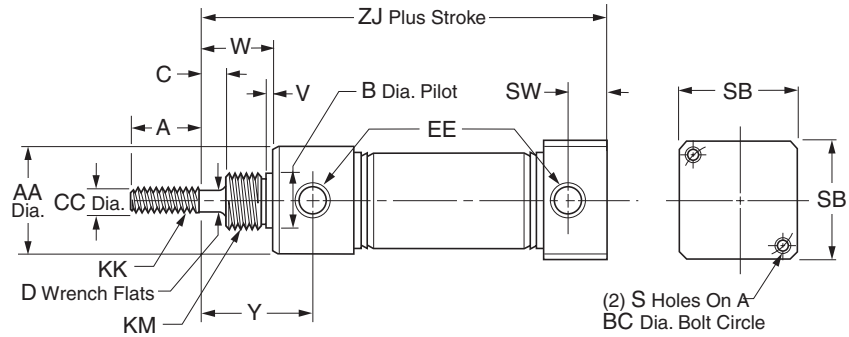
Bore Size	KK	MB	Q	R	S	SB	SC	SO	V	W	SR ZJ	SRM ZJ
5/16"	#5-40 UNC	0.71	0.36	-	-	0.50 SQ	-	-	-	-	1.75	-
7/16"	#10-32 UNF	0.88	-	-	#8-32 UNC	0.75	-	-	0.062	-	2.12	-
3/4"	1/4-28 UNF	1.12	-	-	#10-32 UNF	1.00	#10-32	1/4-20 UNC	0.093	0.34	3.22	3.22
1-1/16"	5/16-24 UNF	1.41	-	0.25	#10-32 UNF	1.25	#10-32	1/4-20 UNC	0.093	0.47	3.75	3.91
1-1/2"	7/16-20 UNF	1.88	-	-	1/4-20 UNC	1.75	1/4-20	5/16-18 UNC	0.125	0.38	4.19	4.44



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

**Style BRD**

Rear block mount, double acting



Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std
7/16"	•		1/2, 1, 2, 3, 4	12	3
3/4"	•	•	1, 2, 3, 4, 5, 6	12	3
1-1/16"	•	•	1, 2, 3, 4	12	3
1-1/2"	•	•	1, 2, 3, 4, 5, 6	12	3

Bore Size	A	AA	B	BC	C	CC	D	EE	KK
7/16"	0.50	0.74	0.437	0.75	-	0.188	-	#10-32	#10-32 UNF
3/4"	0.75	0.86	0.624	1.00	0.25	0.250	0.22	1/8 NPTF	1/4-28 UNF
1-1/16"	0.75	1.12	0.624	1.25	0.38	0.312	0.25	1/8 NPTF	5/16-24 UNF
1-1/2"	1.25	1.56	0.749	1.75	0.25	0.437	0.38	1/4 NPTF	7/16-20 UNF

Bore Size	KM	S	SB	SW	V	W	Y	SR		SRM	
								ZJ	ZJ	ZJ	ZJ
7/16"	7/16-20 UNF	#8-32 UNC	0.75	0.38	0.05	0.43	0.72	2.44	-	-	-
3/4"	5/8-18 UNF	#10-32 UNF	1.00	0.44	0.09	0.75	1.22	3.78	3.78	3.78	3.78
1-1/16"	5/8-18 UNF	#10-32 UNF	1.25	0.44	0.09	0.88	1.44	4.00	4.16	4.16	4.16
1-1/2"	3/4-16 UNF	1/4-20 UNC	1.75	0.62	0.09	0.88	1.47	4.38	4.63	4.63	4.63

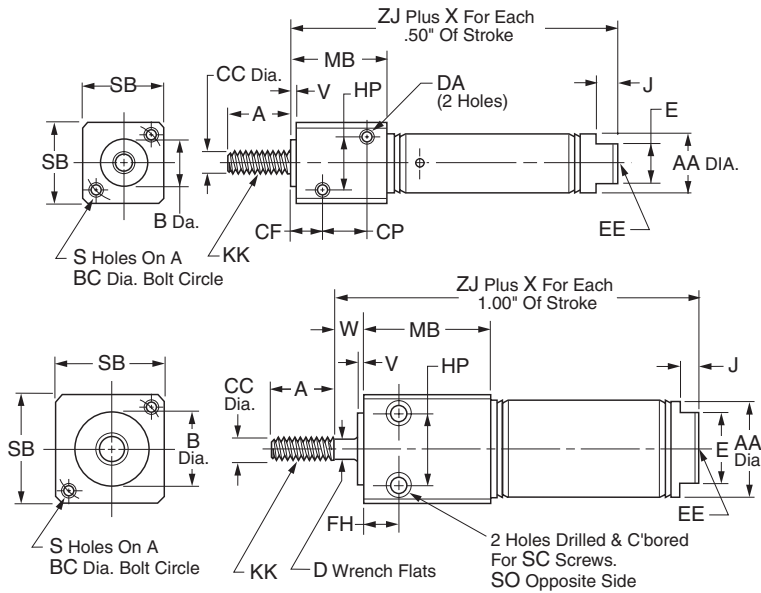
C  
 Round Body  
 Pneumatic Cylinders  
 SR/SRM/SRD/SRDM  
 Series  
 SRG/SRGM  
 Series  
 P1A  
 Series  
 P  
 Series



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Style BFN

Front block mount, single acting, spring return



Bore Sizes

7/16"

Bore Sizes

3/4"

1-1/16"

1-1/2"

Bore Size	SR	SRM	Std. Stroke (in)	Max Stroke (in)	SS Rod Std
7/16"	•		1/2, 1, 1-1/2, 2, 3	6	3
3/4"	•	•	1/2, 1, 2, 3, 4	6	3
1-1/16"	•	•	1, 2, 3, 4	6	3
1-1/2"	•	•	1, 2, 3, 4	6	3

Bore Size	A	AA	B	BC	CC	CF	CP	D	DA	E	EE	FH
7/16"	0.50	0.50	0.437	0.75	0.188	0.31	0.44	-	#8-32 UNC	0.38	#10-32	0.31
3/4"	0.75	0.81	0.624	1.00	0.250	-	-	0.22	-	0.62	1/8 NPTF	0.38
1-1/16"	0.75	1.12	0.750	1.25	0.312	-	-	0.25	-	0.88	1/8 NPTF	0.62
1-1/2"	1.25	1.56	1.00	1.75	0.437	-	-	0.38	-	0.88	1/4 NPTF	0.88

Bore Size	SR SRM												
	HP	J	KK	MB	S	SB	SC	SO	V	W	X	ZJ	ZJ
7/16"	0.44	0.19	#10-32 UNF	0.88	#8-32 UNC	0.75	-	-	0.062	-	0.94	1.94	-
3/4"	0.62	0.19	1/4-28 UNF	1.12	#10-32 UNF	1.00	#10-32	1/4-20 UNC	0.093	0.34	1.69	2.66	2.91
1-1/16"	0.81	0.19	5/16-24 UNF	1.41	#10-32 UNF	1.25	#10-32	1/4-20 UNC	0.093	0.47	1.81	3.38	3.63
1-1/2"	1.12	0.25	7/16-20 UNF	1.88	1/4 UNC	1.75	1/4-20	5/16-18 UNC	0.125	0.38	2.00	3.69	3.94

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

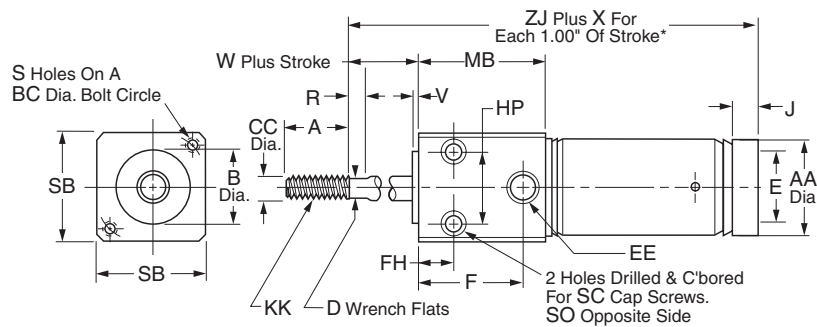


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



Style BFR

Front block mount, single acting, spring extend



Bore Size	SR	SRM	Std. Stroke (in)	Max Stroke (in)	SS Rod Std
3/4"	•	•	1, 2, 3, 4	6	3
1-1/16"	•	•	1, 2, 3, 4	6	3
1-1/2"	•	•	1, 2, 3, 4	6	3

Bore Size	A	AA	B	BC	CC	D	E	EE	F	FH	HP	J
3/4"	0.75	0.81	0.624	1.00	0.250	0.22	-	1/8 NPTF	0.88	0.38	0.62	0.19
1-1/16"	0.75	1.12	0.750	1.25	0.312	0.25	-	1/8 NPTF	1.16	0.62	0.81	-
1-1/2"	1.25	1.56	1.00	1.75	0.437	0.38	0.88	1/4 NPTF	1.53	0.88	1.12	0.25

Bore Size	KK	MB	R	S	SB	SC	SO	V	W	X	SR	SRM
											ZJ	ZJ
3/4"	1/4-28 UNF	1.12	0.25	#10-32 UNF	1.00	#10-32	1/4-20 UNC	0.093	0.34	2.69	2.56	2.81
1-1/16"	5/16-24 UNF	1.41	0.25	#10-32 UNF	1.25	#10-32	1/4-20 UNC	0.093	0.47	2.81	3.12	3.37
1-1/2"	7/16-20 UNF	1.88	0.25	1/4-20 UNC	1.75	1/4-20	5/16-18 UNC	0.125	0.38	3.00	3.69	3.94

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

C

Round Body Pneumatic Cylinders

SR/SRM/SRD/SRDM Series

SRG/SRGM Series

P1A Series

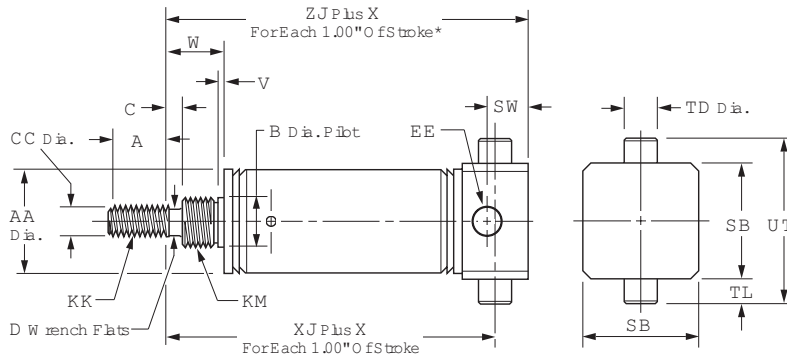
P Series



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Style TRN

Rear trunnion mount, single acting, spring return



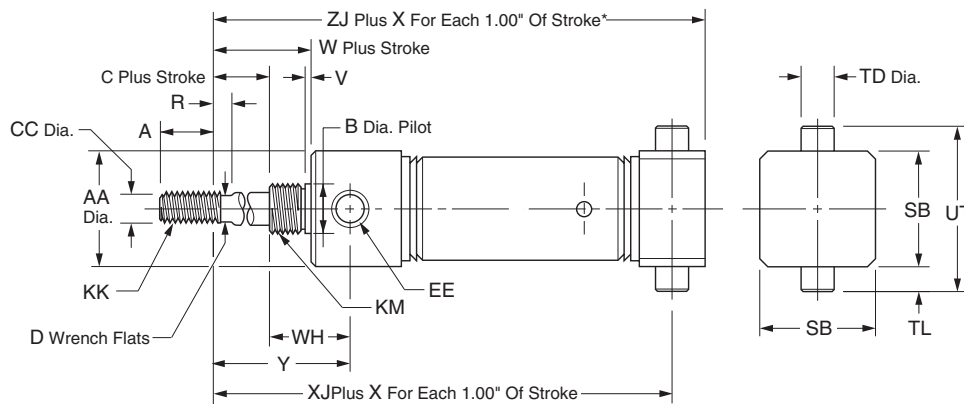
Bore Size	SR		Std. Stroke (in)	Max. Stroke (in)	SS Rod			B	C	CC	D	EE
	SR	SRM			Std	A	AA					
7/16"	•	•	1/2, 1, 2, 3, 4	6	3	0.50	0.50	0.374	-	0.188	-	#10-32
3/4"	•	•	1, 2, 3, 4	6	3	0.75	0.81	0.499	0.25	0.250	0.22	1/8 NPTF
1-1/16"	•	•	1, 2, 3, 4	6	3	0.75	1.12	0.624	0.38	0.312	0.25	1/8 NPTF
1-1/2"	•	•	1, 2, 3, 4	6	3	1.25	1.56	0.749	0.25	0.437	0.38	1/4 NPTF

Bore Size	KK	KM	SB	SW	TD	TL	UT	V	W	X	SR		SRM	
											XJ	XJ	ZJ	ZJ
7/16"	#10-32 UNF	3/8-24 UNF	0.75	0.38	0.374	0.50	1.25	0.05	0.32	0.94**	1.38	-	1.62	-
3/4"	1/4-28 UNF	1/2-20 UNF	1.00	0.44	0.500	0.38	1.75	0.09	0.62	1.69	1.94	2.19	2.31	2.56
1-1/16"	5/16-24 UNF	5/8-18 UNF	1.25	0.44	0.500	0.38	2.00	0.09	0.88	1.81	2.44	2.69	2.81	3.06
1-1/2"	7/16-20 UNF	3/4-16 UNF	1.75	0.62	0.500	0.38	2.50	0.09	0.88	2.00	2.56	2.81	3.06	3.31

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.  
\*\* For each 0.50" of stroke.

Style TRR

Rear trunnion mount, single acting, spring extend



Bore Size	SR		Std. Stroke (in)	Max. Stroke (in)	SS Rod			B	C	CC	D	EE
	SR	SRM			Std	A	AA					
3/4"	•	•	1, 2, 3, 4	6	3	0.75	0.86	0.624	0.25	0.250	0.22	1/8 NPTF
1-1/16"	•	•	1, 2, 3, 4	6	3	0.75	1.12	0.624	0.38	0.312	0.25	1/8 NPTF
1-1/2"	•	•	1, 2, 3, 4	6	3	1.25	1.56	0.749	0.25	0.437	0.38	1/4 NPTF

Bore Size	KK	KM	R	SB	TD	TL	UT	V	W	WH	X	SR		SRM	
												XJ	XJ	ZJ	ZJ
3/4"	1/4-28 UNF	1/2-20 UNF	0.25	1.00	0.500	0.38	1.75	0.09	0.75	0.72	2.69	2.85	3.10	3.22	3.47
1-1/16"	5/16-24 UNF	5/8-18 UNF	0.25	1.25	0.500	0.38	2.00	0.09	0.88	0.68	2.81	3.15	3.40	3.53	3.78
1-1/2"	7/16-20 UNF	3/4-16 UNF	0.25	1.75	0.500	0.38	2.50	0.09	0.88	1.25	3.00	3.38	3.63	3.88	4.13

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

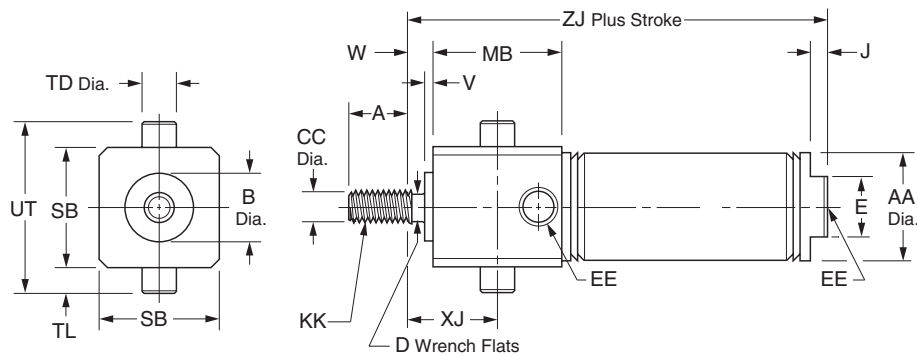
C Round Body Pneumatic Cylinders  
 SR/SRM/SRD/SRDM Series  
 SRG/SRGM Series  
 P1A Series  
 P Series



