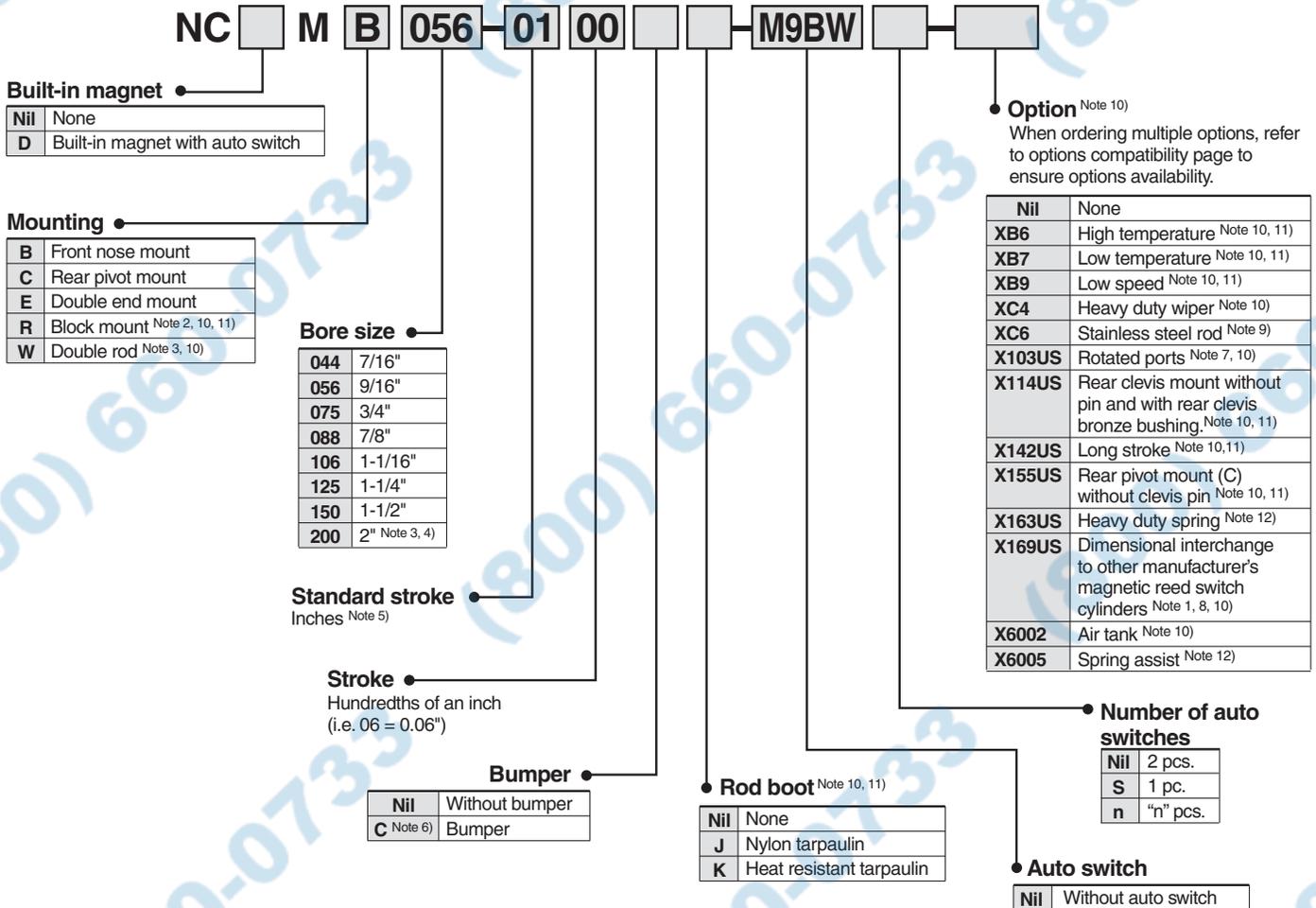


# Air Cylinder: Standard Double Acting, Single/Double Rod Series *NCM*

## How to Order



Note 1)  $\phi 3/4"$ ,  $\phi 1-1/16"$ ,  $\phi 1-1/2"$  and  $\phi 2"$  only.

Note 2) Not offered in  $\phi 7/8"$ ,  $\phi 1-1/4"$ , or with rod boot.

Note 3) Double acting only.

Note 4) Not available as standard with C, R mount, with rod boot.

Note 5) See specifications for standard and maximum stroke lengths.

Note 6) Bumper is offered at no additional cost on  $\phi 7/8"$  and  $\phi 1-1/4"$ . They are options on the other bore sizes. The "C" after the bore size must be included in either case. Bumper affects cylinder overall length of some models. Refer to the dimensional data.

Note 7) Available only with B or C mounting. Not available on 2" bore.

Note 8) Not available with  $\phi 7/8"$  bore, or with C, R mount, or non-rotating rod (K).

Note 9) Stainless steel rod standard on  $\phi 7/16"$ ,  $\phi 9/16"$ ,  $\phi 3/4"$  and  $\phi 7/8"$ .

Note 10) Exclude  $\phi 7/16"$  and  $\phi 9/16"$ .

Note 11) Exclude  $\phi 2"$ .

Note 12)  $\phi 3/4"$ ,  $\phi 1-1/16"$  and  $\phi 1-1/2"$  only.

## Auto Switch Specifications

### Applicable Auto Switches

Type	Special function	Electrical entry	Indicator/light	Wiring (Output)	Load voltage		Auto switch model	Lead wire length (m)					Pre-wired connector	Applicable load				
					DC	AC		0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)		IC circuit	Relay, PLC			
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	—	M9N	●	●	●	○	—	○	IC circuit	Relay, PLC			
				3-wire (PNP)				●	●	●	○	—	○					
		Connector		2-wire				12 V	●	—	●	●	—			○		
				Grommet				3-wire (NPN)	5 V, 12 V	—	M9NW	●	●			●	○	—
	3-wire (PNP)	●	●		●	○	—	○										
	Water resistant (2-color indication)	2-wire	12 V		●	●	●	○				—	○					
		With diagnostic output (2-color indication)	4-wire (NPN)		5 V, 12 V	—	H7BA	—				—	●	○		—	○	
	H7NF			●				—	●	○	—	○						
Reed switch	—	Grommet	Yes	3-wire (NPN equivalent)	24 V	—	A96	●	—	●	—	—	—	IC circuit				
				Connector				2-wire	12 V	100 V	A93	●	—		●	—	—	—
										100 V or less	A90	●	—		●	—	—	—
										100 V, 200 V	B54	●	—		●	●	—	—
		200 V or less								B64	●	—	●	—	—	—		
		Grommet		2-wire				24 V	—	24 V or less	C73C	●	—	●	●	●	—	
												C80C	●	—	●	●	●	—
													B59W	●	—	●	—	—
Diagnostic indication (2-color indication)	Grommet		Yes		—	—	—					—		—	—	—	—	

\* Lead wire length symbols: 0.5 m ..... Nil (Example) M9N  
 1 m ..... M (Example) M9NW  
 3 m ..... L (Example) M9NWL  
 5 m ..... Z (Example) M9NWZ  
 None ..... N (Example) H7CN

\* Solid state switches marked with "○" are produced upon receipt of order.  
 \* D-B54, B64, and B59W cannot be mounted for bore size 044 and 056.

\* For details about auto switches with pre-wired connector, refer to Best Pneumatics catalog.  
 \* D-A9□, M9□, M9□W are shipped together.  
 (Only switch mounting bracket is assembled at the time of shipment.)  
 \* D-M9□M and M9□VM which lead wire length is 1 m are available from July, 2008.