



# G-Series ISO 15552 Pneumatic Cylinders – 63mm Bore

## 63mm Bore, Double-acting, Magnetic Piston, Cushions



NITRA pneumatic ISO 15552 interchangeable cylinder, 63mm bore, 20mm diameter piston rod, G3/8 (BSPP) female ports, double acting; flange, pivot and clevis mount options available. Adjustable cushions on both ends. See the end of the section for accessory details.

### Features

- Adjustable cushions
- Internal magnet for sensor switching
- Three sides with longitudinal slots for inserting and securing retractable sensors such as type CPS9F and CPS9Q (see position switches at the end of the cylinder section for further details)
- G (BSPP) threaded ports

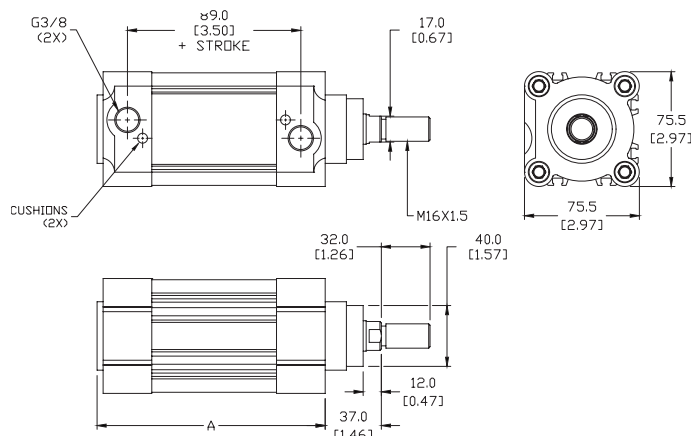


| 63mm bore, double acting, tapped end caps |          |                    |                 |             |
|-------------------------------------------|----------|--------------------|-----------------|-------------|
| Part Number                               | Price    | Stroke Length (mm) | "A" (mm [inch]) | Weight (lb) |
| <a href="#">G63M025MD-MC</a>              | \$112.00 | 25                 | 146 [5.75]      | 3.7         |
| <a href="#">G63M050MD-MC</a>              | \$115.00 | 50                 | 171 [6.73]      | 4.0         |
| <a href="#">G63M075MD-MC</a>              | \$120.00 | 75                 | 196 [7.72]      | 4.4         |
| <a href="#">G63M100MD-MC</a>              | \$125.00 | 100                | 221 [8.70]      | 4.7         |
| <a href="#">G63M125MD-MC</a>              | \$127.00 | 125                | 246 [9.69]      | 5.0         |
| <a href="#">G63M150MD-MC</a>              | \$129.00 | 150                | 271 [10.67]     | 5.3         |
| <a href="#">G63M200MD-MC</a>              | \$135.00 | 200                | 321 [12.64]     | 6.0         |
| <a href="#">G63M250MD-MC</a>              | \$140.00 | 250                | 371 [14.61]     | 6.6         |
| <a href="#">G63M300MD-MC</a>              | \$147.00 | 300                | 421 [16.57]     | 7.3         |
| <a href="#">G63M400MD-MC</a>              | \$158.00 | 400                | 521 [20.51]     | 8.6         |
| <a href="#">G63M500MD-MC</a>              | \$172.00 | 500                | 621 [24.45]     | 9.8         |
| <a href="#">G63M600MD-MC</a>              | \$184.00 | 600                | 721 [28.39]     | 11.2        |

\* The cushions decelerate the piston rod over the last mm (approx.) of stroke and are adjustable. Cushioned cylinders have an adjustable orifice and pre-lubricated nitrile cushion seal.

## Dimensions

mm [inches]



| Specifications                                              |                                                                |
|-------------------------------------------------------------|----------------------------------------------------------------|
| Aluminum body and end caps                                  | Plastoferrite magnet                                           |
| C45 chromed piston rod                                      | NBR (Nitrile Butadiene Rubber) buffer + static o-rings         |
| Die cast aluminum head                                      | NBR (Nitrile Butadiene Rubber) cushioning gasket               |
| NBR (Nitrile Butadiene Rubber) piston and piston rod gasket | Brass cushioning needle with needle out movement safety system |
| Steel guide bushing with bronze and PTFE (Teflon) insert    | Pressure rating 145 psi [10 bar], AIR ONLY                     |
| Drawn anodized aluminum body                                | Temperature rating 14°F to 176°F [-10°C to 80°C]               |
| Self-lubricating technopolymer piston                       |                                                                |
| Extend force at 100 psi = 483.0 lb.                         | Retract force at 100 psi = 434.4 lb.                           |