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Style TFD

Front trunnion mount, double acting

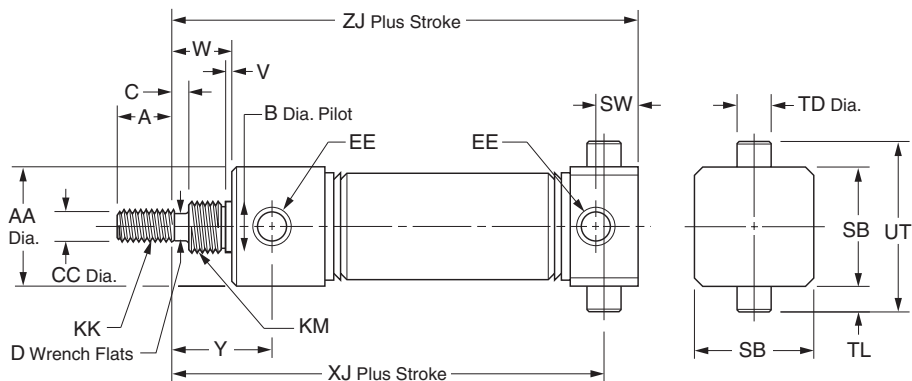


Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	CC	D	E	EE
7/16"	•	•	1/2, 1, 1-1/2, 2, 3, 4	12	3	0.50	0.50	0.437	0.188	-	0.38	#10-32
3/4"	•	•	1, 2, 3, 4, 5, 6	12	3	0.75	0.81	0.624	0.250	0.22	0.62	1/8 NPTF
1-1/16"	•	•	1, 2, 3, 4, 5, 6	12	3	0.75	1.12	0.750	0.312	0.25	0.88	1/8 NPTF
1-1/2"	•	•	1, 2, 3, 4, 5, 6	12	3	1.25	1.56	1.000	0.437	0.38	0.88	1/4 NPTF

Bore Size	J	KK	MB	SB	TD	TL	UT	V	W	XJ	SR ZJ	SRM ZJ
7/16"	0.19	#10-32 UNF	0.88	0.75	0.374	0.250	1.25	0.062	-	0.31	2.12	-
3/4"	0.19	1/4-28 UNF	1.12	1.00	0.500	0.38	1.75	0.093	0.34	0.69	3.22	3.22
1-1/16"	0.19	5/16-24 UNF	1.41	1.25	0.500	0.38	2.00	0.093	0.47	1.09	3.75	3.91
1-1/2"	0.25	7/16-20 UNF	1.88	1.75	0.500	0.38	2.50	0.125	0.38	1.31	4.19	4.44

Style TRD

Rear trunnion mount, double acting



Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	C	CC	D	EE
7/16"	•	•	1/2, 1, 1-1/2, 2, 3, 4	12	3	0.50	0.74	0.437	-	0.188	-	#10-32
3/4"	•	•	1, 2, 3, 4, 5, 6	12	3	0.75	0.86	0.624	0.25	0.250	0.22	1/8 NPTF
1-1/16"	•	•	1, 2, 3, 4	12	3	0.75	1.12	0.624	0.38	0.312	0.25	1/8 NPTF
1-1/2"	•	•	1, 2, 3, 4, 5, 6	12	3	1.25	1.56	0.749	0.25	0.437	0.38	1/4 NPTF

Bore Size	KK	KM	SB	SW	TD	TL	UT	V	W	SR XJ	SRM XJ	Y	SR ZJ	SRM ZJ
7/16"	#10-32 UNF	7/16-20 UNF	0.75	0.38	0.374	0.25	1.25	0.05	0.38	2.19	-	0.72	2.44	-
3/4"	1/4-28 UNF	5/8-18 UNF	1.00	0.44	0.500	0.38	1.75	0.09	0.75	3.41	3.41	1.22	3.78	3.78
1-1/16"	5/16-24 UNF	5/8-18 UNF	1.25	0.44	0.500	0.38	2.00	0.09	0.88	3.62	3.62	1.44	4.00	4.16
1-1/2"	7/16-20 UNF	3/4-16 UNF	1.75	0.62	0.500	0.38	2.50	0.09	0.88	3.88	4.13	1.47	4.38	4.63

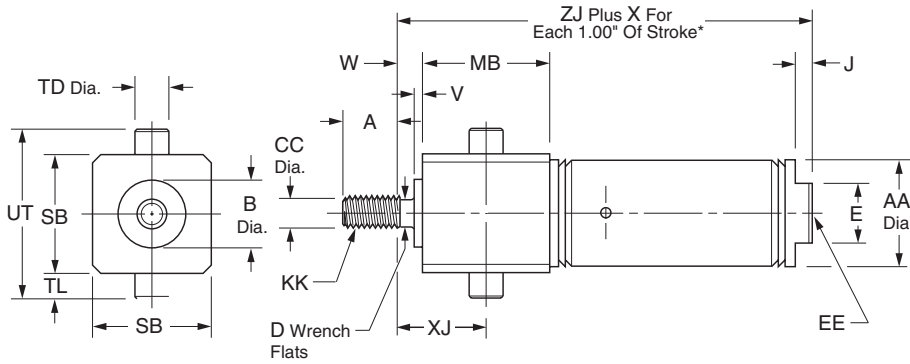


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



Style TFN

Front trunnion mount, single acting, spring return



Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	CC	D	E	EE
7/16"	•	•	1/2, 1, 1-1/2, 2, 3	6	3	0.50	0.50	0.437	0.188	-	0.38	#10-32
3/4"	•	•	1/2, 1, 2, 3, 4	6	3	0.75	0.81	0.624	0.250	0.22	0.62	1/8 NPTF
1-1/16"	•	•	1, 2, 3, 4	6	3	0.75	1.12	0.750	0.312	0.25	0.88	1/8 NPTF
1-1/2"	•	•	1, 2, 3, 4	6	3	1.25	1.56	1.000	0.437	0.38	0.88	1/4 NPTF

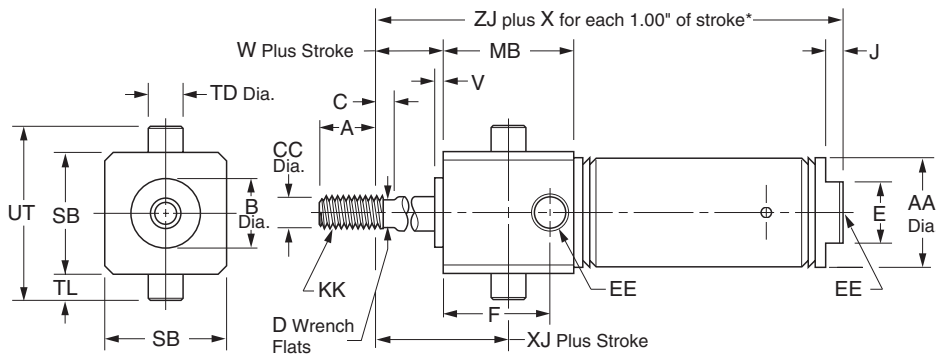
Bore Size	J	KK	MB	SB	TD	TL	UT	V	W	X	XJ	ZJ	SR	SRM
7/16"	0.19	#10-32 UNF	0.88	0.75	0.374	0.25	1.25	0.062	0	0.94**	0.31	1.94	-	-
3/4"	0.19	5/16-24 UNF	1.12	1.00	0.500	0.38	1.75	0.093	0.34	1.69	0.69	2.66	2.91	2.91
1-1/16"	0.25	7/16-20 UNF	1.41	1.25	0.500	0.38	2.00	0.093	0.47	1.81	1.09	3.38	3.63	3.63
1-1/2"			1.88	1.75	0.500	0.38	2.50	0.125	0.38	2.00	1.31	3.69	3.94	3.94

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

\*\* For each 0.50" of stroke

Mounting Style TFR

Front trunnion mount, single acting, spring extend



Bore Size	SR	SRM	Std. Stroke (in)	Max. Stroke (in)	Ss Rod Std	A	AA	B	C	CC	D	E
3/4"	•	•	1, 2, 3, 4	6	3	0.75	0.81	0.624	0.25	0.250	0.22	0
1-1/16"	•	•	1, 2, 3, 4	6	3	0.75	1.12	0.750	0.25	0.312	0.25	0
1-1/2"	•	•	1, 2, 3, 4	6	3	1.25	1.56	1.000	0.25	0.437	0.38	0.88

Bore Size	F	EE	J	KK	MB	SB	TD	TL	UT	V	W	X	XJ	ZJ	SR	SRM
3/4"	0.88	1/8 NPTF	-	1/4-28 UNF	1.12	1.00	0.500	0.38	1.75	0.093	0.34	2.69	0.69	2.56	2.81	2.81
1-1/16"	1.16	1/8 NPTF	-	5/16-24 UNF	1.41	1.25	0.500	0.38	2.00	0.093	0.47	2.81	1.09	3.12	3.37	3.37
1-1/2"	-	1/4 NPTF	0.25	7/16-20 UNF	1.88	1.75	0.500	0.38	2.50	0.125	0.38	3.00	1.31	3.69	3.94	3.94

\* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one half inch.

Round Body Pneumatic Cylinders  
 SR/SRM/SRD/SRDM Series  
 SRG/SRGM Series  
 P1A Series  
 P Series



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**Air Reservoirs**

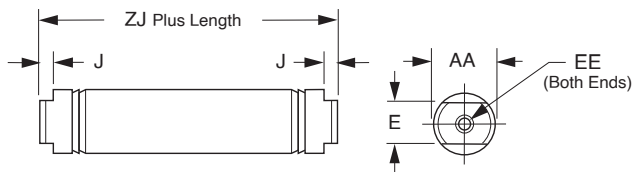
Air Reservoirs installed can significantly reduce the pulsation of a system. In addition air reservoirs can be used as a means to store energy. Caution should always be used when storing energy. Air reservoirs if installed in the correct location and sized correctly can temporarily increase the flow of an actuator or cylinder.

As always never exceed the rated pressure of the cylinder.

**Ordering information**

<b>.75</b>	<b>AR</b>	<b>SR</b>	<b>2.00</b>
<b>Bore Size*</b>	<b>Mounting</b>		<b>Length</b>
<b>.75</b> 3/4"	AR    Air Reservoir		Specify in inches. See table below.
<b>1.06</b> 1-1/16"			
<b>1.50</b> 1-1/2"			
<b>2.00</b> 2"			
<b>2.50</b> 2-1/2"			
<b>3.00</b> 3"			

Bore Size	Standard Lengths	Max. Length	Volume (in <sup>3</sup> )
3/4"	1" increments to 4"	32"	0.39 plus 0.44 per inch length
1-1/16"	1" increments to 8"	32"	0.99 plus 0.89 per inch length
1-1/2"	1" increments to 16"	32"	1.91 plus 1.77 per inch length
2"	1" increments to 16"	32"	4.22 plus 3.14 per inch length
2-1/2"	1" increments to 16"	32"	7.04 plus 4.91 per inch length
3"	1" increments to 16"	32"	9.90 plus 7.07 per inch length



Bore Size	AA	E	EE	J	ZJ
3/4"	0.813	0.625	1/8" NPTF	0.19	1.938
1-1/16"	1.125	0.88	1/8" NPTF	0.19	2.375
1-1/2"	1.56	0.88	1/8" NPTF	0.250	2.250
2"	2.08	1.25	1/4" NPTF	0.312	2.875
2-1/2"	2.62	1.75	1/4" NPTF	0.312	2.875
3"	3.16	2.00	3/8" NPTF	0.312	3.190



Round Body  
Pneumatic Cylinders

SR/SRM/SRD/SRDM  
Series

SRG/SRGM  
Series

P1A  
Series

P  
Series

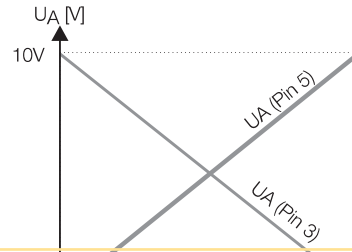


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Options

Bumpers

Bumpers are available at extra cost except where noted as standard. Add the following dimensions to the overall cylinder length by bore.



SR Bumper Adder

Cylinder Type	SR Series Bore Size											
	5/16"	7/16"	9/16"	3/4"	7/8"	1-1/16"	1-1/4"	1-1/2"	1-3/4"	2"	2-1/2"	3"
Spring Return	*	0.062"	0.062"	0.125"	*	0.125"	*	**	*	0.125"	N/A	N/A
Spring Extend	*	0.125"	0.062"	0.125"	*	0.125"	*	**	*	0.125"	N/A	N/A
Double Acting	*	0.188"	0.125"	**	*	0.125"	*	0.125"	*	0.250"	0.250"	N/A
K-type	N/A	0.250"	0.125"	**	*	0.250"	*	0.125"	*	0.250"	0.250"	N/A

\* Bumpers are furnished as standard and do not affect overall length.  
\*\* Bumpers do not affect overall length.

SRM Bumper Adder

Cylinder Type	SRM Series Bore Size							
	9/16"	3/4"	1-1/16"	1-1/4"	1-1/2"	1-3/4"	2"	2-1/2"
Spring Return	0.062"	0.125"	0.125"	0.125"	0.125"	*	0.125"	N/A
Spring Extend	0.062"	0.125"	0.125"	0.125"	0.125"	*	0.125"	N/A
Double Acting	0.125"	0.250"	0.250"	0.250"	0.250"	*	0.250"	0.250"
K-type	0.125"	0.312"	0.250"	0.250"	0.250"	*	0.250"	0.250"

Fluorocarbon Seals

Available on all bore sizes at extra cost. Only available on SRM/SRDM for chemical compatibility, not high heat.

Rod Wiper

SR/SRM Series cylinders can be fitted with a rod wiper that is specially designed to prevent contaminants from clinging to the piston rod and damaging the piston rod seal. Available in 3/4", 1-1/16", and 1-1/2" bores, the piston rod wiper can be added to the SR/SRM and SRD/SRDM series.

Stainless Steel Piston Rods

Corrosion resistant stainless steel is the standard piston rod material for all bore sizes up to and including 1-1/2 inch bore at no additional cost. The only exception to the stainless steel standard is when a hollow rod, KDXH option is specified. Stainless steel is also the standard material on block, trunnion, hex/non-rotating and KDX mounts. Stainless steel is available on other sizes for an additional charge.

Round Body Pneumatic Cylinders  
 SR/SRM/SRD/SRDM Series  
 SRG/SRGM Series  
 P1A Series  
 P Series



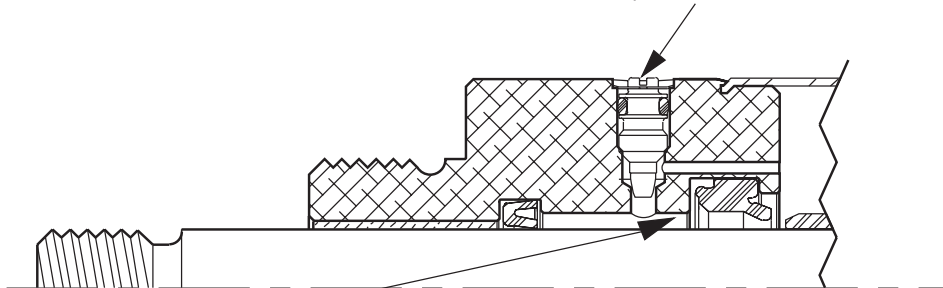
For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

**Adjustable Cushion Option**

Cushions can be selected on nine bore sizes, ranging from 0.75" bore to 3.0" bore with mounting styles D, front nose mount, and DXP, rear pivot mount. Adjustable cushions are not available with double rod SR Series cylinders.

**Cushion Adjusting Needle Valves**

The fine-thread cushion needle valves make precise adjustment quick and easy. The needle valve is fully captured to allow for safe cushion adjustment while cylinder is pressurized. The brass needle valves are corrosion resistant. The standard position for needle valve adjustments is position 1, 90° from the port. See port location table for SR Series Cylinders.



**Check Seal Cushion**

The "Check Seal" system offers excellent cushioning efficiency and long cushion seal life. This seal is specifically designed for cushion applications and has a long proven history in our products. Extensive side by side testing of the check seal in SR Series cylinders significantly outlasted and outperformed competitors' o-ring shaped seals.

The Check Seal's unique geometry exhibits the dynamic sealing capabilities of a lipseal. As the cushion sleeve enters the Check Seal at the end of stroke, the Check Seal blocks the air from exhausting directly through the port and forces the air through

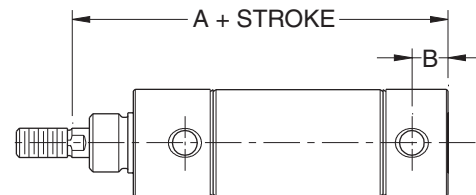
the adjustable needle valve orifice. The exhaust airflow is precisely metered to control the desired rate of deceleration of the cylinder piston.

