



**RAPID CONTROL SERVICE, INC.**

***Partners In Automation Since 1964***

PNEUMATIC / ELECTRICAL / RESISTANCE WELDING

Phone: 616-538-1111

WATTS: 1-800-632-1857

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# SMC CYLINDER GUIDE



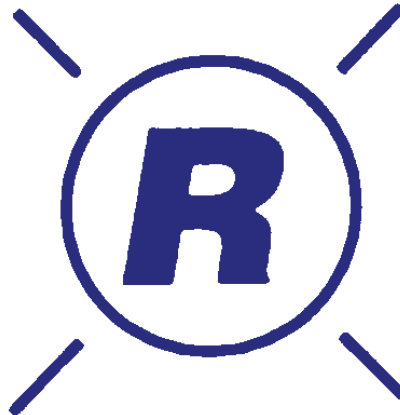
Compacts



Stainless



Guided



Locking

*2479 28th Street - Grand Rapids, MI - 49519*



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## Basic Cylinders



### NCJP

#### Pin Cylinder

CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 6mm ▪ 10mm ▪ 15mm
- Compact Design Minimizes Mounting Space
- Five Mounting Styles Available
- Double Acting
- Auto Switch Capable



### NCJ2

#### Mini Stainless

CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 6mm ▪ 10mm ▪ 16mm
- High Speed Actuation
- Tight Machining Tolerances
- Compact and Lightweight
- Easy Mounting



### NCM

#### Stainless Steel

CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 3/4 ▪ 7/8 ▪ 1-1/16 ▪ 1-1/4 ▪ 1-1/2
- Stainless Steel Body for low Breakaway Friction
- Double Rod/Double End Mounting
- 6 Available Mounting Options
- Bimba Interchange



### NCG

#### Precision Cyl

CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 20 ▪ 25 ▪ 32 ▪ 40 ▪ 50 ▪ 63mm
- Short Overall Length For Stroke
- High Speed-Maximum 40 inches/second
- 9 Mounting Options
- Auto Switch Capable



### NCA1

#### NFPA Cylinder

CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 1-1/2" ▪ 2" ▪ 2-1/2" ▪ 3-1/4" ▪ 4"
- 12 Different Mounting Options
- Standard Air Cushioning
- Non-Rotating Option
- Auto Switch Capable



### NCA1

#### Heavy Duty

CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: Medium - 5" ▪ 6" ▪ 8"
- Heavy - 1-1/2" ▪ 2" ▪ 2-1/2" ▪ 3-1/4" ▪ 4" ▪ 5" ▪ 6" ▪ 10" ▪ 12" ▪ 14"
- Aluminum (MD) Steel (HD)
- 19 NFPA Mounting Options

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**NCQ2**  
**Compact Cylinder**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 12 ▪ 16 ▪ 20 ▪ 25 ▪ 32 ▪ 40 ▪ 63 ▪ 80 ▪ 100 ▪ 125 ▪ 140 ▪ 160mm
- Compact
- Lightweight
- Space Saving



**CDQ2\*P**  
**Compact Cylinder**  
**Large Bore**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 125 ▪ 140 ▪ 160 ▪ 180 ▪ 200mm
- Compact
- Stroke 10mm To 300mm
- Auto Switch Capable



**NCQ8**  
**Compact Cylinder**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 9/16" ▪ 3/4" ▪ 1-1/16" ▪ 1-1/2" ▪ 2" ▪ 2-1/2" ▪ 3" ▪ 4"
- Compact
- Lightweight
- Auto Switch Capable



**CLA**  
**Locking Cylinder**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

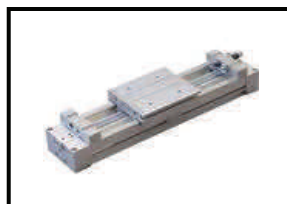
- Bore Sizes: 40 ▪ 50 ▪ 63 ▪ 80 ▪ 100mm
- High Intermediate Stopping Accuracy
- 3 Types of Locking Mechanisms
- Locks In Either Extended Or Retracted Direction

## Rodless Cylinders



**NCY2**  
**Mag Coupled**  
**Rodless Cylinder**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 6 ▪ 10 ▪ 15 ▪ 25 ▪ 32 ▪ 40mm
- Space Savings
- Basic Or Slider Model Available
- 2 Different retaining Force Options
- Long Stroke Available (Up to 80")



**MY1**  
**Mechanical Joint**  
**Band Cylinders**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 16 ▪ 20 ▪ 25 ▪ 32 ▪ 40 ▪ 50 ▪ 63 ▪ 80 ▪ 100mm
- Basic, Slide Bearing, cam & High Precision Models
- Stroke Adjusting Unit & Shock Absorbers Optional
- Multiple Piping Options
- Superior Space Savings Properties
- Auto Switch Wire Channel System

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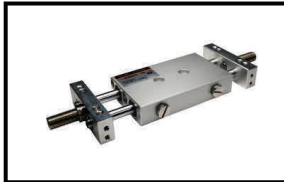
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## Guided Cylinders



**CXS**  
**Dual Rod Cylinder**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 6 ▪ 10 ▪ 15 ▪ 20 ▪ 25 ▪ 32mm
- Four Mounting Surface Choices
- Two Porting Locations
- Standard Bumper
- Adjustable Stroke 0 to 5mm



**NCX2**  
**Slide Unit**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 10 ▪ 15 ▪ 25mm
- Highly Accurate Positioning
- Dual Mounting Options
- Wide Stroke Range (1" to 8")
- Stroke Adjustment Is Standard



**MX**  
**Slide Tables**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 6 ▪ 8 ▪ 10 ▪ 12 ▪ 16 ▪ 20 ▪ 25mm
- Integrated Cylinder and Guide Bearing
- 6 Styles
- Multiple Mounting and Porting Configuration
- Wide Range of Options



**MGP**  
**Guide Cylinder**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 12, 16, 20, 25, 32, 40, 50, 63, 80, 100mm
- Compact, Single Body Guide Cylinder
- Two Bearing Types For Stopping or Lifting
- Standard Porting from Top and Side
- Flexible Mounting Options Including T-Slot



**MGQ**  
**Guide Cylinder**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 12, 16, 20, 25, 32, 40, 50, 63, 80, 100mm
- Compact, Single Body Guide Cylinder
- Perfect For Conveyor Line Stopping & Lifting
- Mounts From Bottom Or Side
- Auto Switch Capable



**MGG**  
**Guide Cylinder**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 20 ▪ 25 ▪ 32 ▪ 40 ▪ 50mm
- Linear Transfer Unit Resists Lateral Loading
- Provides Precise Non-Rotating Motion
- Slide Bushing Or Linear Ball Bearing Models
- End Of Stroke Shock Absorbers Are Standard



**MGC**  
**Guide Cylinder**  
CAD Available  
[www.smcusa.com](http://www.smcusa.com)

- Bore Sizes: 20 ▪ 25 ▪ 32 ▪ 40 ▪ 50mm
- Space Saving and Lightweight
- Compact Tool Plate and Guide Body
- Two Bearing Types For Stopping Or Lifting Applications