BSPP = British Standard Pipe Parallel

| Mounting Accessories  |                           |
|-----------------------|---------------------------|
| Style                 | Part No.                  |
| Foot Mount            | <a href="#">GMB-63MM</a>  |
| Front or Rear Flange  | <a href="#">GFL-63MM</a>  |
| Male Rear Clevis      | <a href="#">GMC-63MM</a>  |
| Spherical Male Clevis | <a href="#">GSMC-63MM</a> |

| Rod Accessories           |                             |
|---------------------------|-----------------------------|
| Style                     | Part No.                    |
| Rod Clevis                | <a href="#">GRC-M16-15</a>  |
| Rod Eye                   | <a href="#">GRE-M16-15</a>  |
| Self Aligning Rod Coupler | <a href="#">GRCP-M16-15</a> |
| Rod Nut                   | <a href="#">GN-M16-15</a>   |

See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.



# G-Series ISO 15552 Pneumatic Cylinders – Accessories

| G-Series Heavy Duty Pneumatic Cylinder Accessories |                                                                                                               |         |         |                            |         |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------|---------|----------------------------|---------|
| Part Number                                        | Description                                                                                                   | Pcs/Pkg | Wt (lb) | Drawing Link               | Price   |
| <a href="#"><u>GRC-M10-125</u></a>                 | Rod clevis, M10 X 1.25 thread, zinc plated steel. For use with NITRA G-series cylinders.                      | 1       | 0.2     | <a href="#"><u>PDF</u></a> | \$4.50  |
| <a href="#"><u>GRC-M12-125</u></a>                 | Rod clevis, M12 X 1.25 thread, zinc plated steel. For use with NITRA G-series cylinders.                      | 1       | 0.3     | <a href="#"><u>PDF</u></a> | \$7.50  |
| <a href="#"><u>GRC-M16-15</u></a>                  | Rod clevis, M16 X 1.5 thread, zinc plated steel. For use with NITRA G-series cylinders.                       | 1       | 0.8     | <a href="#"><u>PDF</u></a> | \$16.00 |
| <a href="#"><u>GRC-M20-15</u></a>                  | Rod clevis, M20 X 1.5 thread, zinc plated steel. For use with NITRA G-series cylinders.                       | 1       | 1.5     | <a href="#"><u>PDF</u></a> | \$26.00 |
| <a href="#"><u>GRE-M10-125</u></a>                 | Rod eye, M10 X 1.25 thread, spherical bearing, zinc plated steel. For use with NITRA G-series cylinders.      | 1       | 0.2     | <a href="#"><u>PDF</u></a> | \$25.00 |
| <a href="#"><u>GRE-M12-125</u></a>                 | Rod eye, M12 X 1.25 thread, spherical bearing, zinc plated steel. For use with NITRA G-series cylinders.      | 1       | 0.3     | <a href="#"><u>PDF</u></a> | \$28.50 |
| <a href="#"><u>GRE-M16-15</u></a>                  | Rod eye, M16 X 1.5 thread, spherical bearing, zinc plated steel. For use with NITRA G-series cylinders.       | 1       | 0.5     | <a href="#"><u>PDF</u></a> | \$53.00 |
| <a href="#"><u>GRE-M20-15</u></a>                  | Rod eye, M20 X 1.5 thread, spherical bearing, zinc plated steel. For use with NITRA G-series cylinders.       | 1       | 0.9     | <a href="#"><u>PDF</u></a> | \$71.00 |
| <a href="#"><u>GRCP-M10-125</u></a>                | Self-aligning rod coupler, M10 X 1.25 thread, zinc plated steel. For use with NITRA G-series cylinders.       | 1       | 0.5     | <a href="#"><u>PDF</u></a> | \$57.00 |
| <a href="#"><u>GRCP-M12-125</u></a>                | Self-aligning rod coupler, M12 X 1.25 thread, zinc plated steel. For use with NITRA G-series cylinders.       | 1       | 0.7     | <a href="#"><u>PDF</u></a> | \$60.00 |
| <a href="#"><u>GRCP-M16-15</u></a>                 | Self-aligning rod coupler, M16 X 1.5 thread, zinc plated steel. For use with NITRA G-series cylinders.        | 1       | 1.4     | <a href="#"><u>PDF</u></a> | \$78.00 |
| <a href="#"><u>GRCP-M20-15</u></a>                 | Self-aligning rod coupler, M20 X 1.5 thread, zinc plated steel. For use with NITRA G-series cylinders.        | 1       | 1.5     | <a href="#"><u>PDF</u></a> | \$96.00 |
| <a href="#"><u>GMB-32MM</u></a>                    | Foot mount bracket, zinc plated steel. For use with 32mm bore NITRA G-series cylinders.                       | 1       | 0.2     | <a href="#"><u>PDF</u></a> | \$7.00  |
| <a href="#"><u>GMB-40MM</u></a>                    | Foot mount bracket, zinc plated steel. For use with 40mm bore NITRA G-series cylinders.                       | 1       | 0.3     | <a href="#"><u>PDF</u></a> | \$8.25  |
| <a href="#"><u>GMB-50MM</u></a>                    | Foot mount bracket, zinc plated steel. For use with 50mm bore NITRA G-series cylinders.                       | 1       | 0.4     | <a href="#"><u>PDF</u></a> | \$9.50  |
| <a href="#"><u>GMB-63MM</u></a>                    | Foot mount bracket, zinc plated steel. For use with 63mm bore NITRA G-series cylinders.                       | 1       | 0.6     | <a href="#"><u>PDF</u></a> | \$10.50 |
| <a href="#"><u>GMB-80MM</u></a>                    | Foot mount bracket, zinc plated steel. For use with 80mm bore NITRA G-series cylinders.                       | 1       | 1.0     | <a href="#"><u>PDF</u></a> | \$15.00 |