During stroke reversal, the check valve action of the Check Seal induces a fast out-of-cushion response. The Check Seal floats forward in the retainer groove as the cushion sleeve exits the Cushion Seal, thereby creating a path for maximum air flow around the Check Seal to access the piston face. The quick response of the Check Seal design yields faster cycle times and increased productivity.

**Critical Mounting Dimensions for SR Series and SRM Cylinders with Adjustable Cushions**

In most cases, cylinder mounting dimensions are not affected when cushions are specified. Standard catalog dimensions apply when cushions are specified at either end of a DXP mount and when specified at the head end only of a D mount. **The only exception to standard catalog dimensions is when a cushion is specified on the cap end or both ends of a D mount.** Please consult Table A for the critical mounting dimensions on D mount SR and SRM cylinders with cushions both ends or cushions cap end only.

Table B shows the cushion lengths for SR and SRM cylinders.



D Mount

**Table A:**  
Critical Mounting Dimensions for D Mount SR and SRM Cylinders with Cushions Both Ends or Cushions Cap End Only.

Bore Size	SR Dimensions		SRM Dimensions	
	A + Stroke	B	A + Stroke	B
.75	3.40	0.28	3.40	0.28
.88	3.25	0.28	N/A	N/A
1.06	3.49	0.28	3.65	0.28
1.25	4.31	0.38	4.34	0.38
1.50	3.88	0.31	4.12	0.31
1.75	5.25	0.42	5.53	0.42
2.00	5.06	0.47	5.34	0.47
2.50	5.06	0.47	5.06	0.47
3.00	5.69	0.53	N/A	N/A

**Table B:**  
Cushion Lengths for SR and SRM Cylinders.

Bore Size	Cushion Lengths	
	Head	Cap
.75	0.750	0.625
.88	0.750	0.625
1.06	0.750	0.625
1.25	0.750	0.625
1.50	0.750	0.625
1.75	0.875	0.625
2.00	0.875	0.750
2.50	0.875	0.750
3.00	0.875	1.000

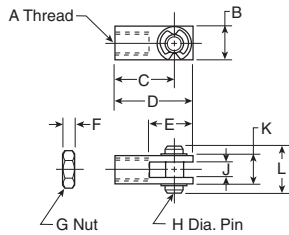


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**Piston Rod Clevis**

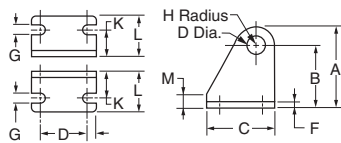
Assembly includes pin and (2) retainer rings and (1) jam nut.



Bore Size	A	B	C	D	E	F	G	H	J	K	L	Part Number
5/16	#5-40	.31	.44	.56	.38	.11	#5-40	.12	.13	.31	.50	L071300025
7/16, 9/16	#10-32	.38	.75	.94	.56	.12	#10-32	.19	.19	.38	.56	L071300100 L077130100*
3/4, 7/8	1/4-28	.50	.94	1.19	.68	.16	1/4-28	.25	.25	.50	.69	L071300200 L077130200*
1-1/16	5/16-24	.50	.94	1.19	.68	.19	5/16-24	.25	.25	.50	.69	L071300300 L077130300*
1-1/4, 1-1/2	7/16-20	.75	1.31	1.69	.94	.25	7/16-20	.38	.38	.75	1.03	L071300400 L077130400*
1-3/4, 2, 2-1/2	1/2-20	.75	1.31	1.69	.94	.31	1/2-20	.38	.38	.75	1.03	L071300500 L077130500*
3	5/8-18	1.00	2.25	2.75	1.50	.38	5/8-18	.50	.50	1.00	1.38	L071300600

\* Stainless Steel for use with SRD/SRDM cylinders.

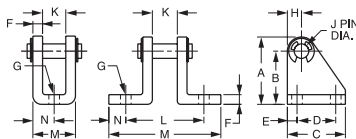
**Pivot Brackets**



Bore Size	A	B	C	D	E	F	G	H	J	K	L	M	Part Number
7/16	.76	.56	.75	.50	.12	.06	.19	.20	.160	.28	.50	.12	L071310100
3/4, 7/8, 1-1/16	1.19	.88	1.12	.75	.19	.12	.27	.31	.255	.44	.81	.25	L071310200
1-1/2	1.75	1.38	1.50	1.00	.25	.12	.27	.38	.380	.62	1.00	.25	L071310300

**Pivot Bracket Assembly**

Assembly includes pin and (2) retainer rings.

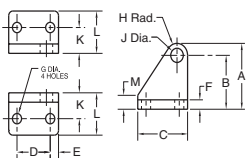


Bore Size	A	B	C	D	E	F	G	H	J	K	L	M	N	Part Number
5/16	.53	.40	.62	.38	.12	.04	.16	.12	.12	.26	-	.36	.18	L071320025
7/16, 9/16	.76	.56	.75	.50	.12	.06	.19	.19	.156	.34	.91	1.34	.22	L071320100 L077150100*
3/4, 7/8, 1-1/16	1.18	.88	1.12	.75	.19	.12	.27	.30	.250	.38	1.25	2.00	.38	L071320200 L077150200*
1-1/4	1.18	.88	1.12	.75	.19	.12	.27	.30	.250	.50	1.38	2.14	.38	L071320300
1-1/2, 1-3/4	1.75	1.38	1.50	1.00	.25	.25	.27	.37	.375	.62	2.00	2.88	.44	L071320400 L077150400*
2, 2-1/2	1.75	1.38	1.50	1.00	.25	.25	.27	.37	.375	.75	2.12	3.00	.44	L071320500 L077150500*
3	2.25	1.75	1.75	1.25	.25	.25	.27	.50	.50	.88	2.62	3.88	.62	L071320600

\* Stainless steel for use with SRD/SRDM cylinders.

**SR Series Trunnion Brackets**

Select brackets for SR series trunnion mount cylinders from the table below. (Note: trunnion brackets are ordered as a separate item from the cylinder.)



Bore Size	A	B	C	D	E	F	G	H	J	K	L	M	Part Number
7/16	1.75	1.38	1.50	1	.25	.25	.27	.38	.375	.69	1.12	.37	L076600100
3/4, 1-1/16, 1-1/2	1.75	1.38	1.50	1	.25	.25	.27	.38	.500	.69	1.12	.37	L076600200

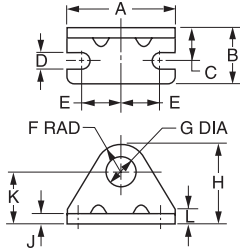
Most popular.



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



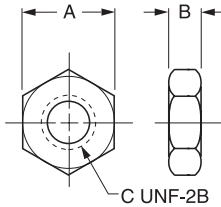
**Foot Brackets**



Bore Size	A	B	C	D	E	F	G	H	J	K	L	Part Number
5/16 ^	1.00	.37	.25	.13	.37	.31	.38	.75	.06	.44	.12	L073790023
7/16 †	1.38	.62	.31	.19	.50	.31	.38	.88	.07	.56	.12	L073790024
7/16, 9/16	1.38	.62	.38	.19	.50	.38	.44	.94	.09	.56	.12	L073790028 L077160028*
3/4 †	1.62	.75	.44	.19	.62	.41	.50	1.09	.10	.69	.19	L073790032
3/4, 7/8, 1-1/16	1.88	1.00	.56	.27	.75	.56	.63	1.38	.12	.81	.25	L073790040 L077160040*
1-1/4, 1-1/2	2.50	1.50	.75	.27	.94	.75	.75	1.75	.12	1.00	.38	L073790048 L077160048*
1-3/4	3.00	1.50	.87	.35	1.12	.91	1.03	2.16	.19	1.25	.50	L073790102
2	3.12	1.62	1.00	.34	1.12	1.00	1.38	2.50	.25	1.50	.62	L073790124 L077160124*
2-1/2	3.75	1.62	1.00	.35	1.44	1.25	1.51	3.00	.25	1.75	.75	L073790132
3	4.37	1.62	1.00	.35	1.75	1.25	1.64	3.14	.25	1.89	.89	L073790140

\* Stainless Steel for use with SRD/SRDM cylinders.  
 † Used for spring return, non-ported head cylinders only.  
 ^ N/A for spring return, non-ported head cylinders (N, P mounts)

**Mounting Nut**



Bore Size	A	B	C	Part Number
5/16 †	.44	.16	1/4-28	L073800200
5/16, 7/16 †	.56	.22	3/8-24	L073800400
7/16, 9/16	.69	.25	7/16-20	L073800500 L077170500*
3/4 †	.75	.31	1/2-20	L073800600
3/4, 7/8, 1-1/16	.94	.38	5/8-18	L073800800 L077170800*
1-1/4, 1-1/2	1.12	.42	3/4-16	L073800900
1-1/4, 1-1/2	1.12	.72	3/4-16	L077170900*
1-3/4	1.50	.55	1-14	L073801100
2	1.88	.50	1-1/4-12	L073801200 L077171200*
2-1/2	2.06	.78	1-3/8-12	L073801400
3	2.25	.84	1-1/2-12	L073801500

\* Stainless Steel for use with SRD/SRDM cylinders.  
 † Used for spring return, non-ported head cylinders only.

Most popular.



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



Features

SRG & SRGM Series

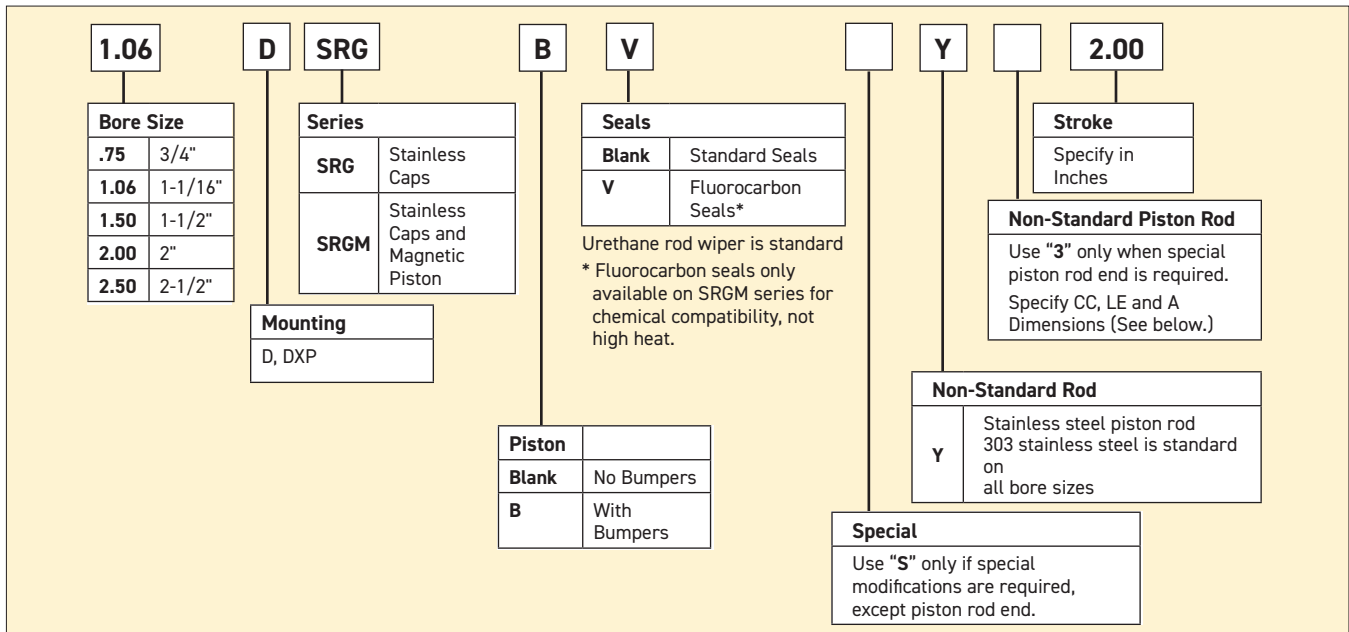
- 304 stainless steel cylinder body, non repairable construction
- 303 Stainless steel heads and caps
- 303 Stainless steel piston rod standard on all bore sizes
- Urethane rod wiper standard
- Available with bumpers and magnetic pistons
- Double acting models only
- Available with Nose, Foot and Pivot Mounts
- Corrosion resistant, reinforced plastic pivot bushing
- Not available with cushions
- Order mounting nut separately



Operating information

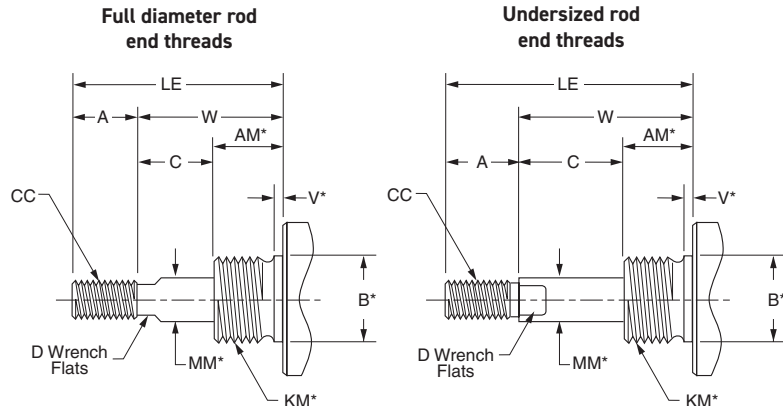
Operating pressure: 250 PSIG (17 bar) for SRG and SRGM  
 Temperature range: -10°F to 165°F (-23°C to 74°C) for SRG  
 14°F to 140°F (-10°C to 60°C) for SRGM  
 -10°F to 250°F (Fluorocarbon seals) for SRG  
 Filtration requirements: 40 micron, dry filtered air

Ordering Information



Non-Standard Rods

For non-standard rod dimensions, or undersized rod end threads, put a "3" in model number and describe the rod using the letters shown in the drawing. Specify CC, LE and A dimensions. LE is measured in retracted position.



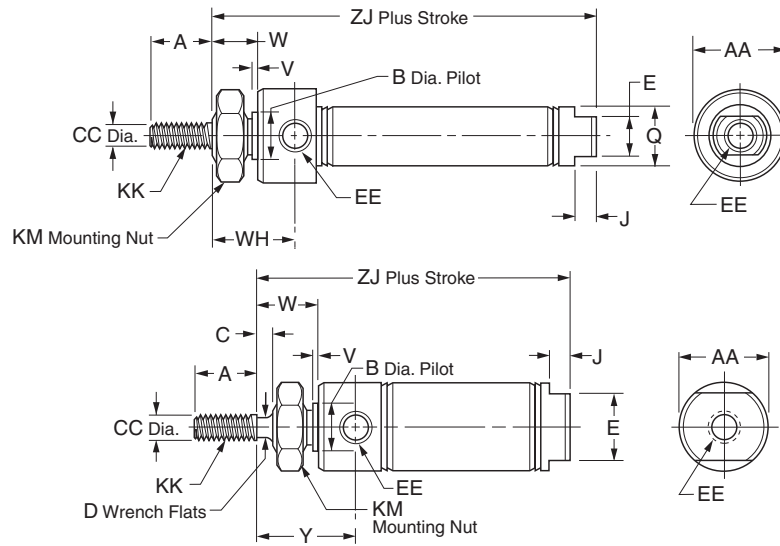
\* Requires an S designation in model number.



