

Pneumatic Cylinders

Air cylinder and actuator designs from PHOENIX offer innovative pneumatic cylinder design features for the automation industry. It provides long life, and reliable service. PHOENIX products are specified in all major industrial markets. PHOENIX actuators are created to provide you with the largest array of choices.



PHOENIX products are designed for precision performance and reliability. Pneumatic actuator products from PHOENIX are available in a wide variety of styles, including linear guided, specialty actuators. Pneumatic actuators comes with a full complement of standard options and related products.

SC - Standard Cylinder

SDA - Compact Cylinder

DNC - ISO 15552 Profile Cylinder

TN - Double Shaft Cylinder

CJ2 - Stainless Steel Mini Cylinder

MHZ - Air Gripper

MAL - Round Aluminium Cylinder



Model - 'SC' Cylinder

Basic linear air cylinders are used to provide straight-line, in/out linear movement for a variety of applications.

Working Medium : Air

Working Pressure range : 0.1~0.9Mpa

Ambient & fluid temperature : -5 to 70°C (with no freezing)

Max. operating pressure : 1.35 Mpa



DIA(mm)	32	40	50	63	80	100
Port Size	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"

→ **HSN 841231**

SC Model - Non-Magnetic Double Acting Cylinder

Stroke	BORE					
mm	32	40	50	63	80	100
25	950	1100	1330	1590	2410	2990
50	1000	1170	1410	1700	2560	3160
80	1060	1250	1500	1800	2720	3340
100	1120	1320	1580	1910	2870	3510
125	1170	1400	1670	2010	3020	3690
150	1220	1480	1750	2110	3170	3890
160	1280	1550	1840	2220	3320	4030
200	1340	1620	1920	2320	3470	4210
250	1450	1780	2090	2530	3770	4560
300	1560	1930	2260	2730	4080	4910
Seal Kit	200	225	275	325	400	450

PHOENIX

Mounting for SC Cylinder



Model	16	20	25	32	40	50	63	80	100
mm	m6 x 1	m8 x 1.25	m10 x 1.25	m10 x 1.25	m12 x 1.25	m16 x 1.25	m16 x 1.5	m20 x 1.5	m20 x 1.5
Y	225	290	180	180	190	240	240	400	400
YL	—	—	500	500	615	905	905	1640	1640
RE	190	300	300	300	340	575	575	995	995
RA	—	—	985	985	1145	1925	1925	2385	2385
CA	—	—	—	180	190	220	275	525	575
CB	—	—	—	210	225	250	325	595	650
FA	—	—	—	180	220	290	360	600	840
LB	—	—	—	170	170	210	270	450	595



Model - CS1-F
Air Cylinder Red LED Light
Magnetic Sensor Switch
DC/AC 5-240V 100mA 10W

CS1-F Applicable For SC, MAL Series **480**



Model - CS1-J
Air Cylinder Red LED Light
Magnetic Sensor Switch
DC/AC 5-240V 100mA 10W

CS1-J Applicable For SDA, CQ2, TN Series **480**



Model - Z73
LED Magnetic Sensor
Pneumatic Cylinder
Reed Switch 5-240v DC/AC

Z73 Applicable For DNC Series **480**



Model - SCMC
Reed Switch Mounting Clamp
for SC Cylinder

SCMC Applicable Clamp for SC Series **100**

Compact Cylinder - Model - SDA

Motion Pattern : Double Action

Working Medium : Air

Working Pressure range : 0.1~0.9Mpa

Ambient & fluid temperature : -5 to 70°C (with no freezing)

Max. operating pressure : 1.35 Mpa



DIA(mm)	16	20	25	32	40	50	63	80	100
Port Size	m5x0.8	m5x0.8	m5x0.8	1/8"	1/8"	1/4"	1/4"	3/8"	3/8"

→ HSN 841231

SDA Model - Non-Magnetic Double Acting Cylinder (Female Thread)

Stroke	BORE DIA (mm)						
mm	16	20	25	32	40	50	63
5	480	520	560	700	850	1180	1540
10	520	560	590	740	890	1220	1590
15	590	560	625	780	960	1290	1620
20	625	590	625	780	1000	1330	1700
25	660	625	670	810	1040	1370	1770
30	700	625	700	850	1070	1440	1840
35	730	670	700	890	1070	1480	1920
40	770	700	740	920	1110	1520	1990
50	850	740	780	960	1180	1630	2140



Male Adapter for SDA Cylinder



Item Code	Thread	Price
		Per Nos
SDAMA 32	M14 x 1.5	395
SDAMA 40	M18 x 1.5	395
SDAMA 50	M18 x 1.5	395
SDAMA 63	M22 x 1.5	395

Round Cylinder - Model - MAL

PHOENIX **MAL Series** Round Aluminium Body cylinder. Create linear motion with the most popular of our air cylinders. Universal-mount cylinders have threads on both ends to mount in a fixed position or you can use the hole on the back end to pivot mount.

Nose-mount cylinders have threads on the rod end and mount in a fixed position.