| <a href="#"><u>GMB-100MM</u></a>                   | Foot mount bracket, zinc plated steel. For use with 100mm bore NITRA G-series cylinders.                      | 1       | 1.3     | <a href="#"><u>PDF</u></a> | \$24.00 |
| <a href="#"><u>GMC-32MM</u></a>                    | Rear pivot eye, zinc plated steel. For use with 32mm bore NITRA G-series cylinders.                           | 1       | 0.2     | <a href="#"><u>PDF</u></a> | \$18.00 |
| <a href="#"><u>GMC-40MM</u></a>                    | Rear pivot eye, zinc plated steel. For use with 40mm bore NITRA G-series cylinders.                           | 1       | 0.3     | <a href="#"><u>PDF</u></a> | \$19.00 |
| <a href="#"><u>GMC-50MM</u></a>                    | Rear pivot eye, zinc plated steel. For use with 50mm bore NITRA G-series cylinders.                           | 1       | 0.6     | <a href="#"><u>PDF</u></a> | \$22.00 |
| <a href="#"><u>GMC-63MM</u></a>                    | Rear pivot eye, zinc plated steel. For use with 63mm bore NITRA G-series cylinders.                           | 1       | 0.9     | <a href="#"><u>PDF</u></a> | \$26.00 |
| <a href="#"><u>GMC-80MM</u></a>                    | Rear pivot eye, zinc plated steel. For use with 80mm bore NITRA G-series cylinders.                           | 1       | 1.5     | <a href="#"><u>PDF</u></a> | \$32.00 |
| <a href="#"><u>GMC-100MM</u></a>                   | Rear pivot eye, zinc plated steel. For use with 100mm bore NITRA G-series cylinders.                          | 1       | 2.4     | <a href="#"><u>PDF</u></a> | \$44.50 |
| <a href="#"><u>GSMC-32MM</u></a>                   | Rear spherical pivot, spherical bearing, zinc plated steel. For use with 32mm bore NITRA G-series cylinders.  | 1       | 0.3     | <a href="#"><u>PDF</u></a> | \$25.00 |
| <a href="#"><u>GSMC-40MM</u></a>                   | Rear spherical pivot, spherical bearing, zinc plated steel. For use with 40mm bore NITRA G-series cylinders.  | 1       | 0.4     | <a href="#"><u>PDF</u></a> | \$27.00 |
| <a href="#"><u>GSMC-50MM</u></a>                   | Rear spherical pivot, spherical bearing, zinc plated steel. For use with 50mm bore NITRA G-series cylinders.  | 1       | 0.5     | <a href="#"><u>PDF</u></a> | \$39.00 |
| <a href="#"><u>GSMC-63MM</u></a>                   | Rear spherical pivot, spherical bearing, zinc plated steel. For use with 63mm bore NITRA G-series cylinders.  | 1       | 0.7     | <a href="#"><u>PDF</u></a> | \$50.00 |
| <a href="#"><u>GSMC-80MM</u></a>                   | Rear spherical pivot, spherical bearing, zinc plated steel. For use with 80mm bore NITRA G-series cylinders.  | 1       | 1.3     | <a href="#"><u>PDF</u></a> | \$62.00 |
| <a href="#"><u>GSMC-100MM</u></a>                  | Rear spherical pivot, spherical bearing, zinc plated steel. For use with 100mm bore NITRA G-series cylinders. | 1       | 1.9     | <a href="#"><u>PDF</u></a> | \$84.00 |
| <a href="#"><u>GFL-32MM</u></a>                    | Flange mount plate, zinc plated steel. For use with 32mm bore NITRA G-series cylinders.                       | 1       | 0.5     | <a href="#"><u>PDF</u></a> | \$12.00 |
| <a href="#"><u>GFL-40MM</u></a>                    | Flange mount plate, zinc plated steel. For use with 40mm bore NITRA G-series cylinders.                       | 1       | 0.6     | <a href="#"><u>PDF</u></a> | \$13.00 |
| <a href="#"><u>GFL-50MM</u></a>                    | Flange mount plate, zinc plated steel. For use with 50mm bore NITRA G-series cylinders.                       | 1       | 1.2     | <a href="#"><u>PDF</u></a> | \$16.00 |
| <a href="#"><u>GFL-63MM</u></a>                    | Flange mount plate, zinc plated steel. For use with 63mm bore NITRA G-series cylinders.                       | 1       | 1.5     | <a href="#"><u>PDF</u></a> | \$23.00 |
| <a href="#"><u>GFL-80MM</u></a>                    | Flange mount plate, zinc plated steel. For use with 80mm bore NITRA G-series cylinders.                       | 1       | 3.1     | <a href="#"><u>PDF</u></a> | \$26.00 |
| <a href="#"><u>GFL-100MM</u></a>                   | Flange mount plate, zinc plated steel. For use with 100mm bore NITRA G-series cylinders.                      | 1       | 4.5     | <a href="#"><u>PDF</u></a> | \$31.00 |
| <a href="#"><u>GN-M10-125</u></a>                  | Rod nut, M10 X 1.25 thread, zinc plated steel. For use with NITRA G-series cylinders.                         | 1       | 0.2     | <a href="#"><u>PDF</u></a> | \$1.50  |
| <a href="#"><u>GN-M12-125</u></a>                  | Rod nut, M12 X 1.25 thread, zinc plated steel. For use with NITRA G-series cylinders.                         | 1       | 0.2     | <a href="#"><u>PDF</u></a> | \$1.75  |
| <a href="#"><u>GN-M16-15</u></a>                   | Rod nut, M16 X 1.5 thread, zinc plated steel. For use with NITRA G-series cylinders.                          | 1       | 0.2     | <a href="#"><u>PDF</u></a> | \$2.00  |
| <a href="#"><u>GN-M20-15</u></a>                   | Rod nut, M20 X 1.5 thread, zinc plated steel. For use with NITRA G-series cylinders.                          | 1       | 0.2     | <a href="#"><u>PDF</u></a> | \$2.25  |