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

**Mounting Style D**

Nose mount, double acting



Bore Sizes †  
3/4" \*

Bore Sizes †  
1-1/16" \*  
1-1/2" \*  
2" \*  
2-1/2" \*

\* No mounting nuts  
† Mounting nuts sold separately for all series SRG

Bore Size	Std. Stroke (in)	Max. Stroke (in)	SS Rod Std	A	AA	B	C	CC	D
3/4"	1/2, 1, 2, 2-1/2, 3, 4, 5, 6, 8, 10	12	3	0.50	0.86	0.624	-	0.250	-
1-1/16"	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	12	3	0.50	1.12	0.624	0.12	0.312	0.25
1-1/2"	1/2, 1, 2, 3, 4, 5, 6, 8, 10, 12	12	3	0.75	1.56	0.749	0.25	0.437	0.38
2"	-	12	3	0.88	2.08	1.374	0.38	0.625	0.50
2-1/2"	-	12	3	0.88	2.62	1.500	0.38	0.625	1/2

Bore Size	E	EE	J	KK	KM	Q	V	W	WH	Y	ZJ	
											SRG	SRGM
3/4"	0.62	1/8 NPTF	0.19	1/4-28 UNF	5/8-18	0.81	0.09	0.50	0.97	-	2.97	2.97
1-1/16"	0.88	1/8 NPTF	0.19	5/16-24 UNF	5/8-18	-	0.09	0.62	-	1.19	3.25	3.41
1-1/2"	0.88	1/8 NPTF	0.25	7/16-20 UNF	3/4-16	-	0.09	0.88	-	1.50	3.69	3.94
2"	1.25	1/4 NPTF	0.31	1/2-20 UNF	1-1/4-12	-	0.12	1.19	-	1.88	4.69	4.97
2-1/2"	1.75	1/4 NPTF	0.31	1/2-20 UNF	1-3/8-12	-	0.13	1.19	-	1.84	4.69	4.69

† Mounting nuts sold separately for all series SRG

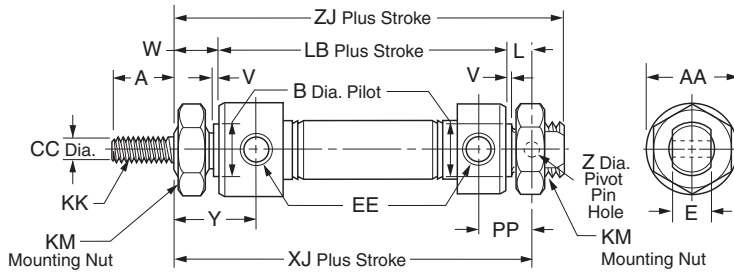
**C**  
 Round Body Pneumatic Cylinders  
 SR/SRM/SRD/SRDM Series  
 SRG/SRGM Series  
 P1A Series  
 P Series



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

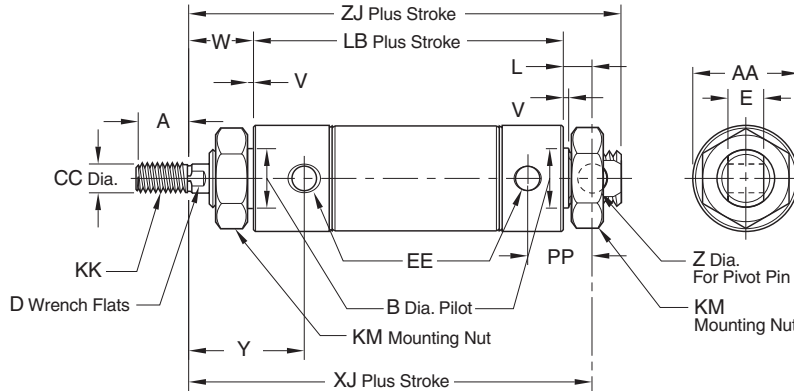
Style DXP

Pivot & nose mount, double acting, no pivot pin



Bore Sizes †

3/4" \*



Bore Sizes †

1-1/16" \*

1-1/2" \*

2" \*

2-1/2" \*

\* No mounting nuts

† Mounting nuts sold separately for all series SRG

Bore Size	Std. Stroke (in)	SS Max. Stroke (in)	SS Rod Std	SS							
				A	AA	B	CC	D	E	EE	
3/4"	1, 2, 3, 4, 5, 6, 8, 10	32	3	0.50	0.86	0.624	0.250	-	0.38	1/8 NPTF	
1-1/16"	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	32	3	0.50	1.12	0.624	0.312	0.25	0.38	1/8 NPTF	
1-1/2"	-	32	3	0.75	1.56	0.749	0.437	0.38	0.62	1/8 NPTF	
2"	-	32	3	0.88	2.08	1.374	0.625	0.50	0.75	1/4 NPTF	
2-1/2"	-	32	3	0.88	2.62	1.500	0.625	1/2	0.75	1/4 NPTF	

Bore Size	XJ							ZJ					
	KK	KM	L	LB	PP	V	W	SRG	SRGM	Y	Z	SRG	SRGM
3/4"	1/4-28 UNF	5/8-18	0.34	2.91	0.62	0.09	0.50	3.75	3.75	0.97	0.251	4.03	4.03
1-1/16"	5/16-24 UNF	5/8-18	0.34	-	0.62	0.09	0.62	3.84	-	1.19	0.251	4.12	4.28
1-1/2"	7/16-20 UNF	3/4-16	0.50	-	0.81	0.09	0.88	4.38	4.63	1.50	0.376	4.75	5.00
2"	1/2-20 UNF	1-1/4-12	0.56	-	1.03	0.12	1.19	5.62	5.91	-	0.376	6.06	6.34
2-1/2"	1/2-20 UNF	1-3/8-12	0.56	-	1.03	0.13	1.19	5.62	5.62	1.84	0.376	6.06	6.06

† Mounting nuts sold separately for all series SRG

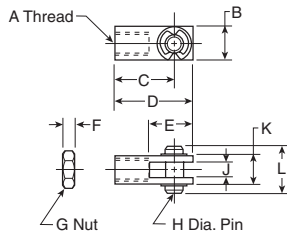
Round Body Pneumatic Cylinders  
 SR/SRM/SRD/SRDM Series  
 SRG/SRGM Series  
 P1A Series  
 P Series



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

**Piston Rod Clevis**

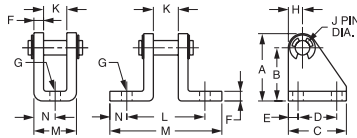
Assembly includes pin and (2) retainer rings and (1) jam nut.



Bore Size	A	B	C	D	E	F	G	H	J	K	L	Part Number
3/4	1/4-28	.50	.94	1.19	.68	.16	1/4-28	.25	.25	.50	.69	L077130200
1-1/16	5/16-24	.50	.94	1.19	.68	.19	5/16-24	.25	.25	.50	.69	L077130300
1-1/2	7/16-20	.75	1.31	1.69	.94	.25	7/16-20	.38	.38	.75	1.03	L077130400
2, 2-1/2	1/2-20	.75	1.31	1.69	.94	.31	1/2-20	.38	.38	.75	1.03	L077130500

**Pivot Bracket Assembly**

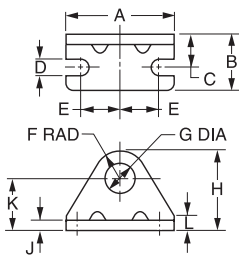
Assembly includes pin and (2) retainer rings.



Bore Size	A	B	C	D	E	F	G	H	J	K	L	M	N	Part Number
3/4, 1-1/16	1.18	.88	1.12	.75	.19	.12	.27	.30	.250	.38	1.25	2.00	.38	L077150200
1-1/2	1.75	1.38	1.50	1.00	.25	.25	.27	.37	.375	.62	2.00	2.88	.44	L077150400
2, 2-1/2	1.75	1.38	1.50	1.00	.25	.25	.27	.37	.375	.75	2.12	3.00	.44	L077150500

Stainless steel.

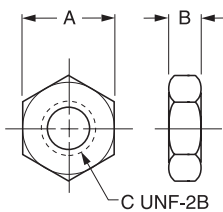
**Foot Brackets**



Bore Size	A	B	C	D	E	F	G	H	J	K	L	Part Number
3/4, 1-1/16	1.88	1.00	.56	.27	.75	.56	.63	1.38	.12	.81	.25	L077160040
1-1/2	2.50	1.50	.75	.27	.94	.75	.75	1.75	.12	1.00	.38	L077160048
2	3.12	1.62	1.00	.34	1.12	1.00	1.38	2.50	.25	1.50	.62	L077160124
2-1/2	3.75	1.62	1.00	.35	1.44	1.25	1.51	3.00	.25	1.75	.75	L077160132

Stainless steel.

**Mounting Nut**



Bore Size	A	B	C	Part Number
3/4, 1-1/16	.94	.38	5/8-18	L077170800
1-1/2	1.12	.42	3/4-16	L077170900
2	1.88	.50	1-1/4-12	L077171200
2-1/2	2.06	.78	1-3/8-12	L077171400

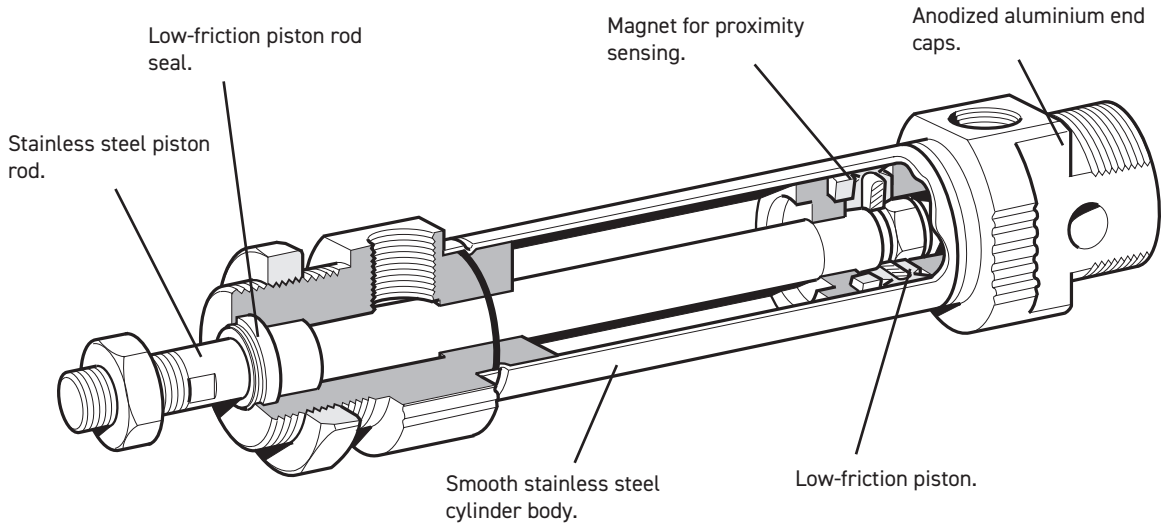
Stainless steel.

**C**  
 Round Body  
 Pneumatic Cylinders  
 SR/SRM/SRD/SRDM  
 Series  
 SRG/SRGM  
 Series  
 P1A  
 Series  
 P  
 Series



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

**P1A Series**



The Parker P1A series of pneumatic cylinders are intended for use in a wide range of applications. These cylinders are particularly suitable for lighter duties in the packaging, food and textile industries. Hygienic design, the use of corrosion-resistant materials and initial lubrication with our food-grade grease makes the cylinders suitable for food industry applications.

Proven design and high quality manufacturing throughout ensure long service life and optimum performance.

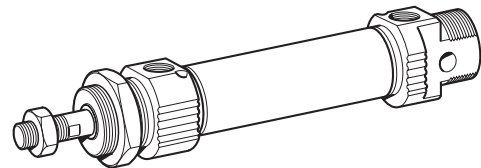
Mounting dimensions are in accordance with ISO 6432 and CETOP RP52P. This greatly simplifies installation and world-wide interchangeability.

The Mini ISO range is available with bumpers or adjustable pneumatic cushioning. Controlled by simple bleed screws for fine adjustment, the adjustable cushioned cylinders can be operated with higher mass loads and at higher speeds than those with fixed end cushioning bumpers.

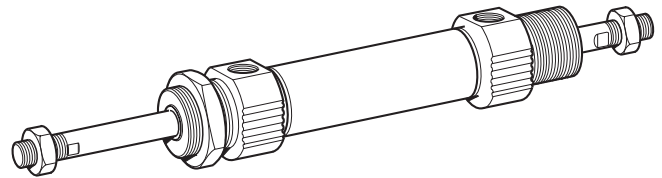
The Mini ISO range is also available in an all-stainless version with piston rod, cylinder body and end covers of stainless steel for use in extremely severe environments. Consult the Wadsworth, Ohio facility for more information.

A complete range of sensors for proximity sensing is available as accessories: both reed and solid state sensors are available. Either can be supplied with flying leads or cable and multi-pin connector. See Electronic Sensors section for specifications and part numbers.

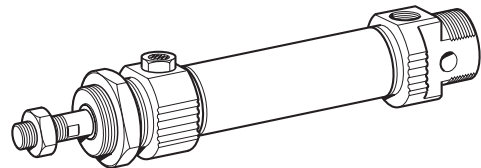
**Double Acting**



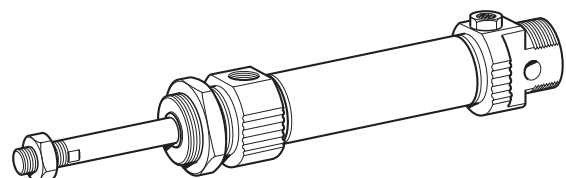
**Double Acting, Double Rod**



**Single-Acting, Spring Return**



**Single-Acting, Spring Extend**



C	Round Body Pneumatic Cylinders
	SR/SRM/SRD/SRDM Series
	SRG/SRGM Series
	P1A Series
	P Series



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Features

- Conforms to ISO 6432 and CETOP RP52P standards
- 5 bore sizes, 10mm to 25mm
- Stainless steel body with black anodized aluminum end caps
- Stainless steel piston rod
- Magnetic piston and bumpers standard



Operating information

Operating pressure:	10 bar (145 PSIG)
Temperature range:	
Working	-20°C to 80°C (-4°F to 176°F)
High temperature version	
20mm, 25mm	-10°C to 150°C (14°F to 302°F)
10mm, 12mm, 16mm	-10°C to 120°C (14°F to 248°F)
Filtration requirements:	40 micron, dry filtered air

Ordering Information

P1A - S

016

M

S -

0025

**Stroke Length, mm**

E.g. 0025 = 25 mm  
For standard stroke length and max length see table below.

Bore Size		Cylinder Type / Function	
010	10mm	M	Double-Acting, Adjustable Cushioning, Ø16-25 mm. Not for Sealing Material Type F.
012	12mm	D	Double-Acting, Bumpers, Ø10 - Ø25
016	16mm	F	Double-Acting, Adjustable Cushioning, Double Rod, Ø16-25 mm. Not for Sealing Material Type F.
020	20mm	K	Double-Acting, Bumpers, Double Rod, Ø10 - Ø25
025	25mm	S	Single-Acting, Bumpers, Spring Return for Retract Stroke, Ø10-25 mm
		T	Single-Acting, Bumpers, Spring Extend for Advance Stroke, Ø16-25 mm

Sealing Material	
S	Standard -20°C to 80°C (-4°F to 176°F) Magnetic Piston
F	High Temperature: Ø12 mm, 16 mm, 20 mm and 25 mm -10°C to 150°C. (14°F to 302°F) Non Magnetic Piston
V	External Seals of Fluorinated Rubber -20°C to +80°C (-4°F to 176°F) Magnetic Piston

Stroke Lengths																	
Cylinder Model	Bore Size	Stroke Length (· = standard, ° = non-standard, blank = N/A)															
		10	15	20	25*	30	40	50*	80*	100*	125*	160*	200*	250*	320*	400*	500*
<b>Double Acting with Fixed End-Cushioning:</b>																	
P1A-S 010 D	10	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
P1A-S 012 D	12	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
P1A-S 016 D	16	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
P1A-S 020 D	20	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
P1A-S 025 D	25	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
<b>Double Acting with Adjustable End-Cushioning:</b>																	
P1A-S 016 M	16			·	·												
P1A-S 020 M	20			·	·												
P1A-S 025 M	25			·	·												
<b>Single Acting:</b>																	
P1A-S 010 SS	10	·	·	·	·												
P1A-S 012 SS	12	·	·	·	·												
P1A-S 016 SS(TS)	16	·	·	·	·				·**								
P1A-S 020 SS(TS)	20	·	·	·	·				·								
P1A-S 025 SS(TS)	25	·	·	·	·				·								

\* Standard stroke lengths in mm according to ISO 4393  
\*\* Not for the TS version

**Sensors**

See section L for sensors.