Motion Pattern : Double Action (Single Action on request)

Working Medium : Air

Working Pressure range : 0.1~0.9Mpa

Ambient & fluid temperature : -5 to 70°C (with no freezing)

Max. operating pressure : 1.35 Mpa

Operating speed range : 30-800 mm/s



DIA(mm)	16	20	25	32
Port Size	m5x0.8	1/8"	1/8"	1/8"

→ **HSN 841231**

MAL Model - Non-Magnetic Double Acting Cylinder

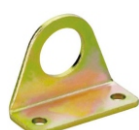
Stroke	BORE			
mm	16	20	25	32
25	560	670	820	960
40	560	710	850	1000
50	560	710	850	1000
80	590	740	890	1050
100	630	820	920	1070
125	670	850	960	1150
150	710	890	1000	1180
200	780	960	1070	1290
250	890	1040	1150	1370
300	960	1110	1260	1520

****Price On Request for Magnetic / Single Acting Type / Double ended Type / Adjustable type.**

Mounting For MAL Cylinder



FA - Flange



LB - Leg Bracket

	BORE			
Stroke	16	20	25	32
mm				
MAL FA	150	180	195	205
MAL LB	110	120	120	150

Round Magnetic Double Acting Cylinder - Model - CDJ2 (stainless steel tube)

Series **CDJ2** double acting, single rod, stainless steel tube, air cylinders are available in 10, 12 & 16mm bore sizes with stroke lengths from 10mm to 100mm. Auto-switch capable.

Motion Pattern : Double Action

Working Medium : Air

Working Pressure range : 0.1~0.9Mpa

Ambient & fluid temperature : -5 to 70°C (with no freezing)

Max. operating pressure : 1.35 Mpa

Operating speed range : 50-750 mm/s

→ **HSN 841231**

DIA(mm)	10	12	16
Port Size	m5x0.8	m5x0.8	m5x0.8



Stroke	BORE		
mm	10	12	16
10	700	700	700
15	700	700	700
25	700	700	700
30	700	700	700
50	700	700	700
80	800	800	800
100	900	900	900

Twin Rod Cylinder - Model - TN

The **Phoenix 'TN'** model is a thin double cylinder structure, high precision and non rotating 2 times the output force, side resistance load.

Motion Pattern : Double Action

Working Medium : Air

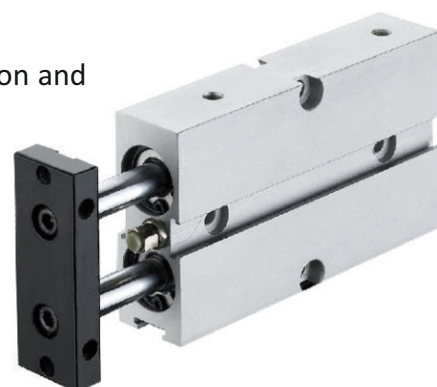
Working Pressure range : 0.1~0.9Mpa

Ambient & fluid temperature : -5 to 70°C (with no freezing)

Max. operating pressure : 1.35 Mpa

DIA(mm)	10	16	20	25	32
Port Size	m5x0.8	m5x0.8	m5x0.8	m5x0.8	1/8"

→ **HSN 841231**



TN Model - Magnetic Double Acting Cylinder

Stroke	BORE				
mm	10	16	20	25	32
25	1400	1600	2000	2400	4000
50	1600	1800	2200	2700	4400
80	1700	1900	2500	2800	4800
100	1900	2100	2700	3000	5000

Air Gripper - Model - MHZ2

The **MHZ2 Series** gripper has an integrated linear guide for high rigidity, positioned with two dowel pins to prevent guide slippage. It has mounting versatility on three sides, in five configurations.

- Bore sizes: 6, 10, 16, 20, 25, 32, 40 mm
- High repeatability: ±0.01 mm
- Auto switch capable

→ **HSN 841231**

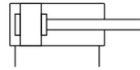


DIA(mm)	10	20	20	25	32	40
Port Size	m5x0.8	m5x0.8	m5x0.8	m5x0.8	1/8"	1/8"

Item Code	Price
MHZ2	Per Nos
MHZ2-10D	2700
MHZ2-16D	2700
MHZ2-20D	3600
MHZ2-25D	5200
MHZ2-32D	7800



Model - 'DNC' Cylinder



DIA(mm)	32	40	50	63	80
Port Size	1/8"	1/4"	1/4"	3/8"	3/8"

➔ **HSN 84123100**

DNC Model - Magnetic Double Acting Cylinder

Stroke	BORE				
mm	32	40	50	63	80
25	1780	2070	2750	3410	4890
50	1900	2240	3000	3690	4960
80	2170	2530	3490	4260	5720
100	2170	2530	3490	4260	5720
150	2430	2850	3970	4820	6950
200	2690	3180	4450	5380	7240
250	2900	3240	4630	5540	8020
300	3000	3540	5050	6100	8770

REED SWITCH



Model - Z73
LED Magnetic Sensor
Pneumatic Cylinder
Reed Switch 5-240v DC/AC

Z73	Applicable For DNC Series	480
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