# G-Series ISO Pneumatic Cylinders – Accessories

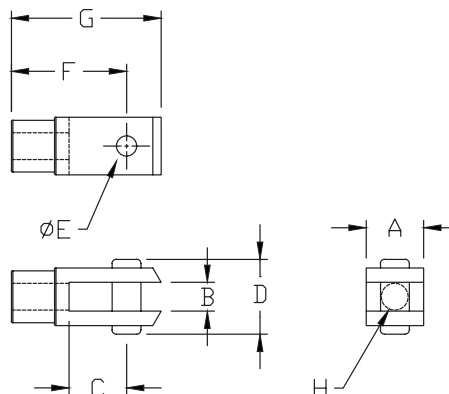
## Rod Clevis



Part no. [GRC-M10-125](#)

### Dimensions

mm [inches]



Note: Comes with Pivot Pin installed.

| Rod Clevis Dimension Table  |                 |                 |                 |                 |                 |                 |                  |          |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|----------|
| Part #                      | A               | B               | C               | D               | E               | F               | G                | H        |
| <a href="#">GRC-M10-125</a> | 20.00<br>[0.78] | 10.00<br>[0.39] | 10.00<br>[0.39] | 26.00<br>[1.02] | 10.00<br>[0.39] | 40.00<br>[1.57] | 52.00<br>[2.04]  | M10x1.25 |
| <a href="#">GRC-M12-125</a> | 24.00<br>[0.94] | 12.00<br>[0.47] | 24.00<br>[0.94] | 32.00<br>[1.25] | 12.00<br>[0.47] | 48.00<br>[1.88] | 62.00<br>[2.44]  | M12x1.25 |
| <a href="#">GRC-M16-15</a>  | 32.00<br>[1.25] | 16.00<br>[0.62] | 32.00<br>[1.25] | 40.00<br>[1.57] | 16.00<br>[0.62] | 64.00<br>[2.51] | 83.00<br>[3.26]  | M16x1.5  |
| <a href="#">GRC-M20-15</a>  | 40.00<br>[1.57] | 20.00<br>[0.78] | 40.00<br>[1.57] | 48.00<br>[1.88] | 20.00<br>[0.78] | 80.00<br>[3.14] | 105.00<br>[4.13] | M20x1.5  |