C

Round Body  
Pneumatic Cylinders

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SR/SRM/SRD/SRDM  
Series

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SRG/SRGM  
Series

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P1A  
Series

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P  
Series



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

**Standard Specifications**

- Working pressure max 10 bar (145 PSI)
- Working temperature max 80°C (176°F)  
min -20°C (4°F)
- High-temperature version max 150°C (Ø20 and 25 mm) 302°F  
120°C (Ø10, 12 and 16 mm) 248°F  
min -10°C (14°F)
- Prelubricated, further lubrication is not normally necessary.
- If additional lubrication is introduced it must be continued.



**Material Specification**

Piston rod	Stainless steel, DIN X 10 CrNiS 18 9
Piston rod seal	Fluorocarbon rubber FPM
Piston rod bearing	Multilayer PTFE/steel
End covers	Anodized aluminium
O-ring, internal	Nitrile rubber, NBR
Cylinder barrel	Stainless steel, DIN X 5 CrNi 18 10
Piston, complete	Nitrile rubber, NBR/steel
Magnet holder	Thermoplastic elastomer
Magnet	Plastic-coated magnetic material
Return spring	Surface-treated steel
Cushioning screw	Stainless steel, DIN X 10 CrNiS 18 9

Cylinders are supplied complete with nose mounting and piston rod nuts.  
Cylinders with double piston rods are supplied with two piston rod nuts

**Variants Mini ISO:**

**High-temperature version, type F:**

Piston rod seal	Fluorocarbon rubber, FPM
Piston complete, Ø10-Ø16	HNBR/steel
Piston complete, Ø20-Ø25	FPM/steel

**PTFE and copper free cylinders, type N:**

Piston rod bearing	PA plastic
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**Cylinders with outer sealings in fluorocarbon, type V:**

Piston rod seal/ Scraper ring	Fluorocarbon rubber, FPM
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Note: Spare part = new cylinder

**Quick Reference**

Model #	Cylinder		Piston Rod		Thread	Total Weight at 0mm Stroke (lbs)	Additional Weight per 10mm Stroke (lbs)	Air Consumption	Port Size
	Bore (mm)	Area (cm²)	Dia. (mm)	Area (cm²)					
<b>Double Acting, Cushioned Stroke</b>									
P1A-S 010 D	10	0.78	4	0.13	M4	0.09	0.007	0.0004 †	M5
P1A-S 012 D	12	1.13	6	0.28	M6	0.15	0.009	0.0005 †	M5
P1A-S 016 D	16	2.01	6	0.28	M6	0.20	0.012	0.0009 †	M5
P1A-S 020 D	20	3.14	8	0.50	M8	0.40	0.015	0.0010 †	G1/8
P1A-S 025 D	25	4.91	10	0.78	M10x1.25	0.89	0.025	0.0023 †	G1/8
<b>Double Acting, Adjustable Cushioning</b>									
P1A-S 016 M	16	2.01	6	0.28	M6	0.20	0.012	0.0009 †	M5
P1A-S 020 M	20	3.14	8	0.50	M8	0.40	0.015	0.0010 †	G1/8
P1A-S 025 M	25	4.91	10	0.78	M10x1.25	0.89	0.025	0.0023 †	G1/8
<b>Single Acting</b>									
P1A-S 010 SS	10	0.78	4	0.13	M4	0.09	0.007	0.0002 †	M5
P1A-S 012 SS	12	1.13	6	0.28	M6	0.18	0.009	0.0003 †	M5
P1A-S 016 SS(TS)	16	2.01	6	0.28	M6	0.22	0.012	0.0005 †	M5
P1A-S 020 SS(TS)	20	3.14	8	0.50	M8	0.40	0.015	0.0008 †	G1/8
P1A-S 025 SS(TS)	25	4.91	10	0.78	M10x1.25	0.58	0.025	0.0013 †	G1/8

† Free air consumption per 10 mm stroke length for a double stroke at 6 bar (87 PSI)

**C**  
 Round Body  
 Pneumatic Cylinders  
 SR/SRM/SRD/SRDM  
 Series  
 SRG/SRGM  
 Series  
 P1A  
 Series  
 P  
 Series



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**Cylinder Forces**

Indicated cylinder forces are theoretical and should be reduced according to the working conditions.

**Double Acting**

Model Number	Bore Size mm	Theoretical Piston Force (lbs) at 6 Bar (87 PSI)	
		Extension	Retraction
P1A-S 010 D	10	10.57	8.76
P1A-S 012 D	12	15.07	11.25
P1A-S 016 D	16	26.98	23.15
P1A-S 020 D	20	42.27	35.52
P1A-S 025 D	25	66.10	55.53
P1A-S 016 M	16	26.98	23.16
P1A-S 020 M	20	42.27	35.52
P1A-S 025 M	25	66.10	55.53

**Single Acting**

Model Number	Stroke	Theoretical Piston Force (lbs) at 6 Bar (87 PSI)			
		Spring Retraction		Spring Extension	
		lbs. Max	lbs. Min	lbs. Max	lbs. Min
P1A-S 010 SS	10	8.5	8.1	2.4	2.0
	15	8.5	8.1	2.4	2.0
	25	8.7	8.1	2.4	2.0
	40	8.5	7.6	2.9	2.0
	50	8.7	7.6	2.9	1.7
	80	8.7	7.6	2.9	1.7
P1A-S 012 SS	10	11.9	11.4	3.6	3.1
	15	11.9	11.4	3.6	3.1
	25	12.3	11.4	3.6	2.7
	40	11.9	10.8	4.2	3.3
	50	11.9	10.8	4.2	3.1
	80	12.3	10.8	4.2	2.7
P1A-S 016 SS(TS)	10	22.0 (19.1)	22.2 (18.8)	4.7 (4.2)	4.0 (4.0)
	15	23.1 (19.3)	22.2 (18.8)	4.7 (4.2)	3.8 (3.8)
	25	23.8 (19.8)	22.2 (18.8)	4.7 (4.2)	3.3 (3.3)
	40	23.8 (20.3)	21.3 (18.8)	5.6 (4.2)	3.1 (3.1)
	50	24.2 (20.4)	21.3 (18.8)	5.6 (4.2)	2.7 (2.7)
	80	24.0 (21.3)	21.3 (18.8)	5.6 (4.2)	2.9 (2.9)
P1A-S 020 SS(TS)	10	36.6 (29.6)	36.1 (29.2)	6.1 (6.3)	5.6 (5.8)
	15	36.8 (29.8)	36.1 (29.2)	6.1 (6.3)	5.4 (5.6)
	25	37.5 (30.3)	36.1 (29.2)	6.1 (6.3)	4.7 (5.1)
	40	37.3 (31.0)	35.7 (29.2)	6.5 (6.3)	4.9 (4.9)
	50	37.7 (31.4)	35.7 (29.2)	6.5 (6.3)	4.5 (4.5)
	80	38.2 (31.2)	36.1 (24.2)	6.1 (11.2)	4.0 (4.2)
P1A-S 025 SS(TS)	10	57.5 (46.1)	56.9 (45.6)	9.2 (9.9)	8.5 (9.4)
	15	58.0 (46.5)	56.9 (45.6)	9.2 (9.9)	8.1 (9.0)
	25	58.9 (47.2)	56.9 (45.6)	9.2 (9.9)	7.2 (8.3)
	40	58.7 (48.1)	56.2 (45.6)	9.9 (9.9)	7.4 (7.4)
	50	59.4 (48.8)	56.2 (45.6)	9.9 (9.9)	6.7 (6.7)
	80	59.4 (50.1)	56.4 (46.3)	9.6 (9.2)	6.7 (5.4)



Round Body  
Pneumatic Cylinders

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Series

SRG/SRGM  
Series

P1A  
Series

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**Cushioning**

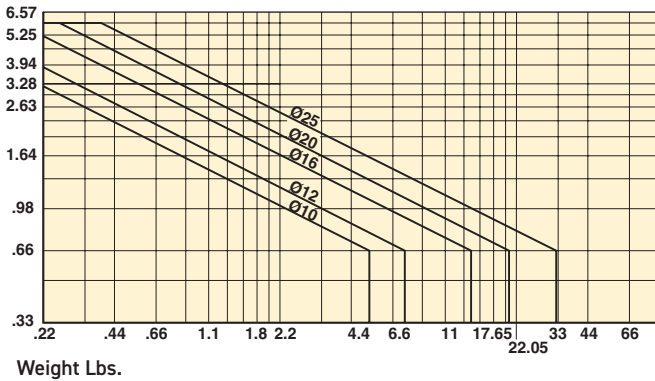
Use the diagram below to determine the necessary size of cylinder to provide the requisite cushioning performance. The maximum cushioning performance, as indicated in the diagram, is based on the following assumptions:

- Low load, i.e. low pressure drop across the piston
- Steady-state piston speed
- Correctly adjusted cushioning screw

The load is the sum of the internal and external friction, together with any gravity forces. At high relative loading it is recommended that, for a given speed, the load should be reduced by a factor of 2.5, or that, for a given mass, the speed should be reduced by a factor of 1.5. These factors apply in relation to the maximum performance as shown in the diagram.

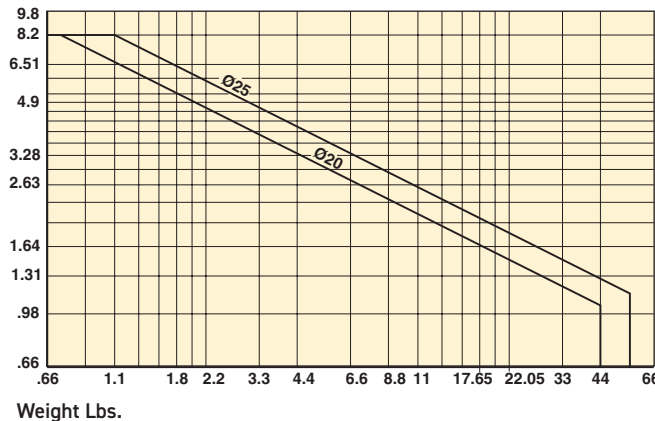
**Fixed End-Cushioning (Bumpers)**

Speed Ft./Sec.



**Adjustable Pneumatic End-Cushioning**

Speed Ft./Sec.



**Double-acting cushioned cylinders**

Adjustable pneumatic cushioning permits greater loads and higher operating speeds, making the cylinders suitable for more demanding applications.

These cylinders are available in bores of 16, 20 and 25 mm, with stroke lengths from 20 mm to 500 mm.

C  
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 Pneumatic Cylinders  


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SR/SRM/SRD/SRDM  
 Series  


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SRG/SRGM  
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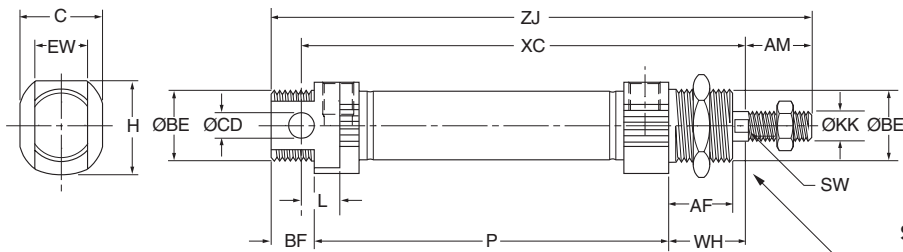

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P  
 Series

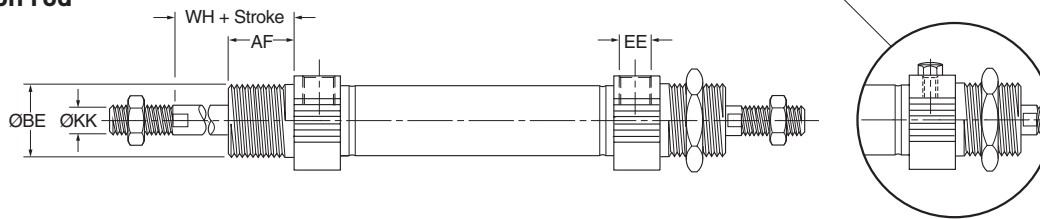


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**Double acting cylinders**



**Double piston rod**



Bore Size mm	AM <sub>0/2</sub> mm	BE	AF mm	BF mm	C mm	CD <sub>h9</sub> mm	EE	EW mm	H mm	KK	L mm	SW mm	WH <sub>±1,2</sub> mm
10	12	M12x1.25	12	10	13.0	4	M5	8	13.5	M4	6	-	16
12	16	M16x1.5	18	13	17.8	6	M5	12	17.4	M6	9	5	22
16 <sup>1)</sup>	16	M16x1.5	18	13	23.8	6	M5	12	23.4	M6	9	5	22
16 <sup>2)</sup>	16	M16x1.5	18	13	17.8	6	M5	12	17.5	M6	9	5	22
20	20	M22x1.5	20	14	23.9	8	G1/8	16	23.9	M8	12	7	24
25	22	M22x1.5	22	14	26.9	8	G1/8	16	26.9	M10x1.25	12	9	28

1) P1A-S016DS/SS/TS      2) P1A-S016MS

**Double acting cylinders**

Bore Size mm	XC mm	ZJ mm	P mm
10	64 + stroke	84 + stroke	46 + stroke
12	75 + stroke	99 + stroke	48 + stroke
16	82 + stroke	104 + stroke	53 + stroke
20	95 + stroke	125 + stroke	67 + stroke
25	104 + stroke	132 + stroke	68 + stroke

**Single-acting, spring return, type SS**

Bore Size mm	XC (mm) at Various Strokes						ZJ (mm) at Various Strokes						P (mm) at Various Strokes					
	10	15	25	40	50	80	10	15	25	40	50	80	10	15	25	40	50	80
10	74	79	89	126	136	174	94	99	109	146	156	194	56	61	71	108	118	156
12	85	90	100	132	142	185	109	114	124	156	166	209	58	63	73	105	115	158
16	92	97	107	122	132	184	114	119	129	144	154	206	63	68	78	93	103	155
20	105	110	120	135	145	191	135	140	150	165	175	221	77	82	92	107	117	163
25	114	119	129	144	154	201	142	147	157	172	182	229	78	83	93	108	118	165

**Single-acting, spring-extended, type TS**

Bore Size mm	XC <sup>3)</sup> (mm) at Various Strokes						ZJ <sup>3)</sup> (mm) at Various Strokes						P (mm) at Various Strokes					
	10	15	25	40	50	80	10	15	25	40	50	80	10	15	25	40	50	80
16	107	112	122	137	147	-	129	134	144	159	169	-	78	83	93	108	118	-
20	120	125	135	150	160	195	150	155	165	180	190	225	92	97	107	122	132	167
25	129	134	144	159	169	205	157	162	172	187	197	233	93	98	108	123	133	169

3) With piston rod retracted, as shown in the dimension drawing  
Length tolerances ±1 mm    Stroke length tolerance +1.5/0 mm

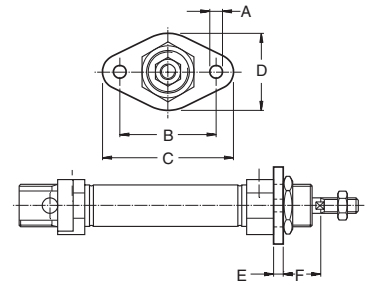
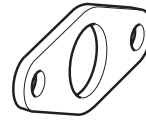
**Round Body  
Pneumatic Cylinders**  
  
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**SRG/SRGM  
Series**  
  
**P1A  
Series**  
  
**P  
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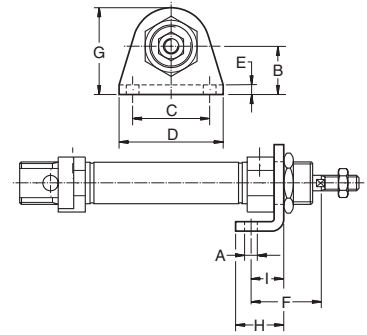
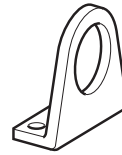
Flange - MF8

Cylinder Ø mm	A	B	C	D	E	F	Weight lbs	Part Number
10	4.5	30	40	22	3	13	0.025	<b>P1A-4CMB</b>
12-16	5.5	40	52	30	4	18	0.055	<b>P1A-4DMB</b>
20	6.6	50	66	40	5	19	0.100	<b>P1A-4HMB</b>
25	6.6	50	66	40	5	23	0.100	<b>P1A-4HMB</b>



