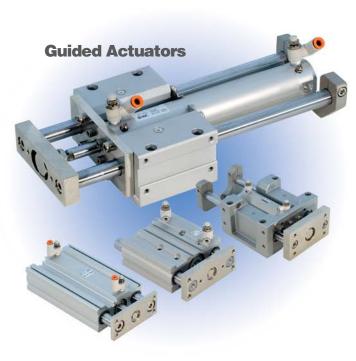






Simplified ordering of SPEED CONTROLS with ACTUATORS



- Single part number
 Specify speed controls by tubing size and controller style
- Sized for cylinder performance

 Adjustablility from minimum to maximum actuator speed
- One-touch connection convenience

 Push to connect tubing connection speeds installation



How to Order

NCDQ2B40-50D-M9PL -R 07 US

Standard Part Number

1. Configure standard actuator part number

2. Select speed control style

- 3. Select available tube size from the series chart
- 4. Using the appropriate symbols for 2 and 3, configure the complete part number
- Two (2) meter-out speed controls will be provided with each actuator. To minimize the risk of shipping damage, they will not be installed prior to shipment. If installation is desired, please contact your SMC representative.

Speed Control Style

Symbol	Description
R	Right angle
U	Universal elbow

◆ Tube O.D.	•
-------------	---

Inch S	Sizes	Metric Sizes			
Symbol	Diameter	Symbol	Diameter		
01	1/8"	02	2mm		
03	5/32"	04	4mm		
07	1/4"	06	6mm		
09	5/16"	08	8mm		
11	3/8"	10	10mm		
13	1/2"	12	12mm		

Basic Cylinders

Compact Body Cylinders

Series NCM

		Tubing OD							
Bore		1/8"	5/32"	1/4"	5/16"	3/8"	1/2		
		01	03	07	09	11	13		
7/16"	044	•	•	•					
9/16"	056	•	•	•					
3/4"	075		•	•	•				
7/8"	088		•	•	•				
1-1/16"	106		•	•	•				
1-1/4"	125		•	•	•				
1-1/2"	150		•	•	•				
2"	200			•	•	•			

- Domestic interchageable non-repairable cylinder
- · Standard piston wear ring increase service life

Repairable

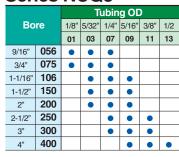
NC145

round body cylinder

• Capable of speeds up to 40 in/sec · For cylinder details, see catalog

· See catalog IBD20-2 for cylinder details

Series NCQ8



- Domestic interchageable compact body cylinder
- Super compact design is available for further space savings
- For cylinder details, see catalog

Series NCG

ı				Tubing OD							
	Во	re	1/8"	5/32"	1/4"	5/16"	3/8"	1/2			
ı			01	03	07	09	11	13			
Ī	3/4"	20		•	•						
ĺ	1"	25		•	•						
ĺ	1-1/4"	32		•	•	•					
I	1-1/2"	40		•	•	•					
Ī	2"	50			•	•	•				
I	2-1/2"	63			•	•	•				

- Available only on air cushion model
- ☐ Available only on urethane cushion model

Series NCQ2 (Inch)

		·—	(IIICII	,	
	T	ubin	g OE)	
1/8"	5/32"	1/4"	5/16"	3/8"	1/2
01	03	07	09	11	13
•	•	•			
•	•	•			
•	•	•			
•	•	•			
	•	•	•		
	•	•	•		
		•	•	•	
		•	•	•	
			•	•	•
			•	•	•
			•	•	•
			•	•	•
			•	•	•
	01	1/8" 5/32" 01 03 • • • • • • • • • • • • • • • • • • •	1/8" 5/32" 1/4" 01 03 07 • • • • • • •	Tubing O1 1/8" 5/32" 1/4" 5/16" 01 03 07 09	Tubing OD 1/8" 5/32" 1/4" 5/16" 3/8" 01 03 07 09 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



Series CQ2 (Metric)

			Tubir	ng OE)	
Bore (mm)	2mm	4mm	6mm	8mm	10mm	12mm
(11111)	02	04	06	08	10	12
12		•	•			
16		•	•			
20		•	•			
25		•	•			
32		•	•	•		
40		•	•	•		
50			•	•	•	
63			•	•	•	
80				•	•	•
100				•	•	•
125				•	•	•
140				•	•	•
160				•	•	•

- (CQ2) models available
- 13 bore size available · See catalog N320 for cylinder details