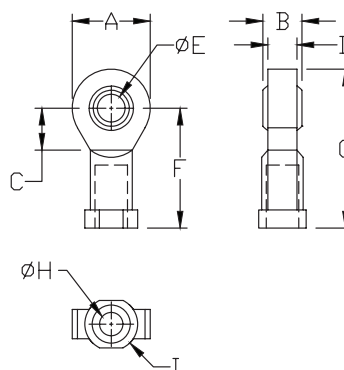
## Rod Eye



Part no. [GRE-M10-125](#)

### Dimensions

mm [inches]



| Rod Eye Dimension Table     |                 |                 |                 |                 |                 |                 |                  |          |              |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|----------|--------------|
| Part #                      | A               | B               | C               | D               | E               | F               | G                | H        | I            |
| <a href="#">GRE-M10-125</a> | 28.00<br>[1.10] | 14.00<br>[0.55] | 15.00<br>[0.59] | 10.50<br>[0.41] | 10.00<br>[0.39] | 43.00<br>[1.69] | 57.00<br>[2.24]  | M10x1.25 | 19<br>[0.74] |
| <a href="#">GRE-M12-125</a> | 32.00<br>[1.25] | 16.00<br>[0.62] | 17.00<br>[0.66] | 12.00<br>[0.47] | 12.00<br>[0.47] | 50.00<br>[1.96] | 66.00<br>[2.59]  | M12x1.25 | 19<br>[0.74] |
| <a href="#">GRE-M16-15</a>  | 42.00<br>[1.65] | 21.00<br>[0.82] | 22.00<br>[0.86] | 15.00<br>[0.59] | 16.00<br>[0.62] | 64.00<br>[2.51] | 85.00<br>[3.34]  | M16x1.5  | 22<br>[0.86] |
| <a href="#">GRE-M20-15</a>  | 50.00<br>[1.96] | 25.00<br>[0.98] | 26.00<br>[1.02] | 18.00<br>[0.70] | 20.00<br>[0.78] | 77.00<br>[3.03] | 102.00<br>[4.01] | M20x1.5  | 27<br>[1.06] |

See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.



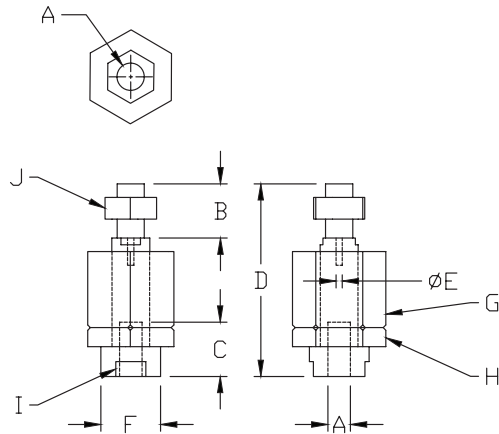
# G-Series ISO Pneumatic Cylinders – Accessories

## Self Aligning Rod Coupler

Part no. [GRCP-M10-125](#)

### Dimensions

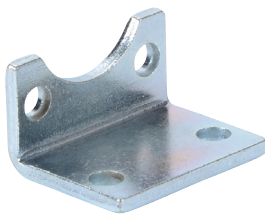
mm [inches]