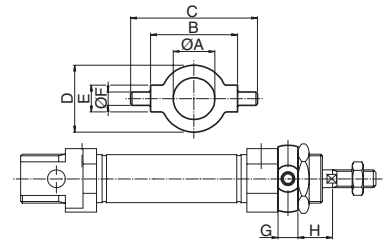
Foot - MS3

Cylinder Ø mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Weight lbs	Part Number
10	4.5	16	25	35	3	24	26.0	16	11	0.045	<b>P1A-4CMF</b>
12-16	5.5	20	32	42	4	32	32.5	20	14	0.08	<b>P1A-4DMF</b>
20	6.5	25	40	54	5	36	45.0	25	17	0.18	<b>P1A-4HMF</b>
25	6.5	25	40	54	5	40	45.0	25	17	0.18	<b>P1A-4HMF</b>



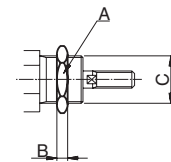
Cover Trunnion

Cylinder Ø mm	A mm	B h14 mm	C mm	D mm	E e9 mm	F mm	G mm	H mm	Weight lbs	Part Number
10	12.5	26	38	20	8	4	6	10	0.03	<b>P1A-4CMJ</b>
12-16	16.5	38	58	25	10	6	8	14	0.07	<b>P1A-4DMJ</b>
20	22.5	46	66	30	10	6	8	16	0.08	<b>P1A-4HMJ</b>
25	22.5	46	66	30	10	6	8	20	0.08	<b>P1A-4HMJ</b>



Mounting Nut

Cylinder Ø mm	A mm	B mm	C mm	Weight lbs	Part Number
10	19	6	M12x1.25	0.02	<b>9127385101</b>
12-16	24	8	M16x1.50	0.04	<b>9126725406</b>
20-25	32	11	M22x1.50	0.09	<b>9126725407</b>

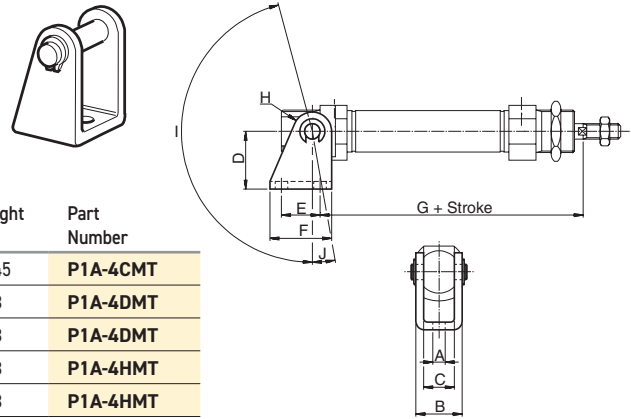


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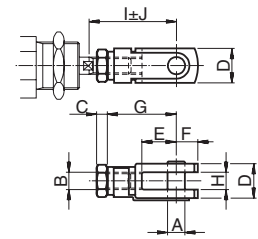
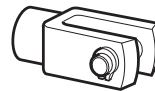
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Clevis Bracket



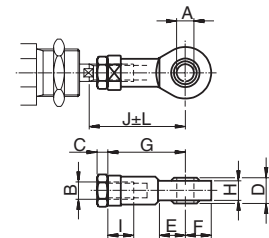
Cylinder Ø mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I °	J °	Weight lbs	Part Number
10	4.5	13	8	24	12.5	20	65.3	5	160	17	0.045	P1A-4CMT
12	5.5	18	12	27	15.0	25	73.0	7	170	15	0.08	P1A-4DMT
16	5.5	18	12	27	15.0	25	80.0	7	170	15	0.08	P1A-4DMT
20	6.5	24	16	30	20.0	32	91.0	10	165	10	0.18	P1A-4HMT
25	6.5	24	16	30	20.0	32	100.0	10	165	10	0.18	P1A-4HMT

Rod clevis



Cylinder Ø mm	A mm	B	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	Weight lbs	Part Number
10	4	M4	2.2	8	8	5	16	4	22.0	2.0	0.015	P1A-4CRC
12-16	6	M6	3.2	12	12	7	24	6	31.0	3.0	0.05	P1A-4DRC
20	8	M8	4.0	16	16	10	32	8	40.5	3.5	0.10	P1A-4HRC
25	10	M10 x 1.255.0	20	20	20	12	40	10	49.0	3.0	0.21	P1A-4JRC

Swivel Rod Eye

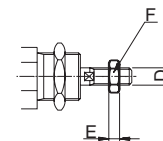


Cylinder Ø mm	A mm	B	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	L mm	Weight lbs	Part Number
10	5	M4	2.2	8	10	9	27	6.0	8	33.0	9	2.0	0.04	P1A-4CRS
12-16	6	M6	3.2	9	10	10	30	6.8	9	38.5	11	1.5	0.06	P1A-4DRS
20	8	M8	4.0	12	12	12	36	9.0	12	46.0	14	2.0	0.10	P1A-4HRS
25	10	M10 x 1.25	5.0	14	14	14	43	10.5	15	52.5	17	2.5	0.19	P1A-4JRS

Rod Nut

Stainless Steel, DIN x 5 CrNi 18 10

Cylinder Ø mm	D mm	F mm	E mm	Weight lbs	Part Number
10	M4	7	2.2	0.002	9127385121
12-16	M6	10	3.2	0.004	9127385122
20	M8	13	4.0	0.010	9127385123
25	M10x1.25	17	5.0	0.015	9126725404



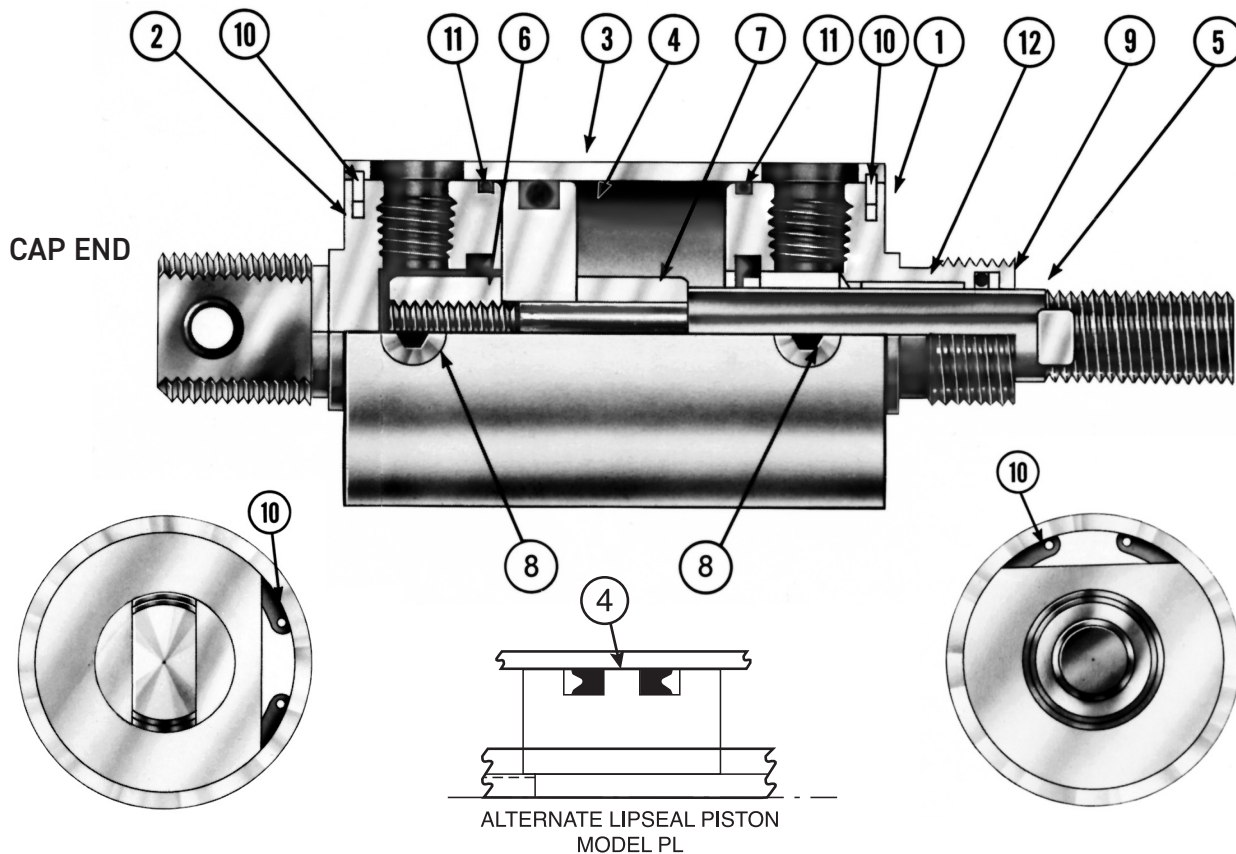
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Features

P Series



Features

- ①② **Heads and Caps** are lightweight aluminum for maximum corrosion resistance. The cap is provided with a steel pivot bushing.
- ③ **Cylinder Body** is hard anodized aluminum for corrosion and abrasion resistance. The smooth I.D. finish provides long seal life.
- ④ **The Piston** is available with either O-Ring or Lipseal® design.
- ⑤ **Piston Rod** is chrome plated steel.\* The piston is secured to the rod with anaerobic adhesive. Full diameter threads are provided for maximum strength. Wrench flats are standard.
- ⑥⑦ **Adjustable Cushions** are available on 2" thru 4" bore sizes, while fixed cushions are available on 1-1/8" and 1-1/2" bore sizes.
- ⑧ **The Cushion Adjustment Needle** is recessed and retained for precise, safe adjustment on all adjustable cushions.
- ⑨ The wear-compensating **Rod Seal** design conforms to pressure variations and provides maximum seal life.
- ⑩ **High Strength Steel Retaining Snap Ring** (210,000 PSI ultimate) is precision made to securely lock the head and cap in place. Easily removed for quick disassembly.
- ⑪ **O-Ring Static Tube Seal** is standard for positive no-leak sealing.
- ⑫ **Rod Bearing** is low friction bronze for high performance and longer wear.

\* 1-1/8" bore has standard 416 stainless steel piston rod material.

C	Round Body Pneumatic Cylinders
	SR/SRM/SRD/SRDM Series
SRG/SRGM Series	
P1A Series	
P Series	



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

### Features

- Repairable design, aluminum construction
- 6 bore sizes: 1-1/8" to 4"
- Double-acting, spring-return and spring-extend models
- Cushions optional at either or both ends
- Universal nose and tang mounts
- Standard stroke lengths to 20 inches in one inch increments, plus 1-1/2", 2-1/2" and 3-1/2" strokes. Fraction strokes and strokes over 20 inches are available upon request.

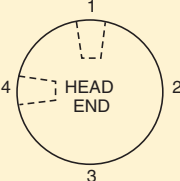



### Operating information

Operating pressure:	150 PSIG (8 bar)
Temperature range:	
Standard seals	-10°F to 165°F (-23°C to 74°C)
Fluorocarbon seals	-10°F to 250°F (-23°C to 121°C)
Filtration requirements:	40 micron, dry filtered air

### Ordering information

**2-1/2"**   **K**   **P**   **L**   **U**   **1**   **6**   **A**   **C**   **6"**

<b>Bore Size</b>	<b>Series</b>	<b>Stroke</b>
1-1/8"	<b>Piston</b>	Specify in inches.
1-1/2"	Blank O-Ring Piston	
2"	L Lipseal Piston	
2-1/2"	Sensors available on lipseal pistons only.	
3"		
4"		
<b>Cushion Head End</b>	<b>Ports</b>	<b>Cushion Cap End</b>
Blank No Cushion	U N.P.T.F.	Blank No Cushion
C Cushion Head End		C Cushion Cap End
<b>Double Rod</b>	<b>Seals / Options</b>	<b>Rod End Threads</b>
Blank Single Rod	Blank Buna-N	A Inch
K Double Rod	V Fluorocarbon	
	M Magnet with Buna-N Seals <sup>1</sup>	
<b>Mounting Style</b>	<b>Spring</b>	<b>Rod Material</b>
Blank Standard	E Spring Extend	Blank Standard Rod
N No Tang	R Spring Return	D 416 Stainless Steel <sup>2</sup>
A Dual Tang		
<b>Safety Cushion Adjustment Location</b>	<b>Special Number</b>	<b>Rod Thread</b>
	Use "S" symbol only if special feature is required (specify). NOTE: Do not use symbol "S" for rod end modification.	6 Standard 3 Special (For special rod end specify "CC" thread Dia. A and LE or LE1 or Dim. or submit sketch.)
With port in position 1, cushion location will be position 4.		<b>Rod Diameter Style</b>
		1 Standard For double rod cylinders specify rod code twice.
	<b>Notes:</b>	<b>Sensors</b>
	<sup>1</sup> Must specify lipseal piston with magnet option. <sup>2</sup> Standard on 1-1/8" bore. {D} not required.	See section L for sensors. 

For ordering purposes, when special options or common modifications are requested, the factory will assign a sequential part number in place of the model number.



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



**Specifications**

- Nominal pressure – up to 150 PSI air
- Repairable design
- Bore sizes: 1-1/8", 1-1/2", 2", 2-1/2", 3" and 4"
- Double-acting, Spring-return and Spring-extend models
- Cushions optional at either or both ends
- Universal nose and tang mounts
- Factory pre-lubricated
- Standard temperature range: -10°F to 165°F fluorocarbon seals for operation up to 250°F are available at extra cost.
- Standard stroke lengths to 20 inches in one inch increments, plus 1-1/2", 2-1/2" and 3-1/2" strokes. Fraction strokes and strokes over 20 inches are available upon request.

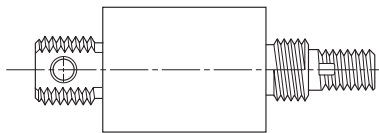
**Round Body Pneumatic Cylinders  
P Series, Aluminum**

**⚠ DANGER**

The piston to rod threaded connection is secured with an anaerobic adhesive which is temperature sensitive. Operating cylinders in excess of the following recommendations can cause the piston and piston rod assembly to unthread. Cylinders ordered with standard seals (Buna-N) are assembled with an anaerobic adhesive with a maximum operating temperature rating of 165°F. Cylinders ordered with Fluorocarbon seals are assembled with an anaerobic adhesive with a maximum operating temperature rating of 250°F.

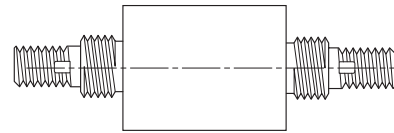
Cylinders originally manufactured with standard seals (Buna-N) that will be exposed to an ambient temperature above 165°F must be modified for higher temperature service. Contact your local factory immediately and arrange for the piston to piston rod connection to be properly modified for the higher temperature service.