· Hard anodized, compact aluminum body

• Both inch (NCQ2) and metric

Series NCA1

	001100 110711									
		Tubing OD								
	Bore		1/8"	5/32"	1/4"	5/16"	3/8"	1/2		
			01	03	07	09	11	13		
	1-1/2"	150			•	•	•	•		
	2"	200			•	•	•	•		
	2-1/2"	250			•	•	•	•		
	3-1/4"	325				•	•	•		
	4"	400				•	•	•		

- NFPA interchangeable tie rod cylinder
- · Medium duty aluminum design with standard air cushions
- See catalog N304 for cylinder details

TWO BASIC STYLES

Right angle type



Simple, compact design

Universal elbow



Inlet swivels for maxium connection flexibility

Common features:

- · Body rotates on stud for easy final positioning for inlet
- One-touch connection for simple, secure attachment of tubing
- Knurled lock nut and sealant are standard

For this actuator option, meter-out is the only configuration offered. SMC offers the broadest range of speed controls in the industry, ask for catalog **NC140** for details on our full line.

Guided Cylinders

Series MGP/MGQ

			Tubin						
Bore	Inch port actuator								
bore	1/8"	5/32"	1/4"	5/16"	3/8"	1/2"			
	01	03	07	09	11	13			
12	•	•	•						
16	•	•	•						
20		•	•	•					
25		•	•	•					
32		•	•	•					
40		•	•	•					
50			•	•	•				
63			•	•	•				
80				•	•	•			
100				•	•	•			

- Only available in right angle type.

- Compact body guided actuators
- Basic (MGQ) and enhanced (MGP) models available
- For actuator details, see catalog ES20-117 (MGP) or E225 (MGQ)



Series MGG

901100 III GI GI								
	Tubing OD							
		Incl	າ port	actua	itor			
Bore	1/8"	5/32"	1/4"	5/16"	3/8"	1/2"		
	01	03	07	09	11	13		
20		•	•	•				
25		•	•	•				
32		•	•	•				
40		•	•	•				
50			•	•	•			

		Tubin	ıg OD							
	Metric port actuator									
2mm	4mm	6mm	8mm	10mm	12mn					
02	04	06	08	10	12					
	•	•	•							
	•	•	•							
	•	•	•							
	•	•	•							
		•	•	•						

- · Actuator with integrated guide rods
- Integral shock absorbers for controlled stop
- See catalog ES20-191 for actuator details



Series MGC

	001.00						
ĺ				Tubin	ıg OD		
ı			Inc	h port	actua	ator	
ı	Bore	1/8"	5/32"	1/4"	5/16"	3/8"	1/2"
ı		01	03	07	09	11	13
Ī	20		•	•			
ĺ	25		•	•			
ı	32		•	•	•		
ĺ	40		•	•	•		
ĺ	50			•	•	•	

		Tubing OD							
Metric port actuator									
2mm	4mm	6mm	8mm	10mm	12mm				
02	04	06	08	10	12				
	•	•							
	•	•							
	•	•	•						
	•	•	•						
			•						

- Compact version of series MGG
- Standard air cushions for end of stroke energy absorption
- See catalog ES20-191 for actuator
 details





Go online to save time and money with SMC's dynamic real-time E tech website. There you can view and download both 2D and 3D CAD files in multiple formats. This is provided free of charge to our customers.

Website URL http://www.smcetech.com



Selecting the right product is made easy via our database driven part number configuration and validation.

Product catalogs available for download and printing.



Get Connected with SMC Tubing!

Polyurethane

- Extreme flexibility
- Abrasion and kink resistant
- Good pressure rating
- Low compression set
- Three durometer choices
- 29 standard colors in standard type
- Standard coiled or flat models available

Nylon

- High pressure rating
- Broad chemical resistance
- High thermal resistance
- Two durometer choices
- Light weight
- High abrasion resistance
- Seven standard colors available

Also available:

- Clean room tubing
- Anti static tubing
- Weld spatter resistant Fluropolymer tubing



- Inch sizes from 1/8" to 1/2"
- Metric sizes from 2mm to 16mm
- Standard roll lengths to 1,000' or 500m





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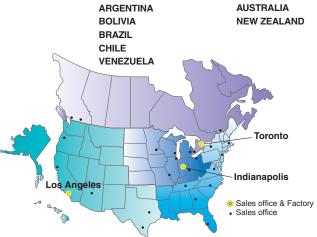


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