### Self Aligning Rod Coupler Dimension Table

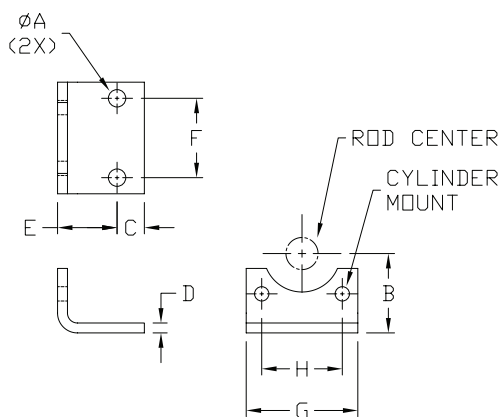
| Part #                       | A        | B               | C               | D                | E              | F               | G               | H               | I               | J               |
|------------------------------|----------|-----------------|-----------------|------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <a href="#">GRCP-M10-125</a> | M10x1.25 | 20.00<br>[0.78] | 20.00<br>[0.78] | 71.00<br>[2.79]  | 4.00<br>[0.15] | 22.00<br>[0.86] | 30.00<br>[1.18] | 30.00<br>[1.18] | 19.00<br>[0.74] | 17.00<br>[0.66] |
| <a href="#">GRCP-M12-125</a> | M12x1.25 | 24.00<br>[0.94] | 20.00<br>[0.78] | 75.00<br>[2.95]  | 4.00<br>[0.15] | 22.00<br>[0.86] | 30.00<br>[1.18] | 30.00<br>[1.18] | 19.00<br>[0.74] | 19.00<br>[0.74] |
| <a href="#">GRCP-M16-15</a>  | M16x1.5  | 32.00<br>[1.25] | 32.00<br>[1.25] | 103.00<br>[4.05] | 4.00<br>[0.15] | 32.00<br>[1.25] | 41.00<br>[1.61] | 41.00<br>[1.61] | 30.00<br>[1.18] | 24.00<br>[0.94] |
| <a href="#">GRCP-M20-15</a>  | M20x1.5  | 40.00<br>[1.57] | 40.00<br>[1.57] | 119.00<br>[4.68] | 4.00<br>[0.15] | 32.00<br>[1.25] | 41.00<br>[1.61] | 41.00<br>[1.61] | 30.00<br>[1.18] | 30.00<br>[1.18] |

## Foot Mount Bracket

Part no. [GMB-32MM](#)

### Dimensions

mm [inches]



Note: Individually packed with 2 screws

### Foot Mount Dimension Table

| Part #                    | A               | B               | C               | D              | E               | F               | G                | H              |
|---------------------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|------------------|----------------|
| <a href="#">GMB-32MM</a>  | 7.00<br>[0.27]  | 32.00<br>[1.25] | 11.00<br>[0.43] | 4.00<br>[0.15] | 24.00<br>[0.94] | 32.00<br>[1.25] | 45.00<br>[1.77]  | 32.5<br>[1.28] |
| <a href="#">GMB-40MM</a>  | 9.00<br>[0.35]  | 36.00<br>[1.41] | 15.00<br>[0.59] | 4.00<br>[0.15] | 28.00<br>[1.10] | 36.00<br>[1.41] | 52.00<br>[2.04]  | 38.0<br>[1.50] |
| <a href="#">GMB-50MM</a>  | 9.00<br>[0.35]  | 45.00<br>[1.77] | 15.00<br>[0.59] | 4.00<br>[0.15] | 32.00<br>[1.25] | 45.00<br>[1.77] | 52.00<br>[2.04]  | 46.5<br>[1.83] |
| <a href="#">GMB-63MM</a>  | 9.00<br>[0.35]  | 50.00<br>[1.96] | 15.00<br>[0.59] | 6.00<br>[0.23] | 32.00<br>[1.25] | 50.00<br>[1.96] | 75.00<br>[2.95]  | 56.5<br>[2.22] |
| <a href="#">GMB-80MM</a>  | 12.00<br>[0.47] | 63.00<br>[2.48] | 20.00<br>[0.78] | 6.00<br>[0.23] | 41.00<br>[1.61] | 63.00<br>[2.48] | 95.00<br>[3.74]  | 63.0<br>[2.48] |
| <a href="#">GMB-100MM</a> | 14.00<br>[0.55] | 71.00<br>[2.79] | 25.00<br>[0.98] | 6.00<br>[0.23] | 41.00<br>[1.61] | 75.00<br>[2.95] | 115.00<br>[4.52] | 89.0<br>[3.50] |

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# G-Series ISO Pneumatic Cylinders – Accessories

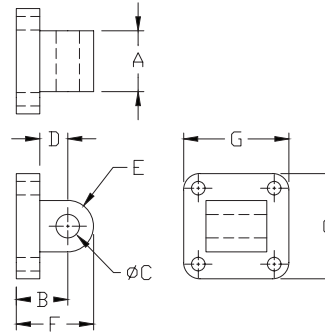
## Rear Pivot Eye



Part no. [GMC-32MM](#)

### Dimensions

mm [inches]