**Mounting Styles Available**



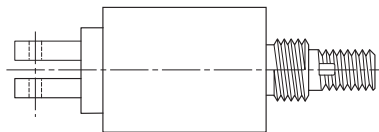
**Model P** – O-Ring Piston – Single Rod  
1-1/8" Bore thru 3" Bore

**Model PL** – Lipseal Piston – Single Rod  
1-1/8" Bore thru 4" Bore



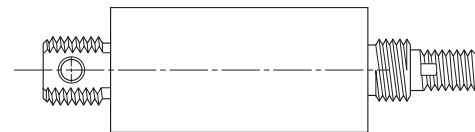
**Model KP** – O-Ring Piston – Double Rod  
1-1/8" Bore thru 3" Bore

**Model KPL** – Lipseal Piston – Double Rod  
1-1/8" Bore thru 4" Bore



**Model AP** – O-Ring Piston – Single Rod  
1-1/8" Bore thru 3" Bore

**Model APL** – Lipseal Piston – Single Rod  
1-1/8" Bore thru 4" Bore



**Model PR** – O-Ring Piston – Spring Return

**Model PE** – O-Ring Piston – Spring Extend  
1-1/8" Bore thru 3" Bore

**Model PLR** – Lipseal Piston – Spring Return

**Model PLE** – Lipseal Piston – Spring Extend  
1-1/8" Bore thru 4" Bore

**Force Data**

(to determine force multiply operating pressure by area figures below)

Bore Size	Rod Dia.	Major Area (sq. in.)	Minor Area (sq. in.)
1-1/8"	3/8"	0.992	0.882
1-1/2"	1/2"	1.766	1.570
2"	5/8"	3.141	2.835
2-1/2"	3/4"	4.906	4.464
3"	3/4"	7.065	6.623
4"	1"	12.560	11.775

**Cylinder Cushion Lengths**

Bore	Head	Cap
1-1/8"	0.560"	0.560"
1-1/2" & 2"	0.750"	0.750"
2-1/2" & 3"	0.875"	0.875"
4"	1.250"	1.250"

**C**  
 Round Body  
 Pneumatic Cylinders  
 SR/SRM/SRD/SRDM  
 Series  
 SRG/SRGM  
 Series  
 P1A  
 Series  
 P  
 Series

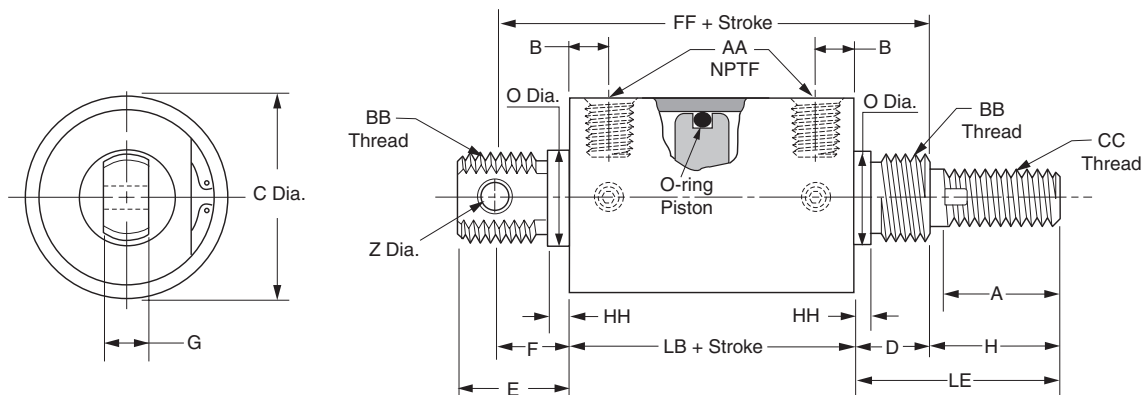


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



**Model P**

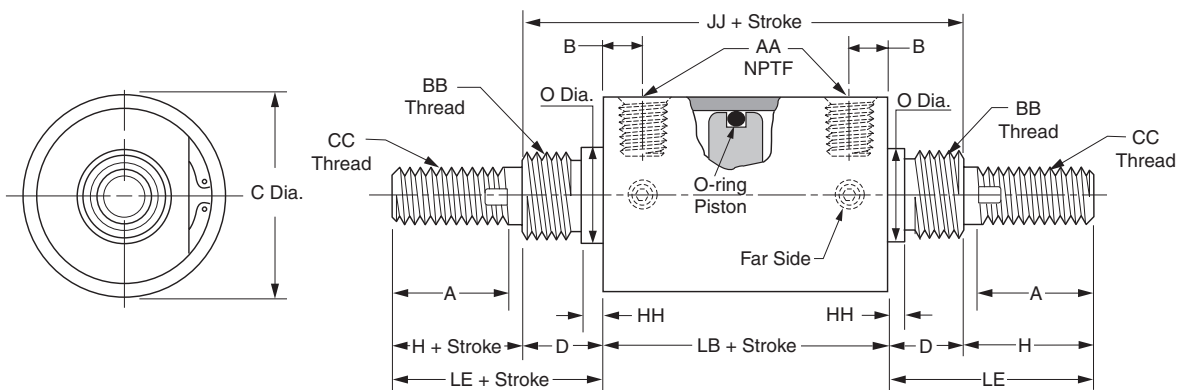
O-ring piston – single rod



Model P cylinders are available without tang covered by dimension E minus HH at no extra charge. To order specify Model NP.

**Model KP**

O-ring piston – double rod



Mounting nuts not supplied with cylinder.

**Model P and KP single and double rod cylinders**

Bore Size	Rod Dia.	LB	B	C	D	E	F	G	H	A	O	Z	AA	BB	CC	FF	HH	JJ	LE
1-1/8	3/8	2-1/16	13/32	1-3/8	5/8	1	11/16	3/8	1	7/8	3/4	1/4	1/8	3/4-16	3/8-16	3-3/8	3/32	3-5/16	1-5/8
1-1/2	1/2	2-5/8	1/2	1-3/4	7/8	1-1/4	7/8	1/2	1-7/16	1-1/4	1-1/16	5/16	1/4	1-14	1/2-13	4-3/8	1/8	4-3/8	2-5/16
2	5/8	2-5/8	1/2	2-1/4	7/8	1-1/4	7/8	1/2	1-7/16	1-1/4	1-1/16	5/16	1/4	1-14	5/8-11	4-3/8	1/8	4-3/8	2-5/16
2-1/2	3/4	3	5/8	2-3/4	1	2	1-3/8	5/8	1-11/16	1-1/2	1-3/8	7/16	3/8	1-3/8-12	3/4-10	5-3/8	3/16	5	2-11/16
3	3/4	3	5/8	3-1/4	1	2	1-3/8	5/8	1-11/16	1-1/2	1-3/8	7/16	3/8	1-3/8-12	3/4-10	5-3/8	3/16	5	2-11/16

Note: 4" bore size offered only with Lipseal Piston.

FLUOROCARBON SEALS for operation to 250°F are available at extra cost. Specify model PV or KPv.



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

Round Body  
 Pneumatic Cylinders  


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 SR/SRM/SRD/SRDM  
 Series  


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 SRG/SRGM  
 Series  


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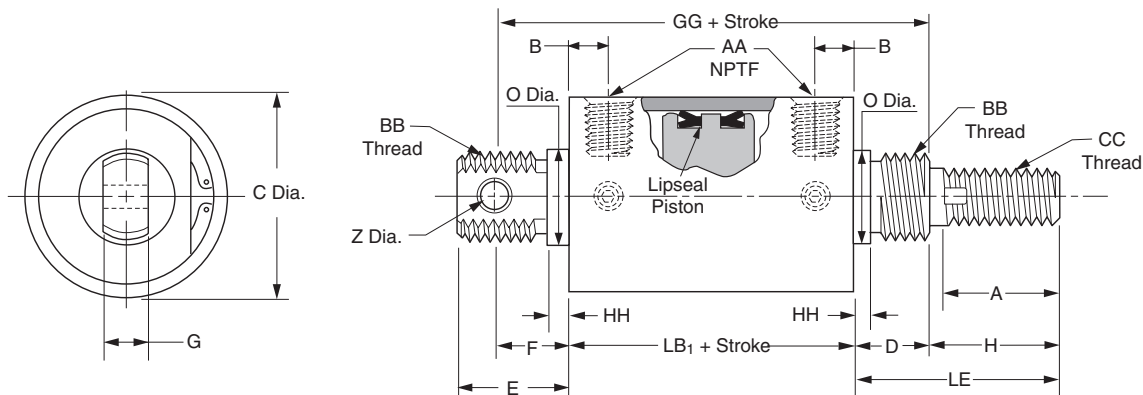
 P1A  
 Series  


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 P  
 Series

**Model PL**

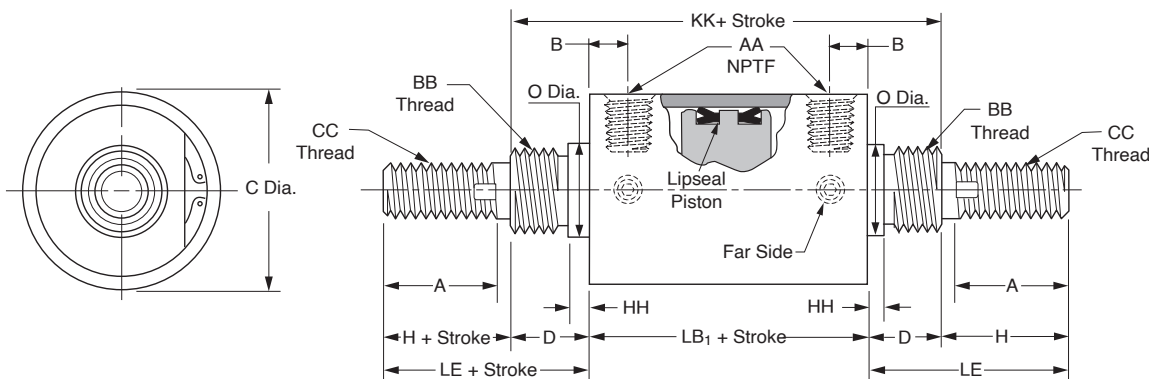
Lipseal piston - single rod



Model PL cylinders are available without tang covered by dimension E minus HH at no extra charge. To order specify Model NPL.

**Model KPL**

Lipseal piston - double rod



Mounting nuts not supplied with cylinder.

**Model PL and KPL single and double rod cylinders**

Bore Size	Rod Dia.	LB <sub>1</sub>	B	C	D	E	F	G	H	A	O	Z	AA	BB	CC	GG	HH	KK	LE
1-1/8	3/8	3-1/16	13/32	1-3/8	5/8	1	11/16	3/8	1	7/8	3/4	1/4	1/8	3/4-16	3/8-16	4-3/8	3/32	4-5/16	1-5/8
1-1/2	1/2	3-5/8	1/2	1-3/4	7/8	1-1/4	7/8	1/2	1-7/16	1-1/4	1-1/16	5/16	1/4	1-14	1/2-13	5-3/8	1/8	5-3/8	2-5/16
2	5/8	3-5/8	1/2	2-1/4	7/8	1-1/4	7/8	1/2	1-7/16	1-1/4	1-1/16	5/16	1/4	1-14	5/8-11	5-3/8	1/8	5-3/8	2-5/16
2-1/2	3/4	4	5/8	2-3/4	1	2	1-3/8	5/8	1-11/16	1-1/2	1-3/8	7/16	3/8	1-3/8-12	3/4-10	6-3/8	3/16	6	2-11/16
3	3/4	4	5/8	3-1/4	1	2	1-3/8	5/8	1-11/16	1-1/2	1-3/8	7/16	3/8	1-3/8-12	3/4-10	6-3/8	3/16	6	2-11/16
4	1	5-1/2	15/16	4-3/8	1-1/8	2-3/16	1-7/16	3/4	2-1/4	1-7/8	1-3/4	1/2	1/2	1-3/4-12	1-14	8-1/16	3/16	7-3/4	3-3/8

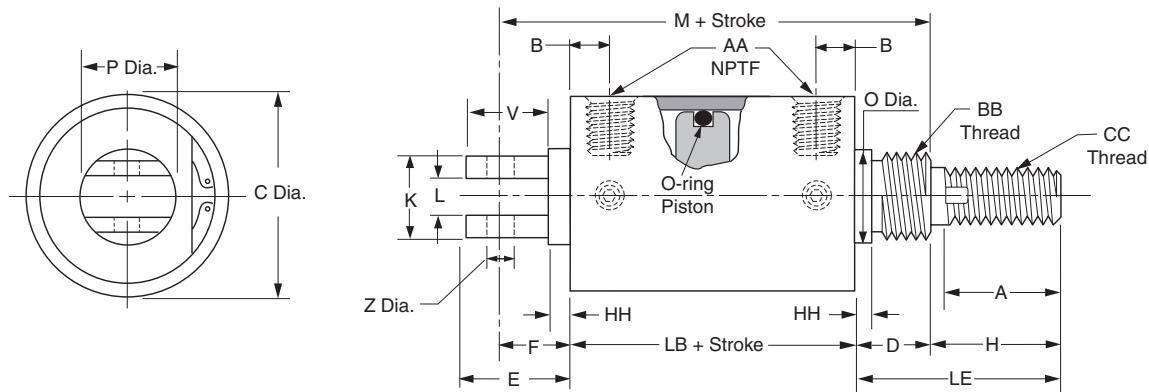
FLUOROCARBON SEALS for operation to 250°F are available at extra cost. Specify model PLV or KPLV.



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

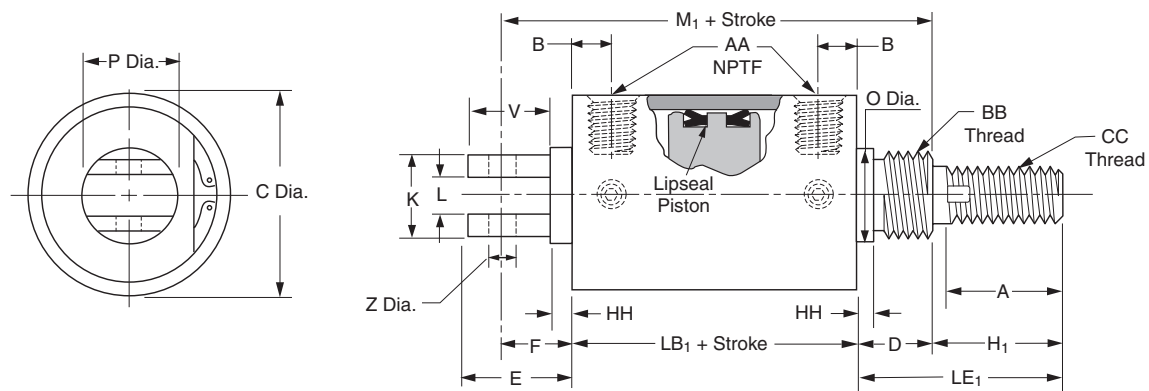
**Model AP**

O-ring piston - single rod  
 1-1/8" bore thru 3" bore



**Model APL**

Lipseal piston - single rod  
 1-1/8" bore thru 4" bore



Mounting nuts not supplied with cylinder.

**Models AP and APL only**

Bore Size	Rod Dia.	LB	LB <sub>1</sub>	B	C	D	E	F	H	H <sub>1</sub>	A	K	L	M	M <sub>1</sub>	O	P	V	Z	AA	BB	CC	HH	LE	LE <sub>1</sub>
1-1/8	3/8	2-1/16	3-1/16	13/32	1-3/8	5/8	1	11/16	1	1	7/8	15/16	3/8	3-3/8	4-3/8	3/4	15/16	7/8	3/8	1/8	3/4-16	3/8-16	3/32	1-5/8	1-5/8
1-1/2	1/2	2-5/8	3-5/8	1/2	1-3/4	7/8	1-5/8	15/16	2-7/16	1-7/16	1-1/4	1-1/4	1/2	4-7/16	5-7/16	1-1/16	1-1/4	1-1/2	3/8	1/4	1-14	1/2-13	1/8	3-5/16	2-5/16
2	5/8	2-5/8	3-5/8	1/2	2-1/4	7/8	2-1/4	1-9/16	2-7/16	1-7/16	1-1/4	1-1/2	1/2	5-1/16	6-1/16	1-1/16	1-11/16	1-3/4	1/2	1/4	1-14	5/8-11	1/8	3-5/16	2-5/16
2-1/2	3/4	3	4	5/8	2-3/4	1	1-13/16	1-1/8	3-11/16	2-11/16	1-1/2	1-1/2	1/2	5-1/8	6-1/8	1-3/8	2-1/4	1-11/16	1/2	3/8	1-3/8-12	3/4-10	3/16	4-11/16	3-11/16
3	3/4	3	4	5/8	3-1/4	1	2-5/16	1-5/8	3-11/16	2-11/16	1-1/2	1-1/2	1/2	5-5/8	6-5/8	1-3/8	2-1/4	1-3/4	1/2	3/8	1-3/8-12	3/4-10	3/16	4-11/16	3-11/16
4	1	-	5-1/2	15/16	4-3/8	1-1/8	2-7/8	1-7/8	-	2-1/4	1-7/8	2-1/4	3/4	-	8-1/2	1-3/4	3	2-1/2	3/4	1/2	1-3/4-12	1-14	3/16	-	3-3/8

FLUOROCARBON Seals for operation to 250°F are available at extra cost. Specify model ASPV or ASPLV.