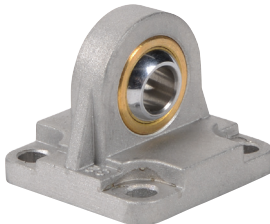


Note: Supplied with 4 screws, 4 washers

**Male Rear Clevis Dimension Table**

| Part #                    | A               | B               | C               | D               | E               | F               | G                |
|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| <a href="#">GMC-32MM</a>  | 26.00<br>[1.02] | 22.00<br>[0.86] | 10.00<br>[0.39] | 12.00<br>[0.47] | 11.00<br>[0.43] | 33.00<br>[1.29] | 45.00<br>[1.77]  |
| <a href="#">GMC-40MM</a>  | 28.00<br>[1.10] | 25.00<br>[0.98] | 12.00<br>[0.47] | 15.00<br>[0.59] | 13.00<br>[0.51] | 38.00<br>[1.49] | 52.00<br>[2.04]  |
| <a href="#">GMC-50MM</a>  | 32.00<br>[1.25] | 27.00<br>[1.06] | 12.00<br>[0.47] | 15.00<br>[0.59] | 13.00<br>[0.51] | 40.00<br>[1.57] | 65.00<br>[2.55]  |
| <a href="#">GMC-63MM</a>  | 40.00<br>[1.57] | 32.00<br>[1.25] | 16.00<br>[0.62] | 20.00<br>[0.78] | 17.00<br>[0.66] | 49.00<br>[1.92] | 75.00<br>[2.95]  |
| <a href="#">GMC-80MM</a>  | 50.00<br>[1.96] | 36.00<br>[1.41] | 16.00<br>[0.62] | 20.00<br>[0.78] | 17.00<br>[0.66] | 53.00<br>[2.08] | 95.00<br>[3.74]  |
| <a href="#">GMC-100MM</a> | 60.00<br>[2.36] | 41.00<br>[1.61] | 20.00<br>[0.78] | 25.00<br>[0.98] | 21.00<br>[0.82] | 62.00<br>[2.44] | 115.00<br>[4.52] |

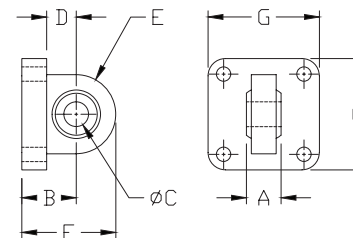
## Spherical Rear Pivot



Part no. [GSMC-32MM](#)

### Dimensions

mm [inches]



Note: Supplied with 4 screws, 4 washers

**Spherical Male Clevis Dimension Table**

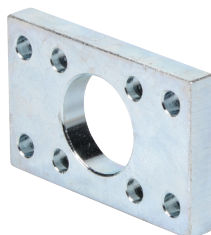
| Part #                     | A               | B               | C               | D               | E               | F               | G                |
|----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| <a href="#">GSMC-32MM</a>  | 14.00<br>[0.55] | 22.00<br>[0.86] | 10.00<br>[0.39] | 12.00<br>[0.47] | 16.00<br>[0.62] | 38.00<br>[1.49] | 45.00<br>[1.77]  |
| <a href="#">GSMC-40MM</a>  | 16.00<br>[0.62] | 25.00<br>[0.98] | 12.00<br>[0.47] | 15.00<br>[0.59] | 19.00<br>[0.74] | 44.00<br>[1.73] | 52.00<br>[2.04]  |
| <a href="#">GSMC-50MM</a>  | 16.00<br>[0.62] | 27.00<br>[1.06] | 12.00<br>[0.47] | 15.00<br>[0.59] | 19.00<br>[0.74] | 46.00<br>[1.81] | 65.00<br>[2.55]  |
| <a href="#">GSMC-63MM</a>  | 21.00<br>[0.82] | 32.00<br>[1.25] | 16.00<br>[0.62] | 20.00<br>[0.78] | 24.00<br>[0.94] | 56.00<br>[2.20] | 75.00<br>[2.95]  |
| <a href="#">GSMC-80MM</a>  | 21.00<br>[0.82] | 36.00<br>[1.41] | 16.00<br>[0.62] | 20.00<br>[0.78] | 24.00<br>[0.94] | 60.00<br>[2.36] | 95.00<br>[3.74]  |
| <a href="#">GSMC-100MM</a> | 25.00<br>[0.98] | 41.00<br>[1.61] | 20.00<br>[0.78] | 25.00<br>[0.98] | 30.00<br>[1.18] | 71.00<br>[2.79] | 115.00<br>[4.52] |

See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.