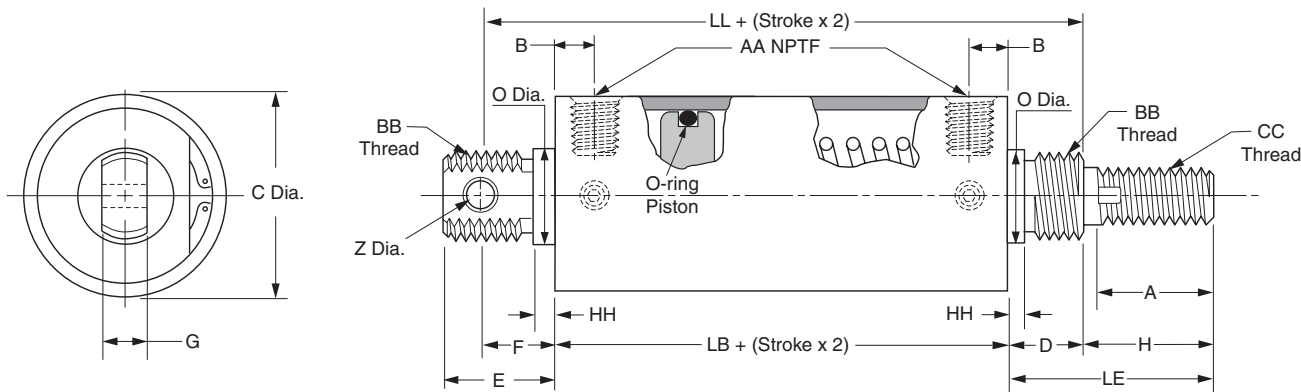


For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

**P**  
 Round Body  
 Pneumatic Cylinders  
 SR/SRM/SRD/SRDM  
 Series  
 SRG/SRGM  
 Series  
 P1A  
 Series  
 P  
 Series

Model PR - Spring return  
Model PE - Spring extend

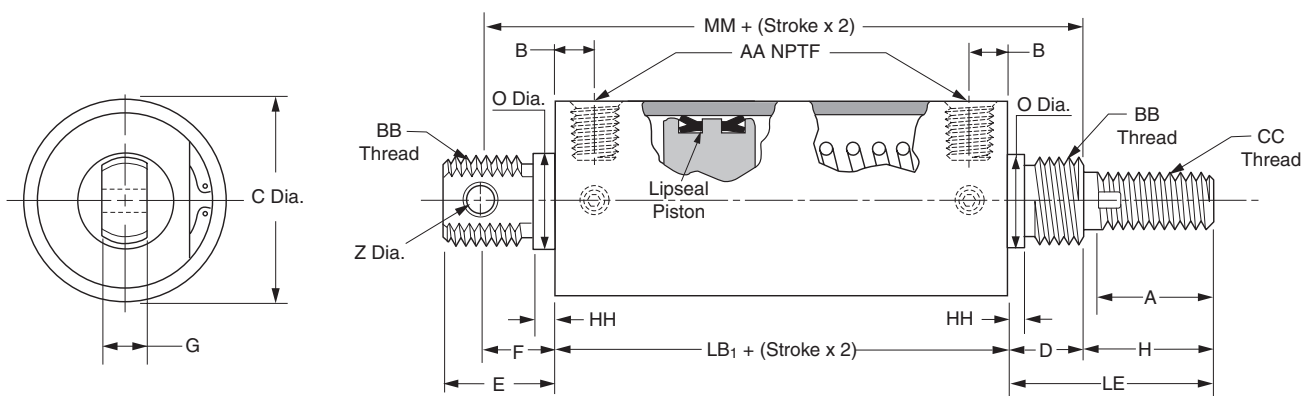
O-ring piston



Spring return cylinders are available without tail section covered by dimension E minus HH at no extra charge. To order, add letter "N" to model number.

Model PLR - Spring return  
Model PLE - Spring extend

Lipseal piston



Mounting nuts not supplied with cylinder.

For single rod spring return cylinders up to 6" stroke (no load spring)

Bore Size	Rod Dia.	LB	LB <sub>1</sub>	B	C	D	E	F	G	H	A	O	Z	AA	BB	CC	HH	LL	MM	LE	Spring Force	
																					Pre-Load (lbs.)	Max. Load (lbs.)
1-1/8	3/8	2-1/16	3-1/16	13/32	1-3/8	5/8	1	11/16	3/8	1	7/8	3/4	1/4	1/8	3/4-16	3/8-16	3/32	3-3/8	4-3/8	1-5/8	12	36
1-1/2	1/2	2-5/8	3-5/8	1/2	1-3/4	7/8	1-1/4	7/8	1/2	1-7/16	1-1/4	1-1/16	5/16	1/4	1-14	1/2-13	1/8	4-3/8	5-3/8	2-5/16	14	45
2	5/8	2-5/8	3-5/8	1/2	2-1/4	7-8	1-1/4	7/8	1/2	1-7/16	1-1/4	1-1/16	5/16	1/4	1-14	5/8-11	1/8	4-3/8	5-3/8	2-5/16	18	48
2-1/2	3/4	3	4	5/8	2-3/4	1	2	1-3/8	5/8	1-11/16	1-1/2	1-3/8	7/16	3/8	1-3-8-12	3/4-10	3/16	5-3/8	6-3/8	2-11/16	30	64
3	3/4	3	4	5/8	3-1/4	1	2	1-3/8	5/8	1-11/16	1-1/2	1-3/8	7/16	3/8	1-3-8-12	3/4-10	3/16	5-3/8	6-3/8	2-11/16	30	64
4	1	▲	5-1/2	15/16	4-3/8	1-1/8	2-3/16	1-7/16	3/4	2-1/4	1-7/8	1-3/4	1/2	1/2	1-3-4-12	1-14	3/16	▲	8-1/16	3-3/8	50	148

▲ 4" bore spring return cylinders, available only with lipseal type piston.

\*\* Net stroke plus stop tube = gross stroke.

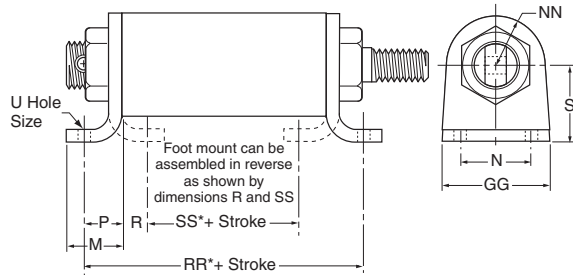
FLUOROCARBON SEALS for operation to 250°F are available at extra cost. Specify model PVR, PVE, PLVR or PLVE.

\* Dimensions shown are for cylinder with no load spring. For heavier springs or double rod spring return cylinders, consult factory.



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

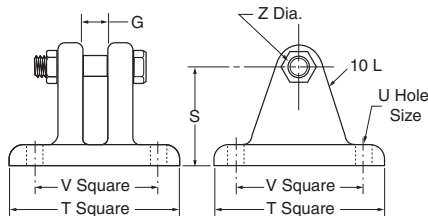
Foot Mount



Bore Size	M	N	O	P	R	S	U	GG	HH	NN	RR	SS	Foot Mount*
2-1/2	1-29/32	2-1/4	1-3/8	1-1/4	7/8	2-3/8	13/32	3-9/16	3/16	1-5/8	5-1/2	1-1/4	L069210000
3	1-29/32	2-1/4	1-3/8	1-1/4	7/8	2-3/8	13/32	3-9/16	3/16	1-5/8	5-1/2	1-1/4	L069210000
4	2-17/32	3-1/4	1-3/4	1-3/4	1-5/16	3-3/16	15/32	4-13/16	3/16	2-3/16	9▲	2-7/8▲	L069220000

▲ Dimension shown is for lipseal piston type.  
\* Part number includes one foot mounting and one mounting nut.

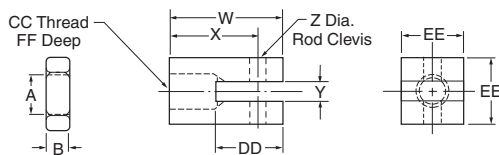
Clevis Bracket



Bore Size	G	S	T	U	V	Z	Part Number
1-1/8	3/8	1-9/32	2-1/4	9/32	1-3/4	1/4	L067300000
1-1/2	1/2	1-3/4	3	9/32	2-1/4	5/16	L067310000
2	1/2	1-3/4	3	9/32	2-1/4	5/16	L067310000
2-1/2	5/8	2-3/8	4	13/32	3	7/16	L067320000
3	5/8	2-3/8	4	13/32	3	7/16	L067320000
4	3/4	3-3/16	5	15/32	3-3/4	1/2	L067330000

Connecting pin and locknut furnished with clevis bracket.

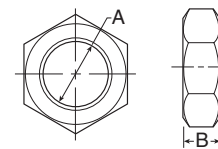
Rod Clevis



Cyl. Bore	Rod Dia.	A	B	CC	DD	EE	FF	W	X	Y	Z	Part Number
1-1/8	3/8	3/8-16	7/32	3/8-16	1-1/8	3/4	5/8	1-3/4	1-3/8	5/16	1/4	L067340000
1-1/2	1/2	1/2-13	5/16	1/2-13	1-5/16	1	15/16	2-1/4	1-3/4	3/8	5/16	L067350000
2	5/8	5/8-11	3/8	5/8-11	1-5/16	1	15/16	2-1/4	1-3/4	3/8	5/16	L067360000
2-1/2	3/4	3/4-10	27/64	3/4-10	1-5/16	1-1/4	1-1/16	2-3/8	1-13/16	1/2	7/16	L067370000
3	3/4	3/4-10	27/64	3/4-10	1-5/16	1-1/4	1-1/16	2-3/8	1-13/16	1/2	7/16	L067370000
4	1	1-14	35/64	1-14	1-13/16	1-1/2	1-9/16	3-3/8	2-5/8	5/8	1/2	L067380000

Note: Rod end jam nut furnished with rod clevis.

Mounting Nut for Cylinders\*\*



Bore Size	A	B	Part Number
1-1/8	3/4-16	27/64	0833010048
1-1/2 & 2	1-14	35/64	0849881100
2-1/2 & 3	1-3/8-12	25/32	0833010124
4	1-3/4-12	15/16	0831830000

Sensors

See section L for sensors.



Most popular.



For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)



Round Body  
Pneumatic Cylinders

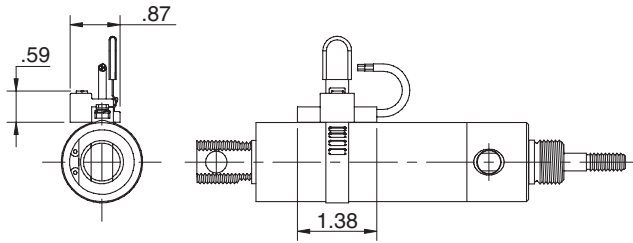
SR/SRM/SRD/SRDM  
Series

SRG/SRGM  
Series

P1A  
Series

P  
Series

Sensors



Example:

To order a 1-1/2" x 6" cylinder with P Series sensors to sense the end of stroke at both head and cap end.

Item	Qty.	Description
A	(2)	P8SAGPCHX Sensor
B	(2)	P8S-TMC02 Clamp Assembly

How To Order P Series Sensors

P Series sensors are not mounted to the cylinder prior to shipment. When ordering a cylinder to accommodate a P Series sensor:

1. Derive a proper cylinder number as shown on the Ordering Information page and include magnet, option "M" in Seals/Option Code.
2. As a separate item specify the number of sensors required.\*
3. As a third item specify the quantity of the proper clamp assembly.\*

\* For information regarding sensors, please refer to the Electronic Sensors section.

Bore	Piston Travel at Mid Stroke* (Sensor Activated)
1-1/8"	0.33
1-1/2"	0.37
2"	0.49
2-1/2"	0.44
3"	0.40
4"	0.33

\* Sensing distance at "End of Stroke" can be adjusted from 'mid-stroke' sensing distance to zero. For sensor specifications and part numbers, see Electronic Sensors section.

† Piston travel ±.01".

Service Kits

Table A

Seal kit for series "P" cylinders with o-ring piston

Contains: 2 each symbol #15 & 1 each symbol #16, 24 & 25

Bore Size	Standard Seal Kit Part Number	Hi-Temp Seal Kit Part Number
1-1/8"	L067680000	L067730000
1-1/2"	L067690000	L067740000
2"	L067700000	L067750000
2-1/2"	L067710000	L067760000
3"	L067720000	L067770000

Table B

Seal kit for series "P" cylinders with lipseal piston

Contains: 2 each symbol #15 & 23 & 1 each symbol #24 & 25

Bore Size	Standard Seal Kit Part Number	Hi-Temp Seal Kit Part Number
1-1/8"	L067780000	L067840000
1-1/2"	L067790000	L067850000
2"	L067800000	L067860000
2-1/2"	L067810000	L067870000
3"	L067820000	L067880000
4"	L067830000	L067890000

Table C

Cushion seal kit for series "P" cylinders

Contains: 2 each symbol #19 & 21 (Symbol #21 not required or supplied for 1-1/8" & 1-1/2" bore size cylinders)

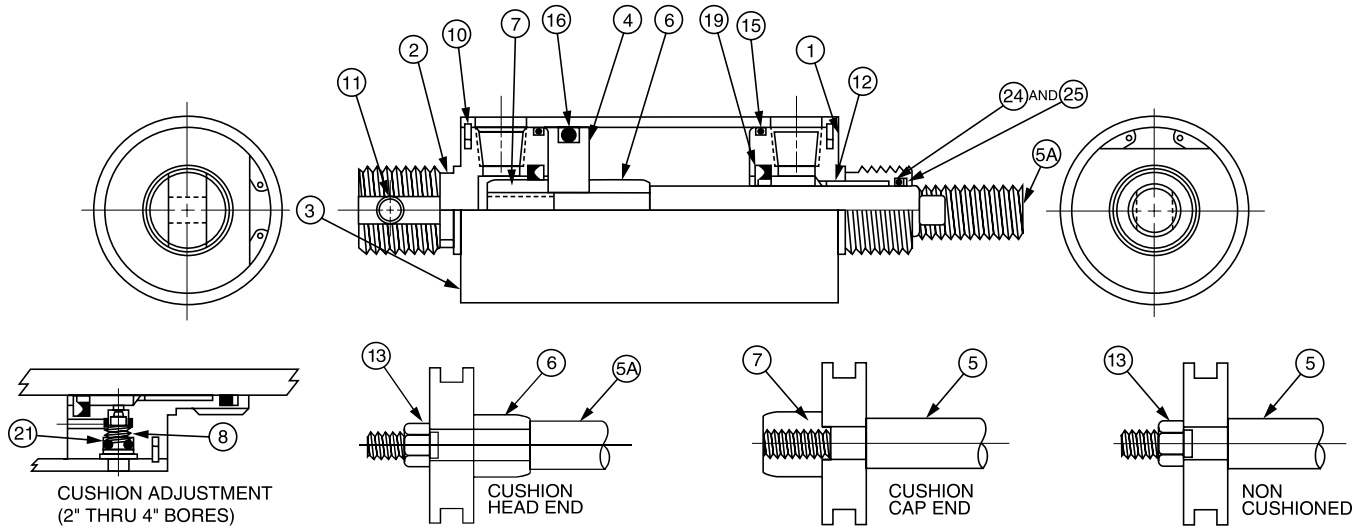
Bore Size	Standard Seal Kit Part Number	Hi-Temp Seal Kit Part Number
1-1/8"	L067900000	L067950000
1-1/2"	L067910000	L067960000
2"	L067920000	L067970000
2-1/2"	L067930000	L067980000
3"	L067930000	L067980000
4"	L067940000	L067990000

Round Body Pneumatic Cylinders  
 SR/SRM/SRD/SRDM Series  
 SRG/SRGM Series  
 P1A Series  
 P Series



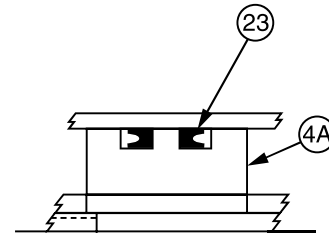
For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)

**Parts Identification**



Symbol	Description
1	Head
2	Cap
3	Cylinder Body
4	Piston - O-Ring Style
4A	Piston - Lipseal Style
5	Rod - Cap Cushioned Or Non-Cushioned
5A	Rod - Head Cushioned Or Cushioned Both Ends
6	Cushion Sleeve
7	Cushion Spear
8	Cushion Needle
10	Retaining Ring
11	Pivot Bushing (Included In #2 Cap) Not Sold Separately
12	Rod Bushing (Included In #1 Head) Not Sold Separately
13	Nut - Piston
15	O-Ring - End Seal
16	O-Ring - Piston Seal
19	Lipseal - Cushion
21	O-Ring - Needle Valve
23	Lipseal - Piston Seals
24	O-Ring - Rod Seal
25	Back Up Washer - Rod Seal

**Lipseal Piston**



C	Round Body Pneumatic Cylinders
	SR/SRM/SRD/SRDM Series
	SRG/SRGM Series
	P1A Series
	P Series


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For inventory, lead times, and kit lookup, visit [www.pdnplu.com](http://www.pdnplu.com)