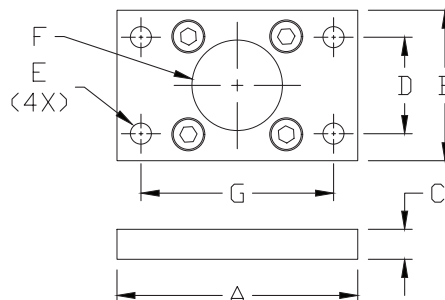
# G-Series ISO Pneumatic Cylinders – Accessories

## Front or Rear Flange

Part no. [GFL-32MM](#)

### Dimensions

mm [inches]



Note: Supplied with 4 screws

### Front or Rear Flange Dimension Table

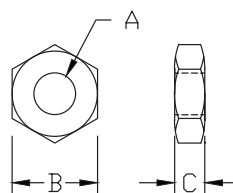
| Part #                    | A                | B                | C               | D               | E               | F                | G                |
|---------------------------|------------------|------------------|-----------------|-----------------|-----------------|------------------|------------------|
| <a href="#">GFL-32MM</a>  | 80.00<br>[3.14]  | 50.00<br>[1.96]  | 10.00<br>[0.39] | 32.00<br>[1.25] | 7.00<br>[1.25]  | 32.00<br>[1.25]  | 64.00<br>[2.52]  |
| <a href="#">GFL-40MM</a>  | 90.00<br>[3.54]  | 55.00<br>[2.16]  | 10.00<br>[0.39] | 36.00<br>[1.41] | 9.00<br>[0.35]  | 40.00<br>[1.57]  | 72.00<br>[2.83]  |
| <a href="#">GFL-50MM</a>  | 110.00<br>[4.33] | 65.00<br>[2.55]  | 12.00<br>[0.47] | 45.00<br>[1.77] | 9.00<br>[0.35]  | 50.00<br>[1.96]  | 90.00<br>[3.54]  |
| <a href="#">GFL-63MM</a>  | 120.00<br>[4.72] | 75.00<br>[2.95]  | 12.00<br>[0.47] | 50.00<br>[1.96] | 9.00<br>[0.35]  | 63.00<br>[2.48]  | 100.00<br>[3.93] |
| <a href="#">GFL-80MM</a>  | 153.00<br>[6.02] | 95.00<br>[3.74]  | 16.00<br>[0.62] | 63.00<br>[2.48] | 12.00<br>[0.47] | 80.00<br>[3.14]  | 126.00<br>[4.96] |
| <a href="#">GFL-100MM</a> | 178.00<br>[7.00] | 115.00<br>[4.52] | 16.00<br>[0.62] | 75.00<br>[2.95] | 14.00<br>[0.55] | 100.00<br>[3.93] | 150.00<br>[5.90] |

## Rod Nut

Part no. [GN-M20-15](#)

### Dimensions

mm [inches]



### Rod Nut Dimension Table

| Part #                     | A        | B               | C              |
|----------------------------|----------|-----------------|----------------|
| <a href="#">GN-M10-125</a> | M10x1.25 | 17.00<br>[0.66] | 6.00<br>[0.23] |
| <a href="#">GN-M12-125</a> | M12x1.25 | 19.00<br>[0.74] | 7.00<br>[0.27] |
| <a href="#">GN-M16-15</a>  | M16x1.5  | 24.00<br>[0.94] | 8.00<br>[0.31] |
| <a href="#">GN-M20-15</a>  | M20x1.5  | 30.00<br>[1.18] | 9.00<br>[0.35] |

See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.



# CPS Series Cylinder Position Switches

## Position Switch Cross Reference Chart

| NITRA Switch Type   | Cylinder Brand (may fit some of these cylinders)                                       | Photo Example | Groove Illustration |  |
|---------------------|----------------------------------------------------------------------------------------|---------------|---------------------|--|
| <b>CPS<br/>CPSF</b> | NITRA A-Series<br>NITRA D-Series<br>NITRA F-Series                                     |               |                     |  |
| <b>CPS9C</b>        | DE-STA-CO<br>Robohand<br>SMC<br>Compact Air<br>Bimba<br>Fabco                          |               |                     |  |
| <b>CPS9D</b>        | NITRA L-Series<br>Fabco<br>Numatics<br>Rotomation                                      |               |                     |  |
| <b>CPS9E</b>        | NITRA L-Series<br>Fabco<br>Numatics<br>Rotomation                                      |               |                     |  |
| <b>CPS9F</b>        | NITRA G-Series<br>Fabco<br>Festo<br>Numatics<br>Rotomation                             |               |                     |  |
| <b>CPS9H</b>        | NITRA E-Series<br>NITRA H-Series                                                       |               |                     |  |
| <b>CPS9M</b>        | Norgren                                                                                |               |                     |  |
| <b>CPS9Q</b>        | NITRA L-Series<br>NITRA G-Series<br>Parker<br>Fabco<br>Festo<br>Numatics<br>Rotomation |               |                     |  |